



## 11130 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

Cycle: 16, Proposal Category: SNAP

(Survey)

(Availability Mode: SUPPORTED)

### INVESTIGATORS

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|-------------------------------------|-------------------------------------------|-----------------------------|
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### VISITS

| <i>Visit</i> | <i>Targets used in Visit</i> | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 01           | (1) SDSSJ000111.15-100155.5  | WFPC2                               | 1                  | 11-Nov-2008 21:04:27.0        | yes                           |
| 02           | (2) SDSSJ000308.47+154842.3  | WFPC2                               | 1                  | 11-Nov-2008 21:04:31.0        | yes                           |
| 03           | (3) SDSSJ002228.36-005830.6  | WFPC2                               | 1                  | 11-Nov-2008 21:04:33.0        | yes                           |
| 04           | (4) SDSSJ002452.53-103819.6  | WFPC2                               | 1                  | 11-Nov-2008 21:04:36.0        | yes                           |
| 05           | (5) SDSSJ022756.28+005733.0  | WFPC2                               | 1                  | 11-Nov-2008 21:04:38.0        | yes                           |
| 06           | (6) SDSSJ010600.56+152441.9  | WFPC2                               | 1                  | 11-Nov-2008 21:04:40.0        | yes                           |
| 07           | (7) SDSSJ011749.81-100114.5  | WFPC2                               | 1                  | 11-Nov-2008 21:04:42.0        | yes                           |
| 08           | (8) SDSSJ012055.92-084945.4  | WFPC2                               | 1                  | 11-Nov-2008 21:04:44.0        | yes                           |

| <b>Visit</b> | <b>Targets used in Visit</b> | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 09           | (9) SDSSJ014816.21+125018.0  | WFPC2                               | 1                  | 11-Nov-2008 21:04:46.0        | yes                           |
| 5F           | (9) SDSSJ014816.21+125018.0  | WFPC2                               | 1                  | 11-Nov-2008 21:04:48.0        | yes                           |
| 10           | (10) SDSSJ015804.75-005221.8 | WFPC2                               | 1                  | 11-Nov-2008 21:04:50.0        | yes                           |
| 11           | (11) SDSSJ022849.51-090153.7 | WFPC2                               | 1                  | 11-Nov-2008 21:04:53.0        | yes                           |
| 12           | (12) SDSSJ024009.10+010334.5 | WFPC2                               | 1                  | 11-Nov-2008 21:04:55.0        | yes                           |
| 13           | (13) SDSSJ024402.24-091540.9 | WFPC2                               | 1                  | 11-Nov-2008 21:04:58.0        | yes                           |
| 14           | (14) SDSSJ034745.41+005737.2 | WFPC2                               | 1                  | 11-Nov-2008 21:05:00.0        | yes                           |
| 15           | (15) SDSSJ073106.86+392644.6 | WFPC2                               | 1                  | 11-Nov-2008 21:05:02.0        | yes                           |
| 5L           | (15) SDSSJ073106.86+392644.6 | WFPC2                               | 1                  | 11-Nov-2008 21:05:03.0        | yes                           |
| 16           | (16) SDSSJ073505.65+423545.6 | WFPC2                               | 1                  | 11-Nov-2008 21:05:05.0        | yes                           |
| 17           | (17) SDSSJ074825.27+405217.8 | WFPC2                               | 1                  | 11-Nov-2008 21:05:07.0        | yes                           |
| 5M           | (17) SDSSJ074825.27+405217.8 | WFPC2                               | 1                  | 11-Nov-2008 21:05:09.0        | yes                           |
| 18           | (18) SDSSJ074831.91+464455.4 | WFPC2                               | 1                  | 11-Nov-2008 21:05:10.0        | yes                           |
| 19           | (19) SDSSJ075038.12+315737.0 | WFPC2                               | 1                  | 11-Nov-2008 21:05:12.0        | yes                           |
| 20           | (20) SDSSJ080629.80+241955.6 | WFPC2                               | 1                  | 11-Nov-2008 21:05:14.0        | yes                           |
| 21           | (21) SDSSJ080907.58+441641.4 | WFPC2                               | 1                  | 11-Nov-2008 21:05:15.0        | yes                           |
| 22           | (22) SDSSJ081550.23+250640.9 | WFPC2                               | 1                  | 11-Nov-2008 21:05:17.0        | yes                           |
| 23           | (23) SDSSJ081856.37+454908.2 | WFPC2                               | 1                  | 11-Nov-2008 21:05:19.0        | yes                           |
| 24           | (24) SDSSJ082106.95+404836.5 | WFPC2                               | 1                  | 11-Nov-2008 21:05:21.0        | yes                           |
| 5G           | (24) SDSSJ082106.95+404836.5 | WFPC2                               | 1                  | 11-Nov-2008 21:05:22.0        | yes                           |
| 25           | (25) SDSSJ082355.36+244830.4 | WFPC2                               | 1                  | 11-Nov-2008 21:05:24.0        | yes                           |
| 26           | (26) SDSSJ082422.21+072550.4 | WFPC2                               | 1                  | 11-Nov-2008 21:05:26.0        | yes                           |

| <b>Visit</b> | <b>Targets used in Visit</b> | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 27           | (27) SDSSJ082443.28+295923.5 | WFPC2                               | 1                  | 11-Nov-2008 21:05:27.0        | yes                           |
| 28           | (28) SDSSJ082737.40+272917.2 | WFPC2                               | 1                  | 11-Nov-2008 21:05:29.0        | yes                           |
| 29           | (29) SDSSJ083211.57+502408.4 | WFPC2                               | 1                  | 11-Nov-2008 21:05:31.0        | yes                           |
| 5N           | (29) SDSSJ083211.57+502408.4 | WFPC2                               | 1                  | 11-Nov-2008 21:05:32.0        | yes                           |
| 30           | (30) SDSSJ083346.04+062026.6 | WFPC2                               | 1                  | 11-Nov-2008 21:05:34.0        | yes                           |
| 31           | (31) SDSSJ083928.45+082102.3 | WFPC2                               | 1                  | 11-Nov-2008 21:05:36.0        | yes                           |
| 32           | (32) SDSSJ084011.27+075915.7 | WFPC2                               | 1                  | 11-Nov-2008 21:05:37.0        | yes                           |
| 33           | (33) SDSSJ084739.61+360444.4 | WFPC2                               | 1                  | 11-Nov-2008 21:05:39.0        | yes                           |
| 34           | (34) SDSSJ084822.19+373551.5 | WFPC2                               | 1                  | 11-Nov-2008 21:05:41.0        | yes                           |
| 5H           | (34) SDSSJ084822.19+373551.5 | WFPC2                               | 1                  | 11-Nov-2008 21:05:42.0        | yes                           |
| 35           | (35) SDSSJ085152.62+522832.9 | WFPC2                               | 1                  | 11-Nov-2008 21:05:44.0        | yes                           |
| 36           | (36) SDSSJ085432.19+080800.0 | WFPC2                               | 1                  | 11-Nov-2008 21:05:45.0        | yes                           |
| 37           | (37) SDSSJ090320.97+045738.0 | WFPC2                               | 1                  | 11-Nov-2008 21:05:47.0        | yes                           |
| 38           | (38) SDSSJ090337.81+463952.0 | WFPC2                               | 1                  | 11-Nov-2008 21:05:49.0        | yes                           |
| 39           | (39) SDSSJ090431.21+075330.8 | WFPC2                               | 1                  | 11-Nov-2008 21:05:50.0        | yes                           |
| 40           | (40) SDSSJ090731.05+445428.5 | WFPC2                               | 1                  | 11-Nov-2008 21:05:52.0        | yes                           |
| 41           | (41) SDSSJ091449.05+085321.1 | WFPC2                               | 1                  | 11-Nov-2008 21:05:53.0        | yes                           |
| 42           | (42) SDSSJ091624.82+383433.5 | WFPC2                               | 1                  | 11-Nov-2008 21:05:55.0        | yes                           |
| 43           | (43) SDSSJ091826.53+080128.1 | WFPC2                               | 1                  | 11-Nov-2008 21:05:56.0        | yes                           |
| 44           | (44) SDSSJ091853.56+363739.6 | WFPC2                               | 1                  | 11-Nov-2008 21:05:59.0        | yes                           |
| 45           | (45) SDSSJ092438.88+560746.9 | WFPC2                               | 1                  | 11-Nov-2008 21:06:01.0        | yes                           |
| 46           | (46) SDSSJ092547.32+050231.6 | WFPC2                               | 1                  | 11-Nov-2008 21:06:02.0        | yes                           |

| <b>Visit</b> | <b>Targets used in Visit</b> | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 47           | (47) SDSSJ092700.53+084329.4 | WFPC2                               | 1                  | 11-Nov-2008 21:06:04.0        | yes                           |
| 48           | (48) SDSSJ093147.25+063503.2 | WFPC2                               | 1                  | 11-Nov-2008 21:06:05.0        | yes                           |
| 49           | (49) SDSSJ093308.88+534748.9 | WFPC2                               | 1                  | 11-Nov-2008 21:06:07.0        | yes                           |
| 50           | (50) SDSSJ093829.38+034826.6 | WFPC2                               | 1                  | 11-Nov-2008 21:06:08.0        | yes                           |
| 51           | (51) SDSSJ094057.19+032401.2 | WFPC2                               | 1                  | 11-Nov-2008 21:06:10.0        | yes                           |
| 52           | (52) SDSSJ094240.92+480017.3 | WFPC2                               | 1                  | 11-Nov-2008 21:06:12.0        | yes                           |
| 5I           | (52) SDSSJ094240.92+480017.3 | WFPC2                               | 1                  | 11-Nov-2008 21:06:13.0        | yes                           |
| 53           | (53) SDSSJ094258.55+083810.1 | WFPC2                               | 1                  | 11-Nov-2008 21:06:15.0        | yes                           |
| 54           | (54) SDSSJ095151.82+060143.7 | WFPC2                               | 1                  | 11-Nov-2008 21:06:16.0        | yes                           |
| 55           | (55) SDSSJ095330.53+562653.4 | WFPC2                               | 1                  | 11-Nov-2008 21:06:18.0        | yes                           |
| 5J           | (55) SDSSJ095330.53+562653.4 | WFPC2                               | 1                  | 11-Nov-2008 21:06:19.0        | yes                           |
| 56           | (56) SDSSJ100617.51+365703.1 | WFPC2                               | 1                  | 11-Nov-2008 21:06:21.0        | yes                           |
| 57           | (57) SDSSJ101246.59+061604.7 | WFPC2                               | 1                  | 11-Nov-2008 21:06:22.0        | yes                           |
| 58           | (58) SDSSJ101748.42+405116.4 | WFPC2                               | 1                  | 11-Nov-2008 21:06:24.0        | yes                           |
| 59           | (59) SDSSJ101807.59+011244.9 | WFPC2                               | 1                  | 11-Nov-2008 21:06:25.0        | yes                           |
| 60           | (60) SDSSJ102212.60+383742.7 | WFPC2                               | 1                  | 11-Nov-2008 21:06:27.0        | yes                           |
| 61           | (61) SDSSJ102348.44+040553.7 | WFPC2                               | 1                  | 11-Nov-2008 21:06:28.0        | yes                           |
| 62           | (62) SDSSJ102957.76+431430.8 | WFPC2                               | 1                  | 11-Nov-2008 21:06:30.0        | yes                           |
| 63           | (63) SDSSJ103247.19+114521.1 | WFPC2                               | 1                  | 11-Nov-2008 21:06:31.0        | yes                           |
| 64           | (64) SDSSJ103344.04+635317.2 | WFPC2                               | 1                  | 11-Nov-2008 21:06:33.0        | yes                           |
| 65           | (65) SDSSJ103518.74+073406.2 | WFPC2                               | 1                  | 11-Nov-2008 21:06:34.0        | yes                           |
| 66           | (66) SDSSJ103618.78+051958.1 | WFPC2                               | 1                  | 11-Nov-2008 21:06:36.0        | yes                           |

Proposal 11130 (STScI Edit Number: 5, Created: Tuesday, November 11, 2008 9:10:56 PM EST) - Overview

| <b>Visit</b> | <b>Targets used in Visit</b> | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 67           | (67) SDSSJ103932.19+135550.2 | WFPC2                               | 1                  | 11-Nov-2008 21:06:37.0        | yes                           |
| 68           | (68) SDSSJ030417.78+002827.3 | WFPC2                               | 1                  | 11-Nov-2008 21:06:39.0        | yes                           |
| 69           | (69) SDSSJ104330.05+512128.9 | WFPC2                               | 1                  | 11-Nov-2008 21:06:41.0        | yes                           |
| 70           | (70) SDSSJ105108.81+605957.2 | WFPC2                               | 1                  | 11-Nov-2008 21:06:42.0        | yes                           |
| 71           | (71) SDSSJ105131.91+504223.1 | WFPC2                               | 1                  | 11-Nov-2008 21:06:44.0        | yes                           |
| 72           | (72) SDSSJ105755.66+482502.0 | WFPC2                               | 1                  | 11-Nov-2008 21:06:45.0        | yes                           |
| 73           | (73) SDSSJ110258.73+463811.4 | WFPC2                               | 1                  | 11-Nov-2008 21:06:47.0        | yes                           |
| 74           | (74) SDSSJ110501.97+594103.6 | WFPC2                               | 1                  | 11-Nov-2008 21:06:48.0        | yes                           |
| 75           | (75) SDSSJ110540.46+035309.0 | WFPC2                               | 1                  | 11-Nov-2008 21:06:50.0        | yes                           |
| 76           | (76) SDSSJ111031.61+022043.2 | WFPC2                               | 1                  | 11-Nov-2008 21:06:51.0        | yes                           |
| 77           | (77) SDSSJ111139.94+405816.5 | WFPC2                               | 1                  | 11-Nov-2008 21:06:53.0        | yes                           |
| 78           | (78) SDSSJ111443.65+525834.2 | WFPC2                               | 1                  | 11-Nov-2008 21:06:54.0        | yes                           |
| 79           | (79) SDSSJ111644.65+402635.5 | WFPC2                               | 1                  | 11-Nov-2008 21:06:57.0        | yes                           |
| 5P           | (79) SDSSJ111644.65+402635.5 | WFPC2                               | 1                  | 11-Nov-2008 21:06:58.0        | yes                           |
| 80           | (80) SDSSJ111749.17+044315.5 | WFPC2                               | 1                  | 11-Nov-2008 21:07:00.0        | yes                           |
| 81           | (81) SDSSJ095438.78+403204.2 | WFPC2                               | 1                  | 11-Nov-2008 21:07:02.0        | yes                           |
| 82           | (82) SDSSJ112309.16+433134.8 | WFPC2                               | 1                  | 11-Nov-2008 21:07:03.0        | yes                           |
| 83           | (83) SDSSJ112526.51+022039.0 | WFPC2                               | 1                  | 11-Nov-2008 21:07:05.0        | yes                           |
| 84           | (84) SDSSJ112613.03+105102.8 | WFPC2                               | 1                  | 11-Nov-2008 21:07:06.0        | yes                           |
| 85           | (85) SDSSJ112713.22+462530.5 | WFPC2                               | 1                  | 11-Nov-2008 21:07:08.0        | yes                           |
| 86           | (86) SDSSJ113243.58+102032.9 | WFPC2                               | 1                  | 11-Nov-2008 21:07:09.0        | yes                           |
| 87           | (87) SDSSJ113545.55+644005.2 | WFPC2                               | 1                  | 11-Nov-2008 21:07:11.0        | yes                           |

| <b>Visit</b> | <b>Targets used in Visit</b>  | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|-------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 88           | (88) SDSSJ113638.38+424552.9  | WFPC2                               | 1                  | 11-Nov-2008 21:07:12.0        | yes                           |
| 89           | (89) SDSSJ113657.68+411318.5  | WFPC2                               | 1                  | 11-Nov-2008 21:07:14.0        | yes                           |
| 90           | (90) SDSSJ114339.49-024316.3  | WFPC2                               | 1                  | 11-Nov-2008 21:07:15.0        | yes                           |
| 91           | (91) SDSSJ114343.76+550019.3  | WFPC2                               | 1                  | 11-Nov-2008 21:07:17.0        | yes                           |
| 92           | (92) SDSSJ114633.98+100244.9  | WFPC2                               | 1                  | 11-Nov-2008 21:07:18.0        | yes                           |
| 93           | (93) SDSSJ114851.61+514528.7  | WFPC2                               | 1                  | 11-Nov-2008 21:07:20.0        | yes                           |
| 94           | (94) SDSSJ115138.10+561331.9  | WFPC2                               | 1                  | 11-Nov-2008 21:07:21.0        | yes                           |
| 95           | (95) SDSSJ115341.57+525600.0  | WFPC2                               | 1                  | 11-Nov-2008 21:07:23.0        | yes                           |
| 96           | (96) SDSSJ115341.77+461242.2  | WFPC2                               | 1                  | 11-Nov-2008 21:07:24.0        | yes                           |
| 97           | (97) SDSSJ115601.13+564923.3  | WFPC2                               | 1                  | 11-Nov-2008 21:07:26.0        | yes                           |
| 98           | (98) SDSSJ110721.88+124810.3  | WFPC2                               | 1                  | 11-Nov-2008 21:07:27.0        | yes                           |
| 99           | (99) SDSSJ121629.13+601823.5  | WFPC2                               | 1                  | 11-Nov-2008 21:07:29.0        | yes                           |
| 0A           | (100) SDSSJ121803.05+501728.2 | WFPC2                               | 1                  | 11-Nov-2008 21:07:30.0        | yes                           |
| 0B           | (101) SDSSJ121839.40+470627.6 | WFPC2                               | 1                  | 11-Nov-2008 21:07:32.0        | yes                           |
| 0C           | (102) SDSSJ122342.81+581446.1 | WFPC2                               | 1                  | 11-Nov-2008 21:07:33.0        | yes                           |
| 0D           | (103) SDSSJ122711.67+630646.8 | WFPC2                               | 1                  | 11-Nov-2008 21:07:34.0        | yes                           |
| 0E           | (104) SDSSJ123152.81+001033.6 | WFPC2                               | 1                  | 11-Nov-2008 21:07:36.0        | yes                           |
| 0F           | (105) SDSSJ123349.91+634957.1 | WFPC2                               | 1                  | 11-Nov-2008 21:07:37.0        | yes                           |
| 0G           | (106) SDSSJ124221.62+575304.0 | WFPC2                               | 1                  | 11-Nov-2008 21:07:39.0        | yes                           |
| 5K           | (106) SDSSJ124221.62+575304.0 | WFPC2                               | 1                  | 11-Nov-2008 21:07:40.0        | yes                           |
| 0H           | (107) SDSSJ125122.17+472451.7 | WFPC2                               | 1                  | 11-Nov-2008 21:07:42.0        | yes                           |
| 0I           | (108) SDSSJ125359.62+462750.1 | WFPC2                               | 1                  | 11-Nov-2008 21:07:43.0        | yes                           |

Proposal 11130 (STScI Edit Number: 5, Created: Tuesday, November 11, 2008 9:10:56 PM EST) - Overview

| <b>Visit</b> | <b>Targets used in Visit</b>  | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|-------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 0J           | (109) SDSSJ130716.99+450645.2 | WFPC2                               | 1                  | 11-Nov-2008 21:07:45.0        | yes                           |
| 0K           | (110) SDSSJ130803.88+505226.7 | WFPC2                               | 1                  | 11-Nov-2008 21:07:46.0        | yes                           |
| 0L           | (111) SDSSJ131303.46+633235.2 | WFPC2                               | 1                  | 11-Nov-2008 21:07:48.0        | yes                           |
| 0M           | (112) SDSSJ131310.12+051942.1 | WFPC2                               | 1                  | 11-Nov-2008 21:07:49.0        | yes                           |
| 0N           | (113) SDSSJ131537.07+151955.3 | WFPC2                               | 1                  | 11-Nov-2008 21:07:51.0        | yes                           |
| 0O           | (114) SDSSJ131651.29+055646.9 | WFPC2                               | 1                  | 11-Nov-2008 21:07:52.0        | yes                           |
| 0P           | (115) SDSSJ131659.37+035319.8 | WFPC2                               | 1                  | 11-Nov-2008 21:07:53.0        | yes                           |
| 0Q           | (116) SDSSJ131715.12+484630.2 | WFPC2                               | 1                  | 11-Nov-2008 21:07:55.0        | yes                           |
| 0R           | (117) SDSSJ131926.52+105610.9 | WFPC2                               | 1                  | 11-Nov-2008 21:07:57.0        | yes                           |
| 0S           | (118) SDSSJ132224.40+422643.3 | WFPC2                               | 1                  | 11-Nov-2008 21:07:58.0        | yes                           |
| 0T           | (119) SDSSJ132428.24+044629.6 | WFPC2                               | 1                  | 11-Nov-2008 21:07:59.0        | yes                           |
| 0U           | (120) SDSSJ132504.63+542942.4 | WFPC2                               | 1                  | 11-Nov-2008 21:08:02.0        | yes                           |
| 0V           | (121) SDSSJ133921.95+544527.7 | WFPC2                               | 1                  | 11-Nov-2008 21:08:03.0        | yes                           |
| 0W           | (122) SDSSJ133928.49+403229.8 | WFPC2                               | 1                  | 11-Nov-2008 21:08:05.0        | yes                           |
| 0X           | (123) SDSSJ134144.51-005832.9 | WFPC2                               | 1                  | 11-Nov-2008 21:08:06.0        | yes                           |
| 0Y           | (124) SDSSJ134738.23+474301.9 | WFPC2                               | 1                  | 11-Nov-2008 21:08:08.0        | yes                           |
| 0Z           | (125) SDSSJ135724.52+652505.8 | WFPC2                               | 1                  | 11-Nov-2008 21:08:09.0        | yes                           |
| 1A           | (126) SDSSJ140702.43+135537.7 | WFPC2                               | 1                  | 11-Nov-2008 21:08:11.0        | yes                           |
| 1B           | (127) SDSSJ140724.24+464143.5 | WFPC2                               | 1                  | 11-Nov-2008 21:08:12.0        | yes                           |
| 1C           | (128) SDSSJ140829.26+562823.5 | WFPC2                               | 1                  | 11-Nov-2008 21:08:13.0        | yes                           |
| 1D           | (129) SDSSJ140837.47+643128.6 | WFPC2                               | 1                  | 11-Nov-2008 21:08:15.0        | yes                           |
| 1E           | (130) SDSSJ141635.20+552853.6 | WFPC2                               | 1                  | 11-Nov-2008 21:08:16.0        | yes                           |

Proposal 11130 (STScI Edit Number: 5, Created: Tuesday, November 11, 2008 9:10:56 PM EST) - Overview

| <b>Visit</b> | <b>Targets used in Visit</b>  | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|-------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 1F           | (131) SDSSJ142119.12+631300.2 | WFPC2                               | 1                  | 11-Nov-2008 21:08:18.0        | yes                           |
| 1G           | (132) SDSSJ142543.20+344952.9 | WFPC2                               | 1                  | 11-Nov-2008 21:08:19.0        | yes                           |
| 1H           | (133) SDSSJ143010.83+572202.0 | WFPC2                               | 1                  | 11-Nov-2008 21:08:21.0        | yes                           |
| 1I           | (134) SDSSJ143310.54+525830.5 | WFPC2                               | 1                  | 11-Nov-2008 21:08:22.0        | yes                           |
| 1J           | (135) SDSSJ124916.88-013252.1 | WFPC2                               | 1                  | 11-Nov-2008 21:08:24.0        | yes                           |
| 1K           | (136) SDSSJ143552.31+341345.5 | WFPC2                               | 1                  | 11-Nov-2008 21:08:25.0        | yes                           |
| 1L           | (137) SDSSJ143713.54+545818.6 | WFPC2                               | 1                  | 11-Nov-2008 21:08:26.0        | yes                           |
| 1M           | (138) SDSSJ144052.60-023506.2 | WFPC2                               | 1                  | 11-Nov-2008 21:08:28.0        | yes                           |
| 1N           | (139) SDSSJ144249.70+611137.7 | WFPC2                               | 1                  | 11-Nov-2008 21:08:29.0        | yes                           |
| 1O           | (140) SDSSJ134249.26+482723.6 | WFPC2                               | 1                  | 11-Nov-2008 21:08:31.0        | yes                           |
| 1P           | (141) SDSSJ145045.54-014752.8 | WFPC2                               | 1                  | 11-Nov-2008 21:08:32.0        | yes                           |
| 1Q           | (142) SDSSJ150648.85+341306.7 | WFPC2                               | 1                  | 11-Nov-2008 21:08:34.0        | yes                           |
| 1R           | (143) SDSSJ152325.78+395902.3 | WFPC2                               | 1                  | 11-Nov-2008 21:08:35.0        | yes                           |
| 1S           | (144) SDSSJ153425.59+040806.7 | WFPC2                               | 1                  | 11-Nov-2008 21:08:37.0        | yes                           |
| 1T           | (145) SDSSJ153656.44+312248.1 | WFPC2                               | 1                  | 11-Nov-2008 21:08:38.0        | yes                           |
| 1U           | (146) SDSSJ154150.85+310037.2 | WFPC2                               | 1                  | 11-Nov-2008 21:08:40.0        | yes                           |
| 1V           | (147) SDSSJ154257.49+030653.2 | WFPC2                               | 1                  | 11-Nov-2008 21:08:41.0        | yes                           |
| 1W           | (148) SDSSJ154623.62+475122.2 | WFPC2                               | 1                  | 11-Nov-2008 21:08:43.0        | yes                           |
| 1X           | (149) SDSSJ154639.94+442930.0 | WFPC2                               | 1                  | 11-Nov-2008 21:08:44.0        | yes                           |
| 1Y           | (150) SDSSJ155005.95+091035.7 | WFPC2                               | 1                  | 11-Nov-2008 21:08:45.0        | yes                           |
| 1Z           | (151) SDSSJ155711.96+390928.8 | WFPC2                               | 1                  | 11-Nov-2008 21:08:47.0        | yes                           |
| 2A           | (152) SDSSJ155909.62+350147.4 | WFPC2                               | 1                  | 11-Nov-2008 21:08:48.0        | yes                           |



| <b>Visit</b> | <b>Targets used in Visit</b>  | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|-------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 2B           | (153) SDSSJ160044.99+505213.5 | WFPC2                               | 1                  | 11-Nov-2008 21:08:50.0        | yes                           |
| 2C           | (154) SDSSJ160656.03+371917.8 | WFPC2                               | 1                  | 11-Nov-2008 21:08:51.0        | yes                           |
| 2D           | (155) SDSSJ161227.84+010159.7 | WFPC2                               | 1                  | 11-Nov-2008 21:08:53.0        | yes                           |
| 2E           | (156) SDSSJ161751.98-001957.4 | WFPC2                               | 1                  | 11-Nov-2008 21:08:54.0        | yes                           |
| 2F           | (157) SDSSJ162147.74+343619.1 | WFPC2                               | 1                  | 11-Nov-2008 21:08:56.0        | yes                           |
| 2G           | (158) SDSSJ162403.63-005410.3 | WFPC2                               | 1                  | 11-Nov-2008 21:08:58.0        | yes                           |
| 2H           | (159) SDSSJ162542.15-004330.2 | WFPC2                               | 1                  | 11-Nov-2008 21:08:59.0        | yes                           |
| 2I           | (160) SDSSJ162636.40+350242.0 | WFPC2                               | 1                  | 11-Nov-2008 21:09:00.0        | yes                           |
| 2J           | (161) SDSSJ163006.36+451637.5 | WFPC2                               | 1                  | 11-Nov-2008 21:09:02.0        | yes                           |
| 2K           | (162) SDSSJ163159.59+243740.2 | WFPC2                               | 1                  | 11-Nov-2008 21:09:04.0        | yes                           |
| 2L           | (163) SDSSJ163228.88-002843.8 | WFPC2                               | 1                  | 11-Nov-2008 21:09:06.0        | yes                           |
| 2M           | (164) SDSSJ165636.98+371439.5 | WFPC2                               | 1                  | 11-Nov-2008 21:09:07.0        | yes                           |
| 2N           | (165) SDSSJ170812.29+601512.6 | WFPC2                               | 1                  | 11-Nov-2008 21:09:09.0        | yes                           |
| 2O           | (166) SDSSJ205822.14-065004.3 | WFPC2                               | 1                  | 11-Nov-2008 21:09:10.0        | yes                           |
| 2P           | (167) SDSSJ212429.10+010621.6 | WFPC2                               | 1                  | 11-Nov-2008 21:09:11.0        | yes                           |
| 2Q           | (168) SDSSJ214745.20+004943.5 | WFPC2                               | 1                  | 11-Nov-2008 21:09:13.0        | yes                           |
| 2R           | (169) SDSSJ220757.44-001005.4 | WFPC2                               | 1                  | 11-Nov-2008 21:09:14.0        | yes                           |
| 2S           | (170) SDSSJ221139.16-010535.0 | WFPC2                               | 1                  | 11-Nov-2008 21:09:16.0        | yes                           |
| 2T           | (171) SDSSJ223811.33+143343.4 | WFPC2                               | 1                  | 11-Nov-2008 21:09:17.0        | yes                           |
| 2U           | (172) SDSSJ225630.07+141020.7 | WFPC2                               | 1                  | 11-Nov-2008 21:09:19.0        | yes                           |
| 2V           | (173) SDSSJ234807.14-091202.6 | WFPC2                               | 1                  | 11-Nov-2008 21:09:20.0        | yes                           |
| 5O           | (173) SDSSJ234807.14-091202.6 | WFPC2                               | 1                  | 11-Nov-2008 21:09:22.0        | yes                           |

| <b>Visit</b> | <b>Targets used in Visit</b>  | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|-------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 2W           | (174) SDSSJ213728.62-083823.3 | WFPC2                               | 1                  | 11-Nov-2008 21:09:23.0        | yes                           |
| 2X           | (175) SDSSJ235835.22+002006.3 | WFPC2                               | 1                  | 11-Nov-2008 21:09:25.0        | yes                           |
| 2Y           | (176) SDSSJ073438.23+284434.7 | WFPC2                               | 1                  | 11-Nov-2008 21:09:26.0        | yes                           |
| 2Z           | (177) SDSSJ073925.54+450055.4 | WFPC2                               | 1                  | 11-Nov-2008 21:09:27.0        | yes                           |
| 3A           | (178) SDSSJ080649.47+390609.8 | WFPC2                               | 1                  | 11-Nov-2008 21:09:29.0        | yes                           |
| 3B           | (179) SDSSJ081145.30+232825.7 | WFPC2                               | 1                  | 11-Nov-2008 21:09:30.0        | yes                           |
| 3C           | (180) SDSSJ081549.08+254701.4 | WFPC2                               | 1                  | 11-Nov-2008 21:09:32.0        | yes                           |
| 3D           | (181) SDSSJ084204.94+403934.4 | WFPC2                               | 1                  | 11-Nov-2008 21:09:33.0        | yes                           |
| 3E           | (182) SDSSJ084234.50+031930.6 | WFPC2                               | 1                  | 11-Nov-2008 21:09:35.0        | yes                           |
| 3F           | (183) SDSSJ085125.81+393541.8 | WFPC2                               | 1                  | 11-Nov-2008 21:09:36.0        | yes                           |
| 3G           | (184) SDSSJ090244.66+311626.0 | WFPC2                               | 1                  | 11-Nov-2008 21:09:37.0        | yes                           |
| 3H           | (185) SDSSJ091936.27+384519.1 | WFPC2                               | 1                  | 11-Nov-2008 21:09:39.0        | yes                           |
| 3I           | (186) SDSSJ093226.81+420516.9 | WFPC2                               | 1                  | 11-Nov-2008 21:09:40.0        | yes                           |
| 3J           | (187) SDSSJ093239.47+511542.6 | WFPC2                               | 1                  | 11-Nov-2008 21:09:42.0        | yes                           |
| 3K           | (188) SDSSJ094321.54+385457.6 | WFPC2                               | 1                  | 11-Nov-2008 21:09:43.0        | yes                           |
| 3L           | (189) SDSSJ094422.04+472735.3 | WFPC2                               | 1                  | 11-Nov-2008 21:09:45.0        | yes                           |
| 3M           | (190) SDSSJ094451.01+123044.0 | WFPC2                               | 1                  | 11-Nov-2008 21:09:46.0        | yes                           |
| 3N           | (191) SDSSJ094705.72+050159.9 | WFPC2                               | 1                  | 11-Nov-2008 21:09:48.0        | yes                           |
| 3O           | (192) SDSSJ102252.20+464220.8 | WFPC2                               | 1                  | 11-Nov-2008 21:09:49.0        | yes                           |
| 3P           | (193) SDSSJ103529.26+461140.3 | WFPC2                               | 2                  | 11-Nov-2008 21:09:51.0        | yes                           |
| 3Q           | (194) SDSSJ110629.00+445103.4 | WFPC2                               | 1                  | 11-Nov-2008 21:09:52.0        | yes                           |
| 3R           | (195) SDSSJ110912.39+612346.7 | WFPC2                               | 1                  | 11-Nov-2008 21:09:54.0        | yes                           |

| <b>Visit</b> | <b>Targets used in Visit</b>  | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|-------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 3S           | (196) SDSSJ115812.53+575322.0 | WFPC2                               | 1                  | 11-Nov-2008 21:09:55.0        | yes                           |
| 3T           | (197) SDSSJ011905.14+003745.0 | WFPC2                               | 1                  | 11-Nov-2008 21:09:56.0        | yes                           |
| 3U           | (198) SDSSJ024825.26-002541.4 | WFPC2                               | 1                  | 11-Nov-2008 21:09:58.0        | yes                           |
| 3V           | (199) SDSSJ002145.79+003327.1 | WFPC2                               | 1                  | 11-Nov-2008 21:09:59.0        | yes                           |
| 3W           | (200) SDSSJ000605.59-092007.0 | WFPC2                               | 1                  | 11-Nov-2008 21:10:01.0        | yes                           |
| 3X           | (201) SDSSJ003552.26+011249.4 | WFPC2                               | 1                  | 11-Nov-2008 21:10:02.0        | yes                           |
| 3Y           | (202) SDSSJ023310.79-074813.3 | WFPC2                               | 1                  | 11-Nov-2008 21:10:04.0        | yes                           |
| 3Z           | (203) SDSSJ030258.11+004824.7 | WFPC2                               | 1                  | 11-Nov-2008 21:10:06.0        | yes                           |
| 4A           | (204) SDSSJ032515.59+003408.4 | WFPC2                               | 1                  | 11-Nov-2008 21:10:07.0        | yes                           |
| 4B           | (205) SDSSJ074836.80+182154.2 | WFPC2                               | 1                  | 11-Nov-2008 21:10:09.0        | yes                           |
| 4C           | (206) SDSSJ080223.56+484637.0 | WFPC2                               | 1                  | 11-Nov-2008 21:10:10.0        | yes                           |
| 4D           | (207) SDSSJ080352.98+263123.3 | WFPC2                               | 1                  | 11-Nov-2008 21:10:12.0        | yes                           |
| 4E           | (208) SDSSJ081825.15+472950.3 | WFPC2                               | 1                  | 11-Nov-2008 21:10:13.0        | yes                           |
| 4F           | (209) SDSSJ082036.81+470706.4 | WFPC2                               | 1                  | 11-Nov-2008 21:10:15.0        | yes                           |
| 4G           | (210) SDSSJ082325.91+065106.4 | WFPC2                               | 1                  | 11-Nov-2008 21:10:16.0        | yes                           |
| 4H           | (211) SDSSJ083019.66+084725.1 | WFPC2                               | 1                  | 11-Nov-2008 21:10:18.0        | yes                           |
| 4I           | (212) SDSSJ083803.67+540642.2 | WFPC2                               | 1                  | 11-Nov-2008 21:10:19.0        | yes                           |
| 4J           | (213) SDSSJ084013.23+412357.0 | WFPC2                               | 1                  | 11-Nov-2008 21:10:21.0        | yes                           |
| 4K           | (214) SDSSJ090031.76+432709.0 | WFPC2                               | 1                  | 11-Nov-2008 21:10:22.0        | yes                           |
| 4L           | (215) SDSSJ091032.80+040832.4 | WFPC2                               | 1                  | 11-Nov-2008 21:10:23.0        | yes                           |
| 4M           | (216) SDSSJ091102.33+550022.9 | WFPC2                               | 1                  | 11-Nov-2008 21:10:25.0        | yes                           |
| 4N           | (217) SDSSJ095306.81+365028.0 | WFPC2                               | 1                  | 11-Nov-2008 21:10:26.0        | yes                           |

| <i>Visit</i> | <i>Targets used in Visit</i>  | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|-------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 4O           | (218) SDSSJ102124.87+012720.3 | WFPC2                               | 1                  | 11-Nov-2008 21:10:28.0        | yes                           |
| 4P           | (219) SDSSJ104842.45+413302.3 | WFPC2                               | 1                  | 11-Nov-2008 21:10:29.0        | yes                           |
| 4Q           | (220) SDSSJ105424.29+454130.5 | WFPC2                               | 1                  | 11-Nov-2008 21:10:31.0        | yes                           |
| 4R           | (221) SDSSJ111547.46+502405.6 | WFPC2                               | 1                  | 11-Nov-2008 21:10:32.0        | yes                           |
| 4S           | (222) SDSSJ112333.56+671109.9 | WFPC2                               | 1                  | 11-Nov-2008 21:10:34.0        | yes                           |
| 4T           | (223) SDSSJ112637.74+513423.0 | WFPC2                               | 1                  | 11-Nov-2008 21:10:35.0        | yes                           |
| 4U           | (224) SDSSJ114713.49+473258.1 | WFPC2                               | 1                  | 11-Nov-2008 21:10:36.0        | yes                           |
| 4V           | (225) SDSSJ125801.84+522507.8 | WFPC2                               | 1                  | 11-Nov-2008 21:10:38.0        | yes                           |
| 4W           | (226) SDSSJ001728.84-001826.7 | WFPC2                               | 1                  | 11-Nov-2008 21:10:39.0        | yes                           |
| 4X           | (227) SDSSJ032707.32-075639.3 | WFPC2                               | 1                  | 11-Nov-2008 21:10:41.0        | yes                           |
| 4Y           | (228) SDSSJ074423.44+243046.3 | WFPC2                               | 1                  | 11-Nov-2008 21:10:42.0        | yes                           |
| 4Z           | (229) SDSSJ074810.36+454003.1 | WFPC2                               | 1                  | 11-Nov-2008 21:10:44.0        | yes                           |
| 5A           | (230) SDSSJ082347.95+060636.2 | WFPC2                               | 1                  | 11-Nov-2008 21:10:45.0        | yes                           |
| 5B           | (231) SDSSJ084303.59+361011.1 | WFPC2                               | 1                  | 11-Nov-2008 21:10:47.0        | yes                           |
| 5C           | (232) SDSSJ102703.90+485023.9 | WFPC2                               | 1                  | 11-Nov-2008 21:10:48.0        | yes                           |
| 5D           | (233) SDSSJ112718.75+585025.0 | WFPC2                               | 1                  | 11-Nov-2008 21:10:49.0        | yes                           |
| 5E           | (234) SDSSJ112202.23+534253.5 | WFPC2                               | 1                  | 11-Nov-2008 21:10:51.0        | yes                           |

246 Total Orbits Used

## ABSTRACT

The recent progress in the study of central black holes in galactic nuclei has led to a general consensus that supermassive ( $10^6$ - $10^9$  solar mass) black holes are closely connected with the formation and evolutionary history of large galaxies, especially their bulge component. Two outstanding

issues, however, remain unresolved. Can central black holes form in the absence of a bulge? And does the mass function of central black holes extend below  $10^6$  solar masses? Intermediate-mass black holes ( $<10^6$  solar masses), if they exist, may offer important clues to the nature of the seeds of supermassive black holes. Using the SDSS, our group has successfully uncovered a new population of AGNs with intermediate-mass black holes that reside in low-luminosity galaxies. However, very little is known about the detailed morphologies or structural parameters of the host galaxies themselves, including the crucial question of whether they have bulges or not. Surprisingly, the majority of the targets of our Cycle 14 pilot program have structural properties similar to dwarf elliptical galaxies. The statistics from this initial study, however, are really too sparse to reach definitive conclusions on this important new class of black holes. We wish to extend this study to a larger sample, by using the Snapshot mode to obtain WFPC2 F814W images from a parent sample of 175 AGNs with intermediate-mass black holes selected from our final SDSS search. We are particularly keen to determine whether the hosts contain bulges, and if so, how the fundamental plane properties of the host depend on the mass of their central black holes. We will also investigate the environment of this unique class of AGNs.

#### **OBSERVING DESCRIPTION**

We are observing 175 targets in Snapshot mode. Each target will be observed with the PC1 chip on WFPC2 using the F814W filter. For maximum efficiency in schedulability, we are allocating a total of 35 minutes per target, which provides sufficient depth to achieve our science goals. After accounting for overheads, there are 1320 seconds left for science exposure. We will obtain a single short (30-sec) exposure to acquire an unsaturated image of the AGN core, followed by two dithered 600-sec exposures, using the WFPC2-LINE dither pattern with an integer-pixel shift.

#### **REAL TIME JUSTIFICATION**

N/A

#### **CALIBRATION JUSTIFICATION**

N/A

#### **ADDITIONAL COMMENTS**

N/A

# Proposal 11130 - Visit 01 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Visit           | Proposal 11130, Visit 01, scheduling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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|                 | Diagnostic Status: No Diagnostics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|                 | Scientific Instruments: WFPC2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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|                 | Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing= |                             |                                                                                   |  |  |  |                          |  |                            |                              | Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |  |                 |  |                             |  |       |  |  |  |           |  |  |  |  |  |  |  |  |  | (2) |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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Coord. Corrections |  |                            |                              | Fluxes                                                                                                |  |                 |  | Miscellaneous               |  |       |  |  |  |           |  |  |  |  |  |  |  |  |  |     |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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Params.               |                              | Special Reqs.                                                                                         |  | Groups          |  | Exp. Time/[Actual Dur.]     |  | Orbit |  |  |  |           |  |  |  |  |  |  |  |  |  |     |
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| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div><div><div><div>GS Acq</div><div>Exp. 1</div><div>Exp. 2</div><div>Pointing Maneuver</div><div>Exp. 2</div><div>Overhead</div><div>Unused Visibility = 922</div><div>Occultation</div></div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></d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|                                                                                                         |                             |                                                                                   |  |  |  |                          |  |                            |                              |                                                                                                       |  |                 |  |                             |  |       |  |  |  |           |  |  |  |  |  |  |  |  |  |     |

# Proposal 11130 - Visit 02 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                 |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 02, completed <span style="float: right;">Wed Nov 12 02:11:00 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                 |                          |               |                            |               |                       |                                                                           |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                 |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                   | Primary Pattern                                                                                                                                                                                                          |                                                                                 |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                 | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                 |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                   | Name                                                                                                                                                                                                                     | Target Coordinates                                                              | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (2)                                                                                                 | SDSSJ000308.47+154842.3                                                                                                                                                                                                  | RA: 00 03 8.4700 (.7852917d)<br>Dec: +15 48 42.30 (15.81175d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.21         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                   | Label                                                                                                                                                                                                                    | Target                                                                          | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                   | short                                                                                                                                                                                                                    | (2) SDSSJ000308.47 +154842.3                                                    | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                   | long                                                                                                                                                                                                                     | (2) SDSSJ000308.47 +154842.3                                                    | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                 |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | Orbit 1 <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                 |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                 |                          |               |                            |               |                       |                                                                           |           |



# Proposal 11130 - Visit 03 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                  |                          |               |                    |               |                       |                                                            |           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 03, completed <span style="float: right;">Wed Nov 12 02:11:01 GMT 2008</span>                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                  |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                            |                                                                                                                                                                                                                          |                                                                                  |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                    | Primary Pattern                                                                                                                                                                                                          |                                                                                  |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                  | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                  |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                    | Name                                                                                                                                                                                                                     | Target Coordinates                                                               | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (3)                                                                                                                                                                                                                                  | SDSSJ002228.36-005830.6                                                                                                                                                                                                  | RA: 00 22 28.3600 (5.6181667d)<br>Dec: -00 58 30.60 (-.97517d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.36 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                    | Label                                                                                                                                                                                                                    | Target                                                                           | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                    | short                                                                                                                                                                                                                    | (3) SDSSJ002228.36-005830.6                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                  |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                    | long                                                                                                                                                                                                                     | (3) SDSSJ002228.36-005830.6                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                  |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |               |                    |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Overhead      Unused Visibility = 917      Occultation</p> <p>Timeline (seconds): 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500</p> |                                                                                                                                                                                                                          |                                                                                  |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 04 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                                                      |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 04, completed</b> <span style="float: right;">Wed Nov 12 02:11:01 GMT 2008</span> |                                                                                                                                                                                                                                                      |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                                                      |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                                                      |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER                  Pattern Orientation=45.0<br>Number Of Points=2              Angle Between Sides=<br>Point Spacing=0.704              Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                                                 | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (4)                                                                                                        | SDSSJ002452.53-103819.6                                                                                                                                                                                                                              | RA: 00 24 52.5300 (6.2188750d)<br>Dec: -10 38 19.60 (-10.63878d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.45         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                                                | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                                                | (4) SDSSJ002452.53-103819.6                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                                                 | (4) SDSSJ002452.53-103819.6                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                                                      |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                                                      |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                                                      |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 05 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 05, withdrawn <span style="float: right;">Wed Nov 12 02:11:01 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                  |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                  |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                               | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (5)                                                                                                       | SDSSJ022756.28+005733.0                                                                                                                                                                                                  | RA: 02 27 56.2800 (36.9845000d)<br>Dec: +00 57 33.00 (.95917d)<br>Equinox: J2000 |                          |               | V=(?)<br>i = 18.8310       |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                           | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (5) SDSSJ022756.28 +005733.0                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (5) SDSSJ022756.28 +005733.0                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 06 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                   |                      |                          |                            |                    |                 |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|--------------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 06, scheduling <span style="float: right;">Wed Nov 12 02:11:02 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                              |                                                                                                                                                                                                                          |                                                                                   |                      |                          |                            |                    |                 |                                                                           |           |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                   |                      |                          |                            |                    |                 |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                      |                          | Secondary Pattern          |                    |                 |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                      |                          |                            |                    |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                |                      | Targ. Coord. Corrections |                            | Fluxes             |                 | Miscellaneous                                                             |           |
|                 | (6)                                                                                                                                                                                                                                                            | SDSSJ010600.56+152441.9                                                                                                                                                                                                  | RA: 01 06 0.5600 (16.5023333d)<br>Dec: +15 24 41.90 (15.41164d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g = 19.38 |                 | Reference Frame: ICRS                                                     |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (6) SDSSJ010600.56 +152441.9                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    |                 | 30.0 Secs<br>[==>]                                                        |           |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (6) SDSSJ010600.56 +152441.9                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                   |                      |                          |                            |                    |                 |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                   |                      |                          |                            |                    |                 |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 929      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                   |                      |                          |                            |                    |                 |                                                                           |           |

# Proposal 11130 - Visit 07 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 07, completed <span style="float: right;">Wed Nov 12 02:11:02 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                   | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                 | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                   | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (7)                                                                                                 | SDSSJ011749.81-100114.5                                                                                                                                                                                                  | RA: 01 17 49.8100 (19.4575417d)<br>Dec: -10 01 14.50 (-10.02069d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.25 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                   | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                   | short                                                                                                                                                                                                                    | (7) SDSSJ011749.81-100114.5                                                         | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                   | long                                                                                                                                                                                                                     | (7) SDSSJ011749.81-100114.5                                                         | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | Orbit 1 <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 08 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 08, completed <span style="float: right;">Wed Nov 12 02:11:02 GMT 2008</span>                                                                                                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                               | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                             | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                               | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (8)                                                                                                                                                                                                                                                                                                                             | SDSSJ012055.92-084945.4                                                                                                                                                                                                  | RA: 01 20 55.9200 (20.2330000d)<br>Dec: -08 49 45.40 (-8.82928d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.92 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                               | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                               | short                                                                                                                                                                                                                    | (8) SDSSJ012055.92-084945.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                               | long                                                                                                                                                                                                                     | (8) SDSSJ012055.92-084945.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <p>Timeline details:</p> <ul style="list-style-type: none"> <li>0s: GS Acq</li> <li>~300s: Exp. 1</li> <li>~600s: Exp. 2</li> <li>~1200s: Overhead</li> <li>~1300s: Pointing Maneuver</li> <li>~1400s: Exp. 2</li> <li>~2200s: Overhead</li> <li>~2200s - 3100s: Unused Visibility = 917</li> <li>3100s: Occultation</li> </ul> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 09 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 09, failed <span style="float: right;">Wed Nov 12 02:11:03 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                      |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (9)                                                                                                                                                                                                                                                | SDSSJ014816.21+125018.0                                                                                                                                                                                                  | RA: 01 48 16.2100 (27.0675417d)<br>Dec: +12 50 18.00 (12.83833d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.91         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                  | short                                                                                                                                                                                                                    | (9) SDSSJ014816.21 +125018.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                  | long                                                                                                                                                                                                                     | (9) SDSSJ014816.21 +125018.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 922      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 5F - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                  |                         |                              |                                                                                    |  |  |                           |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------|------------------------------------------------------------------------------------|--|--|---------------------------|--------------------------|----------------------------|--|------------------------------|--------------------|-----------------|--|------------------------------------------------------------|-----------------------|-------|--|--|--|--|-----------|--|
| Visit           | Proposal 11130, Visit 5F, scheduling                                                                                                                                                                                                                                                                                                             |                         |                              |                                                                                    |  |  |                           |                          |                            |  | Wed Nov 12 02:11:03 GMT 2008 |                    |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|                 | Diagnostic Status: No Diagnostics                                                                                                                                                                                                                                                                                                                |                         |                              |                                                                                    |  |  |                           |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|                 | Scientific Instruments: WFPC2                                                                                                                                                                                                                                                                                                                    |                         |                              |                                                                                    |  |  |                           |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|                 | Special Requirements: (none)                                                                                                                                                                                                                                                                                                                     |                         |                              |                                                                                    |  |  |                           |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |  |           |  |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                | Primary Pattern         |                              |                                                                                    |  |  |                           |                          |                            |  |                              | Secondary Pattern  |                 |  |                                                            |                       |       |  |  |  |  | Exposures |  |
|                 | (1)                                                                                                                                                                                                                                                                                                                                              | Pattern Type=WFPC2-LINE |                              |                                                                                    |  |  | Coordinate Frame=POS-TARG |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |  | (2)       |  |
|                 |                                                                                                                                                                                                                                                                                                                                                  | Purpose=DITHER          |                              |                                                                                    |  |  | Pattern Orientation=45.0  |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|                 |                                                                                                                                                                                                                                                                                                                                                  | Number Of Points=2      |                              |                                                                                    |  |  | Angle Between Sides=      |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|                 |                                                                                                                                                                                                                                                                                                                                                  | Point Spacing=0.704     |                              |                                                                                    |  |  | Center Pattern=false      |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|                 |                                                                                                                                                                                                                                                                                                                                                  | Line Spacing=           |                              |                                                                                    |  |  |                           |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |  |           |  |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                | Name                    |                              | Target Coordinates                                                                 |  |  |                           | Targ. Coord. Corrections |                            |  |                              | Fluxes             |                 |  |                                                            | Miscellaneous         |       |  |  |  |  |           |  |
|                 | (9)                                                                                                                                                                                                                                                                                                                                              | SDSSJ014816.21+125018.0 |                              | RA: 01 48 16.2100 (27.0675417d)<br>Dec: +12 50 18.00 (12.83833d)<br>Equinox: J2000 |  |  |                           |                          |                            |  |                              | V=(?)<br>g = 19.91 |                 |  |                                                            | Reference Frame: ICRS |       |  |  |  |  |           |  |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                | Label                   | Target                       | Config,Mode,Aperture                                                               |  |  | Spectral Els.             |                          | Opt. Params.               |  | Special Reqs.                |                    | Groups          |  | Exp. Time/[Actual Dur.]                                    |                       | Orbit |  |  |  |  |           |  |
|                 | 1                                                                                                                                                                                                                                                                                                                                                | short                   | (9) SDSSJ014816.21 +125018.0 | WFPC2, IMAGE, PC1                                                                  |  |  | F814W                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                    |                 |  | 30.0 Secs                                                  |                       |       |  |  |  |  |           |  |
|                 |                                                                                                                                                                                                                                                                                                                                                  |                         |                              |                                                                                    |  |  |                           |                          |                            |  |                              |                    |                 |  | [==>]                                                      |                       | [1]   |  |  |  |  |           |  |
|                 | 2                                                                                                                                                                                                                                                                                                                                                | long                    | (9) SDSSJ014816.21 +125018.0 | WFPC2, IMAGE, PC1                                                                  |  |  | F814W                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                    | Pattern 2-2 (1) |  | 1200.0 Secs                                                |                       |       |  |  |  |  |           |  |
|                 |                                                                                                                                                                                                                                                                                                                                                  |                         |                              |                                                                                    |  |  |                           |                          |                            |  |                              |                    |                 |  | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |                       | [1]   |  |  |  |  |           |  |
| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div><p>Timeline details:</p><ul style="list-style-type: none"><li>0s: GS Acq</li><li>~400s: Exp. 1</li><li>~600s: Exp. 2</li><li>~1300s: Pointing Maneuver</li><li>~1500s: Exp. 2</li><li>~2200s: Overhead</li><li>~2200s - 3100s: Unused Visibility = 922</li><li>3100s: Occultation</li></ul></div> |                         |                              |                                                                                    |  |  |                           |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |  |           |  |



# Proposal 11130 - Visit 10 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 10, completed <span style="float: right;">Wed Nov 12 02:11:03 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                  |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                  |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                  |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                  |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                               | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (10)                                                                                                      | SDSSJ015804.75-005221.8                                                                                                                                                                                                  | RA: 01 58 4.7500 (29.5197917d)<br>Dec: -00 52 21.80 (-.87272d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.66 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                           | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (10) SDSSJ015804.75-005221.8                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (10) SDSSJ015804.75-005221.8                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                  |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 11 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 11, completed <span style="float: right;">Wed Nov 12 02:11:04 GMT 2008</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                     | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                   | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                     | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (11)                                                                                                                                                                                                                                                                                                  | SDSSJ022849.51-090153.7                                                                                                                                                                                                  | RA: 02 28 49.5100 (37.2062917d)<br>Dec: -09 01 53.70 (-9.03158d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.19 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                     | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                     | short                                                                                                                                                                                                                    | (11) SDSSJ022849.51-090153.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                     | long                                                                                                                                                                                                                     | (11) SDSSJ022849.51-090153.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <p>Timeline details:</p> <ul style="list-style-type: none"> <li>0s: GS Acq</li> <li>~400s: Exp. 1</li> <li>~600s: Exp. 2</li> <li>~1200s: Pointing Maneuver</li> <li>~1400s: Exp. 2</li> <li>~2200s: Overhead</li> <li>~2200s - 3100s: Unused Visibility = 917</li> <li>3100s: Occultation</li> </ul> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 12 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                  |                          |                    |                       |               |                 |                                                            |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------|--------------------|-----------------------|---------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 12, completed <span style="float: right;">Wed Nov 12 02:11:04 GMT 2008</span>                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                  |                          |                    |                       |               |                 |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                  |                          |                    |                       |               |                 |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                  |                          |                    | Secondary Pattern     |               |                 |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                  |                          |                    |                       |               |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                               | Targ. Coord. Corrections | Fluxes             | Miscellaneous         |               |                 |                                                            |           |
|                 | (12)                                                                                                                                                                                                                                                           | SDSSJ024009.10+010334.5                                                                                                                                                                                                  | RA: 02 40 9.1000 (40.0379167d)<br>Dec: +01 03 34.50 (1.05958d)<br>Equinox: J2000 |                          | V=(?)<br>g = 20.52 | Reference Frame: ICRS |               |                 |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                           | Config,Mode,Aperture     | Spectral Els.      | Opt. Params.          | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (12) SDSSJ024009.10+010334.5                                                     | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                  |                          |                    | CR-SPLIT=NO           |               |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (12) SDSSJ024009.10+010334.5                                                     | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                  |                          |                    | CR-SPLIT=NO           |               |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                  |                          |                    |                       |               |                 |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                  |                          |                    |                       |               |                 |                                                            |           |

# Proposal 11130 - Visit 13 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
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| Visit           | Proposal 11130, Visit 13, scheduling <span style="float: right;">Wed Nov 12 02:11:05 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (13)                                                                                                                                                                                                              | SDSSJ024402.24-091540.9                                                                                                                                                                                                  | RA: 02 44 2.2400 (41.0093333d)<br>Dec: -09 15 40.90 (-9.26136d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.38 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (13) SDSSJ024402.24-091540.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (13) SDSSJ024402.24-091540.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 14 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 14, completed <span style="float: right;">Wed Nov 12 02:11:05 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                  |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                  |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                               | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (14)                                                                                                      | SDSSJ034745.41+005737.2                                                                                                                                                                                                  | RA: 03 47 45.4100 (56.9392083d)<br>Dec: +00 57 37.20 (.96033d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.74         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                           | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (14) SDSSJ034745.41+005737.2                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (14) SDSSJ034745.41+005737.2                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 15 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                       |               |                 |                                                            |           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|--------------------|-----------------------|---------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 15, failed <span style="float: right;">Wed Nov 12 02:11:05 GMT 2008</span>                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                       |               |                 |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                       |               |                 |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                    | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |                    | Secondary Pattern     |               |                 |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                  | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |                    |                       |               |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                    | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes             | Miscellaneous         |               |                 |                                                            |           |
|                 | (15)                                                                                                                                                                                                                                 | SDSSJ073106.86+392644.6                                                                                                                                                                                                  | RA: 07 31 6.8600 (112.7785833d)<br>Dec: +39 26 44.60 (39.44572d)<br>Equinox: J2000 |                          | V=(?)<br>g = 16.02 | Reference Frame: ICRS |               |                 |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                    | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els.      | Opt. Params.          | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                    | short                                                                                                                                                                                                                    | (15) SDSSJ073106.86+392644.6                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                    |                          |                    | CR-SPLIT=NO           |               |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                    | long                                                                                                                                                                                                                     | (15) SDSSJ073106.86+392644.6                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                    |                          |                    | CR-SPLIT=NO           |               |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                       |               |                 |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Overhead      Unused Visibility = 944      Occultation</p> <p>Timeline (seconds): 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500</p> |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                       |               |                 |                                                            |           |

# Proposal 11130 - Visit 5L - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
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| Visit           | Proposal 11130, Visit 5L, scheduling <span style="float: right;">Wed Nov 12 02:11:06 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (15)                                                                                                                                                                                                                                                           | SDSSJ073106.86+392644.6                                                                                                                                                                                                  | RA: 07 31 6.8600 (112.7785833d)<br>Dec: +39 26 44.60 (39.44572d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.02         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (15) SDSSJ073106.86+392644.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (15) SDSSJ073106.86+392644.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 944      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 16 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
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| Visit           | <b>Proposal 11130, Visit 16, completed</b> <span style="float: right;">Wed Nov 12 02:11:06 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (16)                                                                                                       | SDSSJ073505.65+423545.6                                                                                                                                                                                                  | RA: 07 35 5.6500 (113.7735417d)<br>Dec: +42 35 45.60 (42.59600d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.22         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                    | (16) SDSSJ073505.65+423545.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                     | (16) SDSSJ073505.65+423545.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |



# Proposal 11130 - Visit 17 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 17, failed <span style="float: right;">Wed Nov 12 02:11:06 GMT 2008</span>          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (17)                                                                                                      | SDSSJ074825.27+405217.8                                                                                                                                                                                                  | RA: 07 48 25.2700 (117.1052917d)<br>Dec: +40 52 17.80 (40.87161d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.93 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (17) SDSSJ074825.27+405217.8                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (17) SDSSJ074825.27+405217.8                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 5M - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 5M, scheduling <span style="float: right;">Wed Nov 12 02:11:07 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (17)                                                                                                                                                                                                              | SDSSJ074825.27+405217.8                                                                                                                                                                                                  | RA: 07 48 25.2700 (117.1052917d)<br>Dec: +40 52 17.80 (40.87161d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.93 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (17) SDSSJ074825.27+405217.8                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (17) SDSSJ074825.27+405217.8                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 18 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 18, completed <span style="float: right;">Wed Nov 12 02:11:07 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (18)                                                                                                      | SDSSJ074831.91+464455.4                                                                                                                                                                                                  | RA: 07 48 31.9100 (117.1329583d)<br>Dec: +46 44 55.40 (46.74872d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.39 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (18) SDSSJ074831.91+464455.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (18) SDSSJ074831.91+464455.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 19 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 19, completed <span style="float: right;">Wed Nov 12 02:11:07 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (19)                                                                                                      | SDSSJ075038.12+315737.0                                                                                                                                                                                                  | RA: 07 50 38.1200 (117.6588333d)<br>Dec: +31 57 37.00 (31.96028d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.49         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (19) SDSSJ075038.12+315737.0                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (19) SDSSJ075038.12+315737.0                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 20 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 20, completed <span style="float: right;">Wed Nov 12 02:11:07 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (20)                                                                                                      | SDSSJ080629.80+241955.6                                                                                                                                                                                                  | RA: 08 06 29.8000 (121.6241667d)<br>Dec: +24 19 55.60 (24.33211d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.24 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (20) SDSSJ080629.80+241955.6                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (20) SDSSJ080629.80+241955.6                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 21 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 21, completed <span style="float: right;">Wed Nov 12 02:11:08 GMT 2008</span>                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (21)                                                                                                                                                                                                                                                           | SDSSJ080907.58+441641.4                                                                                                                                                                                                  | RA: 08 09 7.5800 (122.2815833d)<br>Dec: +44 16 41.40 (44.27817d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.60         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (21) SDSSJ080907.58+441641.4                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (21) SDSSJ080907.58+441641.4                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Exp. 2      Unused Visibility = 954      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 22 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                            |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 22, completed <span style="float: right;">Wed Nov 12 02:11:08 GMT 2008</span>                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                            |           |
|                 | (22)                                                                                                                                                                                                                                               | SDSSJ081550.23+250640.9                                                                                                                                                                                                  | RA: 08 15 50.2300 (123.9592917d)<br>Dec: +25 06 40.90 (25.11136d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.79         |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                  | short                                                                                                                                                                                                                    | (22) SDSSJ081550.23+250640.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                  | long                                                                                                                                                                                                                     | (22) SDSSJ081550.23+250640.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 934      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                            |           |

# Proposal 11130 - Visit 23 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                       |               |                 |                                                            |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|--------------------|-----------------------|---------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 23, completed <span style="float: right;">Wed Nov 12 02:11:08 GMT 2008</span>                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                       |               |                 |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                       |               |                 |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |                    | Secondary Pattern     |               |                 |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |                    |                       |               |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes             | Miscellaneous         |               |                 |                                                            |           |
|                 | (23)                                                                                                                                                                                                                                                                                                                                                                                      | SDSSJ081856.37+454908.2                                                                                                                                                                                                  | RA: 08 18 56.3700 (124.7348750d)<br>Dec: +45 49 8.20 (45.81894d)<br>Equinox: J2000 |                          | V=(?)<br>g = 19.40 | Reference Frame: ICRS |               |                 |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els.      | Opt. Params.          | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                         | short                                                                                                                                                                                                                    | (23) SDSSJ081856.37+454908.2                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                    | CR-SPLIT=NO           |               |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                         | long                                                                                                                                                                                                                     | (23) SDSSJ081856.37+454908.2                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                    | CR-SPLIT=NO           |               |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                       |               |                 |                                                            |           |
|                 | <p>Timeline details:</p> <ul style="list-style-type: none"> <li>0 to ~100s: GS Acq</li> <li>~100 to ~300s: Exp. 1</li> <li>~300 to ~600s: Exp. 2</li> <li>~600 to ~1200s: Observation segment</li> <li>~1200 to ~1400s: Exp. 2</li> <li>~1400 to ~2200s: Observation segment</li> <li>~2200 to ~3200s: Overhead (Unused Visibility = 96%)</li> <li>~3200 to 5500s: Occultation</li> </ul> |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                       |               |                 |                                                            |           |



# Proposal 11130 - Visit 24 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 24, failed <span style="float: right;">Wed Nov 12 02:11:08 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                             | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                           | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                             | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (24)                                                                                                                                                                                                          | SDSSJ082106.95+404836.5                                                                                                                                                                                                  | RA: 08 21 6.9500 (125.2789583d)<br>Dec: +40 48 36.50 (40.81014d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.09         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                             | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                             | short                                                                                                                                                                                                                    | (24) SDSSJ082106.95+404836.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                             | long                                                                                                                                                                                                                     | (24) SDSSJ082106.95+404836.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 5G - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 5G, scheduling <span style="float: right;">Wed Nov 12 02:11:08 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (24)                                                                                                                                                                                                              | SDSSJ082106.95+404836.5                                                                                                                                                                                                  | RA: 08 21 6.9500 (125.2789583d)<br>Dec: +40 48 36.50 (40.81014d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.09         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (24) SDSSJ082106.95+404836.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (24) SDSSJ082106.95+404836.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 25 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 25, scheduling <span style="float: right;">Wed Nov 12 02:11:09 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (25)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SDSSJ082355.36+244830.4                                                                                                                                                                                                  | RA: 08 23 55.3600 (125.9806667d)<br>Dec: +24 48 30.40 (24.80844d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.80 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | short                                                                                                                                                                                                                    | (25) SDSSJ082355.36+244830.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | long                                                                                                                                                                                                                     | (25) SDSSJ082355.36+244830.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <p>The diagram illustrates the timeline of Orbit 1, showing the sequence of events and their durations. The timeline is marked from 0 to 5500 seconds. Key events include:</p> <ul style="list-style-type: none"> <li>GS Acq: Ground Station Acquisition at the start of the orbit.</li> <li>Exp. 1: First exposure, occurring shortly after GS Acq.</li> <li>Exp. 2: Second exposure, occurring after Exp. 1.</li> <li>Pointing Maneuver: A period where the telescope is repositioned.</li> <li>Overhead: Periods of time when the telescope is not observing the target.</li> <li>Unused Visibility = 932: A period of time where the target is visible but not observed.</li> <li>Occultation: A period where the target is obscured by the Earth's limb.</li> </ul> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 26 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 26, completed <span style="float: right;">Wed Nov 12 02:11:09 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (26)                                                                                                      | SDSSJ082422.21+072550.4                                                                                                                                                                                                  | RA: 08 24 22.2100 (126.0925417d)<br>Dec: +07 25 50.40 (7.43067d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.80         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (26) SDSSJ082422.21+072550.4                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (26) SDSSJ082422.21+072550.4                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 27 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 27, completed</b> <span style="float: right;">Wed Nov 12 02:11:09 GMT 2008</span>                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (27)                                                                                                                                                                                                                                                                                       | SDSSJ082443.28+295923.5                                                                                                                                                                                                  | RA: 08 24 43.2800 (126.1803333d)<br>Dec: +29 59 23.50 (29.98986d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 15.89         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                          | short                                                                                                                                                                                                                    | (27) SDSSJ082443.28+295923.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                          | long                                                                                                                                                                                                                     | (27) SDSSJ082443.28+295923.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 934      Overhead      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 28 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 28, completed</b> <span style="float: right;">Wed Nov 12 02:11:09 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (28)                                                                                                       | SDSSJ082737.40+272917.2                                                                                                                                                                                                  | RA: 08 27 37.4000 (126.9058333d)<br>Dec: +27 29 17.20 (27.48811d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.43         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                    | (28) SDSSJ082737.40+272917.2                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                     | (28) SDSSJ082737.40+272917.2                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 29 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 29, failed <span style="float: right;">Wed Nov 12 02:11:09 GMT 2008</span>          |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (29)                                                                                                      | SDSSJ083211.57+502408.4                                                                                                                                                                                                  | RA: 08 32 11.5700 (128.0482083d)<br>Dec: +50 24 8.40 (50.40233d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.82         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (29) SDSSJ083211.57+502408.4                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (29) SDSSJ083211.57+502408.4                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 5N - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                            |                                                                                                         |                              |                                                                                    |  |  |               |                          |                            |  |                              |                                                                                                       |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------------|--|--|---------------|--------------------------|----------------------------|--|------------------------------|-------------------------------------------------------------------------------------------------------|-----------------|--|---------------------------------------------------------------------------|-----------------------|-------|--|--|--|--|-----------|--|
| Visit           | Proposal 11130, Visit 5N, scheduling                                                                                       |                                                                                                         |                              |                                                                                    |  |  |               |                          |                            |  | Wed Nov 12 02:11:09 GMT 2008 |                                                                                                       |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
|                 | Diagnostic Status: No Diagnostics                                                                                          |                                                                                                         |                              |                                                                                    |  |  |               |                          |                            |  |                              |                                                                                                       |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
|                 | Scientific Instruments: WFPC2                                                                                              |                                                                                                         |                              |                                                                                    |  |  |               |                          |                            |  |                              |                                                                                                       |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
|                 | Special Requirements: (none)                                                                                               |                                                                                                         |                              |                                                                                    |  |  |               |                          |                            |  |                              |                                                                                                       |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
| Patterns        | #                                                                                                                          | Primary Pattern                                                                                         |                              |                                                                                    |  |  |               |                          |                            |  |                              | Secondary Pattern                                                                                     |                 |  |                                                                           |                       |       |  |  |  |  | Exposures |  |
|                 | (1)                                                                                                                        | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing= |                              |                                                                                    |  |  |               |                          |                            |  |                              | Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                 |  |                                                                           |                       |       |  |  |  |  | (2)       |  |
| Fixed Targets   | #                                                                                                                          | Name                                                                                                    |                              | Target Coordinates                                                                 |  |  |               | Targ. Coord. Corrections |                            |  |                              | Fluxes                                                                                                |                 |  |                                                                           | Miscellaneous         |       |  |  |  |  |           |  |
|                 | (29)                                                                                                                       | SDSSJ083211.57+502408.4                                                                                 |                              | RA: 08 32 11.5700 (128.0482083d)<br>Dec: +50 24 8.40 (50.40233d)<br>Equinox: J2000 |  |  |               |                          |                            |  |                              | V=(?)<br>g = 19.82                                                                                    |                 |  |                                                                           | Reference Frame: ICRS |       |  |  |  |  |           |  |
| Exposures       | #                                                                                                                          | Label                                                                                                   | Target                       | Config,Mode,Aperture                                                               |  |  | Spectral Els. |                          | Opt. Params.               |  | Special Reqs.                |                                                                                                       | Groups          |  | Exp. Time/[Actual Dur.]                                                   |                       | Orbit |  |  |  |  |           |  |
|                 | 1                                                                                                                          | short                                                                                                   | (29) SDSSJ083211.57+502408.4 | WFPC2, IMAGE, PC1                                                                  |  |  | F814W         |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                                                                                                       |                 |  | 30.0 Secs<br>[==>]                                                        |                       | [1]   |  |  |  |  |           |  |
|                 | 2                                                                                                                          | long                                                                                                    | (29) SDSSJ083211.57+502408.4 | WFPC2, IMAGE, PC1                                                                  |  |  | F814W         |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                                                                                                       | Pattern 2-2 (1) |  | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |                       | [1]   |  |  |  |  |           |  |
|                 |                                                                                                                            |                                                                                                         |                              |                                                                                    |  |  |               |                          |                            |  |                              |                                                                                                       |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
| Orbit Structure | <div><div>Orbit 1</div><div>Server Version: 20080807</div><div>05001000150020002500300035004000450050005500sec</div></div> |                                                                                                         |                              |                                                                                    |  |  |               |                          |                            |  |                              |                                                                                                       |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
|                 |                                                                                                                            |                                                                                                         |                              |                                                                                    |  |  |               |                          |                            |  |                              |                                                                                                       |                 |  |                                                                           |                       |       |  |  |  |  |           |  |



# Proposal 11130 - Visit 30 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 30, completed <span style="float: right;">Wed Nov 12 02:11:10 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (30)                                                                                                      | SDSSJ083346.04+062026.6                                                                                                                                                                                                  | RA: 08 33 46.0400 (128.4418333d)<br>Dec: +06 20 26.60 (6.34072d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.01 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (30) SDSSJ083346.04+062026.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (30) SDSSJ083346.04+062026.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 31 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 31, scheduling <span style="float: right;">Wed Nov 12 02:11:10 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (31)                                                                                                                                                                                                              | SDSSJ083928.45+082102.3                                                                                                                                                                                                  | RA: 08 39 28.4500 (129.8685417d)<br>Dec: +08 21 2.30 (8.35064d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.20         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (31) SDSSJ083928.45+082102.3                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (31) SDSSJ083928.45+082102.3                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 32 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 32, scheduling <span style="float: right;">Wed Nov 12 02:11:10 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (32)                                                                                                                                                                                                                                                                         | SDSSJ084011.27+075915.7                                                                                                                                                                                                  | RA: 08 40 11.2700 (130.0469583d)<br>Dec: +07 59 15.70 (7.98769d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.30 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (32) SDSSJ084011.27+075915.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (32) SDSSJ084011.27+075915.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 33 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 33, completed <span style="float: right;">Wed Nov 12 02:11:10 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (33)                                                                                                      | SDSSJ084739.61+360444.4                                                                                                                                                                                                  | RA: 08 47 39.6100 (131.9150417d)<br>Dec: +36 04 44.40 (36.07900d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.80 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (33) SDSSJ084739.61+360444.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (33) SDSSJ084739.61+360444.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 34 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                            |               |                 |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|--------------------|----------------------------|---------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 34, failed</b> <span style="float: right;">Wed Nov 12 02:11:10 GMT 2008</span>                                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                            |               |                 |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                            |               |                 |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |                    | Secondary Pattern          |               |                 |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |                    |                            |               |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes             | Miscellaneous              |               |                 |                                                                           |           |
|                 | (34)                                                                                                                                                                                                                                                           | SDSSJ084822.19+373551.5                                                                                                                                                                                                  | RA: 08 48 22.1900 (132.0924583d)<br>Dec: +37 35 51.50 (37.59764d)<br>Equinox: J2000 |                          | V=(?)<br>g = 19.25 | Reference Frame: ICRS      |               |                 |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.      | Opt. Params.               | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (34) SDSSJ084822.19+373551.5                                                        | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (34) SDSSJ084822.19+373551.5                                                        | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                            |               |                 |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                            |               |                 |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 944      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                            |               |                 |                                                                           |           |

# Proposal 11130 - Visit 5H - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                       |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                            |           |       |
|-----------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|-------------------------------------------------------------------------------------------------------|--------------------|-----------------|------------------------------------------------------------|-----------|-------|
| Visit           | Proposal 11130, Visit 5H, scheduling                  |                                                                                                         |                                                                                     |                      |                          | Wed Nov 12 02:11:10 GMT 2008                                                                          |                    |                 |                                                            |           |       |
|                 | Diagnostic Status: No Diagnostics                     |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                            |           |       |
|                 | Scientific Instruments: WFPC2                         |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                            |           |       |
|                 | Special Requirements: (none)                          |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                            |           |       |
| Patterns        | #                                                     | Primary Pattern                                                                                         |                                                                                     |                      |                          | Secondary Pattern                                                                                     |                    |                 |                                                            | Exposures |       |
|                 | (1)                                                   | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing= |                                                                                     |                      |                          | Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                    |                 |                                                            | (2)       |       |
| Fixed Targets   | #                                                     | Name                                                                                                    | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |                                                                                                       | Fluxes             |                 | Miscellaneous                                              |           |       |
|                 | (34)                                                  | SDSSJ084822.19+373551.5                                                                                 | RA: 08 48 22.1900 (132.0924583d)<br>Dec: +37 35 51.50 (37.59764d)<br>Equinox: J2000 |                      |                          |                                                                                                       | V=(?)<br>g = 19.25 |                 | Reference Frame: ICRS                                      |           |       |
| Exposures       | #                                                     | Label                                                                                                   | Target                                                                              | Config,Mode,Aperture | Spectral Els.            | Opt. Params.                                                                                          | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]                                    |           | Orbit |
|                 | 1                                                     | short                                                                                                   | (34) SDSSJ084822.19+373551.5                                                        | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |                    |                 | 30.0 Secs                                                  |           |       |
|                 |                                                       |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 | [==>]                                                      |           | [1]   |
|                 | 2                                                     | long                                                                                                    | (34) SDSSJ084822.19+373551.5                                                        | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |                    | Pattern 2-2 (1) | 1200.0 Secs                                                |           |       |
|                 |                                                       |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |           | [1]   |
| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div></div> |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                            |           |       |

# Proposal 11130 - Visit 35 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                    |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 35, withdrawn</b> <span style="float: right;">Wed Nov 12 02:11:11 GMT 2008</span>                                                                                                                                                                   |                                                                                                                                                                                                                                                    |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                                                    |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                                                    |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER                  Pattern Orientation=45.0<br>Number Of Points=2              Angle Between Sides=<br>Point Spacing=0.704            Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                                               | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (35)                                                                                                                                                                                                                                                                         | SDSSJ085152.62+522832.9                                                                                                                                                                                                                            | RA: 08 51 52.6200 (132.9692500d)<br>Dec: +52 28 32.90 (52.47581d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.32         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                                              | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                                              | (35) SDSSJ085152.62+522832.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                                               | (35) SDSSJ085152.62+522832.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                    |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                                                    |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 985      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                                                    |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 36 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 36, scheduling <span style="float: right;">Wed Nov 12 02:11:11 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                            |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (36)                                                                                                                                                                                                                                                                         | SDSSJ085432.19+080800.0                                                                                                                                                                                                  | RA: 08 54 32.1900 (133.6341250d)<br>Dec: +08 08 0.00 (8.13333d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.50 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (36) SDSSJ085432.1 9+080800.0                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (36) SDSSJ085432.1 9+080800.0                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |



# Proposal 11130 - Visit 37 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 37, completed <span style="float: right;">Wed Nov 12 02:11:11 GMT 2008</span>                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (37)                                                                                                                                                                                                                                                           | SDSSJ090320.97+045738.0                                                                                                                                                                                                  | RA: 09 03 20.9700 (135.8373750d)<br>Dec: +04 57 38.00 (4.96056d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.70         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (37) SDSSJ090320.97+045738.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (37) SDSSJ090320.97+045738.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 38 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 38, completed <span style="float: right;">Wed Nov 12 02:11:11 GMT 2008</span>                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                      | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                    | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                      | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (38)                                                                                                                                                                                                                   | SDSSJ090337.81+463952.0                                                                                                                                                                                                  | RA: 09 03 37.8100 (135.9075417d)<br>Dec: +46 39 52.00 (46.66444d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.54         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                      | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                      | short                                                                                                                                                                                                                    | (38) SDSSJ090337.81+463952.0                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                      | long                                                                                                                                                                                                                     | (38) SDSSJ090337.81+463952.0                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 96%      Occultation</p> <p>Timeline (seconds): 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 39 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 39, completed <span style="float: right;">Wed Nov 12 02:11:11 GMT 2008</span>                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (39)                                                                                                                                                                                                                                               | SDSSJ090431.21+075330.8                                                                                                                                                                                                  | RA: 09 04 31.2100 (136.1300417d)<br>Dec: +07 53 30.80 (7.89189d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.04         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                  | short                                                                                                                                                                                                                    | (39) SDSSJ090431.21+075330.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                  | long                                                                                                                                                                                                                     | (39) SDSSJ090431.21+075330.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 40 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 40, completed <span style="float: right;">Wed Nov 12 02:11:11 GMT 2008</span><br>Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (40)                                                                                                                                                                                                      | SDSSJ090731.05+445428.5                                                                                                                                                                                                  | RA: 09 07 31.0500 (136.8793750d)<br>Dec: +44 54 28.50 (44.90792d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.65         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                         | short                                                                                                                                                                                                                    | (40) SDSSJ090731.05+445428.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                         | long                                                                                                                                                                                                                     | (40) SDSSJ090731.05+445428.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <div> <div>Orbit 1</div> <div>Server Version: 20080807</div> </div>                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 41 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 41, scheduling <span style="float: right;">Wed Nov 12 02:11:12 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (41)                                                                                                                                                                                                              | SDSSJ091449.05+085321.1                                                                                                                                                                                                  | RA: 09 14 49.0500 (138.7043750d)<br>Dec: +08 53 21.10 (8.88919d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.50         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (41) SDSSJ091449.05+085321.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (41) SDSSJ091449.05+085321.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 42 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 42, scheduling <span style="float: right;">Wed Nov 12 02:11:12 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (42)                                                                                                                                                                                                              | SDSSJ091624.82+383433.5                                                                                                                                                                                                  | RA: 09 16 24.8200 (139.1034167d)<br>Dec: +38 34 33.50 (38.57597d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.70         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (42) SDSSJ091624.82+383433.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (42) SDSSJ091624.82+383433.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 43 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 43, withdrawn <span style="float: right;">Wed Nov 12 02:11:12 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                   | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                 | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                   | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (43)                                                                                                | SDSSJ091826.53+080128.1                                                                                                                                                                                                  | RA: 09 18 26.5300 (139.6105417d)<br>Dec: +08 01 28.10 (8.02447d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.41         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                   | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                   | short                                                                                                                                                                                                                    | (43) SDSSJ091826.53+080128.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                   | long                                                                                                                                                                                                                     | (43) SDSSJ091826.53+080128.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | Orbit 1 <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 44 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 44, scheduling <span style="float: right;">Wed Nov 12 02:11:12 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (44)                                                                                                                                                                                                              | SDSSJ091853.56+363739.6                                                                                                                                                                                                  | RA: 09 18 53.5600 (139.7231667d)<br>Dec: +36 37 39.60 (36.62767d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.87         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (44) SDSSJ091853.56+363739.6                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (44) SDSSJ091853.56+363739.6                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |



# Proposal 11130 - Visit 45 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 45, completed <span style="float: right;">Wed Nov 12 02:11:12 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SDSSJ092438.88+560746.9                                                                                                                                                                                                  | RA: 09 24 38.8800 (141.1620000d)<br>Dec: +56 07 46.90 (56.12969d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 14.84         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | short                                                                                                                                                                                                                    | (45) SDSSJ092438.88+560746.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | long                                                                                                                                                                                                                     | (45) SDSSJ092438.88+560746.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>The diagram illustrates the timeline of Orbit 1, starting at 0 seconds and ending at 5500 seconds. Key events and segments are marked as follows:</p> <ul style="list-style-type: none"> <li><b>GS Acq:</b> Occurs at approximately 100 seconds.</li> <li><b>Exp. 1:</b> Occurs at approximately 400 seconds.</li> <li><b>Exp. 2:</b> Occurs at approximately 600 seconds, highlighted with a green box.</li> <li><b>Pointing Maneuver:</b> Occurs at approximately 1300 seconds.</li> <li><b>Overhead:</b> Occurs at approximately 1500 seconds, highlighted with a green box.</li> <li><b>Unused Visibility = 1007:</b> A segment of the timeline from approximately 2200 to 3200 seconds, highlighted with a green box.</li> <li><b>Occultation:</b> Occurs at approximately 3300 seconds.</li> </ul> <p>The timeline is divided into segments with different patterns: blue checkered for observation, green for overhead, and white for unused visibility.</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 46 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 46, completed <span style="float: right;">Wed Nov 12 02:11:12 GMT 2008</span>                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (46)                                                                                                                                                                                                                                                                         | SDSSJ092547.32+050231.6                                                                                                                                                                                                  | RA: 09 25 47.3200 (141.4471667d)<br>Dec: +05 02 31.60 (5.04211d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.24         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (46) SDSSJ092547.32+050231.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (46) SDSSJ092547.32+050231.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 47 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                      |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 47, completed</b> <span style="float: right;">Wed Nov 12 02:11:13 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                      |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                                                      |                                                                                   |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER                  Pattern Orientation=45.0<br>Number Of Points=2              Angle Between Sides=<br>Point Spacing=0.704              Center Pattern=false<br>Line Spacing= |                                                                                   |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                                                 | Target Coordinates                                                                | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (47)                                                                                                                                                                                                                                                                                                                                                                                                                                              | SDSSJ092700.53+084329.4                                                                                                                                                                                                                              | RA: 09 27 0.5300 (141.7522083d)<br>Dec: +08 43 29.40 (8.72483d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.49         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                                                | Target                                                                            | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                 | short                                                                                                                                                                                                                                                | (47) SDSSJ092700.53+084329.4                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                 | long                                                                                                                                                                                                                                                 | (47) SDSSJ092700.53+084329.4                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                      |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                      |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>The diagram illustrates the sequence of events for Orbit 1. It starts with a Ground Station Acquisition (GS Acq) phase, followed by two exposure periods (Exp. 1 and Exp. 2) separated by a pointing maneuver and overheads. A significant portion of the orbit (from 350 to 400 seconds) is marked as 'Unused Visibility = 917' seconds. The orbit concludes with an occultation phase. The timeline is marked in seconds from 0 to 5500.</p> |                                                                                                                                                                                                                                                      |                                                                                   |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 48 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
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| Visit           | Proposal 11130, Visit 48, scheduling <span style="float: right;">Wed Nov 12 02:11:13 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                              |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (48)                                                                                                                                                                                                                                                           | SDSSJ093147.25+063503.2                                                                                                                                                                                                  | RA: 09 31 47.2500 (142.9468750d)<br>Dec: +06 35 3.20 (6.58422d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.75         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (48) SDSSJ093147.25+063503.2                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (48) SDSSJ093147.25+063503.2                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 49 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
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| Visit           | Proposal 11130, Visit 49, completed <span style="float: right;">Wed Nov 12 02:11:13 GMT 2008</span>                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (49)                                                                                                                                                                                                                                               | SDSSJ093308.88+534748.9                                                                                                                                                                                                  | RA: 09 33 8.8800 (143.2870000d)<br>Dec: +53 47 48.90 (53.79692d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.04         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                  | short                                                                                                                                                                                                                    | (49) SDSSJ093308.88+534748.9                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                  | long                                                                                                                                                                                                                     | (49) SDSSJ093308.88+534748.9                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 985      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 50 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
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| Visit           | Proposal 11130, Visit 50, completed <span style="float: right;">Wed Nov 12 02:11:13 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                   | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                 | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                   | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (50)                                                                                                | SDSSJ093829.38+034826.6                                                                                                                                                                                                  | RA: 09 38 29.3800 (144.6224167d)<br>Dec: +03 48 26.60 (3.80739d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.74         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                   | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                   | short                                                                                                                                                                                                                    | (50) SDSSJ093829.38+034826.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                   | long                                                                                                                                                                                                                     | (50) SDSSJ093829.38+034826.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | Orbit 1 <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 51 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
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| Visit           | Proposal 11130, Visit 51, completed <span style="float: right;">Wed Nov 12 02:11:13 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (51)                                                                                                      | SDSSJ094057.19+032401.2                                                                                                                                                                                                  | RA: 09 40 57.1900 (145.2382917d)<br>Dec: +03 24 1.20 (3.40033d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.00         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (51) SDSSJ094057.19+032401.2                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (51) SDSSJ094057.19+032401.2                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 52 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 52, failed <span style="float: right;">Wed Nov 12 02:11:13 GMT 2008</span>          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (52)                                                                                                      | SDSSJ094240.92+480017.3                                                                                                                                                                                                  | RA: 09 42 40.9200 (145.6705000d)<br>Dec: +48 00 17.30 (48.00481d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.31 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (52) SDSSJ094240.92+480017.3                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (52) SDSSJ094240.92+480017.3                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |



# Proposal 11130 - Visit 5I - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                        |                                                                                                                                                                                                                  |                                                                                     |                      |  |                          |                   |                            |                    |               |                              |                       |  |                             |  |       |  |  |  |  |
|-----------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--|--------------------------|-------------------|----------------------------|--------------------|---------------|------------------------------|-----------------------|--|-----------------------------|--|-------|--|--|--|--|
| Visit           | Proposal 11130, Visit 5I, scheduling                   |                                                                                                                                                                                                                  |                                                                                     |                      |  |                          |                   |                            |                    |               | Wed Nov 12 02:11:14 GMT 2008 |                       |  |                             |  |       |  |  |  |  |
|                 | Diagnostic Status: No Diagnostics                      |                                                                                                                                                                                                                  |                                                                                     |                      |  |                          |                   |                            |                    |               |                              |                       |  |                             |  |       |  |  |  |  |
|                 | Scientific Instruments: WFPC2                          |                                                                                                                                                                                                                  |                                                                                     |                      |  |                          |                   |                            |                    |               |                              |                       |  |                             |  |       |  |  |  |  |
|                 | Special Requirements: (none)                           |                                                                                                                                                                                                                  |                                                                                     |                      |  |                          |                   |                            |                    |               |                              |                       |  |                             |  |       |  |  |  |  |
| Patterns        | #                                                      | Primary Pattern                                                                                                                                                                                                  |                                                                                     |                      |  |                          | Secondary Pattern |                            |                    |               |                              | Exposures             |  |                             |  |       |  |  |  |  |
|                 | (1)                                                    | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                                                                                     |                      |  |                          |                   |                            |                    |               |                              | (2)                   |  |                             |  |       |  |  |  |  |
| Fixed Targets   | #                                                      | Name                                                                                                                                                                                                             | Target Coordinates                                                                  |                      |  | Targ. Coord. Corrections |                   |                            | Fluxes             |               |                              | Miscellaneous         |  |                             |  |       |  |  |  |  |
|                 | (52)                                                   | SDSSJ094240.92+480017.3                                                                                                                                                                                          | RA: 09 42 40.9200 (145.6705000d)<br>Dec: +48 00 17.30 (48.00481d)<br>Equinox: J2000 |                      |  |                          |                   |                            | V=(?)<br>g = 19.31 |               |                              | Reference Frame: ICRS |  |                             |  |       |  |  |  |  |
| Exposures       | #                                                      | Label                                                                                                                                                                                                            | Target                                                                              | Config,Mode,Aperture |  | Spectral Els.            |                   | Opt. Params.               |                    | Special Reqs. |                              | Groups                |  | Exp. Time/[Actual Dur.]     |  | Orbit |  |  |  |  |
|                 | 1                                                      | short                                                                                                                                                                                                            | (52) SDSSJ094240.92+480017.3                                                        | WFPC2, IMAGE, PC1    |  | F814W                    |                   | ATD-GAIN=7;<br>CR-SPLIT=NO |                    |               |                              |                       |  | 30.0 Secs                   |  |       |  |  |  |  |
|                 |                                                        |                                                                                                                                                                                                                  |                                                                                     |                      |  |                          |                   |                            |                    |               |                              |                       |  | [==>]                       |  | [1]   |  |  |  |  |
|                 | 2                                                      | long                                                                                                                                                                                                             | (52) SDSSJ094240.92+480017.3                                                        | WFPC2, IMAGE, PC1    |  | F814W                    |                   | ATD-GAIN=7;<br>CR-SPLIT=NO |                    |               |                              | Pattern 2-2 (1)       |  | 1200.0 Secs                 |  |       |  |  |  |  |
|                 |                                                        |                                                                                                                                                                                                                  |                                                                                     |                      |  |                          |                   |                            |                    |               |                              |                       |  | [==>600.0 Secs (Pattern 1)] |  |       |  |  |  |  |
|                 |                                                        |                                                                                                                                                                                                                  |                                                                                     |                      |  |                          |                   |                            |                    |               |                              |                       |  | [==>600.0 Secs (Pattern 2)] |  | [1]   |  |  |  |  |
| Orbit Structure | <div>Orbit 1</div> <div>Server Version: 20080807</div> |                                                                                                                                                                                                                  |                                                                                     |                      |  |                          |                   |                            |                    |               |                              |                       |  |                             |  |       |  |  |  |  |
|                 |                                                        |                                                                                                                                                                                                                  |                                                                                     |                      |  |                          |                   |                            |                    |               |                              |                       |  |                             |  |       |  |  |  |  |

# Proposal 11130 - Visit 53 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 53, scheduling <span style="float: right;">Wed Nov 12 02:11:14 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (53)                                                                                                                                                                                                              | SDSSJ094258.55+083810.1                                                                                                                                                                                                  | RA: 09 42 58.5500 (145.7439583d)<br>Dec: +08 38 10.10 (8.63614d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.95         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (53) SDSSJ094258.55+083810.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (53) SDSSJ094258.55+083810.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 54 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 54, completed <span style="float: right;">Wed Nov 12 02:11:14 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (54)                                                                                                      | SDSSJ095151.82+060143.7                                                                                                                                                                                                  | RA: 09 51 51.8200 (147.9659167d)<br>Dec: +06 01 43.70 (6.02881d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.25         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (54) SDSSJ095151.82+060143.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (54) SDSSJ095151.82+060143.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 55 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 55, failed <span style="float: right;">Wed Nov 12 02:11:14 GMT 2008</span>          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (55)                                                                                                      | SDSSJ095330.53+562653.4                                                                                                                                                                                                  | RA: 09 53 30.5300 (148.3772083d)<br>Dec: +56 26 53.40 (56.44817d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.88         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (55) SDSSJ095330.53+562653.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (55) SDSSJ095330.53+562653.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 5J - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |                            |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|----------------------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 5J, scheduling <span style="float: right;">Wed Nov 12 02:11:14 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |                            |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |                            |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                    | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |                            |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                  | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |                            |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                    | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |                            | Miscellaneous         |                                                                           |           |
|                 | (55)                                                                                                                                                                                                                                                 | SDSSJ095330.53+562653.4                                                                                                                                                                                                  | RA: 09 53 30.5300 (148.3772083d)<br>Dec: +56 26 53.40 (56.44817d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.88         |                            | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                    | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs.              | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                    | short                                                                                                                                                                                                                    | (55) SDSSJ095330.53+562653.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO | GS ACQ SCENARI<br>O SINGLE |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                    | long                                                                                                                                                                                                                     | (55) SDSSJ095330.53+562653.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |                            | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |                            |                       |                                                                           |           |
| Orbit Structure | <div> <div>Orbit 1</div> <div> <div>GS Acq</div> <div>Exp. 1</div> <div>Exp. 2</div> <div>Pointing Maneuver</div> <div>Overhead</div> <div>Exp. 2</div> <div>Overhead</div> <div>Unused Visibility = 1093</div> <div>Occultation</div> </div> </div> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |                            |                       |                                                                           |           |
|                 | <div> <div>Server Version: 20080807</div> </div>                                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |                            |                       |                                                                           |           |

# Proposal 11130 - Visit 56 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                             |                                                                                                                                                                                                                  |                                                                                    |                      |                          |                            |                    |                 |                             |           |                              |                          |
|-----------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|--------------------|-----------------|-----------------------------|-----------|------------------------------|--------------------------|
| Visit           | Proposal 11130, Visit 56, scheduling                        |                                                                                                                                                                                                                  |                                                                                    |                      |                          |                            |                    |                 |                             |           | Wed Nov 12 02:11:14 GMT 2008 |                          |
|                 | Diagnostic Status: No Diagnostics                           |                                                                                                                                                                                                                  |                                                                                    |                      |                          |                            |                    |                 |                             |           |                              |                          |
|                 | Scientific Instruments: WFPC2                               |                                                                                                                                                                                                                  |                                                                                    |                      |                          |                            |                    |                 |                             |           |                              |                          |
|                 | Special Requirements: (none)                                |                                                                                                                                                                                                                  |                                                                                    |                      |                          |                            |                    |                 |                             |           |                              |                          |
| Patterns        | #                                                           | Primary Pattern                                                                                                                                                                                                  |                                                                                    |                      |                          |                            | Secondary Pattern  |                 |                             | Exposures |                              |                          |
|                 | (1)                                                         | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                                                                                    |                      |                          |                            |                    |                 |                             | (2)       |                              |                          |
| Fixed Targets   | #                                                           | Name                                                                                                                                                                                                             | Target Coordinates                                                                 |                      | Targ. Coord. Corrections |                            | Fluxes             |                 | Miscellaneous               |           |                              |                          |
|                 | (56)                                                        | SDSSJ100617.51+365703.1                                                                                                                                                                                          | RA: 10 06 17.5100 (151.5729583d)<br>Dec: +36 57 3.10 (36.95086d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g = 18.85 |                 | Reference Frame: ICRS       |           |                              |                          |
| Exposures       | #                                                           | Label                                                                                                                                                                                                            | Target                                                                             | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]     |           | Orbit                        |                          |
|                 | 1                                                           | short                                                                                                                                                                                                            | (56) SDSSJ100617.51+365703.1                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    |                 | 30.0 Secs                   |           |                              |                          |
|                 |                                                             |                                                                                                                                                                                                                  |                                                                                    |                      |                          |                            |                    |                 | [==>]                       |           | [1]                          |                          |
|                 | 2                                                           | long                                                                                                                                                                                                             | (56) SDSSJ100617.51+365703.1                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    | Pattern 2-2 (1) | 1200.0 Secs                 |           |                              |                          |
|                 |                                                             |                                                                                                                                                                                                                  |                                                                                    |                      |                          |                            |                    |                 | [==>600.0 Secs (Pattern 1)] |           |                              |                          |
|                 |                                                             |                                                                                                                                                                                                                  |                                                                                    |                      |                          |                            |                    |                 | [==>600.0 Secs (Pattern 2)] |           | [1]                          |                          |
| Orbit Structure | Orbit 1                                                     |                                                                                                                                                                                                                  |                                                                                    |                      |                          |                            |                    |                 |                             |           |                              | Server Version: 20080807 |
|                 |                                                             |                                                                                                                                                                                                                  |                                                                                    |                      |                          |                            |                    |                 |                             |           |                              |                          |
|                 | 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec |                                                                                                                                                                                                                  |                                                                                    |                      |                          |                            |                    |                 |                             |           |                              |                          |

# Proposal 11130 - Visit 57 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                     |                                                                                                                                                                                                                  |                                                                                   |                      |                          |                            |                    |                 |                                                            |           |                              |                          |
|-----------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|--------------------|-----------------|------------------------------------------------------------|-----------|------------------------------|--------------------------|
| Visit           | Proposal 11130, Visit 57, withdrawn |                                                                                                                                                                                                                  |                                                                                   |                      |                          |                            |                    |                 |                                                            |           | Wed Nov 12 02:11:14 GMT 2008 |                          |
|                 | Diagnostic Status: No Diagnostics   |                                                                                                                                                                                                                  |                                                                                   |                      |                          |                            |                    |                 |                                                            |           |                              |                          |
|                 | Scientific Instruments: WFPC2       |                                                                                                                                                                                                                  |                                                                                   |                      |                          |                            |                    |                 |                                                            |           |                              |                          |
|                 | Special Requirements: (none)        |                                                                                                                                                                                                                  |                                                                                   |                      |                          |                            |                    |                 |                                                            |           |                              |                          |
| Patterns        | #                                   | Primary Pattern                                                                                                                                                                                                  |                                                                                   |                      |                          |                            | Secondary Pattern  |                 |                                                            | Exposures |                              |                          |
|                 | (1)                                 | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                                                                                   |                      |                          |                            |                    |                 |                                                            | (2)       |                              |                          |
| Fixed Targets   | #                                   | Name                                                                                                                                                                                                             | Target Coordinates                                                                |                      | Targ. Coord. Corrections |                            | Fluxes             |                 | Miscellaneous                                              |           |                              |                          |
|                 | (57)                                | SDSSJ101246.59+061604.7                                                                                                                                                                                          | RA: 10 12 46.5900 (153.1941250d)<br>Dec: +06 16 4.70 (6.26797d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g = 17.06 |                 | Reference Frame: ICRS                                      |           |                              |                          |
| Exposures       | #                                   | Label                                                                                                                                                                                                            | Target                                                                            | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]                                    |           | Orbit                        |                          |
|                 | 1                                   | short                                                                                                                                                                                                            | (57) SDSSJ101246.59+061604.7                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    |                 | 30.0 Secs                                                  |           |                              |                          |
|                 |                                     |                                                                                                                                                                                                                  |                                                                                   |                      |                          |                            |                    |                 | [==>]                                                      |           | [1]                          |                          |
|                 | 2                                   | long                                                                                                                                                                                                             | (57) SDSSJ101246.59+061604.7                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    | Pattern 2-2 (1) | 1200.0 Secs                                                |           |                              |                          |
|                 |                                     |                                                                                                                                                                                                                  |                                                                                   |                      |                          |                            |                    |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |           | [1]                          |                          |
| Orbit Structure | Orbit 1                             |                                                                                                                                                                                                                  |                                                                                   |                      |                          |                            |                    |                 |                                                            |           |                              | Server Version: 20080807 |
|                 |                                     |                                                                                                                                                                                                                  |                                                                                   |                      |                          |                            |                    |                 |                                                            |           |                              |                          |

# Proposal 11130 - Visit 58 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
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| Visit           | Proposal 11130, Visit 58, withdrawn <span style="float: right;">Wed Nov 12 02:11:14 GMT 2008</span>                                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (58)                                                                                                                                                                                                                                                                                                                              | SDSSJ101748.42+405116.4                                                                                                                                                                                                  | RA: 10 17 48.4200 (154.4517500d)<br>Dec: +40 51 16.40 (40.85456d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.31 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (58) SDSSJ101748.42+405116.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (58) SDSSJ101748.42+405116.4                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <p>Timeline details:</p> <ul style="list-style-type: none"> <li>0s: GS Acq</li> <li>~400s: Exp. 1</li> <li>~600s: Exp. 2</li> <li>~1200s: Overhead</li> <li>~1400s: Pointing Maneuver</li> <li>~1500s: Exp. 2</li> <li>~2200s: Overhead</li> <li>~2300s - ~3100s: Unused Visibility = 954</li> <li>~3200s: Occultation</li> </ul> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |



# Proposal 11130 - Visit 59 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
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| Visit           | Proposal 11130, Visit 59, withdrawn <span style="float: right;">Wed Nov 12 02:11:15 GMT 2008</span>                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (59)                                                                                                                                                                                                                                                                         | SDSSJ101807.59+011244.9                                                                                                                                                                                                  | RA: 10 18 7.5900 (154.5316250d)<br>Dec: +01 12 44.90 (1.21247d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.00         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (59) SDSSJ101807.59+011244.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (59) SDSSJ101807.59+011244.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Exp. 2      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 60 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                         |           |
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| Visit           | Proposal 11130, Visit 60, completed <span style="float: right;">Wed Nov 12 02:11:15 GMT 2008</span>                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                         |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                         |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                         | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                         | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                         |           |
|                 | (60)                                                                                                                                                                                                                                                                         | SDSSJ102212.60+383742.7                                                                                                                                                                                                  | RA: 10 22 12.6000 (155.5525000d)<br>Dec: +38 37 42.70 (38.62853d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.34         |               | Reference Frame: ICRS |                                                                         |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                 | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (60) SDSSJ102212.60+383742.7                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[=>]                                                       | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (60) SDSSJ102212.60+383742.7                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[=>600.0 Secs (Pattern 1)]<br>[=>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                         |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                         |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Exp. 2      Overhead      Unused Visibility = 944      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                         |           |

# Proposal 11130 - Visit 61 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
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| Visit           | Proposal 11130, Visit 61, withdrawn <span style="float: right;">Wed Nov 12 02:11:15 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (61)                                                                                                      | SDSSJ102348.44+040553.7                                                                                                                                                                                                  | RA: 10 23 48.4400 (155.9518333d)<br>Dec: +04 05 53.70 (4.09825d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.27         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (61) SDSSJ102348.44+040553.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (61) SDSSJ102348.44+040553.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 62 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 62, scheduling <span style="float: right;">Wed Nov 12 02:11:15 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (62)                                                                                                                                                                                                              | SDSSJ102957.76+431430.8                                                                                                                                                                                                  | RA: 10 29 57.7600 (157.4906667d)<br>Dec: +43 14 30.80 (43.24189d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.16 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (62) SDSSJ102957.76+431430.8                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (62) SDSSJ102957.76+431430.8                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 63 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 63, withdrawn</b> <span style="float: right;">Wed Nov 12 02:11:15 GMT 2008</span> |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                                            |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER              Pattern Orientation=45.0<br>Number Of Points=2            Angle Between Sides=<br>Point Spacing=0.704          Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                                       | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (63)                                                                                                       | SDSSJ103247.19+114521.1                                                                                                                                                                                                                    | RA: 10 32 47.1900 (158.1966250d)<br>Dec: +11 45 21.10 (11.75586d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.02         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                                      | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                                      | (63) SDSSJ103247.19+114521.1                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                                       | (63) SDSSJ103247.19+114521.1                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 64 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 64, completed <span style="float: right;">Wed Nov 12 02:11:16 GMT 2008</span>                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                             | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                           | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                             | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (64)                                                                                                                                                                                                                                                                          | SDSSJ103344.04+635317.2                                                                                                                                                                                                  | RA: 10 33 44.0400 (158.4335000d)<br>Dec: +63 53 17.20 (63.88811d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.80         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                             | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                             | short                                                                                                                                                                                                                    | (64) SDSSJ103344.04+635317.2                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                             | long                                                                                                                                                                                                                     | (64) SDSSJ103344.04+635317.2                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 102%      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 65 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                       |               |                 |                                                            |           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|--------------------|-----------------------|---------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 65, withdrawn <span style="float: right;">Wed Nov 12 02:11:16 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                       |               |                 |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                       |               |                 |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                     | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |                    | Secondary Pattern     |               |                 |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                   | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |                    |                       |               |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                     | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections | Fluxes             | Miscellaneous         |               |                 |                                                            |           |
|                 | (65)                                                                                                                                                                                                                                                                                                                                                                                                                                  | SDSSJ103518.74+073406.2                                                                                                                                                                                                  | RA: 10 35 18.7400 (158.8280833d)<br>Dec: +07 34 6.20 (7.56839d)<br>Equinox: J2000 |                          | V=(?)<br>g = 17.27 | Reference Frame: ICRS |               |                 |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                     | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els.      | Opt. Params.          | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                     | short                                                                                                                                                                                                                    | (65) SDSSJ103518.74+073406.2                                                      | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                   |                          |                    | CR-SPLIT=NO           |               |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                     | long                                                                                                                                                                                                                     | (65) SDSSJ103518.74+073406.2                                                      | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                   |                          |                    | CR-SPLIT=NO           |               |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                       |               |                 |                                                            |           |
|                 | <p>Timeline details:</p> <ul style="list-style-type: none"> <li>0 to ~200s: GS Acq</li> <li>~200 to ~400s: Exp. 1</li> <li>~400 to ~600s: Exp. 2</li> <li>~600 to ~1200s: Observation segment</li> <li>~1200 to ~1400s: Pointing Maneuver</li> <li>~1400 to ~1600s: Exp. 2</li> <li>~1600 to ~2200s: Observation segment</li> <li>~2200 to ~3100s: Overhead (Unused Visibility = 917)</li> <li>~3100 to 5500s: Occultation</li> </ul> |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                       |               |                 |                                                            |           |

# Proposal 11130 - Visit 66 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 66, withdrawn <span style="float: right;">Wed Nov 12 02:11:16 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                              | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (66)                                                                                                                                                                                                             | SDSSJ103618.78+051958.1                                                                                                                                                                                                  | RA: 10 36 18.7800 (159.0782500d)<br>Dec: +05 19 58.10 (5.33281d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.58         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                | short                                                                                                                                                                                                                    | (66) SDSSJ103618.78+051958.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                | long                                                                                                                                                                                                                     | (66) SDSSJ103618.78+051958.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |



# Proposal 11130 - Visit 67 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 67, withdrawn <span style="float: right;">Wed Nov 12 02:11:16 GMT 2008</span>                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (67)                                                                                                                                                                                                                                                           | SDSSJ103932.19+135550.2                                                                                                                                                                                                  | RA: 10 39 32.1900 (159.8841250d)<br>Dec: +13 55 50.20 (13.93061d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.18 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (67) SDSSJ103932.19+135550.2                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (67) SDSSJ103932.19+135550.2                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 922      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 68 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 68, completed <span style="float: right;">Wed Nov 12 02:11:16 GMT 2008</span>                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                  |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                  |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                               | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (68)                                                                                                                                                                                                                                                           | SDSSJ030417.78+002827.3                                                                                                                                                                                                  | RA: 03 04 17.7800 (46.0740833d)<br>Dec: +00 28 27.30 (.47425d)<br>Equinox: J2000 |                          |               | V=(?)<br>i = 15.5609       |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                           | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (68) SDSSJ030417.78+002827.3                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (68) SDSSJ030417.78+002827.3                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 69 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 69, completed <span style="float: right;">Wed Nov 12 02:11:16 GMT 2008</span>                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (69)                                                                                                                                                                                                                                                                         | SDSSJ104330.05+512128.9                                                                                                                                                                                                  | RA: 10 43 30.0500 (160.8752083d)<br>Dec: +51 21 28.90 (51.35803d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.61 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (69) SDSSJ104330.05+512128.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (69) SDSSJ104330.05+512128.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 985      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 70 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 70, scheduling <span style="float: right;">Wed Nov 12 02:11:16 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (70)                                                                                                                                                                                                              | SDSSJ105108.81+605957.2                                                                                                                                                                                                  | RA: 10 51 8.8100 (162.7867083d)<br>Dec: +60 59 57.20 (60.99922d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.10         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (70) SDSSJ105108.81+605957.2                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (70) SDSSJ105108.81+605957.2                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 71 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 71, scheduling <span style="float: right;">Wed Nov 12 02:11:17 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (71)                                                                                                                                                                                                              | SDSSJ105131.91+504223.1                                                                                                                                                                                                  | RA: 10 51 31.9100 (162.8829583d)<br>Dec: +50 42 23.10 (50.70642d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.96         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (71) SDSSJ105131.91+504223.1                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (71) SDSSJ105131.91+504223.1                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 72 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 72, completed <span style="float: right;">Wed Nov 12 02:11:17 GMT 2008</span>                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (72)                                                                                                                                                                                                                                                                                                                               | SDSSJ105755.66+482502.0                                                                                                                                                                                                  | RA: 10 57 55.6600 (164.4819167d)<br>Dec: +48 25 2.00 (48.41722d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.16 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                  | short                                                                                                                                                                                                                    | (72) SDSSJ105755.66+482502.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                  | long                                                                                                                                                                                                                     | (72) SDSSJ105755.66+482502.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <p>Timeline details:</p> <ul style="list-style-type: none"> <li>0 - 200s: GS Acq</li> <li>200 - 400s: Exp. 1</li> <li>400 - 600s: Exp. 2</li> <li>600 - 1200s: Overhead</li> <li>1200 - 1400s: Exp. 2</li> <li>1400 - 2200s: Overhead</li> <li>2200 - 3200s: Unused Visibility = 96%</li> <li>3200 - 5500s: Occultation</li> </ul> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 73 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                            |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|----------------------------|
| Visit           | Proposal 11130, Visit 73, scheduling <span style="float: right;">Wed Nov 12 02:11:17 GMT 2008</span>      |                                                                                                                                                                                                                          |                                                                                     |                          |                            |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |                            |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     | Secondary Pattern        | Exposures                  |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          | (2)                        |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                     |
|                 | (73)                                                                                                      | SDSSJ110258.73+463811.4                                                                                                                                                                                                  | RA: 11 02 58.7300 (165.7447083d)<br>Dec: +46 38 11.40 (46.63650d)<br>Equinox: J2000 |                          | V=(?)<br>g = 17.76         |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.              |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (73) SDSSJ110258.73+463811.4                                                        | WFPC2, IMAGE, PC1        | F814W                      |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Opt. Params.               |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Special Reqs.              |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                            |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Groups                     |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Pattern 2-2 (1)            |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]    |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | 30.0 Secs                  |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | [=>]                       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | [1]                        |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (73) SDSSJ110258.73+463811.4                                                        | WFPC2, IMAGE, PC1        | F814W                      |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]    |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | 1200.0 Secs                |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | [=>600.0 Secs (Pattern 1)] |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | [=>600.0 Secs (Pattern 2)] |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | [1]                        |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                            |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |                            |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                            |

# Proposal 11130 - Visit 74 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
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| Visit           | Proposal 11130, Visit 74, completed <span style="float: right;">Wed Nov 12 02:11:17 GMT 2008</span>                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                             | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                           | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                             | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (74)                                                                                                                                                                                                                                                                          | SDSSJ110501.97+594103.6                                                                                                                                                                                                  | RA: 11 05 1.9700 (166.2582083d)<br>Dec: +59 41 3.60 (59.68433d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 14.90         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                             | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                             | short                                                                                                                                                                                                                    | (74) SDSSJ110501.97+594103.6                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                             | long                                                                                                                                                                                                                     | (74) SDSSJ110501.97+594103.6                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 1007      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                   |                          |               |                            |               |                       |                                                                           |           |



# Proposal 11130 - Visit 75 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                       |               |                 |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|--------------------|-----------------------|---------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 75, withdrawn <span style="float: right;">Wed Nov 12 02:11:17 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                       |               |                 |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                       |               |                 |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |                    | Secondary Pattern     |               |                 |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |                    |                       |               |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections | Fluxes             | Miscellaneous         |               |                 |                                                            |           |
|                 | (75)                                                                                                      | SDSSJ110540.46+035309.0                                                                                                                                                                                                  | RA: 11 05 40.4600 (166.4185833d)<br>Dec: +03 53 9.00 (3.88583d)<br>Equinox: J2000 |                          | V=(?)<br>g = 17.32 | Reference Frame: ICRS |               |                 |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els.      | Opt. Params.          | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (75) SDSSJ110540.46+035309.0                                                      | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |                    | CR-SPLIT=NO           |               |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (75) SDSSJ110540.46+035309.0                                                      | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |                    | CR-SPLIT=NO           |               |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                       |               |                 |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                       |               |                 |                                                            |           |

# Proposal 11130 - Visit 76 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
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| Visit           | Proposal 11130, Visit 76, withdrawn <span style="float: right;">Wed Nov 12 02:11:18 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (76)                                                                                                      | SDSSJ111031.61+022043.2                                                                                                                                                                                                  | RA: 11 10 31.6100 (167.6317083d)<br>Dec: +02 20 43.20 (2.34533d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.99         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (76) SDSSJ111031.61+022043.2                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (76) SDSSJ111031.61+022043.2                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 77 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |                  |                       |               |                 |                                                            |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|------------------|-----------------------|---------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 77, withdrawn <span style="float: right;">Wed Nov 12 02:11:18 GMT 2008</span>                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |                  |                       |               |                 |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |                  |                       |               |                 |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |                  | Secondary Pattern     |               |                 |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |                  |                       |               |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes           | Miscellaneous         |               |                 |                                                            |           |
|                 | (77)                                                                                                                                                                                                                                                           | SDSSJ111139.94+405816.5                                                                                                                                                                                                  | RA: 11 11 39.9400 (167.9164167d)<br>Dec: +40 58 16.50 (40.97125d)<br>Equinox: J2000 |                          | V=?<br>g = 18.39 | Reference Frame: ICRS |               |                 |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.    | Opt. Params.          | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (77) SDSSJ111139.94+405816.5                                                        | WFPC2, IMAGE, PC1        | F814W            | ATD-GAIN=7;           |               |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |                  | CR-SPLIT=NO           |               |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (77) SDSSJ111139.94+405816.5                                                        | WFPC2, IMAGE, PC1        | F814W            | ATD-GAIN=7;           |               | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |                  | CR-SPLIT=NO           |               |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |                  |                       |               |                 |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 954      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |                  |                       |               |                 |                                                            |           |

# Proposal 11130 - Visit 78 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                   |                    |                 |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|-------------------|--------------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 78, completed <span style="float: right;">Wed Nov 12 02:11:18 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                   |                    |                 |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                   |                    |                 |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                      |                          | Secondary Pattern |                    |                 |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                      |                          |                   |                    |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |                   | Fluxes             |                 | Miscellaneous                                              |           |
|                 | (78)                                                                                                      | SDSSJ111443.65+525834.2                                                                                                                                                                                                  | RA: 11 14 43.6500 (168.6818750d)<br>Dec: +52 58 34.20 (52.97617d)<br>Equinox: J2000 |                      |                          |                   | V=(?)<br>g = 17.14 |                 | Reference Frame: ICRS                                      |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture | Spectral Els.            | Opt. Params.      | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (78) SDSSJ111443.65+525834.2                                                        | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;       |                    |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                      |                          | CR-SPLIT=NO       |                    |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (78) SDSSJ111443.65+525834.2                                                        | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;       |                    | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                      |                          | CR-SPLIT=NO       |                    |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                   |                    |                 |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                   |                    |                 |                                                            |           |

# Proposal 11130 - Visit 79 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 79, failed <span style="float: right;">Wed Nov 12 02:11:18 GMT 2008</span>                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (79)                                                                                                                                                                                                                                                           | SDSSJ111644.65+402635.5                                                                                                                                                                                                  | RA: 11 16 44.6500 (169.1860417d)<br>Dec: +40 26 35.50 (40.44319d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 20.32         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (79) SDSSJ111644.65+402635.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (79) SDSSJ111644.65+402635.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 954      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 5P - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                  |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
|-----------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|-------------------------------------------------------------------------------------------------------|--------------------|-----------------|---------------------------------------------------------------------------|-----------|-------|
| Visit           | Proposal 11130, Visit 5P                                         |                                                                                                         |                                                                                     |                      |                          | Wed Nov 12 02:11:19 GMT 2008                                                                          |                    |                 |                                                                           |           |       |
|                 | Diagnostic Status: No Diagnostics                                |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
|                 | Scientific Instruments: WFPC2                                    |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
|                 | Special Requirements: (none)                                     |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
| Patterns        | #                                                                | Primary Pattern                                                                                         |                                                                                     |                      |                          | Secondary Pattern                                                                                     |                    |                 |                                                                           | Exposures |       |
|                 | (1)                                                              | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing= |                                                                                     |                      |                          | Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                    |                 |                                                                           | (2)       |       |
| Fixed Targets   | #                                                                | Name                                                                                                    | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |                                                                                                       | Fluxes             |                 | Miscellaneous                                                             |           |       |
|                 | (79)                                                             | SDSSJ111644.65+402635.5                                                                                 | RA: 11 16 44.6500 (169.1860417d)<br>Dec: +40 26 35.50 (40.44319d)<br>Equinox: J2000 |                      |                          |                                                                                                       | V=(?)<br>g = 20.32 |                 | Reference Frame: ICRS                                                     |           |       |
| Exposures       | #                                                                | Label                                                                                                   | Target                                                                              | Config,Mode,Aperture | Spectral Els.            | Opt. Params.                                                                                          | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]                                                   |           | Orbit |
|                 | 1                                                                | short                                                                                                   | (79) SDSSJ111644.65+402635.5                                                        | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |                    |                 | 30.0 Secs<br>[==>]                                                        |           | [1]   |
|                 | 2                                                                | long                                                                                                    | (79) SDSSJ111644.65+402635.5                                                        | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |                    | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |           | [1]   |
|                 |                                                                  |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
| Orbit Structure | <div><div>Orbit 1</div><div>Server Version: 20080807</div></div> |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
|                 |                                                                  |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |

# Proposal 11130 - Visit 80 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                            |               |                 |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|--------------------|----------------------------|---------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 80, withdrawn</b> <span style="float: right;">Wed Nov 12 02:11:19 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                            |               |                 |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                            |               |                 |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |                    | Secondary Pattern          |               |                 |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |                    |                            |               |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes             | Miscellaneous              |               |                 |                                                                           |           |
|                 | (80)                                                                                                       | SDSSJ111749.17+044315.5                                                                                                                                                                                                  | RA: 11 17 49.1700 (169.4548750d)<br>Dec: +04 43 15.50 (4.72097d)<br>Equinox: J2000 |                          | V=(?)<br>g = 18.72 | Reference Frame: ICRS      |               |                 |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els.      | Opt. Params.               | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                    | (80) SDSSJ111749.17+044315.5                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                     | (80) SDSSJ111749.17+044315.5                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                            |               |                 |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                            |               |                 |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                            |               |                 |                                                                           |           |

# Proposal 11130 - Visit 81 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                                                      |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 81, scheduling <span style="float: right;">Wed Nov 12 02:11:19 GMT 2008</span>      |                                                                                                                                                                                                                                                      |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                                                      |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                                                      |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER                  Pattern Orientation=45.0<br>Number Of Points=2              Angle Between Sides=<br>Point Spacing=0.704              Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                                                 | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (81)                                                                                                      | SDSSJ095438.78+403204.2                                                                                                                                                                                                                              | RA: 09 54 38.7800 (148.6615833d)<br>Dec: +40 32 4.20 (40.53450d)<br>Equinox: J2000 |                          |               | V=(?)<br>i = 18.5389       |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                                                | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                                                | (81) SDSSJ095438.78+403204.2                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                                                 | (81) SDSSJ095438.78+403204.2                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                                                      |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                                                      |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                                                      |                                                                                    |                          |               |                            |               |                       |                                                                           |           |



# Proposal 11130 - Visit 82 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 82, completed <span style="float: right;">Wed Nov 12 02:11:19 GMT 2008</span>                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (82)                                                                                                                                                                                                                                                                         | SDSSJ112309.16+433134.8                                                                                                                                                                                                  | RA: 11 23 9.1600 (170.7881667d)<br>Dec: +43 31 34.80 (43.52633d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.88         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (82) SDSSJ112309.16+433134.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (82) SDSSJ112309.16+433134.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 954      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 83 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                   |                    |                 |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|-------------------|--------------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 83, withdrawn <span style="float: right;">Wed Nov 12 02:11:19 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                   |                    |                 |                                                            |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                   |                    |                 |                                                            |           |
| Patterns        | #                                                                                                   | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                      |                          | Secondary Pattern |                    |                 |                                                            | Exposures |
|                 | (1)                                                                                                 | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                      |                          |                   |                    |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                   | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 |                      | Targ. Coord. Corrections |                   | Fluxes             |                 | Miscellaneous                                              |           |
|                 | (83)                                                                                                | SDSSJ112526.51+022039.0                                                                                                                                                                                                  | RA: 11 25 26.5100 (171.3604583d)<br>Dec: +02 20 39.00 (2.34417d)<br>Equinox: J2000 |                      |                          |                   | V=(?)<br>g = 16.67 |                 | Reference Frame: ICRS                                      |           |
| Exposures       | #                                                                                                   | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture | Spectral Els.            | Opt. Params.      | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                   | short                                                                                                                                                                                                                    | (83) SDSSJ112526.51+022039.0                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;       |                    |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                      |                          | CR-SPLIT=NO       |                    |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                   | long                                                                                                                                                                                                                     | (83) SDSSJ112526.51+022039.0                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;       |                    | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                      |                          | CR-SPLIT=NO       |                    |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                          |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                   |                    |                 |                                                            |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                   |                    |                 |                                                            |           |

# Proposal 11130 - Visit 84 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 84, withdrawn <span style="float: right;">Wed Nov 12 02:11:19 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                              | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (84)                                                                                                                                                                                                             | SDSSJ112613.03+105102.8                                                                                                                                                                                                  | RA: 11 26 13.0300 (171.5542917d)<br>Dec: +10 51 2.80 (10.85078d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.38 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                | short                                                                                                                                                                                                                    | (84) SDSSJ112613.03+105102.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                | long                                                                                                                                                                                                                     | (84) SDSSJ112613.03+105102.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 85 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 85, completed <span style="float: right;">Wed Nov 12 02:11:20 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (85)                                                                                                      | SDSSJ112713.22+462530.5                                                                                                                                                                                                  | RA: 11 27 13.2200 (171.8050833d)<br>Dec: +46 25 30.50 (46.42514d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.57         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (85) SDSSJ112713.22+462530.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (85) SDSSJ112713.22+462530.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 86 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 86, withdrawn <span style="float: right;">Wed Nov 12 02:11:20 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (86)                                                                                                      | SDSSJ113243.58+102032.9                                                                                                                                                                                                  | RA: 11 32 43.5800 (173.1815833d)<br>Dec: +10 20 32.90 (10.34247d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.38         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (86) SDSSJ113243.58+102032.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (86) SDSSJ113243.58+102032.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 87 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 87, completed <span style="float: right;">Wed Nov 12 02:11:20 GMT 2008</span>                                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                               |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                       | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                     | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                       | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (87)                                                                                                                                                                                                                    | SDSSJ113545.55+644005.2                                                                                                                                                                                                  | RA: 11 35 45.5500 (173.9397917d)<br>Dec: +64 40 5.20 (64.66811d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.76         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                       | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                       | short                                                                                                                                                                                                                    | (87) SDSSJ113545.55+644005.2                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                       | long                                                                                                                                                                                                                     | (87) SDSSJ113545.55+644005.2                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 102%      Occultation</p> <p>Timeline (seconds): 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 88 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 88, scheduling</b> <span style="float: right;">Wed Nov 12 02:11:20 GMT 2008</span>                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (88)                                                                                                                                                                                                                                                           | SDSSJ113638.38+424552.9                                                                                                                                                                                                  | RA: 11 36 38.3800 (174.1599167d)<br>Dec: +42 45 52.90 (42.76469d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.47         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (88) SDSSJ113638.38+424552.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (88) SDSSJ113638.38+424552.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 954      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 89 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 89, completed <span style="float: right;">Wed Nov 12 02:11:20 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (89)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SDSSJ113657.68+411318.5                                                                                                                                                                                                  | RA: 11 36 57.6800 (174.2403333d)<br>Dec: +41 13 18.50 (41.22181d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.20         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | short                                                                                                                                                                                                                    | (89) SDSSJ113657.68+411318.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | long                                                                                                                                                                                                                     | (89) SDSSJ113657.68+411318.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | Orbit 1 <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>Orbit Structure diagram for Orbit 1. The timeline shows the sequence of events during the observation period. Key events include GS Acq at 0s, Exp. 1 at ~400s, Exp. 2 at ~600s, Pointing Maneuver at ~1300s, another Exp. 2 at ~1500s, Overhead at ~2200s, Unused Visibility = 954 from ~2200s to ~3100s, and Occultation starting at ~3100s. The timeline is divided into segments with different patterns: blue checkered for observations, green for overhead, and white for occultation.</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |



# Proposal 11130 - Visit 90 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 90, withdrawn</b> <span style="float: right;">Wed Nov 12 02:11:20 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (90)                                                                                                       | SDSSJ114339.49-024316.3                                                                                                                                                                                                  | RA: 11 43 39.4900 (175.9145417d)<br>Dec: -02 43 16.30 (-2.72119d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.18 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                    | (90) SDSSJ114339.49-024316.3                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                     | (90) SDSSJ114339.49-024316.3                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 91 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 91, completed <span style="float: right;">Wed Nov 12 02:11:20 GMT 2008</span>                                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                               |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                       | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                     | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                       | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (91)                                                                                                                                                                                                                    | SDSSJ114343.76+550019.3                                                                                                                                                                                                  | RA: 11 43 43.7600 (175.9323333d)<br>Dec: +55 00 19.30 (55.00536d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.48 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                       | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                       | short                                                                                                                                                                                                                    | (91) SDSSJ114343.76+550019.3                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                       | long                                                                                                                                                                                                                     | (91) SDSSJ114343.76+550019.3                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 100%      Occultation</p> <p>Timeline (seconds): 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 92 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 92, withdrawn</b> <span style="float: right;">Wed Nov 12 02:11:21 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (92)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SDSSJ114633.98+100244.9                                                                                                                                                                                                  | RA: 11 46 33.9800 (176.6415833d)<br>Dec: +10 02 44.90 (10.04581d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.58         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | short                                                                                                                                                                                                                    | (92) SDSSJ114633.98+100244.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | long                                                                                                                                                                                                                     | (92) SDSSJ114633.98+100244.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>The diagram illustrates the timeline of Orbit 1, showing the sequence of observations and overheads. The x-axis represents time in seconds, ranging from 0 to 5500. Key events are marked with arrows: GS Acq at 0s, Exp. 1 at ~300s, Exp. 2 at ~600s and ~1400s, Pointing Maneuver at ~1200s, Overhead at ~1300s and ~2200s, Unused Visibility = 922s from ~2200s to ~3100s, and Occultation at ~3100s. The timeline is divided into segments with different patterns: blue checkered for observations, green for overhead, and white for unused visibility.</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 93 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|--------------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 93, scheduling <span style="float: right;">Wed Nov 12 02:11:21 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                            |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                      |                          | Secondary Pattern          |                    |                 |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                      |                          |                            |                    |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |                            | Fluxes             |                 | Miscellaneous                                                             |           |
|                 | (93)                                                                                                                                                                                                                                                                         | SDSSJ114851.61+514528.7                                                                                                                                                                                                  | RA: 11 48 51.6100 (177.2150417d)<br>Dec: +51 45 28.70 (51.75797d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g = 18.43 |                 | Reference Frame: ICRS                                                     |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (93) SDSSJ114851.61+514528.7                                                        | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (93) SDSSJ114851.61+514528.7                                                        | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Exp. 2      Overhead      Unused Visibility = 985      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |

# Proposal 11130 - Visit 94 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 94, completed</b> <span style="float: right;">Wed Nov 12 02:11:21 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (94)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SDSSJ115138.10+561331.9                                                                                                                                                                                                  | RA: 11 51 38.1000 (177.9087500d)<br>Dec: +56 13 31.90 (56.22553d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.21         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | short                                                                                                                                                                                                                    | (94) SDSSJ115138.10+561331.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | long                                                                                                                                                                                                                     | (94) SDSSJ115138.10+561331.9                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>The diagram illustrates the timeline of Orbit 1, showing various mission events and their durations. The x-axis represents time in seconds, ranging from 0 to 5500. Key events include:</p> <ul style="list-style-type: none"> <li><b>GS Acq</b>: Ground Station Acquisition at 0 seconds.</li> <li><b>Exp. 1</b>: Exposure 1 at approximately 400 seconds.</li> <li><b>Exp. 2</b>: Exposure 2 at approximately 600 seconds and 1400 seconds.</li> <li><b>Pointing Maneuver</b>: A maneuver at approximately 1200 seconds.</li> <li><b>Overhead</b>: Overhead periods at approximately 1300 seconds and 2200 seconds.</li> <li><b>Unused Visibility = 1007</b>: A period of unused visibility at approximately 2200 seconds.</li> <li><b>Occultation</b>: Occultation at approximately 3200 seconds.</li> </ul> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 95 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 95, scheduling</b> <span style="float: right;">Wed Nov 12 02:11:21 GMT 2008</span>                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (95)                                                                                                                                                                                                                                                                           | SDSSJ115341.57+525600.0                                                                                                                                                                                                  | RA: 11 53 41.5700 (178.4232083d)<br>Dec: +52 56 0.00 (52.93333d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.38         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (95) SDSSJ115341.57+525600.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (95) SDSSJ115341.57+525600.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Unused Visibility = 985      Occultation</p> <p>Overhead      Overhead</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 96 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|--------------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 96, scheduling <span style="float: right;">Wed Nov 12 02:11:21 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                              |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                      |                          | Secondary Pattern          |                    |                 |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                      |                          |                            |                    |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |                            | Fluxes             |                 | Miscellaneous                                                             |           |
|                 | (96)                                                                                                                                                                                                                                                           | SDSSJ115341.77+461242.2                                                                                                                                                                                                  | RA: 11 53 41.7700 (178.4240417d)<br>Dec: +46 12 42.20 (46.21172d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g = 15.02 |                 | Reference Frame: ICRS                                                     |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (96) SDSSJ115341.77+461242.2                                                        | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (96) SDSSJ115341.77+461242.2                                                        | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 96%      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |

# Proposal 11130 - Visit 97 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                            |               |                 |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|--------------------|----------------------------|---------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 97, completed</b> <span style="float: right;">Wed Nov 12 02:11:21 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                            |               |                 |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                            |               |                 |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |                    | Secondary Pattern          |               |                 |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |                    |                            |               |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes             | Miscellaneous              |               |                 |                                                                           |           |
|                 | (97)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SDSSJ115601.13+564923.3                                                                                                                                                                                                  | RA: 11 56 1.1300 (179.0047083d)<br>Dec: +56 49 23.30 (56.82314d)<br>Equinox: J2000 |                          | V=(?)<br>g = 18.85 | Reference Frame: ICRS      |               |                 |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els.      | Opt. Params.               | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | short                                                                                                                                                                                                                    | (97) SDSSJ115601.13+564923.3                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | long                                                                                                                                                                                                                     | (97) SDSSJ115601.13+564923.3                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                            |               |                 |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                            |               |                 |                                                                           |           |
|                 | <p>The diagram illustrates the timeline of Orbit 1. It starts with 'GS Acq' at 0 seconds. 'Exp. 1' occurs at approximately 400 seconds, followed by 'Exp. 2' at approximately 600 seconds. A 'Pointing Maneuver' is scheduled at approximately 1200 seconds, with another 'Exp. 2' at approximately 1400 seconds. An 'Overhead' period begins at approximately 2200 seconds, lasting until approximately 3200 seconds, during which 'Unused Visibility = 100%'. The orbit ends with 'Occultation' starting at approximately 3200 seconds. The timeline is marked with a scale from 0 to 5500 seconds.</p> |                                                                                                                                                                                                                          |                                                                                    |                          |                    |                            |               |                 |                                                                           |           |



# Proposal 11130 - Visit 98 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                       |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                      |                 |                                                            |           |                              |
|-----------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|----------------------|-----------------|------------------------------------------------------------|-----------|------------------------------|
| Visit           | Proposal 11130, Visit 98, withdrawn                   |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                      |                 |                                                            |           | Wed Nov 12 02:11:22 GMT 2008 |
|                 | Diagnostic Status: No Diagnostics                     |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                      |                 |                                                            |           |                              |
|                 | Scientific Instruments: WFPC2                         |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                      |                 |                                                            |           |                              |
|                 | Special Requirements: (none)                          |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                      |                 |                                                            |           |                              |
| Patterns        | #                                                     | Primary Pattern                                                                                                                                                                                                  |                                                                                     |                      |                          |                            | Secondary Pattern    |                 |                                                            | Exposures |                              |
|                 | (1)                                                   | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                                                                                     |                      |                          |                            |                      |                 |                                                            | (2)       |                              |
| Fixed Targets   | #                                                     | Name                                                                                                                                                                                                             | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |                            | Fluxes               |                 | Miscellaneous                                              |           |                              |
|                 | (98)                                                  | SDSSJ110721.88+124810.3                                                                                                                                                                                          | RA: 11 07 21.8800 (166.8411667d)<br>Dec: +12 48 10.30 (12.80286d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>i = 18.5341 |                 | Reference Frame: ICRS                                      |           |                              |
| Exposures       | #                                                     | Label                                                                                                                                                                                                            | Target                                                                              | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.        | Groups          | Exp. Time/[Actual Dur.]                                    |           | Orbit                        |
|                 | 1                                                     | short                                                                                                                                                                                                            | (98) SDSSJ110721.88+124810.3                                                        | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                      |                 | 30.0 Secs                                                  |           |                              |
|                 |                                                       |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                      |                 | [==>]                                                      |           | [1]                          |
|                 | 2                                                     | long                                                                                                                                                                                                             | (98) SDSSJ110721.88+124810.3                                                        | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                      | Pattern 2-2 (1) | 1200.0 Secs                                                |           |                              |
|                 |                                                       |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                      |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |           | [1]                          |
| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div></div> |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                      |                 |                                                            |           |                              |

# Proposal 11130 - Visit 99 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 99, completed <span style="float: right;">Wed Nov 12 02:11:22 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (99)                                                                                                      | SDSSJ121629.13+601823.5                                                                                                                                                                                                  | RA: 12 16 29.1300 (184.1213750d)<br>Dec: +60 18 23.50 (60.30653d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.90 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (99) SDSSJ121629.13+601823.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (99) SDSSJ121629.13+601823.5                                                        | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 0A - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                     |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
|-----------------|-------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|-------------------------------------------------------------------------------------------------------|--------------------|-----------------|---------------------------------------------------------------------------|-----------|-------|
| Visit           | Proposal 11130, Visit 0A, withdrawn |                                                                                                         |                                                                                    |                      |                          | Wed Nov 12 02:11:22 GMT 2008                                                                          |                    |                 |                                                                           |           |       |
|                 | Diagnostic Status: No Diagnostics   |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
|                 | Scientific Instruments: WFPC2       |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
|                 | Special Requirements: (none)        |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
| Patterns        | #                                   | Primary Pattern                                                                                         |                                                                                    |                      |                          | Secondary Pattern                                                                                     |                    |                 |                                                                           | Exposures |       |
|                 | (1)                                 | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing= |                                                                                    |                      |                          | Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                    |                 |                                                                           | (2)       |       |
| Fixed Targets   | #                                   | Name                                                                                                    | Target Coordinates                                                                 |                      | Targ. Coord. Corrections |                                                                                                       | Fluxes             |                 | Miscellaneous                                                             |           |       |
|                 | (100)                               | SDSSJ121803.05+501728.2                                                                                 | RA: 12 18 3.0500 (184.5127083d)<br>Dec: +50 17 28.20 (50.29117d)<br>Equinox: J2000 |                      |                          |                                                                                                       | V=(?)<br>g = 18.68 |                 | Reference Frame: ICRS                                                     |           |       |
| Exposures       | #                                   | Label                                                                                                   | Target                                                                             | Config,Mode,Aperture | Spectral Els.            | Opt. Params.                                                                                          | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]                                                   |           | Orbit |
|                 | 1                                   | short                                                                                                   | (100) SDSSJ121803.05+501728.2                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |                    |                 | 30.0 Secs<br>[==>]                                                        |           | [1]   |
|                 | 2                                   | long                                                                                                    | (100) SDSSJ121803.05+501728.2                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |                    | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |           | [1]   |
|                 |                                     |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
| Orbit Structure | Orbit 1                             |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
|                 | Server Version: 20080807            |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
|                 |                                     |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |

# Proposal 11130 - Visit 0B - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 0B, completed <span style="float: right;">Wed Nov 12 02:11:22 GMT 2008</span>                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (101)                                                                                                                                                                                                                                                                        | SDSSJ121839.40+470627.6                                                                                                                                                                                                  | RA: 12 18 39.4000 (184.6641667d)<br>Dec: +47 06 27.60 (47.10767d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.00 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (101) SDSSJ121839.40+470627.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (101) SDSSJ121839.40+470627.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 96%      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 0C - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 0C, completed <span style="float: right;">Wed Nov 12 02:11:22 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (102)                                                                                                     | SDSSJ122342.81+581446.1                                                                                                                                                                                                  | RA: 12 23 42.8100 (185.9283750d)<br>Dec: +58 14 46.10 (58.24614d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.06 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (102) SDSSJ122342.81+581446.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (102) SDSSJ122342.81+581446.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 0D - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 0D, completed</b> <span style="float: right;">Wed Nov 12 02:11:22 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (103)                                                                                                      | SDSSJ122711.67+630646.8                                                                                                                                                                                                  | RA: 12 27 11.6700 (186.7986250d)<br>Dec: +63 06 46.80 (63.11300d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.24         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                    | (103) SDSSJ122711.67+630646.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                     | (103) SDSSJ122711.67+630646.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 0E - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   |                            |                             |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------|-----------------------------|
| Visit           | <b>Proposal 11130, Visit 0E, withdrawn</b> <span style="float: right;">Wed Nov 12 02:11:22 GMT 2008</span>                                                                                                                                                     |                                                                                                                                                                                                                                            |                                                                                   |                            |                             |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                      |                                                                                                                                                                                                                                            |                                                                                   |                            |                             |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                                            |                                                                                   | Secondary Pattern          | Exposures                   |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER              Pattern Orientation=45.0<br>Number Of Points=2            Angle Between Sides=<br>Point Spacing=0.704          Center Pattern=false<br>Line Spacing= |                                                                                   |                            | (2)                         |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                                       | Target Coordinates                                                                | Targ. Coord. Corrections   | Fluxes                      |
|                 | (104)                                                                                                                                                                                                                                                          | SDSSJ123152.81+001033.6                                                                                                                                                                                                                    | RA: 12 31 52.8100 (187.9700417d)<br>Dec: +00 10 33.60 (.17600d)<br>Equinox: J2000 |                            | V=(?)<br>g = 20.59          |
| Exposures       |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   |                            | Miscellaneous               |
|                 | Reference Frame: ICRS                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                            |                                                                                   |                            |                             |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                                      | Target                                                                            | Config,Mode,Aperture       | Spectral Els.               |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                                      | (104) SDSSJ123152.81+001033.6                                                     | WFPC2, IMAGE, PC1          | F814W                       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   | ATD-GAIN=7;<br>CR-SPLIT=NO |                             |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   |                            |                             |
| Exposures       | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                                       | (104) SDSSJ123152.81+001033.6                                                     | WFPC2, IMAGE, PC1          | F814W                       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   | ATD-GAIN=7;<br>CR-SPLIT=NO |                             |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   |                            | Pattern 2-2 (1)             |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   |                            |                             |
| Exposures       |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   |                            | Exp. Time/[Actual Dur.]     |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   |                            | 30.0 Secs                   |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   |                            | [==>]                       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   |                            | [1]                         |
| Exposures       |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   |                            | 1200.0 Secs                 |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   |                            | [==>600.0 Secs (Pattern 1)] |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   |                            | [==>600.0 Secs (Pattern 2)] |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                   |                            | [1]                         |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                                            |                                                                                   |                            |                             |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                                            |                                                                                   |                            |                             |

# Proposal 11130 - Visit 0F - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 0F, completed</b> <span style="float: right;">Wed Nov 12 02:11:22 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (105)                                                                                                      | SDSSJ123349.91+634957.1                                                                                                                                                                                                  | RA: 12 33 49.9100 (188.4579583d)<br>Dec: +63 49 57.10 (63.83253d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.11         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                    | (105) SDSSJ123349.91+634957.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                     | (105) SDSSJ123349.91+634957.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |



# Proposal 11130 - Visit 0G - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                   |                    |                 |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|-------------------|--------------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 0G, failed <span style="float: right;">Wed Nov 12 02:11:23 GMT 2008</span>          |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                   |                    |                 |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                   |                    |                 |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                      |                          | Secondary Pattern |                    |                 |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                      |                          |                   |                    |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 |                      | Targ. Coord. Corrections |                   | Fluxes             |                 | Miscellaneous                                              |           |
|                 | (106)                                                                                                     | SDSSJ124221.62+575304.0                                                                                                                                                                                                  | RA: 12 42 21.6200 (190.5900833d)<br>Dec: +57 53 4.00 (57.88444d)<br>Equinox: J2000 |                      |                          |                   | V=(?)<br>g = 18.26 |                 | Reference Frame: ICRS                                      |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture | Spectral Els.            | Opt. Params.      | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (106) SDSSJ124221.62+575304.0                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;       |                    |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                      |                          | CR-SPLIT=NO       |                    |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (106) SDSSJ124221.62+575304.0                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;       |                    | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                      |                          | CR-SPLIT=NO       |                    |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                   |                    |                 |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                   |                    |                 |                                                            |           |

# Proposal 11130 - Visit 5K - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 5K, scheduling <span style="float: right;">Wed Nov 12 02:11:23 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                             |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                             | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                           | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                             | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (106)                                                                                                                                                                                                                                                                         | SDSSJ124221.62+575304.0                                                                                                                                                                                                  | RA: 12 42 21.6200 (190.5900833d)<br>Dec: +57 53 4.00 (57.88444d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.26 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                             | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                             | short                                                                                                                                                                                                                    | (106) SDSSJ124221.62+575304.0                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                             | long                                                                                                                                                                                                                     | (106) SDSSJ124221.62+575304.0                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Exp. 2      Overhead      Unused Visibility = 100%      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 0H - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 0H, completed</b> <span style="float: right;">Wed Nov 12 02:11:23 GMT 2008</span> |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                                            |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER              Pattern Orientation=45.0<br>Number Of Points=2            Angle Between Sides=<br>Point Spacing=0.704          Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                                       | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (107)                                                                                                      | SDSSJ125122.17+472451.7                                                                                                                                                                                                                    | RA: 12 51 22.1700 (192.8423750d)<br>Dec: +47 24 51.70 (47.41436d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.28         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                                      | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                                      | (107) SDSSJ125122.17+472451.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                                       | (107) SDSSJ125122.17+472451.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 0I - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                     |                                                                                                                                                                                                                  |                                                                                     |                      |                          |               |                            |               |                       |                             |                              |       |
|-----------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|-----------------------------|------------------------------|-------|
| Visit           | Proposal 11130, Visit 0I, completed |                                                                                                                                                                                                                  |                                                                                     |                      |                          |               |                            |               |                       |                             | Wed Nov 12 02:11:23 GMT 2008 |       |
|                 | Diagnostic Status: No Diagnostics   |                                                                                                                                                                                                                  |                                                                                     |                      |                          |               |                            |               |                       |                             |                              |       |
|                 | Scientific Instruments: WFPC2       |                                                                                                                                                                                                                  |                                                                                     |                      |                          |               |                            |               |                       |                             |                              |       |
|                 | Special Requirements: (none)        |                                                                                                                                                                                                                  |                                                                                     |                      |                          |               |                            |               |                       |                             |                              |       |
| Patterns        | #                                   | Primary Pattern                                                                                                                                                                                                  |                                                                                     |                      |                          |               | Secondary Pattern          |               |                       | Exposures                   |                              |       |
|                 | (1)                                 | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                                                                                     |                      |                          |               |                            |               |                       | (2)                         |                              |       |
| Fixed Targets   | #                                   | Name                                                                                                                                                                                                             | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                             |                              |       |
|                 | (108)                               | SDSSJ125359.62+462750.1                                                                                                                                                                                          | RA: 12 53 59.6200 (193.4984167d)<br>Dec: +46 27 50.10 (46.46392d)<br>Equinox: J2000 |                      |                          |               | V=(?)<br>g = 17.87         |               | Reference Frame: ICRS |                             |                              |       |
| Exposures       | #                                   | Label                                                                                                                                                                                                            | Target                                                                              | Config,Mode,Aperture |                          | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]     |                              | Orbit |
|                 | 1                                   | short                                                                                                                                                                                                            | (108) SDSSJ125359.62+462750.1                                                       | WFPC2, IMAGE, PC1    |                          | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs                   |                              |       |
|                 |                                     |                                                                                                                                                                                                                  |                                                                                     |                      |                          |               |                            |               |                       | [==>]                       |                              | [1]   |
|                 | 2                                   | long                                                                                                                                                                                                             | (108) SDSSJ125359.62+462750.1                                                       | WFPC2, IMAGE, PC1    |                          | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs                 |                              |       |
|                 |                                     |                                                                                                                                                                                                                  |                                                                                     |                      |                          |               |                            |               |                       | [==>600.0 Secs (Pattern 1)] |                              |       |
|                 |                                     |                                                                                                                                                                                                                  |                                                                                     |                      |                          |               |                            |               |                       | [==>600.0 Secs (Pattern 2)] |                              | [1]   |
| Orbit Structure | Orbit 1                             |                                                                                                                                                                                                                  |                                                                                     |                      |                          |               |                            |               |                       |                             |                              |       |
|                 | Server Version: 20080807            |                                                                                                                                                                                                                  |                                                                                     |                      |                          |               |                            |               |                       |                             |                              |       |
|                 |                                     |                                                                                                                                                                                                                  |                                                                                     |                      |                          |               |                            |               |                       |                             |                              |       |

# Proposal 11130 - Visit 0J - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                       |               |                 |                                                            |           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|--------------------|-----------------------|---------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 0J, withdrawn <span style="float: right;">Wed Nov 12 02:11:23 GMT 2008</span>                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                       |               |                 |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                       |               |                 |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |                    | Secondary Pattern     |               |                 |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |                    |                       |               |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes             | Miscellaneous         |               |                 |                                                            |           |
|                 | (109)                                                                                                                                                                                                                                                              | SDSSJ130716.99+450645.2                                                                                                                                                                                                  | RA: 13 07 16.9900 (196.8207917d)<br>Dec: +45 06 45.20 (45.11256d)<br>Equinox: J2000 |                          | V=(?)<br>g = 18.45 | Reference Frame: ICRS |               |                 |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.      | Opt. Params.          | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                  | short                                                                                                                                                                                                                    | (109) SDSSJ130716.99+450645.2                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |                    | CR-SPLIT=NO           |               |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                  | long                                                                                                                                                                                                                     | (109) SDSSJ130716.99+450645.2                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |                    | CR-SPLIT=NO           |               |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                       |               |                 |                                                            |           |
|                 | <p>                         GS Acq      Exp. 1      Exp. 2      Overhead      Exp. 2      Overhead      Unused Visibility = 96%      Occultation                     </p> <p>Time axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                       |               |                 |                                                            |           |

# Proposal 11130 - Visit 0K - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                            |                             |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------|-----------------------------|
| Visit           | Proposal 11130, Visit 0K, completed <span style="float: right;">Wed Nov 12 02:11:23 GMT 2008</span>                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                            |                             |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                    |                            |                             |
| Patterns        | #                                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                    | Secondary Pattern          | Exposures                   |
|                 | (1)                                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                            | (2)                         |
| Fixed Targets   | #                                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections   | Fluxes                      |
|                 | (110)                                                                                                                                                                                                                                                                          | SDSSJ130803.88+505226.7                                                                                                                                                                                                  | RA: 13 08 3.8800 (197.0161667d)<br>Dec: +50 52 26.70 (50.87408d)<br>Equinox: J2000 |                            | V=(?)<br>g = 17.62          |
| Exposures       | #                                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture       | Spectral Els.               |
|                 | 1                                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (110) SDSSJ130803.88+505226.7                                                      | WFPC2, IMAGE, PC1          | F814W                       |
|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                             |
|                 | 2                                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (110) SDSSJ130803.88+505226.7                                                      | WFPC2, IMAGE, PC1          | F814W                       |
|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                             |
|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                            | Pattern 2-2 (1)             |
|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                            | Exp. Time/[Actual Dur.]     |
|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                            | [==>]                       |
|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                            | [1]                         |
|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                            | 1200.0 Secs                 |
|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                            | [==>600.0 Secs (Pattern 1)] |
|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                            | [==>600.0 Secs (Pattern 2)] |
|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                            | [1]                         |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                            |                             |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Unused Visibility = 985      Occultation</p> <p>Overhead      Overhead</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                            |                             |

# Proposal 11130 - Visit 0L - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 0L, completed <span style="float: right;">Wed Nov 12 02:11:24 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (111)                                                                                                     | SDSSJ131303.46+633235.2                                                                                                                                                                                                  | RA: 13 13 3.4600 (198.2644167d)<br>Dec: +63 32 35.20 (63.54311d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.28         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (111) SDSSJ131303.46+633235.2                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (111) SDSSJ131303.46+633235.2                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 0M - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                    |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 0M, completed</b> <span style="float: right;">Wed Nov 12 02:11:24 GMT 2008</span>                                                                                                                                                          |                                                                                                                                                                                                                                                    |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                           |                                                                                                                                                                                                                                                    |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                   | Primary Pattern                                                                                                                                                                                                                                    |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                 | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER                  Pattern Orientation=45.0<br>Number Of Points=2              Angle Between Sides=<br>Point Spacing=0.704            Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                   | Name                                                                                                                                                                                                                                               | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (112)                                                                                                                                                                                                                                                               | SDSSJ131310.12+051942.1                                                                                                                                                                                                                            | RA: 13 13 10.1200 (198.2921667d)<br>Dec: +05 19 42.10 (5.32836d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.39         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                   | Label                                                                                                                                                                                                                                              | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                   | short                                                                                                                                                                                                                                              | (112) SDSSJ131310.12+051942.1                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                   | long                                                                                                                                                                                                                                               | (112) SDSSJ131310.12+051942.1                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                    |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                          |                                                                                                                                                                                                                                                    |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Exp. 2      Overhead      Unused Visibility = 917      Overhead      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                                                    |                                                                                    |                          |               |                            |               |                       |                                                                           |           |



# Proposal 11130 - Visit 0N - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                      |                                                                                     |                          |                                                                           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit           | Proposal 11130, Visit 0N, withdrawn <span style="float: right;">Wed Nov 12 02:11:24 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                      |                                                                                     |                          |                                                                           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                      |                                                                                     |                          |                                                                           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Primary Pattern                                                                                                                                                                                                                                      |                                                                                     | Secondary Pattern        | Exposures                                                                 |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER                  Pattern Orientation=45.0<br>Number Of Points=2              Angle Between Sides=<br>Point Spacing=0.704              Center Pattern=false<br>Line Spacing= |                                                                                     |                          | (2)                                                                       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Name                                                                                                                                                                                                                                                 | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                                    |
|                 | (113)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SDSSJ131537.07+151955.3                                                                                                                                                                                                                              | RA: 13 15 37.0700 (198.9044583d)<br>Dec: +15 19 55.30 (15.33203d)<br>Equinox: J2000 |                          | V=(?)<br>g = 18.91                                                        |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Label                                                                                                                                                                                                                                                | Target                                                                              | Config,Mode,Aperture     | Spectral Els.                                                             |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | short                                                                                                                                                                                                                                                | (113) SDSSJ131537.07+151955.3                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                      |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | long                                                                                                                                                                                                                                                 | (113) SDSSJ131537.07+151955.3                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                      |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                      |                                                                                     |                          | Pattern 2-2 (1)                                                           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                      |                                                                                     |                          | Exp. Time/[Actual Dur.]<br>30.0 Secs<br>[==>]                             |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                      |                                                                                     |                          | Orbit<br>[1]                                                              |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                      |                                                                                     |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |                                                                                     |                          |                                                                           |
|                 | <p>Timeline details:</p> <ul style="list-style-type: none"> <li>0 to ~400s: Blue checkered segment (Observation)</li> <li>~400s to ~600s: Green segment (Exp. 1)</li> <li>~600s to ~1300s: Blue checkered segment (Observation)</li> <li>~1300s to ~1400s: Green segment (Pointing Maneuver)</li> <li>~1400s to ~1500s: Green segment (Overhead)</li> <li>~1500s to ~2200s: Blue checkered segment (Observation)</li> <li>~2200s to ~2300s: Green segment (Overhead)</li> <li>~2300s to ~3200s: White segment (Unused Visibility = 929)</li> <li>~3200s to 5500s: White segment (Occultation)</li> </ul> |                                                                                                                                                                                                                                                      |                                                                                     |                          |                                                                           |

# Proposal 11130 - Visit 00 - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 00, completed</b> <span style="float: right;">Wed Nov 12 02:11:24 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (114)                                                                                                      | SDSSJ131651.29+055646.9                                                                                                                                                                                                  | RA: 13 16 51.2900 (199.2137083d)<br>Dec: +05 56 46.90 (5.94636d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.23         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                    | (114) SDSSJ131651.29+055646.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                     | (114) SDSSJ131651.29+055646.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;"><b>Server Version: 20080807</b></span>                          |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 0P - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

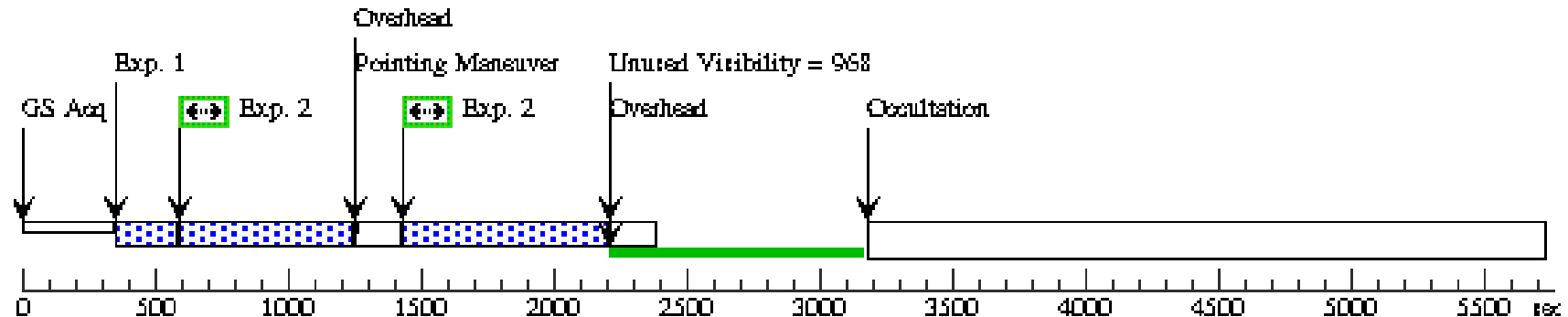
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 0P, withdrawn <span style="float: right;">Wed Nov 12 02:11:24 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                   | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                 | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                   | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (115)                                                                                               | SDSSJ131659.37+035319.8                                                                                                                                                                                                  | RA: 13 16 59.3700 (199.2473750d)<br>Dec: +03 53 19.80 (3.88883d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.86         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                   | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                   | short                                                                                                                                                                                                                    | (115) SDSSJ131659.37+035319.8                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                   | long                                                                                                                                                                                                                     | (115) SDSSJ131659.37+035319.8                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | Orbit 1 <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 0Q - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit         | Proposal 11130, Visit 0Q, withdrawn <span style="float: right;">Wed Nov 12 02:11:24 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|               | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
| Patterns      | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     | Secondary Pattern        | Exposures                                                                 |
|               | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          | (2)                                                                       |
| Fixed Targets | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                                    |
|               | (116)                                                                                                     | SDSSJ131715.12+484630.2                                                                                                                                                                                                  | RA: 13 17 15.1200 (199.3130000d)<br>Dec: +48 46 30.20 (48.77506d)<br>Equinox: J2000 |                          | V=(?)<br>g = 18.76                                                        |
| Exposures     | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.                                                             |
|               | 1                                                                                                         | short                                                                                                                                                                                                                    | (116) SDSSJ131715.12+484630.2                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Opt. Params.                                                              |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Special Reqs.                                                             |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Groups                                                                    |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Pattern 2-2 (1)                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]                                                   |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | 30.0 Secs<br>[==>]                                                        |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Orbit                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | [1]                                                                       |
|               | 2                                                                                                         | long                                                                                                                                                                                                                     | (116) SDSSJ131715.12+484630.2                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Special Reqs.                                                             |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Groups                                                                    |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]                                                   |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Orbit                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | [1]                                                                       |

Orbit 1

Server Version: 20080807



# Proposal 11130 - Visit 0R - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 0R, completed</b> <span style="float: right;">Wed Nov 12 02:11:25 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (117)                                                                                                      | SDSSJ131926.52+105610.9                                                                                                                                                                                                  | RA: 13 19 26.5200 (199.8605000d)<br>Dec: +10 56 10.90 (10.93636d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.20         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                    | (117) SDSSJ131926.52+105610.9                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                     | (117) SDSSJ131926.52+105610.9                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;"><b>Server Version: 20080807</b></span>                          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 0S - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------|
| Visit           | Proposal 11130, Visit 0S, withdrawn <span style="float: right;">Wed Nov 12 02:11:25 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                         |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                         |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     | Secondary Pattern        | Exposures                                                               |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          | (2)                                                                     |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                                  |
|                 | (118)                                                                                                     | SDSSJ132224.40+422643.3                                                                                                                                                                                                  | RA: 13 22 24.4000 (200.6016667d)<br>Dec: +42 26 43.30 (42.44536d)<br>Equinox: J2000 |                          | V=(?)<br>g = 17.88                                                      |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.                                                           |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (118) SDSSJ132224.40+422643.3                                                       | WFPC2, IMAGE, PC1        | F814W                                                                   |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Opt. Params.                                                            |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                              |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Special Reqs.                                                           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                         |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Groups                                                                  |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Pattern 2-2 (1)                                                         |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]                                                 |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | 30.0 Secs<br>[=>]                                                       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Orbit                                                                   |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | [1]                                                                     |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (118) SDSSJ132224.40+422643.3                                                       | WFPC2, IMAGE, PC1        | F814W                                                                   |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                              |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]                                                 |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | 1200.0 Secs<br>[=>600.0 Secs (Pattern 1)]<br>[=>600.0 Secs (Pattern 2)] |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Orbit                                                                   |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | [1]                                                                     |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                         |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                         |

# Proposal 11130 - Visit 0T - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                       |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |  |                       |                 |                                                                           |       |
|-----------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|---------------|----------------------------|--|-----------------------|-----------------|---------------------------------------------------------------------------|-------|
| Visit           | Proposal 11130, Visit 0T, withdrawn                   |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |  |                       |                 | Wed Nov 12 02:11:25 GMT 2008                                              |       |
|                 | Diagnostic Status: No Diagnostics                     |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |  |                       |                 |                                                                           |       |
|                 | Scientific Instruments: WFPC2                         |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |  |                       |                 |                                                                           |       |
|                 | Special Requirements: (none)                          |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |  |                       |                 |                                                                           |       |
| Patterns        | #                                                     | Primary Pattern                                                                                                                                                                                                  |                                                                                    |                      |                          |               | Secondary Pattern          |  |                       | Exposures       |                                                                           |       |
|                 | (1)                                                   | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                                                                                    |                      |                          |               |                            |  |                       | (2)             |                                                                           |       |
| Fixed Targets   | #                                                     | Name                                                                                                                                                                                                             | Target Coordinates                                                                 |                      | Targ. Coord. Corrections |               | Fluxes                     |  | Miscellaneous         |                 |                                                                           |       |
|                 | (119)                                                 | SDSSJ132428.24+044629.6                                                                                                                                                                                          | RA: 13 24 28.2400 (201.1176667d)<br>Dec: +04 46 29.60 (4.77489d)<br>Equinox: J2000 |                      |                          |               | V=(?)<br>g = 16.10         |  | Reference Frame: ICRS |                 |                                                                           |       |
| Exposures       | #                                                     | Label                                                                                                                                                                                                            | Target                                                                             | Config,Mode,Aperture |                          | Spectral Els. | Opt. Params.               |  | Special Reqs.         | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit |
|                 | 1                                                     | short                                                                                                                                                                                                            | (119) SDSSJ132428.24+044629.6                                                      | WFPC2, IMAGE, PC1    |                          | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                       |                 | 30.0 Secs<br>[==>]                                                        | [1]   |
|                 | 2                                                     | long                                                                                                                                                                                                             | (119) SDSSJ132428.24+044629.6                                                      | WFPC2, IMAGE, PC1    |                          | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                       | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]   |
|                 |                                                       |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |  |                       |                 |                                                                           |       |
| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div></div> |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |  |                       |                 |                                                                           |       |

# Proposal 11130 - Visit 0U - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                  |                                                                                                         |                               |                                                                                    |  |  |  |                          |  |                            |                              |                                                                                                       |  |                 |  |                             |  |       |  |  |  |           |  |
|-----------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------|--|--|--|--------------------------|--|----------------------------|------------------------------|-------------------------------------------------------------------------------------------------------|--|-----------------|--|-----------------------------|--|-------|--|--|--|-----------|--|
| Visit           | Proposal 11130, Visit 0U, scheduling                             |                                                                                                         |                               |                                                                                    |  |  |  |                          |  |                            | Wed Nov 12 02:11:25 GMT 2008 |                                                                                                       |  |                 |  |                             |  |       |  |  |  |           |  |
|                 | Diagnostic Status: No Diagnostics                                |                                                                                                         |                               |                                                                                    |  |  |  |                          |  |                            |                              |                                                                                                       |  |                 |  |                             |  |       |  |  |  |           |  |
|                 | Scientific Instruments: WFPC2                                    |                                                                                                         |                               |                                                                                    |  |  |  |                          |  |                            |                              |                                                                                                       |  |                 |  |                             |  |       |  |  |  |           |  |
|                 | Special Requirements: (none)                                     |                                                                                                         |                               |                                                                                    |  |  |  |                          |  |                            |                              |                                                                                                       |  |                 |  |                             |  |       |  |  |  |           |  |
| Patterns        | #                                                                | Primary Pattern                                                                                         |                               |                                                                                    |  |  |  |                          |  |                            |                              | Secondary Pattern                                                                                     |  |                 |  |                             |  |       |  |  |  | Exposures |  |
|                 | (1)                                                              | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing= |                               |                                                                                    |  |  |  |                          |  |                            |                              | Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |  |                 |  |                             |  |       |  |  |  | (2)       |  |
| Fixed Targets   | #                                                                | Name                                                                                                    |                               | Target Coordinates                                                                 |  |  |  | Targ. Coord. Corrections |  |                            |                              | Fluxes                                                                                                |  |                 |  | Miscellaneous               |  |       |  |  |  |           |  |
|                 | (120)                                                            | SDSSJ132504.63+542942.4                                                                                 |                               | RA: 13 25 4.6300 (201.2692917d)<br>Dec: +54 29 42.40 (54.49511d)<br>Equinox: J2000 |  |  |  |                          |  |                            |                              | V=(?)<br>g = 18.56                                                                                    |  |                 |  | Reference Frame: ICRS       |  |       |  |  |  |           |  |
| Exposures       | #                                                                | Label                                                                                                   | Target                        | Config,Mode,Aperture                                                               |  |  |  | Spectral Els.            |  | Opt. Params.               |                              | Special Reqs.                                                                                         |  | Groups          |  | Exp. Time/[Actual Dur.]     |  | Orbit |  |  |  |           |  |
|                 | 1                                                                | short                                                                                                   | (120) SDSSJ132504.63+542942.4 | WFPC2, IMAGE, PC1                                                                  |  |  |  | F814W                    |  | ATD-GAIN=7;<br>CR-SPLIT=NO |                              |                                                                                                       |  |                 |  | 30.0 Secs                   |  |       |  |  |  |           |  |
|                 |                                                                  |                                                                                                         |                               |                                                                                    |  |  |  |                          |  |                            |                              |                                                                                                       |  |                 |  | [==>]                       |  | [1]   |  |  |  |           |  |
|                 | 2                                                                | long                                                                                                    | (120) SDSSJ132504.63+542942.4 | WFPC2, IMAGE, PC1                                                                  |  |  |  | F814W                    |  | ATD-GAIN=7;<br>CR-SPLIT=NO |                              |                                                                                                       |  | Pattern 2-2 (1) |  | 1200.0 Secs                 |  |       |  |  |  |           |  |
|                 |                                                                  |                                                                                                         |                               |                                                                                    |  |  |  |                          |  |                            |                              |                                                                                                       |  |                 |  | [==>600.0 Secs (Pattern 1)] |  |       |  |  |  |           |  |
|                 |                                                                  |                                                                                                         |                               |                                                                                    |  |  |  |                          |  |                            |                              |                                                                                                       |  |                 |  | [==>600.0 Secs (Pattern 2)] |  | [1]   |  |  |  |           |  |
| Orbit Structure | <div><div>Orbit 1</div><div>Server Version: 20080807</div></div> |                                                                                                         |                               |                                                                                    |  |  |  |                          |  |                            |                              |                                                                                                       |  |                 |  |                             |  |       |  |  |  |           |  |
|                 |                                                                  |                                                                                                         |                               |                                                                                    |  |  |  |                          |  |                            |                              |                                                                                                       |  |                 |  |                             |  |       |  |  |  |           |  |



# Proposal 11130 - Visit 0V - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 0V, withdrawn <span style="float: right;">Wed Nov 12 02:11:25 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (121)                                                                                                     | SDSSJ133921.95+544527.7                                                                                                                                                                                                  | RA: 13 39 21.9500 (204.8414583d)<br>Dec: +54 45 27.70 (54.75769d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.67         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (121) SDSSJ133921.95+544527.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        |           |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (121) SDSSJ133921.95+544527.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 0W - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 0W, withdrawn <span style="float: right;">Wed Nov 12 02:11:25 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (122)                                                                                                     | SDSSJ133928.49+403229.8                                                                                                                                                                                                  | RA: 13 39 28.4900 (204.8687083d)<br>Dec: +40 32 29.80 (40.54161d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.28 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (122) SDSSJ133928.49+403229.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (122) SDSSJ133928.49+403229.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 0X - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                             |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|-----------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 0X, completed</b> <span style="float: right;">Wed Nov 12 02:11:25 GMT 2008</span>                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                             |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                             |           |
| Patterns        | #                                                                                                                                                                                                                                                                | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern  |               |                       |                             | Exposures |
|                 | (1)                                                                                                                                                                                                                                                              | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                    |               |                       |                             | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                             |           |
|                 | (123)                                                                                                                                                                                                                                                            | SDSSJ134144.51-005832.9                                                                                                                                                                                                  | RA: 13 41 44.5100 (205.4354583d)<br>Dec: -00 58 32.90 (-.97581d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.38 |               | Reference Frame: ICRS |                             |           |
| Exposures       | #                                                                                                                                                                                                                                                                | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]     | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                | short                                                                                                                                                                                                                    | (123) SDSSJ134144.51-005832.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                   |           |
|                 |                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>]                       | [1]       |
|                 | 2                                                                                                                                                                                                                                                                | long                                                                                                                                                                                                                     | (123) SDSSJ134144.51-005832.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                 |           |
|                 |                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       | [==>600.0 Secs (Pattern 1)] |           |
|                 |                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       | [==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                             |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                             |           |

# Proposal 11130 - Visit 0Y - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 0Y, completed <span style="float: right;">Wed Nov 12 02:11:26 GMT 2008</span>                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                    | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                  | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                    | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (124)                                                                                                                                                                                                                                | SDSSJ134738.23+474301.9                                                                                                                                                                                                  | RA: 13 47 38.2300 (206.9092917d)<br>Dec: +47 43 1.90 (47.71719d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.69         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                    | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                    | short                                                                                                                                                                                                                    | (124) SDSSJ134738.23+474301.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                    | long                                                                                                                                                                                                                     | (124) SDSSJ134738.23+474301.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Overhead      Unused Visibility = 96%      Occultation</p> <p>Timeline (seconds): 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 0Z - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 0Z, completed <span style="float: right;">Wed Nov 12 02:11:26 GMT 2008</span>                                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                             | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                           | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                             | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (125)                                                                                                                                                                                                                                                                         | SDSSJ135724.52+652505.8                                                                                                                                                                                                  | RA: 13 57 24.5200 (209.3521667d)<br>Dec: +65 25 5.80 (65.41828d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.41         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                             | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                             | short                                                                                                                                                                                                                    | (125) SDSSJ135724.52+652505.8                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                             | long                                                                                                                                                                                                                     | (125) SDSSJ135724.52+652505.8                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Exp. 2      Overhead      Unused Visibility = 1066      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 1A - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1A, withdrawn <span style="float: right;">Wed Nov 12 02:11:26 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (126)                                                                                                     | SDSSJ140702.43+135537.7                                                                                                                                                                                                  | RA: 14 07 2.4300 (211.7601250d)<br>Dec: +13 55 37.70 (13.92714d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.57         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (126) SDSSJ140702.43+135537.7                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (126) SDSSJ140702.43+135537.7                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 1B - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1B, withdrawn <span style="float: right;">Wed Nov 12 02:11:26 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                             |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (127)                                                                                                                                                                                                                                                                        | SDSSJ140724.24+464143.5                                                                                                                                                                                                  | RA: 14 07 24.2400 (211.8510000d)<br>Dec: +46 41 43.50 (46.69542d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.40 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (127) SDSSJ140724.24+464143.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (127) SDSSJ140724.24+464143.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 96%      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 1C - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 1C, completed</b> <span style="float: right;">Wed Nov 12 02:11:26 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Primary Pattern                                                                                                                                                                                                                            |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER              Pattern Orientation=45.0<br>Number Of Points=2            Angle Between Sides=<br>Point Spacing=0.704          Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Name                                                                                                                                                                                                                                       | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (128)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SDSSJ140829.26+562823.5                                                                                                                                                                                                                    | RA: 14 08 29.2600 (212.1219167d)<br>Dec: +56 28 23.50 (56.47319d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.23         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Label                                                                                                                                                                                                                                      | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | short                                                                                                                                                                                                                                      | (128) SDSSJ140829.26+562823.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | long                                                                                                                                                                                                                                       | (128) SDSSJ140829.26+562823.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;"><b>Server Version: 20080807</b></span>                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>The diagram illustrates the timeline of Orbit 1. It starts with 'GS Acq' at 0 seconds. 'Exp. 1' occurs at approximately 300 seconds. 'Exp. 2' occurs at approximately 600 seconds and 1400 seconds. A 'Pointing Maneuver' is scheduled at approximately 1200 seconds. 'Overhead' periods are indicated at approximately 2200 seconds and from 3200 seconds onwards. A segment from 2200 to 3200 seconds is labeled 'Unused Visibility = 100%'. The timeline ends at 5500 seconds.</p> |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |



# Proposal 11130 - Visit 1D - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1D, scheduling <span style="float: right;">Wed Nov 12 02:11:27 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (129)                                                                                                                                                                                                             | SDSSJ140837.47+643128.6                                                                                                                                                                                                  | RA: 14 08 37.4700 (212.1561250d)<br>Dec: +64 31 28.60 (64.52461d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.66         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (129) SDSSJ140837.47+643128.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (129) SDSSJ140837.47+643128.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <div> <div>Orbit 1</div> <div>Server Version: 20080807</div> </div>                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 1E - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1E, completed <span style="float: right;">Wed Nov 12 02:11:27 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (130)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SDSSJ141635.20+552853.6                                                                                                                                                                                                  | RA: 14 16 35.2000 (214.1466667d)<br>Dec: +55 28 53.60 (55.48156d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.89 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | short                                                                                                                                                                                                                    | (130) SDSSJ141635.20+552853.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | long                                                                                                                                                                                                                     | (130) SDSSJ141635.20+552853.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <p>The diagram illustrates the sequence of events for Orbit 1. It starts with 'GS Acq' at 0 seconds, followed by 'Exp. 1' (blue checkered bar) and 'Exp. 2' (green bar with crosshairs). After a 'Pointing Maneuver' and 'Overhead' (green bar), another 'Exp. 2' and 'Overhead' occur. This is followed by a period of 'Unused Visibility = 100%' (white bar) and finally 'Occultation' (white bar) which lasts until 5500 seconds. The x-axis is labeled 'sec' and ranges from 0 to 5500.</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 1F - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                  |                               |                                                                                    |  |  |  |                          |  |                            |                              |                    |  |                 |  |                             |  |       |  |  |  |           |  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------|--|--|--|--------------------------|--|----------------------------|------------------------------|--------------------|--|-----------------|--|-----------------------------|--|-------|--|--|--|-----------|--|
| Visit           | Proposal 11130, Visit 1F, scheduling                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                  |                               |                                                                                    |  |  |  |                          |  |                            | Wed Nov 12 02:11:27 GMT 2008 |                    |  |                 |  |                             |  |       |  |  |  |           |  |
|                 | Diagnostic Status: No Diagnostics                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                  |                               |                                                                                    |  |  |  |                          |  |                            |                              |                    |  |                 |  |                             |  |       |  |  |  |           |  |
|                 | Scientific Instruments: WFPC2                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                  |                               |                                                                                    |  |  |  |                          |  |                            |                              |                    |  |                 |  |                             |  |       |  |  |  |           |  |
|                 | Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                  |                               |                                                                                    |  |  |  |                          |  |                            |                              |                    |  |                 |  |                             |  |       |  |  |  |           |  |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                          | Primary Pattern                                                                                                                                                                                                  |                               |                                                                                    |  |  |  |                          |  |                            |                              | Secondary Pattern  |  |                 |  |                             |  |       |  |  |  | Exposures |  |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                        | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                               |                                                                                    |  |  |  |                          |  |                            |                              |                    |  |                 |  |                             |  |       |  |  |  | (2)       |  |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                          | Name                                                                                                                                                                                                             |                               | Target Coordinates                                                                 |  |  |  | Targ. Coord. Corrections |  |                            |                              | Fluxes             |  |                 |  | Miscellaneous               |  |       |  |  |  |           |  |
|                 | (131)                                                                                                                                                                                                                                                                                                                                                                                                      | SDSSJ142119.12+631300.2                                                                                                                                                                                          |                               | RA: 14 21 19.1200 (215.3296667d)<br>Dec: +63 13 0.20 (63.21672d)<br>Equinox: J2000 |  |  |  |                          |  |                            |                              | V=(?)<br>g = 19.25 |  |                 |  | Reference Frame: ICRS       |  |       |  |  |  |           |  |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                          | Label                                                                                                                                                                                                            | Target                        | Config,Mode,Aperture                                                               |  |  |  | Spectral Els.            |  | Opt. Params.               |                              | Special Reqs.      |  | Groups          |  | Exp. Time/[Actual Dur.]     |  | Orbit |  |  |  |           |  |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                          | short                                                                                                                                                                                                            | (131) SDSSJ142119.12+631300.2 | WFPC2, IMAGE, PC1                                                                  |  |  |  | F814W                    |  | ATD-GAIN=7;<br>CR-SPLIT=NO |                              |                    |  |                 |  | 30.0 Secs                   |  |       |  |  |  |           |  |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                  |                               |                                                                                    |  |  |  |                          |  |                            |                              |                    |  |                 |  | [==>]                       |  | [1]   |  |  |  |           |  |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                          | long                                                                                                                                                                                                             | (131) SDSSJ142119.12+631300.2 | WFPC2, IMAGE, PC1                                                                  |  |  |  | F814W                    |  | ATD-GAIN=7;<br>CR-SPLIT=NO |                              |                    |  | Pattern 2-2 (1) |  | 1200.0 Secs                 |  |       |  |  |  |           |  |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                  |                               |                                                                                    |  |  |  |                          |  |                            |                              |                    |  |                 |  | [==>600.0 Secs (Pattern 1)] |  |       |  |  |  |           |  |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                  |                               |                                                                                    |  |  |  |                          |  |                            |                              |                    |  |                 |  | [==>600.0 Secs (Pattern 2)] |  | [1]   |  |  |  |           |  |
| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div><p>Timeline details:</p><ul style="list-style-type: none"><li>0 - 50s: GS Acq</li><li>50 - 100s: Exp. 1</li><li>100 - 150s: Exp. 2</li><li>150 - 180s: Overhead</li><li>180 - 220s: Pointing Maneuver</li><li>220 - 270s: Exp. 2</li><li>270 - 300s: Overhead</li><li>300 - 320s: Unused Visibility = 102%</li><li>320 - 5500s: Occultation</li></ul></div> |                                                                                                                                                                                                                  |                               |                                                                                    |  |  |  |                          |  |                            |                              |                    |  |                 |  |                             |  |       |  |  |  |           |  |

# Proposal 11130 - Visit 1G - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1G, completed <span style="float: right;">Wed Nov 12 02:11:27 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (132)                                                                                                     | SDSSJ142543.20+344952.9                                                                                                                                                                                                  | RA: 14 25 43.2000 (216.4300000d)<br>Dec: +34 49 52.90 (34.83136d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.43         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (132) SDSSJ142543.20+344952.9                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (132) SDSSJ142543.20+344952.9                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 1H - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1H, completed <span style="float: right;">Wed Nov 12 02:11:27 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (133)                                                                                                     | SDSSJ143010.83+572202.0                                                                                                                                                                                                  | RA: 14 30 10.8300 (217.5451250d)<br>Dec: +57 22 2.00 (57.36722d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.34         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (133) SDSSJ143010.83+572202.0                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (133) SDSSJ143010.83+572202.0                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 1I - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit           | Proposal 11130, Visit 1I, completed <span style="float: right;">Wed Nov 12 02:11:27 GMT 2008</span>                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                        | Primary Pattern                                                                                                                                                                                                          |                                                                                     | Secondary Pattern        | Exposures                                                                 |
|                 | (1)                                                                                                                                                                                                                                                                                                                      | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          | (2)                                                                       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                        | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                                    |
|                 | (134)                                                                                                                                                                                                                                                                                                                    | SDSSJ143310.54+525830.5                                                                                                                                                                                                  | RA: 14 33 10.5400 (218.2939167d)<br>Dec: +52 58 30.50 (52.97514d)<br>Equinox: J2000 |                          | V=(?)<br>g = 17.66                                                        |
| Exposures       | #                                                                                                                                                                                                                                                                                                                        | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.                                                             |
|                 | 1                                                                                                                                                                                                                                                                                                                        | short                                                                                                                                                                                                                    | (134) SDSSJ143310.54+525830.5                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 | 2                                                                                                                                                                                                                                                                                                                        | long                                                                                                                                                                                                                     | (134) SDSSJ143310.54+525830.5                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          | Groups: Pattern 2-2 (1)                                                   |
|                 |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]<br>30.0 Secs<br>[==>]                             |
|                 |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|                 | <p>Timeline details:</p> <ul style="list-style-type: none"> <li>0s: GS Acq</li> <li>~300s: Exp. 1</li> <li>~600s: Exp. 2</li> <li>~1200s: Pointing Maneuver</li> <li>~1400s: Exp. 2</li> <li>~1500s: Overhead</li> <li>~2200s: Unused Visibility = 985</li> <li>~2300s: Overhead</li> <li>~3200s: Occultation</li> </ul> |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |

# Proposal 11130 - Visit 1J - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                      |               |                       |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1J, withdrawn <span style="float: right;">Wed Nov 12 02:11:27 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                      |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                      |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern    |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                              | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                      |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes               |               | Miscellaneous         |                                                            |           |
|                 | (135)                                                                                                                                                                                                            | SDSSJ124916.88-013252.1                                                                                                                                                                                                  | RA: 12 49 16.8800 (192.3203333d)<br>Dec: -01 32 52.10 (-1.54781d)<br>Equinox: J2000 |                          |               | V=(?)<br>i = 17.4668 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.         | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                | short                                                                                                                                                                                                                    | (135) SDSSJ124916.88-013252.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;          |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO          |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                | long                                                                                                                                                                                                                     | (135) SDSSJ124916.88-013252.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;          |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO          |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                      |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                      |               |                       |                                                            |           |

# Proposal 11130 - Visit 1K - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1K, completed <span style="float: right;">Wed Nov 12 02:11:28 GMT 2008</span>                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (136)                                                                                                                                                                                                                                                                        | SDSSJ143552.31+341345.5                                                                                                                                                                                                  | RA: 14 35 52.3100 (218.9679583d)<br>Dec: +34 13 45.50 (34.22931d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.10 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (136) SDSSJ143552.31+341345.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (136) SDSSJ143552.31+341345.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 937      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

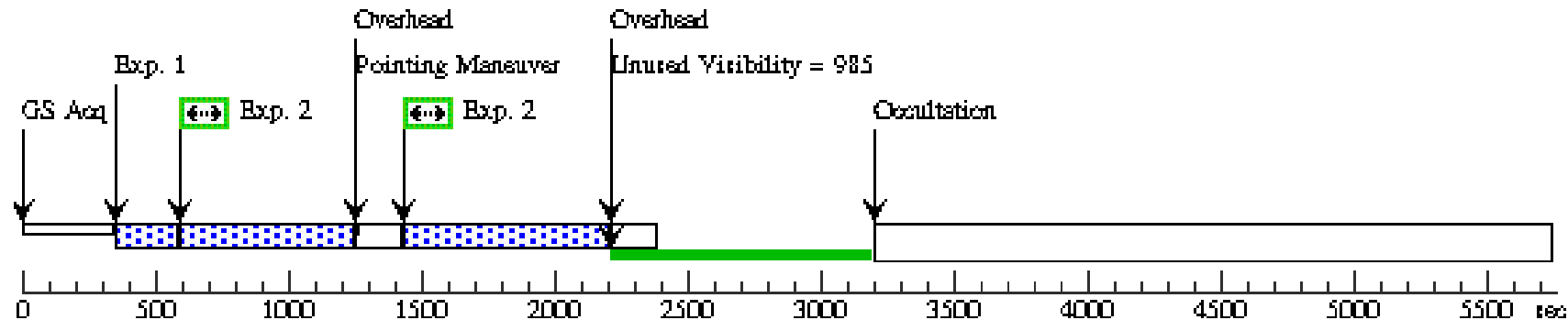


# Proposal 11130 - Visit 1L - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit         | Proposal 11130, Visit 1L, completed <span style="float: right;">Wed Nov 12 02:11:28 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|               | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
| Patterns      | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     | Secondary Pattern        | Exposures                                                                 |
|               | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          | (2)                                                                       |
| Fixed Targets | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                                    |
|               | (137)                                                                                                     | SDSSJ143713.54+545818.6                                                                                                                                                                                                  | RA: 14 37 13.5400 (219.3064167d)<br>Dec: +54 58 18.60 (54.97183d)<br>Equinox: J2000 |                          | V=(?)<br>g = 17.75                                                        |
| Exposures     | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.                                                             |
|               | 1                                                                                                         | short                                                                                                                                                                                                                    | (137) SDSSJ143713.54+545818.6                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Opt. Params.                                                              |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Special Reqs.                                                             |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Groups                                                                    |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Pattern 2-2 (1)                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]                                                   |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | 30.0 Secs<br>[==>]                                                        |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Orbit                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | [1]                                                                       |
|               | 2                                                                                                         | long                                                                                                                                                                                                                     | (137) SDSSJ143713.54+545818.6                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]                                                   |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Orbit                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | [1]                                                                       |

Orbit 1

Server Version: 20080807



# Proposal 11130 - Visit 1M - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit           | Proposal 11130, Visit 1M, withdrawn <span style="float: right;">Wed Nov 12 02:11:28 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    | Secondary Pattern        | Exposures                                                                 |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          | (2)                                                                       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes                                                                    |
|                 | (138)                                                                                                     | SDSSJ144052.60-023506.2                                                                                                                                                                                                  | RA: 14 40 52.6000 (220.2191667d)<br>Dec: -02 35 6.20 (-2.58506d)<br>Equinox: J2000 |                          | V=(?)<br>g = 16.10                                                        |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els.                                                             |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (138) SDSSJ144052.60-023506.2                                                      | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Opt. Params.                                                              |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Special Reqs.                                                             |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Groups                                                                    |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Pattern 2-2 (1)                                                           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Exp. Time/[Actual Dur.]                                                   |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | 30.0 Secs<br>[==>]                                                        |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Orbit                                                                     |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | [1]                                                                       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (138) SDSSJ144052.60-023506.2                                                      | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Exp. Time/[Actual Dur.]                                                   |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Orbit                                                                     |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | [1]                                                                       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |

# Proposal 11130 - Visit 1N - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1N, completed <span style="float: right;">Wed Nov 12 02:11:28 GMT 2008</span>                                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                           | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                         | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                           | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (139)                                                                                                                                                                                                                                                                                       | SDSSJ144249.70+611137.7                                                                                                                                                                                                  | RA: 14 42 49.7000 (220.7070833d)<br>Dec: +61 11 37.70 (61.19381d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.14         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                           | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                           | short                                                                                                                                                                                                                    | (139) SDSSJ144249.70+611137.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                           | long                                                                                                                                                                                                                     | (139) SDSSJ144249.70+611137.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 102%      Overhead      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 1O - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1O, completed <span style="float: right;">Wed Nov 12 02:11:28 GMT 2008</span>                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                              | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (140)                                                                                                                                                                                                                                                            | SDSSJ134249.26+482723.6                                                                                                                                                                                                  | RA: 13 42 49.2600 (205.7052500d)<br>Dec: +48 27 23.60 (48.45656d)<br>Equinox: J2000 |                          |               | V=(?)<br>i = 17.5222       |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                | short                                                                                                                                                                                                                    | (140) SDSSJ134249.26+482723.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        |           |
|                 | 2                                                                                                                                                                                                                                                                | long                                                                                                                                                                                                                     | (140) SDSSJ134249.26+482723.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 96%      Overhead      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 1P - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1P, withdrawn <span style="float: right;">Wed Nov 12 02:11:28 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                   | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                 | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                   | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (141)                                                                                               | SDSSJ145045.54-014752.8                                                                                                                                                                                                  | RA: 14 50 45.5400 (222.6897500d)<br>Dec: -01 47 52.80 (-1.79800d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.66 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                   | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                   | short                                                                                                                                                                                                                    | (141) SDSSJ145045.54-014752.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                   | long                                                                                                                                                                                                                     | (141) SDSSJ145045.54-014752.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | Orbit 1 <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 1Q - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1Q, completed <span style="float: right;">Wed Nov 12 02:11:28 GMT 2008</span>                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                     | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                   | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                     | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (142)                                                                                                                                                                                                                                                 | SDSSJ150648.85+341306.7                                                                                                                                                                                                  | RA: 15 06 48.8500 (226.7035417d)<br>Dec: +34 13 6.70 (34.21853d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.66         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                     | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                     | short                                                                                                                                                                                                                    | (142) SDSSJ150648.85+341306.7                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                     | long                                                                                                                                                                                                                     | (142) SDSSJ150648.85+341306.7                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Exp. 2      Overhead      Unused Visibility = 937      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 1R - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit           | Proposal 11130, Visit 1R, withdrawn <span style="float: right;">Wed Nov 12 02:11:28 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    | Secondary Pattern        | Exposures                                                                 |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          | (2)                                                                       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes                                                                    |
|                 | (143)                                                                                                     | SDSSJ152325.78+395902.3                                                                                                                                                                                                  | RA: 15 23 25.7800 (230.8574167d)<br>Dec: +39 59 2.30 (39.98397d)<br>Equinox: J2000 |                          | V=(?)<br>g = 17.55                                                        |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els.                                                             |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (143) SDSSJ152325.78+395902.3                                                      | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (143) SDSSJ152325.78+395902.3                                                      | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Pattern 2-2 (1)                                                           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Exp. Time/[Actual Dur.]<br>30.0 Secs<br>[==>]                             |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Orbit<br>[1]                                                              |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |

# Proposal 11130 - Visit 1S - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1S, completed <span style="float: right;">Wed Nov 12 02:11:29 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (144)                                                                                                     | SDSSJ153425.59+040806.7                                                                                                                                                                                                  | RA: 15 34 25.5900 (233.6066250d)<br>Dec: +04 08 6.70 (4.13519d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.50 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (144) SDSSJ153425.59+040806.7                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (144) SDSSJ153425.59+040806.7                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |



# Proposal 11130 - Visit 1T - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                            |                            |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------|----------------------------|
| Visit           | Proposal 11130, Visit 1T, withdrawn <span style="float: right;">Wed Nov 12 02:11:29 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                            |                            |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                            |                            |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     | Secondary Pattern          | Exposures                  |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                            | (2)                        |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections   | Fluxes                     |
|                 | (145)                                                                                                     | SDSSJ153656.44+312248.1                                                                                                                                                                                                  | RA: 15 36 56.4400 (234.2351667d)<br>Dec: +31 22 48.10 (31.38003d)<br>Equinox: J2000 |                            | V=(?)<br>g = 17.55         |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture       | Spectral Els.              |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (145) SDSSJ153656.44+312248.1                                                       | WFPC2, IMAGE, PC1          | F814W                      |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     | Opt. Params.               | Special Reqs.              |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     | ATD-GAIN=7;<br>CR-SPLIT=NO |                            |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     | Groups                     | Exp. Time/[Actual Dur.]    |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                            | 30.0 Secs                  |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                            | [=>]                       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                            | [1]                        |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (145) SDSSJ153656.44+312248.1                                                       | WFPC2, IMAGE, PC1          | F814W                      |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     | Opt. Params.               | Special Reqs.              |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     | ATD-GAIN=7;<br>CR-SPLIT=NO |                            |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     | Pattern 2-2 (1)            | 1200.0 Secs                |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                            | [=>600.0 Secs (Pattern 1)] |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                            | [=>600.0 Secs (Pattern 2)] |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                            | [1]                        |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                            |                            |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                            |                            |

# Proposal 11130 - Visit 1U - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1U, withdrawn <span style="float: right;">Wed Nov 12 02:11:29 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (146)                                                                                                     | SDSSJ154150.85+310037.2                                                                                                                                                                                                  | RA: 15 41 50.8500 (235.4618750d)<br>Dec: +31 00 37.20 (31.01033d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.18         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (146) SDSSJ154150.85+310037.2                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        |           |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (146) SDSSJ154150.85+310037.2                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 1V - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1V, withdrawn <span style="float: right;">Wed Nov 12 02:11:29 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (147)                                                                                                     | SDSSJ154257.49+030653.2                                                                                                                                                                                                  | RA: 15 42 57.4900 (235.7395417d)<br>Dec: +03 06 53.20 (3.11478d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 17.62         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (147) SDSSJ154257.49+030653.2                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (147) SDSSJ154257.49+030653.2                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 1W - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit           | Proposal 11130, Visit 1W, completed <span style="float: right;">Wed Nov 12 02:11:29 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     | Secondary Pattern        | Exposures                                                                 |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          | (2)                                                                       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                                    |
|                 | (148)                                                                                                     | SDSSJ154623.62+475122.2                                                                                                                                                                                                  | RA: 15 46 23.6200 (236.5984167d)<br>Dec: +47 51 22.20 (47.85617d)<br>Equinox: J2000 |                          | V=?<br>g = 18.33                                                          |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.                                                             |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (148) SDSSJ154623.62+475122.2                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Opt. Params.                                                              |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Special Reqs.                                                             |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Groups                                                                    |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Pattern 2-2 (1)                                                           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]                                                   |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | 30.0 Secs<br>[==>]                                                        |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Orbit                                                                     |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | [1]                                                                       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (148) SDSSJ154623.62+475122.2                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]                                                   |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | Orbit                                                                     |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          | [1]                                                                       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |

# Proposal 11130 - Visit 1X - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|--------------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1X, scheduling <span style="float: right;">Wed Nov 12 02:11:29 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                      |                          | Secondary Pattern          |                    |                 |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                      |                          |                            |                    |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |                            | Fluxes             |                 | Miscellaneous                                                             |           |
|                 | (149)                                                                                                                                                                                                             | SDSSJ154639.94+442930.0                                                                                                                                                                                                  | RA: 15 46 39.9400 (236.6664167d)<br>Dec: +44 29 30.00 (44.49167d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g = 19.68 |                 | Reference Frame: ICRS                                                     |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (149) SDSSJ154639.94+442930.0                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (149) SDSSJ154639.94+442930.0                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                    |                 |                                                                           |           |

# Proposal 11130 - Visit 1Y - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                            |               |                 |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|--------------------|----------------------------|---------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 1Y, withdrawn <span style="float: right;">Wed Nov 12 02:11:30 GMT 2008</span>                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                            |               |                 |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                            |               |                 |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |                    | Secondary Pattern          |               |                 |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |                    |                            |               |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections | Fluxes             | Miscellaneous              |               |                 |                                                                           |           |
|                 | (150)                                                                                                                                                                                                                                                                        | SDSSJ155005.95+091035.7                                                                                                                                                                                                  | RA: 15 50 5.9500 (237.5247917d)<br>Dec: +09 10 35.70 (9.17658d)<br>Equinox: J2000 |                          | V=(?)<br>g = 18.09 | Reference Frame: ICRS      |               |                 |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els.      | Opt. Params.               | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (150) SDSSJ155005.95+091035.7                                                     | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (150) SDSSJ155005.95+091035.7                                                     | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                            |               |                 |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                            |               |                 |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                   |                          |                    |                            |               |                 |                                                                           |           |

# Proposal 11130 - Visit 1Z - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit           | Proposal 11130, Visit 1Z, withdrawn <span style="float: right;">Wed Nov 12 02:11:30 GMT 2008</span>                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                     | Secondary Pattern        | Exposures                                                                 |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          | (2)                                                                       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                                    |
|                 | (151)                                                                                                                                                                                                                                                                                                                                                                                      | SDSSJ155711.96+390928.8                                                                                                                                                                                                  | RA: 15 57 11.9600 (239.2998333d)<br>Dec: +39 09 28.80 (39.15800d)<br>Equinox: J2000 |                          | V=(?)<br>g = 17.69                                                        |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.                                                             |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                          | short                                                                                                                                                                                                                    | (151) SDSSJ155711.96+390928.8                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                          | long                                                                                                                                                                                                                     | (151) SDSSJ155711.96+390928.8                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          | Pattern 2-2 (1)                                                           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]<br>30.0 Secs<br>[==>]                             |
|                 |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          | Orbit<br>[1]                                                              |
|                 |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|                 | <p>Timeline details:</p> <ul style="list-style-type: none"> <li>GS Acq: 0 to ~200s</li> <li>Exp. 1: ~200 to ~400s</li> <li>Exp. 2: ~400 to ~600s (green box)</li> <li>Pointing Maneuver: ~600 to ~1200s</li> <li>Overhead: ~1200 to ~1400s</li> <li>Exp. 2: ~1400 to ~1600s (green box)</li> <li>Unused Visibility = 944: ~1600 to ~2200s</li> <li>Occultation: ~2200 to ~5500s</li> </ul> |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |

# Proposal 11130 - Visit 2A - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 2A, completed <span style="float: right;">Wed Nov 12 02:11:30 GMT 2008</span>                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                    | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                  | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                    | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (152)                                                                                                                                                                                                                                | SDSSJ155909.62+350147.4                                                                                                                                                                                                  | RA: 15 59 9.6200 (239.7900833d)<br>Dec: +35 01 47.40 (35.02983d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 14.41         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                    | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                    | short                                                                                                                                                                                                                    | (152) SDSSJ155909.62+350147.4                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                    | long                                                                                                                                                                                                                     | (152) SDSSJ155909.62+350147.4                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Overhead      Unused Visibility = 944      Occultation</p> <p>Timeline (seconds): 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |



# Proposal 11130 - Visit 2B - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|               |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit         | Proposal 11130, Visit 2B, completed <span style="float: right;">Wed Nov 12 02:11:30 GMT 2008</span>                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|               | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
| Patterns      | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                     | Secondary Pattern        | Exposures                                                                 |
|               | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          | (2)                                                                       |
| Fixed Targets | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                                    |
|               | (153)                                                                                                                                                                                                                                                                        | SDSSJ160044.99+505213.5                                                                                                                                                                                                  | RA: 16 00 44.9900 (240.1874583d)<br>Dec: +50 52 13.50 (50.87042d)<br>Equinox: J2000 |                          | V=(?)<br>g = 18.39                                                        |
| Exposures     | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.                                                             |
|               | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (153) SDSSJ160044.99+505213.5                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|               |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|               | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (153) SDSSJ160044.99+505213.5                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|               |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|               |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          | Pattern 2-2 (1)                                                           |
|               |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]<br>30.0 Secs<br>[==>]                             |
|               |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
| Orbit         | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|               | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 985      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |

# Proposal 11130 - Visit 2C - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                            |               |                 |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|--------------------|----------------------------|---------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 2C, withdrawn <span style="float: right;">Wed Nov 12 02:11:30 GMT 2008</span>                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                            |               |                 |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                            |               |                 |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |                    | Secondary Pattern          |               |                 |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |                    |                            |               |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes             | Miscellaneous              |               |                 |                                                                           |           |
|                 | (154)                                                                                                                                                                                                                                              | SDSSJ160656.03+371917.8                                                                                                                                                                                                  | RA: 16 06 56.0300 (241.7334583d)<br>Dec: +37 19 17.80 (37.32161d)<br>Equinox: J2000 |                          | V=(?)<br>g = 16.06 | Reference Frame: ICRS      |               |                 |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.      | Opt. Params.               | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                  | short                                                                                                                                                                                                                    | (154) SDSSJ160656.03+371917.8                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                  | long                                                                                                                                                                                                                     | (154) SDSSJ160656.03+371917.8                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                            |               |                 |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                            |               |                 |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 944      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                            |               |                 |                                                                           |           |

# Proposal 11130 - Visit 2D - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 2D, withdrawn <span style="float: right;">Wed Nov 12 02:11:31 GMT 2008</span>                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                               | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                             | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                               | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (155)                                                                                                                                                                                                                                                                                                                                                           | SDSSJ161227.84+010159.7                                                                                                                                                                                                  | RA: 16 12 27.8400 (243.1160000d)<br>Dec: +01 01 59.70 (1.03325d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.16         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                               | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                               | short                                                                                                                                                                                                                    | (155) SDSSJ161227.84+010159.7                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                               | long                                                                                                                                                                                                                     | (155) SDSSJ161227.84+010159.7                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>Timeline details:</p> <ul style="list-style-type: none"> <li>0 - 50s: GS Acq</li> <li>50 - 100s: Exp. 1</li> <li>100 - 150s: Exp. 2</li> <li>150 - 180s: Pointing Maneuver</li> <li>180 - 220s: Overhead</li> <li>220 - 270s: Exp. 2</li> <li>270 - 310s: Overhead</li> <li>310 - 320s: Unused Visibility = 917</li> <li>320 - 5500s: Occultation</li> </ul> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 2E - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 2E, completed <span style="float: right;">Wed Nov 12 02:11:31 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (156)                                                                                                     | SDSSJ161751.98-001957.4                                                                                                                                                                                                  | RA: 16 17 51.9800 (244.4665833d)<br>Dec: -00 19 57.40 (-.33261d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.91 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (156) SDSSJ161751.98-001957.4                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (156) SDSSJ161751.98-001957.4                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 2F - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                         |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|-------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 2F, completed <span style="float: right;">Wed Nov 12 02:11:31 GMT 2008</span>                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                         |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                         |           |
| Patterns        | #                                                                                                                                                                                                                                                                | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                         | Exposures |
|                 | (1)                                                                                                                                                                                                                                                              | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                         | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                         |           |
|                 | (157)                                                                                                                                                                                                                                                            | SDSSJ162147.74+343619.1                                                                                                                                                                                                  | RA: 16 21 47.7400 (245.4489167d)<br>Dec: +34 36 19.10 (34.60531d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.11         |               | Reference Frame: ICRS |                                                                         |           |
| Exposures       | #                                                                                                                                                                                                                                                                | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                 | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                | short                                                                                                                                                                                                                    | (157) SDSSJ162147.74+343619.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[=>]                                                       | [1]       |
|                 | 2                                                                                                                                                                                                                                                                | long                                                                                                                                                                                                                     | (157) SDSSJ162147.74+343619.1                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[=>600.0 Secs (Pattern 1)]<br>[=>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                         |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                         |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 937      Overhead      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                         |           |

# Proposal 11130 - Visit 2G - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit         | Proposal 11130, Visit 2G, completed <span style="float: right;">Wed Nov 12 02:11:31 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                   |                          |                                                                           |
|               | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                   |                          |                                                                           |
| Patterns      | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                   | Secondary Pattern        | Exposures                                                                 |
|               | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          | (2)                                                                       |
| Fixed Targets | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections | Fluxes                                                                    |
|               | (158)                                                                                                     | SDSSJ162403.63-005410.3                                                                                                                                                                                                  | RA: 16 24 3.6300 (246.0151250d)<br>Dec: -00 54 10.30 (-.90286d)<br>Equinox: J2000 |                          | V=(?)<br>g = 15.94                                                        |
| Exposures     | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els.                                                             |
|               | 1                                                                                                         | short                                                                                                                                                                                                                    | (158) SDSSJ162403.63-005410.3                                                     | WFPC2, IMAGE, PC1        | F814W                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Opt. Params.                                                              |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Special Reqs.                                                             |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |                                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Groups                                                                    |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Pattern 2-2 (1)                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Exp. Time/[Actual Dur.]                                                   |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | 30.0 Secs<br>[==>]                                                        |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Orbit                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | [1]                                                                       |
|               | 2                                                                                                         | long                                                                                                                                                                                                                     | (158) SDSSJ162403.63-005410.3                                                     | WFPC2, IMAGE, PC1        | F814W                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Special Reqs.                                                             |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |                                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Groups                                                                    |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Pattern 2-2 (1)                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Exp. Time/[Actual Dur.]                                                   |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Orbit                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | [1]                                                                       |

Orbit 1

Server Version: 20080807

# Proposal 11130 - Visit 2H - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 2H, completed</b> <span style="float: right;">Wed Nov 12 02:11:31 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (159)                                                                                                      | SDSSJ162542.15-004330.2                                                                                                                                                                                                  | RA: 16 25 42.1500 (246.4256250d)<br>Dec: -00 43 30.20 (-.72506d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.72 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                    | (159) SDSSJ162542.15-004330.2                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                     | (159) SDSSJ162542.15-004330.2                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 2I - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                        |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                    |                 |                                                            |           |                              |
|-----------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|--------------------|-----------------|------------------------------------------------------------|-----------|------------------------------|
| Visit           | Proposal 11130, Visit 2I, completed                    |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                    |                 |                                                            |           | Wed Nov 12 02:11:31 GMT 2008 |
|                 | Diagnostic Status: No Diagnostics                      |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                    |                 |                                                            |           |                              |
|                 | Scientific Instruments: WFPC2                          |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                    |                 |                                                            |           |                              |
|                 | Special Requirements: (none)                           |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                    |                 |                                                            |           |                              |
| Patterns        | #                                                      | Primary Pattern                                                                                                                                                                                                  |                                                                                     |                      |                          |                            | Secondary Pattern  |                 |                                                            | Exposures |                              |
|                 | (1)                                                    | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                                                                                     |                      |                          |                            |                    |                 |                                                            | (2)       |                              |
| Fixed Targets   | #                                                      | Name                                                                                                                                                                                                             | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |                            | Fluxes             |                 | Miscellaneous                                              |           |                              |
|                 | (160)                                                  | SDSSJ162636.40+350242.0                                                                                                                                                                                          | RA: 16 26 36.4000 (246.6516667d)<br>Dec: +35 02 42.00 (35.04500d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g = 15.66 |                 | Reference Frame: ICRS                                      |           |                              |
| Exposures       | #                                                      | Label                                                                                                                                                                                                            | Target                                                                              | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]                                    |           | Orbit                        |
|                 | 1                                                      | short                                                                                                                                                                                                            | (160) SDSSJ162636.40+350242.0                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    |                 | 30.0 Secs                                                  |           |                              |
|                 |                                                        |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                    |                 | [==>]                                                      |           | [1]                          |
|                 | 2                                                      | long                                                                                                                                                                                                             | (160) SDSSJ162636.40+350242.0                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                    | Pattern 2-2 (1) | 1200.0 Secs                                                |           |                              |
|                 |                                                        |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                    |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |           | [1]                          |
| Orbit Structure | <div>Orbit 1</div> <div>Server Version: 20080807</div> |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                    |                 |                                                            |           |                              |
|                 |                                                        |                                                                                                                                                                                                                  |                                                                                     |                      |                          |                            |                    |                 |                                                            |           |                              |



# Proposal 11130 - Visit 2J - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 2J, withdrawn <span style="float: right;">Wed Nov 12 02:11:32 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (161)                                                                                                     | SDSSJ163006.36+451637.5                                                                                                                                                                                                  | RA: 16 30 6.3600 (247.5265000d)<br>Dec: +45 16 37.50 (45.27708d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.48         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (161) SDSSJ163006.36+451637.5                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (161) SDSSJ163006.36+451637.5                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 2K - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                       |               |                 |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|--------------------|-----------------------|---------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 2K, completed <span style="float: right;">Wed Nov 12 02:11:32 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                       |               |                 |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                       |               |                 |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |                    | Secondary Pattern     |               |                 |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |                    |                       |               |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes             | Miscellaneous         |               |                 |                                                            |           |
|                 | (162)                                                                                                     | SDSSJ163159.59+243740.2                                                                                                                                                                                                  | RA: 16 31 59.5900 (247.9982917d)<br>Dec: +24 37 40.20 (24.62783d)<br>Equinox: J2000 |                          | V=(?)<br>g = 17.50 | Reference Frame: ICRS |               |                 |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.      | Opt. Params.          | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (162) SDSSJ163159.59+243740.2                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                    | CR-SPLIT=NO           |               |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (162) SDSSJ163159.59+243740.2                                                       | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                    | CR-SPLIT=NO           |               |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                       |               |                 |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |                    |                       |               |                 |                                                            |           |

# Proposal 11130 - Visit 2L - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit         | Proposal 11130, Visit 2L, withdrawn <span style="float: right;">Wed Nov 12 02:11:32 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
|               | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
| Patterns      | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    | Secondary Pattern        | Exposures                                                                 |
|               | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          | (2)                                                                       |
| Fixed Targets | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes                                                                    |
|               | (163)                                                                                                     | SDSSJ163228.88-002843.8                                                                                                                                                                                                  | RA: 16 32 28.8800 (248.1203333d)<br>Dec: -00 28 43.80 (-.47883d)<br>Equinox: J2000 |                          | V=(?)<br>g = 16.68                                                        |
| Exposures     | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els.                                                             |
|               | 1                                                                                                         | short                                                                                                                                                                                                                    | (163) SDSSJ163228.88-002843.8                                                      | WFPC2, IMAGE, PC1        | F814W                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Opt. Params.                                                              |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Special Reqs.                                                             |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Groups                                                                    |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Pattern 2-2 (1)                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Exp. Time/[Actual Dur.]                                                   |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | 30.0 Secs<br>[==>]                                                        |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Orbit                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | [1]                                                                       |
|               | 2                                                                                                         | long                                                                                                                                                                                                                     | (163) SDSSJ163228.88-002843.8                                                      | WFPC2, IMAGE, PC1        | F814W                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Special Reqs.                                                             |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |                                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Groups                                                                    |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Pattern 2-2 (1)                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Exp. Time/[Actual Dur.]                                                   |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | Orbit                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          | [1]                                                                       |

Orbit 1

Server Version: 20080807

# Proposal 11130 - Visit 2M - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 2M, completed</b> <span style="float: right;">Wed Nov 12 02:11:32 GMT 2008</span>                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                     | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                   | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                     | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (164)                                                                                                                                                                                                                                                 | SDSSJ165636.98+371439.5                                                                                                                                                                                                  | RA: 16 56 36.9800 (254.1540833d)<br>Dec: +37 14 39.50 (37.24431d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.30         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                     | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                     | short                                                                                                                                                                                                                    | (164) SDSSJ165636.98+371439.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                     | long                                                                                                                                                                                                                     | (164) SDSSJ165636.98+371439.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Exp. 2      Overhead      Unused Visibility = 944      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 2N - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                       |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
|-----------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|-------------------------------------------------------------------------------------------------------|--------------------|-----------------|---------------------------------------------------------------------------|-----------|-------|
| Visit           | Proposal 11130, Visit 2N, scheduling                  |                                                                                                         |                                                                                     |                      |                          | Wed Nov 12 02:11:32 GMT 2008                                                                          |                    |                 |                                                                           |           |       |
|                 | Diagnostic Status: No Diagnostics                     |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
|                 | Scientific Instruments: WFPC2                         |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
|                 | Special Requirements: (none)                          |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
| Patterns        | #                                                     | Primary Pattern                                                                                         |                                                                                     |                      |                          | Secondary Pattern                                                                                     |                    |                 |                                                                           | Exposures |       |
|                 | (1)                                                   | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing= |                                                                                     |                      |                          | Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                    |                 |                                                                           | (2)       |       |
| Fixed Targets   | #                                                     | Name                                                                                                    | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |                                                                                                       | Fluxes             |                 | Miscellaneous                                                             |           |       |
|                 | (165)                                                 | SDSSJ170812.29+601512.6                                                                                 | RA: 17 08 12.2900 (257.0512083d)<br>Dec: +60 15 12.60 (60.25350d)<br>Equinox: J2000 |                      |                          |                                                                                                       | V=(?)<br>g = 18.07 |                 | Reference Frame: ICRS                                                     |           |       |
| Exposures       | #                                                     | Label                                                                                                   | Target                                                                              | Config,Mode,Aperture | Spectral Els.            | Opt. Params.                                                                                          | Special Reqs.      | Groups          | Exp. Time/[Actual Dur.]                                                   |           | Orbit |
|                 | 1                                                     | short                                                                                                   | (165) SDSSJ170812.29+601512.6                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |                    |                 | 30.0 Secs<br>[==>]                                                        |           | [1]   |
|                 | 2                                                     | long                                                                                                    | (165) SDSSJ170812.29+601512.6                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |                    | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |           | [1]   |
|                 |                                                       |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div></div> |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |
|                 |                                                       |                                                                                                         |                                                                                     |                      |                          |                                                                                                       |                    |                 |                                                                           |           |       |

# Proposal 11130 - Visit 2O - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 2O, completed <span style="float: right;">Wed Nov 12 02:11:32 GMT 2008</span>                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                              | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (166)                                                                                                                                                                                                                                                                                                                            | SDSSJ205822.14-065004.3                                                                                                                                                                                                  | RA: 20 58 22.1400 (314.5922500d)<br>Dec: -06 50 4.30 (-6.83453d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.14 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                | short                                                                                                                                                                                                                    | (166) SDSSJ205822.14-065004.3                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                | long                                                                                                                                                                                                                     | (166) SDSSJ205822.14-065004.3                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <p>Timeline details:</p> <ul style="list-style-type: none"> <li>0s: GS Acq</li> <li>~400s: Exp. 1</li> <li>~600s: Exp. 2</li> <li>~1200s: Pointing Maneuver</li> <li>~1400s: Exp. 2</li> <li>~1300s: Overhead</li> <li>~2200s: Overhead</li> <li>~2200s - 3100s: Unused Visibility = 917</li> <li>~3100s: Occultation</li> </ul> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 2P - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 2P, scheduling <span style="float: right;">Wed Nov 12 02:11:32 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (167)                                                                                                                                                                                                                                                                        | SDSSJ212429.10+010621.6                                                                                                                                                                                                  | RA: 21 24 29.1000 (321.1212500d)<br>Dec: +01 06 21.60 (1.10600d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 19.18 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (167) SDSSJ212429.10+010621.6                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (167) SDSSJ212429.10+010621.6                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 2Q - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          |                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit           | <b>Proposal 11130, Visit 2Q, scheduling</b> <span style="float: right;">Wed Nov 12 02:11:32 GMT 2008</span> |                                                                                                                                                                                                                                                    |                                                                                   |                          |                                                                           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)   |                                                                                                                                                                                                                                                    |                                                                                   |                          |                                                                           |
| Patterns        | #                                                                                                           | Primary Pattern                                                                                                                                                                                                                                    |                                                                                   | Secondary Pattern        | Exposures                                                                 |
|                 | (1)                                                                                                         | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER                  Pattern Orientation=45.0<br>Number Of Points=2              Angle Between Sides=<br>Point Spacing=0.704            Center Pattern=false<br>Line Spacing= |                                                                                   |                          | (2)                                                                       |
| Fixed Targets   | #                                                                                                           | Name                                                                                                                                                                                                                                               | Target Coordinates                                                                | Targ. Coord. Corrections | Fluxes                                                                    |
|                 | (168)                                                                                                       | SDSSJ214745.20+004943.5                                                                                                                                                                                                                            | RA: 21 47 45.2000 (326.9383333d)<br>Dec: +00 49 43.50 (.82875d)<br>Equinox: J2000 |                          | V=(?)<br>g = 19.80                                                        |
| Exposures       | #                                                                                                           | Label                                                                                                                                                                                                                                              | Target                                                                            | Config,Mode,Aperture     | Spectral Els.                                                             |
|                 | 1                                                                                                           | short                                                                                                                                                                                                                                              | (168) SDSSJ214745.20+004943.5                                                     | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | Opt. Params.                                                              |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | Special Reqs.                                                             |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          |                                                                           |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | Groups                                                                    |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | Pattern 2-2 (1)                                                           |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | Exp. Time/[Actual Dur.]                                                   |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | 30.0 Secs<br>[==>]                                                        |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | Orbit                                                                     |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | [1]                                                                       |
|                 | 2                                                                                                           | long                                                                                                                                                                                                                                               | (168) SDSSJ214745.20+004943.5                                                     | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | Special Reqs.                                                             |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          |                                                                           |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | Groups                                                                    |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | Pattern 2-2 (1)                                                           |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | Exp. Time/[Actual Dur.]                                                   |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | Orbit                                                                     |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          | [1]                                                                       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                  |                                                                                                                                                                                                                                                    |                                                                                   |                          |                                                                           |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                   |                          |                                                                           |

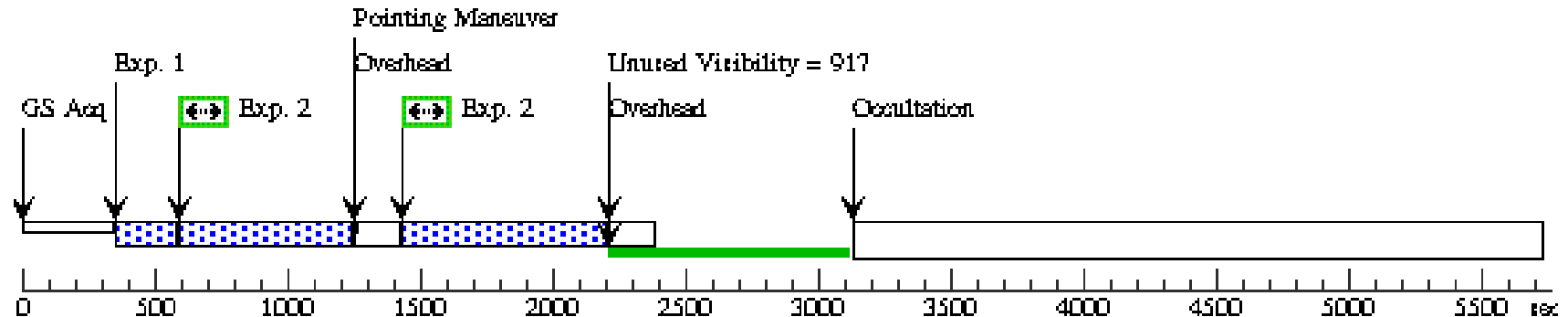


# Proposal 11130 - Visit 2R - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit         | Proposal 11130, Visit 2R, completed <span style="float: right;">Wed Nov 12 02:11:33 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                   |                          |                                                                           |
|               | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                   |                          |                                                                           |
| Patterns      | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                   | Secondary Pattern        | Exposures                                                                 |
|               | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          | (2)                                                                       |
| Fixed Targets | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections | Fluxes                                                                    |
|               | (169)                                                                                                     | SDSSJ220757.44-001005.4                                                                                                                                                                                                  | RA: 22 07 57.4400 (331.9893333d)<br>Dec: -00 10 5.40 (-.16817d)<br>Equinox: J2000 |                          | V=(?)<br>g = 20.56                                                        |
| Exposures     | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els.                                                             |
|               | 1                                                                                                         | short                                                                                                                                                                                                                    | (169) SDSSJ220757.44-001005.4                                                     | WFPC2, IMAGE, PC1        | F814W                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Opt. Params.                                                              |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Special Reqs.                                                             |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |                                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Groups                                                                    |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Pattern 2-2 (1)                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Exp. Time/[Actual Dur.]                                                   |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | 30.0 Secs<br>[==>]                                                        |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Orbit                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | [1]                                                                       |
|               | 2                                                                                                         | long                                                                                                                                                                                                                     | (169) SDSSJ220757.44-001005.4                                                     | WFPC2, IMAGE, PC1        | F814W                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Special Reqs.                                                             |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |                                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Groups                                                                    |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Pattern 2-2 (1)                                                           |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Exp. Time/[Actual Dur.]                                                   |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | Orbit                                                                     |
|               |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          | [1]                                                                       |

Orbit 1

Server Version: 20080807



# Proposal 11130 - Visit 2S - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 2S, completed <span style="float: right;">Wed Nov 12 02:11:33 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (170)                                                                                                     | SDSSJ221139.16-010535.0                                                                                                                                                                                                  | RA: 22 11 39.1600 (332.9131667d)<br>Dec: -01 05 35.00 (-1.09306d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 16.93 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (170) SDSSJ221139.16-010535.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (170) SDSSJ221139.16-010535.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 2T - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 2T, completed</b> <span style="float: right;">Wed Nov 12 02:11:33 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (171)                                                                                                      | SDSSJ223811.33+143343.4                                                                                                                                                                                                  | RA: 22 38 11.3300 (339.5472083d)<br>Dec: +14 33 43.40 (14.56206d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.45         |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                    | (171) SDSSJ223811.33+143343.4                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                     | (171) SDSSJ223811.33+143343.4                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;"><b>Server Version: 20080807</b></span>                          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 2U - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                      |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--------------------------------------|-------------------------|-------------------------------|-------------------------------------------------------------------------------------|--|--|---------------------------|--------------------------|----------------------------|--|------------------------------|--------------------|-----------------|--|------------------------------------------------------------|-----------------------|-------|--|--|--|--------------------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Visit           | Proposal 11130, Visit 2U, scheduling |                         |                               |                                                                                     |  |  |                           |                          |                            |  | Wed Nov 12 02:11:33 GMT 2008 |                    |                 |  |                                                            |                       |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | Diagnostic Status: No Diagnostics    |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | Scientific Instruments: WFPC2        |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | Special Requirements: (none)         |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Patterns        | #                                    | Primary Pattern         |                               |                                                                                     |  |  |                           |                          |                            |  |                              | Secondary Pattern  |                 |  |                                                            |                       |       |  |  |  |                          | Exposures |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | (1)                                  | Pattern Type=WFPC2-LINE |                               |                                                                                     |  |  | Coordinate Frame=POS-TARG |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |                          | (2)       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 |                                      | Purpose=DITHER          |                               |                                                                                     |  |  | Pattern Orientation=45.0  |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 |                                      | Number Of Points=2      |                               |                                                                                     |  |  | Angle Between Sides=      |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 |                                      | Point Spacing=0.704     |                               |                                                                                     |  |  | Center Pattern=false      |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 |                                      | Line Spacing=           |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fixed Targets   | #                                    | Name                    |                               | Target Coordinates                                                                  |  |  |                           | Targ. Coord. Corrections |                            |  |                              | Fluxes             |                 |  |                                                            | Miscellaneous         |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | (172)                                | SDSSJ225630.07+141020.7 |                               | RA: 22 56 30.0700 (344.1252917d)<br>Dec: +14 10 20.70 (14.17242d)<br>Equinox: J2000 |  |  |                           |                          |                            |  |                              | V=(?)<br>g = 19.30 |                 |  |                                                            | Reference Frame: ICRS |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Exposures       | #                                    | Label                   | Target                        | Config,Mode,Aperture                                                                |  |  | Spectral Els.             |                          | Opt. Params.               |  | Special Reqs.                |                    | Groups          |  | Exp. Time/[Actual Dur.]                                    |                       | Orbit |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | 1                                    | short                   | (172) SDSSJ225630.07+141020.7 | WFPC2, IMAGE, PC1                                                                   |  |  | F814W                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                    |                 |  | 30.0 Secs                                                  |                       |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 |                                      |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                    |                 |  | [==>]                                                      |                       | [1]   |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | 2                                    | long                    | (172) SDSSJ225630.07+141020.7 | WFPC2, IMAGE, PC1                                                                   |  |  | F814W                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                    | Pattern 2-2 (1) |  | 1200.0 Secs                                                |                       |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 |                                      |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                    |                 |  | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |                       | [1]   |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Orbit Structure | Orbit 1                              |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  | Server Version: 20080807 |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 |                                      |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                    |                 |  |                                                            |                       |       |  |  |  |                          |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# Proposal 11130 - Visit 2V - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 2V, failed</b> <span style="float: right;">Wed Nov 12 02:11:33 GMT 2008</span>                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (173)                                                                                                                                                                                                                                                                                      | SDSSJ234807.14-091202.6                                                                                                                                                                                                  | RA: 23 48 7.1400 (357.0297500d)<br>Dec: -09 12 2.60 (-9.20072d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.39 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                          | short                                                                                                                                                                                                                    | (173) SDSSJ234807.14-091202.6                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                          | long                                                                                                                                                                                                                     | (173) SDSSJ234807.14-091202.6                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 917      Overhead      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 5O - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|---------------|--------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 5O, scheduling <span style="float: right;">Wed Nov 12 02:11:33 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |               | Secondary Pattern  |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |               |                    |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections |               | Fluxes             |               | Miscellaneous         |                                                            |           |
|                 | (173)                                                                                                                                                                                                             | SDSSJ234807.14-091202.6                                                                                                                                                                                                  | RA: 23 48 7.1400 (357.0297500d)<br>Dec: -09 12 2.60 (-9.20072d)<br>Equinox: J2000 |                          |               | V=(?)<br>g = 18.39 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els. | Opt. Params.       | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (173) SDSSJ234807.14-091202.6                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO        |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (173) SDSSJ234807.14-091202.6                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;        |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO        |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               |                    |               |                       |                                                            |           |

# Proposal 11130 - Visit 2W - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                      |               |                       |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 2W, completed <span style="float: right;">Wed Nov 12 02:11:34 GMT 2008</span>                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                      |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                      |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern    |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                      |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes               |               | Miscellaneous         |                                                            |           |
|                 | (174)                                                                                                                                                                                                                                                                        | SDSSJ213728.62-083823.3                                                                                                                                                                                                  | RA: 21 37 28.6200 (324.3692500d)<br>Dec: -08 38 23.30 (-8.63981d)<br>Equinox: J2000 |                          |               | V=(?)<br>i = 18.9458 |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.         | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (174) SDSSJ213728.62-083823.3                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;          |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO          |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (174) SDSSJ213728.62-083823.3                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;          |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO          |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                      |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                      |               |                       |                                                            |           |

# Proposal 11130 - Visit 2X - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |                    |                       |               |                 |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------|--------------------|-----------------------|---------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 2X, completed <span style="float: right;">Wed Nov 12 02:11:34 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                  |                          |                    |                       |               |                 |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                  |                          |                    |                       |               |                 |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                  |                          |                    | Secondary Pattern     |               |                 |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                  |                          |                    |                       |               |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                               | Targ. Coord. Corrections | Fluxes             | Miscellaneous         |               |                 |                                                            |           |
|                 | (175)                                                                                                     | SDSSJ235835.22+002006.3                                                                                                                                                                                                  | RA: 23 58 35.2200 (359.6467500d)<br>Dec: +00 20 6.30 (.33508d)<br>Equinox: J2000 |                          | V=(?)<br>g = 19.49 | Reference Frame: ICRS |               |                 |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                           | Config,Mode,Aperture     | Spectral Els.      | Opt. Params.          | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (175) SDSSJ235835.22+002006.3                                                    | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |                    | CR-SPLIT=NO           |               |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (175) SDSSJ235835.22+002006.3                                                    | WFPC2, IMAGE, PC1        | F814W              | ATD-GAIN=7;           |               | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |                    | CR-SPLIT=NO           |               |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                  |                          |                    |                       |               |                 |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                  |                          |                    |                       |               |                 |                                                            |           |



# Proposal 11130 - Visit 2Y - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|-----------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 2Y, completed <span style="float: right;">Wed Nov 12 02:11:34 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
| Patterns        | #                                                                                                   | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                      |                          | Secondary Pattern          |                 |                 |                                                                           | Exposures |
|                 | (1)                                                                                                 | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                      |                          |                            |                 |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                   | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |                            | Fluxes          |                 | Miscellaneous                                                             |           |
|                 | (176)                                                                                               | SDSSJ073438.23+284434.7                                                                                                                                                                                                  | RA: 07 34 38.2300 (113.6592917d)<br>Dec: +28 44 34.70 (28.74297d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g=19.7 |                 | Reference Frame: ICRS                                                     |           |
| Exposures       | #                                                                                                   | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.   | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                   | short                                                                                                                                                                                                                    | (176) SDSSJ073438.23+284434.7                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                   | long                                                                                                                                                                                                                     | (176) SDSSJ073438.23+284434.7                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
| Orbit Structure | Orbit 1 <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |

# Proposal 11130 - Visit 2Z - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                  |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                   |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|-----------------|------------------------------------------------------------------|-------------------------|-------------------------------|-------------------------------------------------------------------------------------|--|--|---------------------------|--------------------------|----------------------------|--|------------------------------|-------------------|-----------------|--|------------------------------------------------------------|-----------------------|-------|--|--|--|--|-----------|--|
| Visit           | Proposal 11130, Visit 2Z, scheduling                             |                         |                               |                                                                                     |  |  |                           |                          |                            |  | Wed Nov 12 02:11:34 GMT 2008 |                   |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|                 | Diagnostic Status: No Diagnostics                                |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                   |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|                 | Scientific Instruments: WFPC2                                    |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                   |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|                 | Special Requirements: (none)                                     |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                   |                 |  |                                                            |                       |       |  |  |  |  |           |  |
| Patterns        | #                                                                | Primary Pattern         |                               |                                                                                     |  |  |                           |                          |                            |  |                              | Secondary Pattern |                 |  |                                                            |                       |       |  |  |  |  | Exposures |  |
|                 | (1)                                                              | Pattern Type=WFPC2-LINE |                               |                                                                                     |  |  | Coordinate Frame=POS-TARG |                          |                            |  |                              |                   |                 |  |                                                            |                       |       |  |  |  |  | (2)       |  |
|                 |                                                                  | Purpose=DITHER          |                               |                                                                                     |  |  | Pattern Orientation=45.0  |                          |                            |  |                              |                   |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|                 |                                                                  | Number Of Points=2      |                               |                                                                                     |  |  | Angle Between Sides=      |                          |                            |  |                              |                   |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|                 |                                                                  | Point Spacing=0.704     |                               |                                                                                     |  |  | Center Pattern=false      |                          |                            |  |                              |                   |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|                 |                                                                  | Line Spacing=           |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                   |                 |  |                                                            |                       |       |  |  |  |  |           |  |
| Fixed Targets   | #                                                                | Name                    |                               | Target Coordinates                                                                  |  |  |                           | Targ. Coord. Corrections |                            |  |                              | Fluxes            |                 |  |                                                            | Miscellaneous         |       |  |  |  |  |           |  |
|                 | (177)                                                            | SDSSJ073925.54+450055.4 |                               | RA: 07 39 25.5400 (114.8564167d)<br>Dec: +45 00 55.40 (45.01539d)<br>Equinox: J2000 |  |  |                           |                          |                            |  |                              | V=(?)<br>g=20.2   |                 |  |                                                            | Reference Frame: ICRS |       |  |  |  |  |           |  |
| Exposures       | #                                                                | Label                   | Target                        | Config,Mode,Aperture                                                                |  |  | Spectral Els.             |                          | Opt. Params.               |  | Special Reqs.                |                   | Groups          |  | Exp. Time/[Actual Dur.]                                    |                       | Orbit |  |  |  |  |           |  |
|                 | 1                                                                | short                   | (177) SDSSJ073925.54+450055.4 | WFPC2, IMAGE, PC1                                                                   |  |  | F814W                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                   |                 |  | 30.0 Secs                                                  |                       |       |  |  |  |  |           |  |
|                 |                                                                  |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                   |                 |  | [==>]                                                      |                       | [1]   |  |  |  |  |           |  |
|                 | 2                                                                | long                    | (177) SDSSJ073925.54+450055.4 | WFPC2, IMAGE, PC1                                                                   |  |  | F814W                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                   | Pattern 2-2 (1) |  | 1200.0 Secs                                                |                       |       |  |  |  |  |           |  |
|                 |                                                                  |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                   |                 |  | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |                       | [1]   |  |  |  |  |           |  |
| Orbit Structure | <div><div>Orbit 1</div><div>Server Version: 20080807</div></div> |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                   |                 |  |                                                            |                       |       |  |  |  |  |           |  |
|                 |                                                                  |                         |                               |                                                                                     |  |  |                           |                          |                            |  |                              |                   |                 |  |                                                            |                       |       |  |  |  |  |           |  |

# Proposal 11130 - Visit 3A - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|-------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 3A, completed <span style="float: right;">Wed Nov 12 02:11:34 GMT 2008</span>                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                   |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes            |               | Miscellaneous         |                                                            |           |
|                 | (178)                                                                                                                                                                                                                                              | SDSSJ080649.47+390609.8                                                                                                                                                                                                  | RA: 08 06 49.4700 (121.7061250d)<br>Dec: +39 06 9.80 (39.10272d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=19.8   |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.      | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                  | short                                                                                                                                                                                                                    | (178) SDSSJ080649.47+390609.8                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO       |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                  | long                                                                                                                                                                                                                     | (178) SDSSJ080649.47+390609.8                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO       |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 944      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |

# Proposal 11130 - Visit 3B - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |                 |                            |               |                 |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|-----------------|----------------------------|---------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 3B, completed</b> <span style="float: right;">Wed Nov 12 02:11:34 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                     |                          |                 |                            |               |                 |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                     |                          |                 |                            |               |                 |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |                 | Secondary Pattern          |               |                 |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |                 |                            |               |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes          | Miscellaneous              |               |                 |                                                                           |           |
|                 | (179)                                                                                                      | SDSSJ081145.30+232825.7                                                                                                                                                                                                  | RA: 08 11 45.3000 (122.9387500d)<br>Dec: +23 28 25.70 (23.47381d)<br>Equinox: J2000 |                          | V=(?)<br>g=18.2 | Reference Frame: ICRS      |               |                 |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.   | Opt. Params.               | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                    | (179) SDSSJ081145.30+232825.7                                                       | WFPC2, IMAGE, PC1        | F814W           | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                 | 30.0 Secs<br>[==>]                                                        |           |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                     | (179) SDSSJ081145.30+232825.7                                                       | WFPC2, IMAGE, PC1        | F814W           | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |                 |                            |               |                 |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                     |                          |                 |                            |               |                 |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |                 |                            |               |                 |                                                                           |           |

# Proposal 11130 - Visit 3C - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 3C, scheduling <span style="float: right;">Wed Nov 12 02:11:34 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (180)                                                                                                                                                                                                             | SDSSJ081549.08+254701.4                                                                                                                                                                                                  | RA: 08 15 49.0800 (123.9545000d)<br>Dec: +25 47 1.40 (25.78372d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=19.1            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (180) SDSSJ081549.08+254701.4                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (180) SDSSJ081549.08+254701.4                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 3D - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          |                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit           | <b>Proposal 11130, Visit 3D, scheduling</b> <span style="float: right;">Wed Nov 12 02:11:35 GMT 2008</span> |                                                                                                                                                                                                                                                    |                                                                                    |                          |                                                                           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)   |                                                                                                                                                                                                                                                    |                                                                                    |                          |                                                                           |
| Patterns        | #                                                                                                           | Primary Pattern                                                                                                                                                                                                                                    |                                                                                    | Secondary Pattern        | Exposures                                                                 |
|                 | (1)                                                                                                         | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER                  Pattern Orientation=45.0<br>Number Of Points=2              Angle Between Sides=<br>Point Spacing=0.704            Center Pattern=false<br>Line Spacing= |                                                                                    |                          | (2)                                                                       |
| Fixed Targets   | #                                                                                                           | Name                                                                                                                                                                                                                                               | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes                                                                    |
|                 | (181)                                                                                                       | SDSSJ084204.94+403934.4                                                                                                                                                                                                                            | RA: 08 42 4.9400 (130.5205833d)<br>Dec: +40 39 34.40 (40.65956d)<br>Equinox: J2000 |                          | V=(?)<br>g=19.8                                                           |
| Exposures       | #                                                                                                           | Label                                                                                                                                                                                                                                              | Target                                                                             | Config,Mode,Aperture     | Spectral Els.                                                             |
|                 | 1                                                                                                           | short                                                                                                                                                                                                                                              | (181) SDSSJ084204.94+403934.4                                                      | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | Opt. Params.                                                              |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | Special Reqs.                                                             |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          |                                                                           |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | Groups                                                                    |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | Pattern 2-2 (1)                                                           |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | Exp. Time/[Actual Dur.]                                                   |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | 30.0 Secs<br>[==>]                                                        |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | Orbit                                                                     |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | [1]                                                                       |
|                 | 2                                                                                                           | long                                                                                                                                                                                                                                               | (181) SDSSJ084204.94+403934.4                                                      | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | Exp. Time/[Actual Dur.]                                                   |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | Orbit                                                                     |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          | [1]                                                                       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                  |                                                                                                                                                                                                                                                    |                                                                                    |                          |                                                                           |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                    |                          |                                                                           |

# Proposal 11130 - Visit 3E - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 3E, scheduling <span style="float: right;">Wed Nov 12 02:11:35 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (182)                                                                                                                                                                                                             | SDSSJ084234.50+031930.6                                                                                                                                                                                                  | RA: 08 42 34.5000 (130.6437500d)<br>Dec: +03 19 30.60 (3.32517d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=18.3            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (182) SDSSJ084234.50+031930.6                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (182) SDSSJ084234.50+031930.6                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 3F - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                           |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 3F, completed</b> <span style="float: right;">Wed Nov 12 02:11:35 GMT 2008</span>                                                                                                                                         |                                                                                                                                                                                                                                           |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                          |                                                                                                                                                                                                                                           |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                  | Primary Pattern                                                                                                                                                                                                                           |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER              Pattern Orientation=45.0<br>Number Of Points=2           Angle Between Sides=<br>Point Spacing=0.704          Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                  | Name                                                                                                                                                                                                                                      | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (183)                                                                                                                                                                                                                                              | SDSSJ085125.81+393541.8                                                                                                                                                                                                                   | RA: 08 51 25.8100 (132.8575417d)<br>Dec: +39 35 41.80 (39.59494d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=19.3            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                  | Label                                                                                                                                                                                                                                     | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                  | short                                                                                                                                                                                                                                     | (183) SDSSJ085125.81+393541.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                  | long                                                                                                                                                                                                                                      | (183) SDSSJ085125.81+393541.8                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                           |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;"><b>Server Version: 20080807</b></span>                                                                                                                                                                  |                                                                                                                                                                                                                                           |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 944      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                                           |                                                                                     |                          |               |                            |               |                       |                                                                           |           |



# Proposal 11130 - Visit 3G - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 3G, completed</b> <span style="float: right;">Wed Nov 12 02:11:35 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (184)                                                                                                      | SDSSJ090244.66+311626.0                                                                                                                                                                                                  | RA: 09 02 44.6600 (135.6860833d)<br>Dec: +31 16 26.00 (31.27389d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=16.5            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                    | (184) SDSSJ090244.66+311626.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                     | (184) SDSSJ090244.66+311626.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 3H - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------|
| Visit           | Proposal 11130, Visit 3H, completed <span style="float: right;">Wed Nov 12 02:11:35 GMT 2008</span>                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                     | Secondary Pattern        | Exposures                                                                 |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          | (2)                                                                       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                                    |
|                 | (185)                                                                                                                                                                                                                                                                        | SDSSJ091936.27+384519.1                                                                                                                                                                                                  | RA: 09 19 36.2700 (139.9011250d)<br>Dec: +38 45 19.10 (38.75531d)<br>Equinox: J2000 |                          | V=(?)<br>g=20.3                                                           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els.                                                             |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (185) SDSSJ091936.27+384519.1                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (185) SDSSJ091936.27+384519.1                                                       | WFPC2, IMAGE, PC1        | F814W                                                                     |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          | ATD-GAIN=7;<br>CR-SPLIT=NO                                                |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          | Groups: Pattern 2-2 (1)                                                   |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          | Exp. Time/[Actual Dur.]<br>30.0 Secs<br>[==>]                             |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 944      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |                                                                           |

# Proposal 11130 - Visit 3I - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                      |                         |                                                                                     |                           |                          |                            |                   |                 |                                                            |           |                              |                          |
|-----------------|--------------------------------------|-------------------------|-------------------------------------------------------------------------------------|---------------------------|--------------------------|----------------------------|-------------------|-----------------|------------------------------------------------------------|-----------|------------------------------|--------------------------|
| Visit           | Proposal 11130, Visit 3I, scheduling |                         |                                                                                     |                           |                          |                            |                   |                 |                                                            |           | Wed Nov 12 02:11:35 GMT 2008 |                          |
|                 | Diagnostic Status: No Diagnostics    |                         |                                                                                     |                           |                          |                            |                   |                 |                                                            |           |                              |                          |
|                 | Scientific Instruments: WFPC2        |                         |                                                                                     |                           |                          |                            |                   |                 |                                                            |           |                              |                          |
|                 | Special Requirements: (none)         |                         |                                                                                     |                           |                          |                            |                   |                 |                                                            |           |                              |                          |
| Patterns        | #                                    | Primary Pattern         |                                                                                     |                           |                          |                            | Secondary Pattern |                 |                                                            | Exposures |                              |                          |
|                 | (1)                                  | Pattern Type=WFPC2-LINE |                                                                                     | Coordinate Frame=POS-TARG |                          |                            |                   |                 |                                                            | (2)       |                              |                          |
|                 |                                      | Purpose=DITHER          |                                                                                     | Pattern Orientation=45.0  |                          |                            |                   |                 |                                                            |           |                              |                          |
|                 |                                      | Number Of Points=2      |                                                                                     | Angle Between Sides=      |                          |                            |                   |                 |                                                            |           |                              |                          |
|                 |                                      | Point Spacing=0.704     |                                                                                     | Center Pattern=false      |                          |                            |                   |                 |                                                            |           |                              |                          |
|                 |                                      | Line Spacing=           |                                                                                     |                           |                          |                            |                   |                 |                                                            |           |                              |                          |
| Fixed Targets   | #                                    | Name                    | Target Coordinates                                                                  |                           | Targ. Coord. Corrections |                            | Fluxes            |                 | Miscellaneous                                              |           |                              |                          |
|                 | (186)                                | SDSSJ093226.81+420516.9 | RA: 09 32 26.8100 (143.1117083d)<br>Dec: +42 05 16.90 (42.08803d)<br>Equinox: J2000 |                           |                          |                            | V=(?)<br>g=18.7   |                 | Reference Frame: ICRS                                      |           |                              |                          |
| Exposures       | #                                    | Label                   | Target                                                                              | Config,Mode,Aperture      | Spectral Els.            | Opt. Params.               | Special Reqs.     | Groups          | Exp. Time/[Actual Dur.]                                    |           | Orbit                        |                          |
|                 | 1                                    | short                   | (186) SDSSJ093226.81+420516.9                                                       | WFPC2, IMAGE, PC1         | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                   |                 | 30.0 Secs                                                  |           |                              |                          |
|                 |                                      |                         |                                                                                     |                           |                          |                            |                   |                 | [==>]                                                      |           | [1]                          |                          |
|                 | 2                                    | long                    | (186) SDSSJ093226.81+420516.9                                                       | WFPC2, IMAGE, PC1         | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                   | Pattern 2-2 (1) | 1200.0 Secs                                                |           |                              |                          |
|                 |                                      |                         |                                                                                     |                           |                          |                            |                   |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |           | [1]                          |                          |
| Orbit Structure | Orbit 1                              |                         |                                                                                     |                           |                          |                            |                   |                 |                                                            |           |                              | Server Version: 20080807 |
|                 |                                      |                         |                                                                                     |                           |                          |                            |                   |                 |                                                            |           |                              |                          |

# Proposal 11130 - Visit 3J - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 3J, scheduling</b> <span style="float: right;">Wed Nov 12 02:11:35 GMT 2008</span>                                                                                                                                                                  |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                                            |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER              Pattern Orientation=45.0<br>Number Of Points=2            Angle Between Sides=<br>Point Spacing=0.704          Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                                       | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (187)                                                                                                                                                                                                                                                                        | SDSSJ093239.47+511542.6                                                                                                                                                                                                                    | RA: 09 32 39.4700 (143.1644583d)<br>Dec: +51 15 42.60 (51.26183d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=18.1            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                                      | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                                      | (187) SDSSJ093239.47+511542.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                                       | (187) SDSSJ093239.47+511542.6                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 985      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                                            |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 3K - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                       |                                                                                                                                                                                                                  |                                                                                     |                          |                   |                              |               |                 |                                                            |       |
|-----------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|-------------------|------------------------------|---------------|-----------------|------------------------------------------------------------|-------|
| Visit           | Proposal 11130, Visit 3K, scheduling                  |                                                                                                                                                                                                                  |                                                                                     |                          |                   | Wed Nov 12 02:11:35 GMT 2008 |               |                 |                                                            |       |
|                 | Diagnostic Status: No Diagnostics                     |                                                                                                                                                                                                                  |                                                                                     |                          |                   |                              |               |                 |                                                            |       |
|                 | Scientific Instruments: WFPC2                         |                                                                                                                                                                                                                  |                                                                                     |                          |                   |                              |               |                 |                                                            |       |
|                 | Special Requirements: (none)                          |                                                                                                                                                                                                                  |                                                                                     |                          |                   |                              |               |                 |                                                            |       |
| Patterns        | #                                                     | Primary Pattern                                                                                                                                                                                                  |                                                                                     |                          | Secondary Pattern |                              | Exposures     |                 |                                                            |       |
|                 | (1)                                                   | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                                                                                     |                          |                   |                              | (2)           |                 |                                                            |       |
| Fixed Targets   | #                                                     | Name                                                                                                                                                                                                             | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes            | Miscellaneous                |               |                 |                                                            |       |
|                 | (188)                                                 | SDSSJ094321.54+385457.6                                                                                                                                                                                          | RA: 09 43 21.5400 (145.8397500d)<br>Dec: +38 54 57.60 (38.91600d)<br>Equinox: J2000 |                          | V=(?)<br>g=18.7   | Reference Frame: ICRS        |               |                 |                                                            |       |
| Exposures       | #                                                     | Label                                                                                                                                                                                                            | Target                                                                              | Config,Mode,Aperture     | Spectral Els.     | Opt. Params.                 | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit |
|                 | 1                                                     | short                                                                                                                                                                                                            | (188) SDSSJ094321.54+385457.6                                                       | WFPC2, IMAGE, PC1        | F814W             | ATD-GAIN=7;<br>CR-SPLIT=NO   |               |                 | 30.0 Secs                                                  |       |
|                 |                                                       |                                                                                                                                                                                                                  |                                                                                     |                          |                   |                              |               |                 | [==>]                                                      | [1]   |
|                 | 2                                                     | long                                                                                                                                                                                                             | (188) SDSSJ094321.54+385457.6                                                       | WFPC2, IMAGE, PC1        | F814W             | ATD-GAIN=7;<br>CR-SPLIT=NO   |               | Pattern 2-2 (1) | 1200.0 Secs                                                |       |
|                 |                                                       |                                                                                                                                                                                                                  |                                                                                     |                          |                   |                              |               |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]   |
| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div></div> |                                                                                                                                                                                                                  |                                                                                     |                          |                   |                              |               |                 |                                                            |       |

# Proposal 11130 - Visit 3L - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 3L, completed <span style="float: right;">Wed Nov 12 02:11:36 GMT 2008</span>                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (189)                                                                                                                                                                                                                                              | SDSSJ094422.04+472735.3                                                                                                                                                                                                  | RA: 09 44 22.0400 (146.0918333d)<br>Dec: +47 27 35.30 (47.45981d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=18.1            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                  | short                                                                                                                                                                                                                    | (189) SDSSJ094422.04+472735.3                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                  | long                                                                                                                                                                                                                     | (189) SDSSJ094422.04+472735.3                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 96%      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 3M - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                  |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                             |                       |  |  |       |  |  |           |  |
|-----------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------|--|--|---------------|--------------------------|----------------------------|--|------------------------------|-------------------|-----------------|--|-----------------------------|-----------------------|--|--|-------|--|--|-----------|--|
| Visit           | Proposal 11130, Visit 3M, scheduling                             |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  | Wed Nov 12 02:11:36 GMT 2008 |                   |                 |  |                             |                       |  |  |       |  |  |           |  |
|                 | Diagnostic Status: No Diagnostics                                |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                             |                       |  |  |       |  |  |           |  |
|                 | Scientific Instruments: WFPC2                                    |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                             |                       |  |  |       |  |  |           |  |
|                 | Special Requirements: (none)                                     |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                             |                       |  |  |       |  |  |           |  |
| Patterns        | #                                                                | Primary Pattern                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              | Secondary Pattern |                 |  |                             |                       |  |  |       |  |  | Exposures |  |
|                 | (1)                                                              | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                             |                       |  |  |       |  |  | (2)       |  |
| Fixed Targets   | #                                                                | Name                                                                                                                                                                                                             |                               | Target Coordinates                                                                  |  |  |               | Targ. Coord. Corrections |                            |  |                              | Fluxes            |                 |  |                             | Miscellaneous         |  |  |       |  |  |           |  |
|                 | (190)                                                            | SDSSJ094451.01+123044.0                                                                                                                                                                                          |                               | RA: 09 44 51.0100 (146.2125417d)<br>Dec: +12 30 44.00 (12.51222d)<br>Equinox: J2000 |  |  |               |                          |                            |  |                              | V=(?)<br>g=18.5   |                 |  |                             | Reference Frame: ICRS |  |  |       |  |  |           |  |
| Exposures       | #                                                                | Label                                                                                                                                                                                                            | Target                        | Config,Mode,Aperture                                                                |  |  | Spectral Els. |                          | Opt. Params.               |  | Special Reqs.                |                   | Groups          |  | Exp. Time/[Actual Dur.]     |                       |  |  | Orbit |  |  |           |  |
|                 | 1                                                                | short                                                                                                                                                                                                            | (190) SDSSJ094451.01+123044.0 | WFPC2, IMAGE, PC1                                                                   |  |  | F814W         |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                   |                 |  | 30.0 Secs                   |                       |  |  |       |  |  |           |  |
|                 |                                                                  |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  | [==>]                       |                       |  |  | [1]   |  |  |           |  |
|                 | 2                                                                | long                                                                                                                                                                                                             | (190) SDSSJ094451.01+123044.0 | WFPC2, IMAGE, PC1                                                                   |  |  | F814W         |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                   | Pattern 2-2 (1) |  | 1200.0 Secs                 |                       |  |  |       |  |  |           |  |
|                 |                                                                  |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  | [==>600.0 Secs (Pattern 1)] |                       |  |  |       |  |  |           |  |
|                 |                                                                  |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  | [==>600.0 Secs (Pattern 2)] |                       |  |  | [1]   |  |  |           |  |
| Orbit Structure | <div><div>Orbit 1</div><div>Server Version: 20080807</div></div> |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                             |                       |  |  |       |  |  |           |  |

# Proposal 11130 - Visit 3N - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                       |                                                                                                         |                                                                                   |                      |                          |                                                                                                       |                 |                 |                                                            |           |       |
|-----------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|--------------------------|-------------------------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------|-----------|-------|
| Visit           | Proposal 11130, Visit 3N, scheduling                  |                                                                                                         |                                                                                   |                      |                          | Wed Nov 12 02:11:36 GMT 2008                                                                          |                 |                 |                                                            |           |       |
|                 | Diagnostic Status: No Diagnostics                     |                                                                                                         |                                                                                   |                      |                          |                                                                                                       |                 |                 |                                                            |           |       |
|                 | Scientific Instruments: WFPC2                         |                                                                                                         |                                                                                   |                      |                          |                                                                                                       |                 |                 |                                                            |           |       |
|                 | Special Requirements: (none)                          |                                                                                                         |                                                                                   |                      |                          |                                                                                                       |                 |                 |                                                            |           |       |
| Patterns        | #                                                     | Primary Pattern                                                                                         |                                                                                   |                      |                          | Secondary Pattern                                                                                     |                 |                 |                                                            | Exposures |       |
|                 | (1)                                                   | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing= |                                                                                   |                      |                          | Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                 |                 |                                                            | (2)       |       |
| Fixed Targets   | #                                                     | Name                                                                                                    | Target Coordinates                                                                |                      | Targ. Coord. Corrections |                                                                                                       | Fluxes          |                 | Miscellaneous                                              |           |       |
|                 | (191)                                                 | SDSSJ094705.72+050159.9                                                                                 | RA: 09 47 5.7200 (146.7738333d)<br>Dec: +05 01 59.90 (5.03331d)<br>Equinox: J2000 |                      |                          |                                                                                                       | V=(?)<br>g=18.5 |                 | Reference Frame: ICRS                                      |           |       |
| Exposures       | #                                                     | Label                                                                                                   | Target                                                                            | Config,Mode,Aperture | Spectral Els.            | Opt. Params.                                                                                          | Special Reqs.   | Groups          | Exp. Time/[Actual Dur.]                                    |           | Orbit |
|                 | 1                                                     | short                                                                                                   | (191) SDSSJ094705.72+050159.9                                                     | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |                 |                 | 30.0 Secs                                                  |           |       |
|                 |                                                       |                                                                                                         |                                                                                   |                      |                          |                                                                                                       |                 |                 | [==>]                                                      |           | [1]   |
|                 | 2                                                     | long                                                                                                    | (191) SDSSJ094705.72+050159.9                                                     | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |                 | Pattern 2-2 (1) | 1200.0 Secs                                                |           |       |
|                 |                                                       |                                                                                                         |                                                                                   |                      |                          |                                                                                                       |                 |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |           | [1]   |
| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div></div> |                                                                                                         |                                                                                   |                      |                          |                                                                                                       |                 |                 |                                                            |           |       |
|                 |                                                       |                                                                                                         |                                                                                   |                      |                          |                                                                                                       |                 |                 |                                                            |           |       |

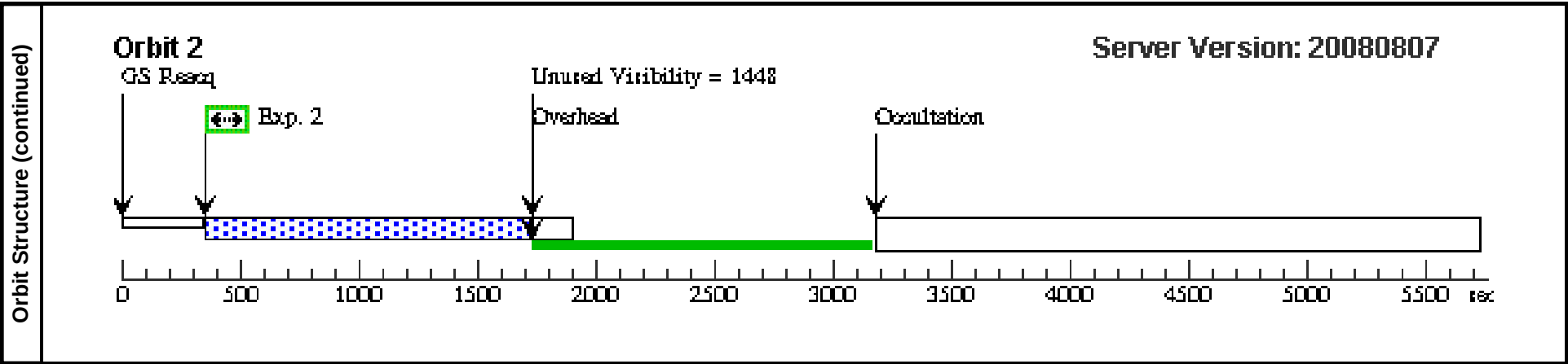


# Proposal 11130 - Visit 3O - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                       |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
|-----------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------|--|--|---------------|--------------------------|----------------------------|--|------------------------------|-------------------|-----------------|--|---------------------------------------------------------------------------|-----------------------|-------|--|--|--|--|-----------|--|
| Visit           | Proposal 11130, Visit 3O, scheduling                  |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  | Wed Nov 12 02:11:36 GMT 2008 |                   |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
|                 | Diagnostic Status: No Diagnostics                     |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
|                 | Scientific Instruments: WFPC2                         |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
|                 | Special Requirements: (none)                          |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
| Patterns        | #                                                     | Primary Pattern                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              | Secondary Pattern |                 |  |                                                                           |                       |       |  |  |  |  | Exposures |  |
|                 | (1)                                                   | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                                                                           |                       |       |  |  |  |  | (2)       |  |
| Fixed Targets   | #                                                     | Name                                                                                                                                                                                                             |                               | Target Coordinates                                                                  |  |  |               | Targ. Coord. Corrections |                            |  |                              | Fluxes            |                 |  |                                                                           | Miscellaneous         |       |  |  |  |  |           |  |
|                 | (192)                                                 | SDSSJ102252.20+464220.8                                                                                                                                                                                          |                               | RA: 10 22 52.2000 (155.7175000d)<br>Dec: +46 42 20.80 (46.70578d)<br>Equinox: J2000 |  |  |               |                          |                            |  |                              | V=(?)<br>g=18.9   |                 |  |                                                                           | Reference Frame: ICRS |       |  |  |  |  |           |  |
| Exposures       | #                                                     | Label                                                                                                                                                                                                            | Target                        | Config,Mode,Aperture                                                                |  |  | Spectral Els. |                          | Opt. Params.               |  | Special Reqs.                |                   | Groups          |  | Exp. Time/[Actual Dur.]                                                   |                       | Orbit |  |  |  |  |           |  |
|                 | 1                                                     | short                                                                                                                                                                                                            | (192) SDSSJ102252.20+464220.8 | WFPC2, IMAGE, PC1                                                                   |  |  | F814W         |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                   |                 |  | 30.0 Secs<br>[==>]                                                        |                       | [1]   |  |  |  |  |           |  |
|                 | 2                                                     | long                                                                                                                                                                                                             | (192) SDSSJ102252.20+464220.8 | WFPC2, IMAGE, PC1                                                                   |  |  | F814W         |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                   | Pattern 2-2 (1) |  | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |                       | [1]   |  |  |  |  |           |  |
|                 |                                                       |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div></div> |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                                                                           |                       |       |  |  |  |  |           |  |
|                 |                                                       |                                                                                                                                                                                                                  |                               |                                                                                     |  |  |               |                          |                            |  |                              |                   |                 |  |                                                                           |                       |       |  |  |  |  |           |  |

# Proposal 11130 - Visit 3P - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                   |               |                       |                         |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|-------------------|---------------|-----------------------|-------------------------|-----------|
| Visit           | Proposal 11130, Visit 3P, completed <span style="float: right;">Wed Nov 12 02:11:36 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                   |               |                       |                         |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                   |               |                       |                         |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern |               |                       |                         | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                   |               |                       |                         | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes            |               | Miscellaneous         |                         |           |
|                 | (193)                                                                                                     | SDSSJ103529.26+461140.3                                                                                                                                                                                                  | RA: 10 35 29.2600 (158.8719167d)<br>Dec: +46 11 40.30 (46.19453d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=18.6   |               | Reference Frame: ICRS |                         |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.      | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (193) SDSSJ103529.26+461140.3                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               |                       | 30.0 Secs               |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO       |               |                       | [=>]                    | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (193) SDSSJ103529.26+461140.3                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               | Pattern 2-2 (1)       | 1200.0 Secs             |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               | CR-SPLIT=NO       |               |                       | [=>(Pattern 1)]         | [1]       |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                   |               |                       | [=>(Pattern 2)]         | [2]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                   |               |                       |                         |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                     |                          |               |                   |               |                       |                         |           |



# Proposal 11130 - Visit 3Q - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                      |                                                                                                         |                                                                                    |                                                                                                       |                          |                              |                 |                 |                                                                           |           |       |
|-----------------|--------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------|------------------------------|-----------------|-----------------|---------------------------------------------------------------------------|-----------|-------|
| Visit           | Proposal 11130, Visit 3Q, scheduling |                                                                                                         |                                                                                    |                                                                                                       |                          | Wed Nov 12 02:11:37 GMT 2008 |                 |                 |                                                                           |           |       |
|                 | Diagnostic Status: No Diagnostics    |                                                                                                         |                                                                                    |                                                                                                       |                          |                              |                 |                 |                                                                           |           |       |
|                 | Scientific Instruments: WFPC2        |                                                                                                         |                                                                                    |                                                                                                       |                          |                              |                 |                 |                                                                           |           |       |
|                 | Special Requirements: (none)         |                                                                                                         |                                                                                    |                                                                                                       |                          |                              |                 |                 |                                                                           |           |       |
| Patterns        | #                                    | Primary Pattern                                                                                         |                                                                                    |                                                                                                       |                          | Secondary Pattern            |                 |                 |                                                                           | Exposures |       |
|                 | (1)                                  | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing= |                                                                                    | Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                          |                              |                 |                 |                                                                           | (2)       |       |
| Fixed Targets   | #                                    | Name                                                                                                    | Target Coordinates                                                                 |                                                                                                       | Targ. Coord. Corrections |                              | Fluxes          |                 | Miscellaneous                                                             |           |       |
|                 | (194)                                | SDSSJ110629.00+445103.4                                                                                 | RA: 11 06 29.0000 (166.6208333d)<br>Dec: +44 51 3.40 (44.85094d)<br>Equinox: J2000 |                                                                                                       |                          |                              | V=(?)<br>g=17.9 |                 | Reference Frame: ICRS                                                     |           |       |
| Exposures       | #                                    | Label                                                                                                   | Target                                                                             | Config,Mode,Aperture                                                                                  | Spectral Els.            | Opt. Params.                 | Special Reqs.   | Groups          | Exp. Time/[Actual Dur.]                                                   |           | Orbit |
|                 | 1                                    | short                                                                                                   | (194) SDSSJ110629.00+445103.4                                                      | WFPC2, IMAGE, PC1                                                                                     | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO   |                 |                 | 30.0 Secs<br>[==>]                                                        |           | [1]   |
|                 | 2                                    | long                                                                                                    | (194) SDSSJ110629.00+445103.4                                                      | WFPC2, IMAGE, PC1                                                                                     | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO   |                 | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |           | [1]   |
|                 |                                      |                                                                                                         |                                                                                    |                                                                                                       |                          |                              |                 |                 |                                                                           |           |       |
| Orbit Structure | Orbit 1                              |                                                                                                         |                                                                                    |                                                                                                       |                          |                              |                 |                 |                                                                           |           |       |
|                 | Server Version: 20080807             |                                                                                                         |                                                                                    |                                                                                                       |                          |                              |                 |                 |                                                                           |           |       |
|                 |                                      |                                                                                                         |                                                                                    |                                                                                                       |                          |                              |                 |                 |                                                                           |           |       |

# Proposal 11130 - Visit 3R - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 3R, scheduling <span style="float: right;">Wed Nov 12 02:11:37 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                              | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (195)                                                                                                                                                                                                                                                                                                                                                            | SDSSJ110912.39+612346.7                                                                                                                                                                                                  | RA: 11 09 12.3900 (167.3016250d)<br>Dec: +61 23 46.70 (61.39631d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=19.4            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                | short                                                                                                                                                                                                                    | (195) SDSSJ110912.39+612346.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                | long                                                                                                                                                                                                                     | (195) SDSSJ110912.39+612346.7                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>Timeline details:</p> <ul style="list-style-type: none"> <li>0 - 50s: GS Acq</li> <li>50 - 100s: Exp. 1</li> <li>100 - 150s: Exp. 2</li> <li>150 - 180s: Overhead</li> <li>180 - 220s: Pointing Maneuver</li> <li>220 - 270s: Exp. 2</li> <li>270 - 300s: Overhead</li> <li>300 - 320s: Unused Visibility = 102%</li> <li>320 - 5500s: Occultation</li> </ul> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 3S - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 3S, completed <span style="float: right;">Wed Nov 12 02:11:37 GMT 2008</span>                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                             |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                     | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                   | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                     | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (196)                                                                                                                                                                                                                                 | SDSSJ115812.53+575322.0                                                                                                                                                                                                  | RA: 11 58 12.5300 (179.5522083d)<br>Dec: +57 53 22.00 (57.88944d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=18.8            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                     | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                     | short                                                                                                                                                                                                                    | (196) SDSSJ115812.53+575322.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                     | long                                                                                                                                                                                                                     | (196) SDSSJ115812.53+575322.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Overhead      Unused Visibility = 1007      Occultation</p> <p>Timeline (seconds): 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 3T - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                 |                      |                          |                            |                 |                 |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|-----------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 3T, scheduling <span style="float: right;">Wed Nov 12 02:11:37 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                 |                      |                          |                            |                 |                 |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                 |                      |                          |                            |                 |                 |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                 |                      |                          | Secondary Pattern          |                 |                 |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                 |                      |                          |                            |                 |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                              |                      | Targ. Coord. Corrections |                            | Fluxes          |                 | Miscellaneous                                                             |           |
|                 | (197)                                                                                                                                                                                                             | SDSSJ011905.14+003745.0                                                                                                                                                                                                  | RA: 01 19 5.1400 (19.7714167d)<br>Dec: +00 37 45.00 (.62917d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g=19.4 |                 | Reference Frame: ICRS                                                     |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                          | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.   | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (197) SDSSJ011905.14+003745.0                                                   | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (197) SDSSJ011905.14+003745.0                                                   | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                 |                      |                          |                            |                 |                 |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                 |                      |                          |                            |                 |                 |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                 |                      |                          |                            |                 |                 |                                                                           |           |

# Proposal 11130 - Visit 3U - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                             |                                                                                                                                                                                                                          |                                                                                   |                          |                 |                       |               |                 |                                                            |           |
|-----------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|-----------------|-----------------------|---------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 3U, scheduling</b> <span style="float: right;">Wed Nov 12 02:11:37 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                   |                          |                 |                       |               |                 |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)   |                                                                                                                                                                                                                          |                                                                                   |                          |                 |                       |               |                 |                                                            |           |
| Patterns        | #                                                                                                           | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |                 | Secondary Pattern     |               |                 |                                                            | Exposures |
|                 | (1)                                                                                                         | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |                 |                       |               |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                           | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections | Fluxes          | Miscellaneous         |               |                 |                                                            |           |
|                 | (198)                                                                                                       | SDSSJ024825.26-002541.4                                                                                                                                                                                                  | RA: 02 48 25.2600 (42.1052500d)<br>Dec: -00 25 41.40 (-.42817d)<br>Equinox: J2000 |                          | V=(?)<br>g=19.8 | Reference Frame: ICRS |               |                 |                                                            |           |
| Exposures       | #                                                                                                           | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els.   | Opt. Params.          | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                           | short                                                                                                                                                                                                                    | (198) SDSSJ024825.26-002541.4                                                     | WFPC2, IMAGE, PC1        | F814W           | ATD-GAIN=7;           |               |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                             |                                                                                                                                                                                                                          |                                                                                   |                          |                 | CR-SPLIT=NO           |               |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                           | long                                                                                                                                                                                                                     | (198) SDSSJ024825.26-002541.4                                                     | WFPC2, IMAGE, PC1        | F814W           | ATD-GAIN=7;           |               | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                             |                                                                                                                                                                                                                          |                                                                                   |                          |                 | CR-SPLIT=NO           |               |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                  |                                                                                                                                                                                                                          |                                                                                   |                          |                 |                       |               |                 |                                                            |           |
|                 |                                                                                                             |                                                                                                                                                                                                                          |                                                                                   |                          |                 |                       |               |                 |                                                            |           |



# Proposal 11130 - Visit 3V - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                 |                          |               |                            |                            |                       |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|----------------------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 3V, scheduling <span style="float: right;">Wed Nov 12 02:11:37 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                |                                                                                                                                                                                                                          |                                                                                 |                          |               |                            |                            |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                 |                          |               |                            |                            |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                | Primary Pattern                                                                                                                                                                                                          |                                                                                 |                          |               | Secondary Pattern          |                            |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                              | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                 |                          |               |                            |                            |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                | Name                                                                                                                                                                                                                     | Target Coordinates                                                              | Targ. Coord. Corrections |               | Fluxes                     |                            | Miscellaneous         |                                                                           |           |
|                 | (199)                                                                                                                                                                                                                            | SDSSJ002145.79+003327.1                                                                                                                                                                                                  | RA: 00 21 45.7900 (5.4407917d)<br>Dec: +00 33 27.10 (.55753d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=19.2            |                            | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                | Label                                                                                                                                                                                                                    | Target                                                                          | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs.              | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                | short                                                                                                                                                                                                                    | (199) SDSSJ002145.79+003327.1                                                   | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO | GS ACQ SCENARI<br>O SINGLE |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                | long                                                                                                                                                                                                                     | (199) SDSSJ002145.79+003327.1                                                   | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |                            | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                 |                          |               |                            |                            |                       |                                                                           |           |
| Orbit Structure | <div> <div>Orbit 1</div> <div> <div>GS Acq</div> <div>Exp. 1</div> <div>Exp. 2</div> <div>Overhead</div> <div>Pointing Maneuver</div> <div>Unused Visibility = 1000</div> <div>Overhead</div> <div>Occlusion</div> </div> </div> |                                                                                                                                                                                                                          |                                                                                 |                          |               |                            |                            |                       |                                                                           |           |
|                 | <div> <div>Server Version: 20080807</div> </div>                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                 |                          |               |                            |                            |                       |                                                                           |           |

# Proposal 11130 - Visit 3W - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                 |                          |               |                   |               |                       |                                                            |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------|---------------|-------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 3W, scheduling <span style="float: right;">Wed Nov 12 02:11:37 GMT 2008</span>                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                 |                          |               |                   |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                 |                          |               |                   |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                 |                          |               | Secondary Pattern |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                 |                          |               |                   |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                              | Targ. Coord. Corrections |               | Fluxes            |               | Miscellaneous         |                                                            |           |
|                 | (200)                                                                                                                                                                                                                                              | SDSSJ000605.59-092007.0                                                                                                                                                                                                  | RA: 00 06 5.5900 (1.5232917d)<br>Dec: -09 20 7.00 (-9.33528d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=17.9   |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                          | Config,Mode,Aperture     | Spectral Els. | Opt. Params.      | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                  | short                                                                                                                                                                                                                    | (200) SDSSJ000605.59-092007.0                                                   | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                 |                          |               | CR-SPLIT=NO       |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                  | long                                                                                                                                                                                                                     | (200) SDSSJ000605.59-092007.0                                                   | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                 |                          |               | CR-SPLIT=NO       |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                 |                          |               |                   |               |                       |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                 |                          |               |                   |               |                       |                                                            |           |

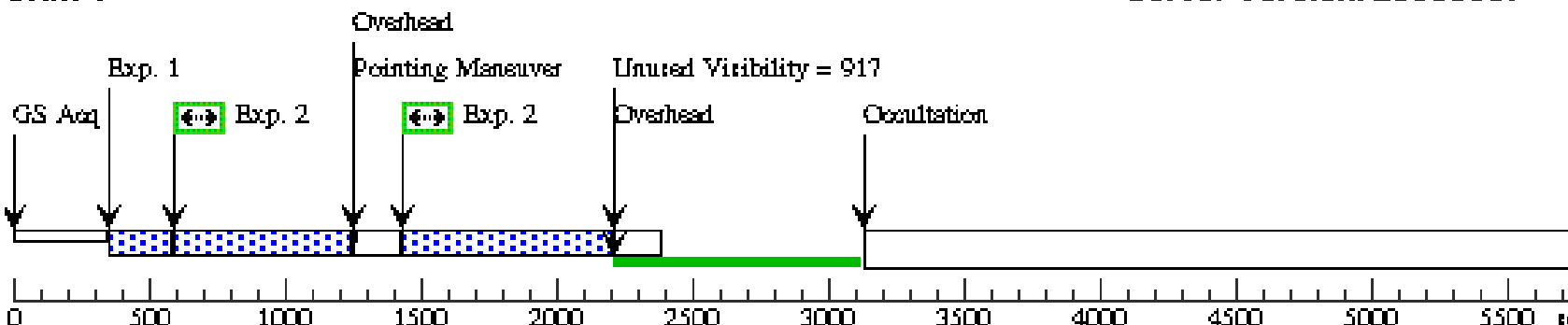
# Proposal 11130 - Visit 3X - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                  |                      |                          |                   |                 |                 |                                                            |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------|--------------------------|-------------------|-----------------|-----------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 3X, scheduling <span style="float: right;">Wed Nov 12 02:11:38 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                            |                                                                                                                                                                                                                          |                                                                                  |                      |                          |                   |                 |                 |                                                            |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                  |                      |                          |                   |                 |                 |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                  |                      |                          | Secondary Pattern |                 |                 |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                  |                      |                          |                   |                 |                 |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                               |                      | Targ. Coord. Corrections |                   | Fluxes          |                 | Miscellaneous                                              |           |
|                 | (201)                                                                                                                                                                                                                                                                        | SDSSJ003552.26+011249.4                                                                                                                                                                                                  | RA: 00 35 52.2600 (8.9677500d)<br>Dec: +01 12 49.40 (1.21372d)<br>Equinox: J2000 |                      |                          |                   | V=(?)<br>g=18.6 |                 | Reference Frame: ICRS                                      |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                           | Config,Mode,Aperture | Spectral Els.            | Opt. Params.      | Special Reqs.   | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (201) SDSSJ003552.26+011249.4                                                    | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;       |                 |                 | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                  |                      |                          | CR-SPLIT=NO       |                 |                 | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (201) SDSSJ003552.26+011249.4                                                    | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;       |                 | Pattern 2-2 (1) | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                  |                      |                          | CR-SPLIT=NO       |                 |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                  |                      |                          |                   |                 |                 |                                                            |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Overhead      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 917      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                  |                      |                          |                   |                 |                 |                                                            |           |

# Proposal 11130 - Visit 3Y - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|-------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 3Y, completed <span style="float: right;">Wed Nov 12 02:11:38 GMT 2008</span>       |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                   |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes            |               | Miscellaneous         |                                                            |           |
|                 | (202)                                                                                                     | SDSSJ023310.79-074813.3                                                                                                                                                                                                  | RA: 02 33 10.7900 (38.2949583d)<br>Dec: -07 48 13.30 (-7.80369d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=16.5   |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.      | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (202) SDSSJ023310.79-074813.3                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO       |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (202) SDSSJ023310.79-074813.3                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO       |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |

# Proposal 11130 - Visit 3Z - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                     |                                                                                                                                                                                                                  |                               |                                                                                  |  |  |               |                          |                            |  |                              |                   |                 |  |                             |                       |  |  |       |  |  |           |  |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------|--|--|---------------|--------------------------|----------------------------|--|------------------------------|-------------------|-----------------|--|-----------------------------|-----------------------|--|--|-------|--|--|-----------|--|
| Visit           | Proposal 11130, Visit 3Z, scheduling                                                                                                                |                                                                                                                                                                                                                  |                               |                                                                                  |  |  |               |                          |                            |  | Wed Nov 12 02:11:38 GMT 2008 |                   |                 |  |                             |                       |  |  |       |  |  |           |  |
|                 | Diagnostic Status: No Diagnostics                                                                                                                   |                                                                                                                                                                                                                  |                               |                                                                                  |  |  |               |                          |                            |  |                              |                   |                 |  |                             |                       |  |  |       |  |  |           |  |
|                 | Scientific Instruments: WFPC2                                                                                                                       |                                                                                                                                                                                                                  |                               |                                                                                  |  |  |               |                          |                            |  |                              |                   |                 |  |                             |                       |  |  |       |  |  |           |  |
|                 | Special Requirements: (none)                                                                                                                        |                                                                                                                                                                                                                  |                               |                                                                                  |  |  |               |                          |                            |  |                              |                   |                 |  |                             |                       |  |  |       |  |  |           |  |
| Patterns        | #                                                                                                                                                   | Primary Pattern                                                                                                                                                                                                  |                               |                                                                                  |  |  |               |                          |                            |  |                              | Secondary Pattern |                 |  |                             |                       |  |  |       |  |  | Exposures |  |
|                 | (1)                                                                                                                                                 | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                               |                                                                                  |  |  |               |                          |                            |  |                              |                   |                 |  |                             |                       |  |  |       |  |  | (2)       |  |
| Fixed Targets   | #                                                                                                                                                   | Name                                                                                                                                                                                                             |                               | Target Coordinates                                                               |  |  |               | Targ. Coord. Corrections |                            |  |                              | Fluxes            |                 |  |                             | Miscellaneous         |  |  |       |  |  |           |  |
|                 | (203)                                                                                                                                               | SDSSJ030258.11+004824.7                                                                                                                                                                                          |                               | RA: 03 02 58.1100 (45.7421250d)<br>Dec: +00 48 24.70 (.80686d)<br>Equinox: J2000 |  |  |               |                          |                            |  |                              | V=(?)<br>g=19.6   |                 |  |                             | Reference Frame: ICRS |  |  |       |  |  |           |  |
| Exposures       | #                                                                                                                                                   | Label                                                                                                                                                                                                            | Target                        | Config,Mode,Aperture                                                             |  |  | Spectral Els. |                          | Opt. Params.               |  | Special Reqs.                |                   | Groups          |  | Exp. Time/[Actual Dur.]     |                       |  |  | Orbit |  |  |           |  |
|                 | 1                                                                                                                                                   | short                                                                                                                                                                                                            | (203) SDSSJ030258.11+004824.7 | WFPC2, IMAGE, PC1                                                                |  |  | F814W         |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                   |                 |  | 30.0 Secs                   |                       |  |  |       |  |  |           |  |
|                 |                                                                                                                                                     |                                                                                                                                                                                                                  |                               |                                                                                  |  |  |               |                          |                            |  |                              |                   |                 |  | [==>]                       |                       |  |  | [1]   |  |  |           |  |
|                 | 2                                                                                                                                                   | long                                                                                                                                                                                                             | (203) SDSSJ030258.11+004824.7 | WFPC2, IMAGE, PC1                                                                |  |  | F814W         |                          | ATD-GAIN=7;<br>CR-SPLIT=NO |  |                              |                   | Pattern 2-2 (1) |  | 1200.0 Secs                 |                       |  |  |       |  |  |           |  |
|                 |                                                                                                                                                     |                                                                                                                                                                                                                  |                               |                                                                                  |  |  |               |                          |                            |  |                              |                   |                 |  | [==>600.0 Secs (Pattern 1)] |                       |  |  |       |  |  |           |  |
|                 |                                                                                                                                                     |                                                                                                                                                                                                                  |                               |                                                                                  |  |  |               |                          |                            |  |                              |                   |                 |  | [==>600.0 Secs (Pattern 2)] |                       |  |  | [1]   |  |  |           |  |
| Orbit Structure | <div><div>Orbit 1</div><div>Server Version: 20080807</div></div> |                                                                                                                                                                                                                  |                               |                                                                                  |  |  |               |                          |                            |  |                              |                   |                 |  |                             |                       |  |  |       |  |  |           |  |

# Proposal 11130 - Visit 4A - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                       |                                                                                                                                                                                                                  |                                                                                 |                      |                          |                              |                       |                 |                                                                           |       |
|-----------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------|--------------------------|------------------------------|-----------------------|-----------------|---------------------------------------------------------------------------|-------|
| Visit           | Proposal 11130, Visit 4A, scheduling                  |                                                                                                                                                                                                                  |                                                                                 |                      |                          | Wed Nov 12 02:11:38 GMT 2008 |                       |                 |                                                                           |       |
|                 | Diagnostic Status: No Diagnostics                     |                                                                                                                                                                                                                  |                                                                                 |                      |                          |                              |                       |                 |                                                                           |       |
|                 | Scientific Instruments: WFPC2                         |                                                                                                                                                                                                                  |                                                                                 |                      |                          |                              |                       |                 |                                                                           |       |
|                 | Special Requirements: (none)                          |                                                                                                                                                                                                                  |                                                                                 |                      |                          |                              |                       |                 |                                                                           |       |
| Patterns        | #                                                     | Primary Pattern                                                                                                                                                                                                  |                                                                                 |                      | Secondary Pattern        |                              | Exposures             |                 |                                                                           |       |
|                 | (1)                                                   | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                                                                                 |                      |                          |                              | (2)                   |                 |                                                                           |       |
| Fixed Targets   | #                                                     | Name                                                                                                                                                                                                             | Target Coordinates                                                              |                      | Targ. Coord. Corrections | Fluxes                       | Miscellaneous         |                 |                                                                           |       |
|                 | (204)                                                 | SDSSJ032515.59+003408.4                                                                                                                                                                                          | RA: 03 25 15.5900 (51.3149583d)<br>Dec: +00 34 8.40 (.56900d)<br>Equinox: J2000 |                      |                          | V=(?)<br>g=19.0              | Reference Frame: ICRS |                 |                                                                           |       |
| Exposures       | #                                                     | Label                                                                                                                                                                                                            | Target                                                                          | Config,Mode,Aperture | Spectral Els.            | Opt. Params.                 | Special Reqs.         | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit |
|                 | 1                                                     | short                                                                                                                                                                                                            | (204) SDSSJ032515.59+003408.4                                                   | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO   |                       |                 | 30.0 Secs<br>[==>]                                                        | [1]   |
|                 | 2                                                     | long                                                                                                                                                                                                             | (204) SDSSJ032515.59+003408.4                                                   | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO   |                       | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]   |
|                 |                                                       |                                                                                                                                                                                                                  |                                                                                 |                      |                          |                              |                       |                 |                                                                           |       |
| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div></div> |                                                                                                                                                                                                                  |                                                                                 |                      |                          |                              |                       |                 |                                                                           |       |

# Proposal 11130 - Visit 4B - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|-----------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4B, completed <span style="float: right;">Wed Nov 12 02:11:38 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
| Patterns        | #                                                                                                   | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                      |                          | Secondary Pattern          |                 |                 |                                                                           | Exposures |
|                 | (1)                                                                                                 | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                      |                          |                            |                 |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                   | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |                            | Fluxes          |                 | Miscellaneous                                                             |           |
|                 | (205)                                                                                               | SDSSJ074836.80+182154.2                                                                                                                                                                                                  | RA: 07 48 36.8000 (117.1533333d)<br>Dec: +18 21 54.20 (18.36506d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g=18.3 |                 | Reference Frame: ICRS                                                     |           |
| Exposures       | #                                                                                                   | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.   | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                   | short                                                                                                                                                                                                                    | (205) SDSSJ074836.80+182154.2                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                   | long                                                                                                                                                                                                                     | (205) SDSSJ074836.80+182154.2                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
| Orbit Structure | Orbit 1 <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |

# Proposal 11130 - Visit 4C - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|-----------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4C, scheduling <span style="float: right;">Wed Nov 12 02:11:38 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                      |                          | Secondary Pattern          |                 |                 |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                      |                          |                            |                 |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |                            | Fluxes          |                 | Miscellaneous                                                             |           |
|                 | (206)                                                                                                                                                                                                             | SDSSJ080223.56+484637.0                                                                                                                                                                                                  | RA: 08 02 23.5600 (120.5981667d)<br>Dec: +48 46 37.00 (48.77694d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g=18.5 |                 | Reference Frame: ICRS                                                     |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.   | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (206) SDSSJ080223.56+484637.0                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 |                 | 30.0 Secs<br>[==>]                                                        |           |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (206) SDSSJ080223.56+484637.0                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
| Orbit Structure | <div> <div>Orbit 1</div> <div>Server Version: 20080807</div> </div>                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |



# Proposal 11130 - Visit 4D - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4D, scheduling <span style="float: right;">Wed Nov 12 02:11:38 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (207)                                                                                                                                                                                                                                                          | SDSSJ080352.98+263123.3                                                                                                                                                                                                  | RA: 08 03 52.9800 (120.9707500d)<br>Dec: +26 31 23.30 (26.52314d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=16.1            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                                    | (207) SDSSJ080352.98+263123.3                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                                     | (207) SDSSJ080352.98+263123.3                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Exp. 2      Overhead      Unused Visibility = 934      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 4E - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4E, scheduling <span style="float: right;">Wed Nov 12 02:11:41 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (208)                                                                                                                                                                                                             | SDSSJ081825.15+472950.3                                                                                                                                                                                                  | RA: 08 18 25.1500 (124.6047917d)<br>Dec: +47 29 50.30 (47.49731d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=18.1            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (208) SDSSJ081825.15+472950.3                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (208) SDSSJ081825.15+472950.3                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

Proposal 11130 - Visit 4F - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|-----------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4F, scheduling <span>Wed Nov 12 02:11:41 GMT 2008</span>                     |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
| Patterns        | #                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                      |                          | Secondary Pattern          |                 |                 |                                                                           | Exposures |
|                 | (1)                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                      |                          |                            |                 |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 |                      | Targ. Coord. Corrections |                            | Fluxes          |                 | Miscellaneous                                                             |           |
|                 | (209)                                                                                              | SDSSJ082036.81+470706.4                                                                                                                                                                                                  | RA: 08 20 36.8100 (125.1533750d)<br>Dec: +47 07 6.40 (47.11844d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g=17.6 |                 | Reference Frame: ICRS                                                     |           |
| Exposures       | #                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.   | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                  | short                                                                                                                                                                                                                    | (209) SDSSJ082036.81+470706.4                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                  | long                                                                                                                                                                                                                     | (209) SDSSJ082036.81+470706.4                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
| Orbit Structure | Orbit 1 <span>Server Version: 20080807</span>                                                      |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |

# Proposal 11130 - Visit 4G - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                   |                          |               |                   |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|---------------|-------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4G, completed <span style="float: right;">Wed Nov 12 02:11:41 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                          |                                                                                   |                          |               |                   |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                   |                          |               |                   |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |               | Secondary Pattern |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |               |                   |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections |               | Fluxes            |               | Miscellaneous         |                                                            |           |
|                 | (210)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SDSSJ082325.91+065106.4                                                                                                                                                                                                  | RA: 08 23 25.9100 (125.8579583d)<br>Dec: +06 51 6.40 (6.85178d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=16.9   |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els. | Opt. Params.      | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | short                                                                                                                                                                                                                    | (210) SDSSJ082325.91+065106.4                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO       |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | long                                                                                                                                                                                                                     | (210) SDSSJ082325.91+065106.4                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO       |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |                                                                                   |                          |               |                   |               |                       |                                                            |           |
|                 | <p>The diagram illustrates the timeline of Orbit 1, showing the sequence of events and their durations. The timeline is marked in seconds from 0 to 5500. Key events include:</p> <ul style="list-style-type: none"> <li><b>GS Acq</b>: Ground Station Acquisition at the start of the orbit.</li> <li><b>Exp. 1</b>: First exposure, occurring between 50 and 100 seconds.</li> <li><b>Exp. 2</b>: Second exposure, occurring between 100 and 150 seconds.</li> <li><b>Pointing Maneuver</b>: A period of 50 seconds (150-200s) where the telescope is repositioned.</li> <li><b>Overhead</b>: Two overhead periods, each 50 seconds long (200-250s and 300-350s).</li> <li><b>Unused Visibility = 917</b>: A period of 50 seconds (350-400s) where the target is visible but not observed.</li> <li><b>Occultation</b>: A period of 5100 seconds (400-5500s) where the target is obscured by the Earth's limb.</li> </ul> |                                                                                                                                                                                                                          |                                                                                   |                          |               |                   |               |                       |                                                            |           |

# Proposal 11130 - Visit 4H - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4H, scheduling <span style="float: right;">Wed Nov 12 02:11:41 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (211)                                                                                                                                                                                                             | SDSSJ083019.66+084725.1                                                                                                                                                                                                  | RA: 08 30 19.6000 (127.5816667d)<br>Dec: +08 47 25.10 (8.79031d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=16.9            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (211) SDSSJ083019.66+084725.1                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (211) SDSSJ083019.66+084725.1                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span><br>                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 4I - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |               |                       |                             |                              |       |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|-----------------------------|------------------------------|-------|
| Visit           | Proposal 11130, Visit 4I, scheduling                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |               |                       |                             | Wed Nov 12 02:11:41 GMT 2008 |       |
|                 | Diagnostic Status: No Diagnostics                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |               |                       |                             |                              |       |
|                 | Scientific Instruments: WFPC2                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |               |                       |                             |                              |       |
|                 | Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |               |                       |                             |                              |       |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                  |                                                                                    |                      |                          |               | Secondary Pattern          |               |                       | Exposures                   |                              |       |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                                                                                    |                      |                          |               |                            |               |                       | (2)                         |                              |       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                             | Target Coordinates                                                                 |                      | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                             |                              |       |
|                 | (212)                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SDSSJ083803.67+540642.2                                                                                                                                                                                          | RA: 08 38 3.6700 (129.5152917d)<br>Dec: +54 06 42.20 (54.11172d)<br>Equinox: J2000 |                      |                          |               | V=(?)<br>g=17.9            |               | Reference Frame: ICRS |                             |                              |       |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                            | Target                                                                             | Config,Mode,Aperture |                          | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]     |                              | Orbit |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                            | (212) SDSSJ083803.67+540642.2                                                      | WFPC2, IMAGE, PC1    |                          | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs                   |                              |       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |               |                       | [==>]                       |                              | [1]   |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                             | (212) SDSSJ083803.67+540642.2                                                      | WFPC2, IMAGE, PC1    |                          | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs                 |                              |       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |               |                       | [==>600.0 Secs (Pattern 1)] |                              |       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |               |                       | [==>600.0 Secs (Pattern 2)] |                              | [1]   |
| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div><p>The diagram shows a timeline from 0 to 5500 seconds. Key events include: GS Acq at ~100s, Exp. 1 at ~300s, Exp. 2 at ~600s, Pointing Maneuver at ~1200s, Overhead at ~1400s, Unused Visibility = 985 at ~2200s, and Occultation at ~3200s. The timeline is divided into segments with different patterns: blue checkered for observations, green for pointing, and white for overhead/occultation.</p></div> |                                                                                                                                                                                                                  |                                                                                    |                      |                          |               |                            |               |                       |                             |                              |       |

# Proposal 11130 - Visit 4J - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                  |                                                                                     |                          |                   |                              |               |                 |                                                                           |       |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|-------------------|------------------------------|---------------|-----------------|---------------------------------------------------------------------------|-------|
| Visit           | Proposal 11130, Visit 4J, scheduling                                                                                                                                                                                                                                           |                                                                                                                                                                                                                  |                                                                                     |                          |                   | Wed Nov 12 02:11:42 GMT 2008 |               |                 |                                                                           |       |
|                 | Diagnostic Status: No Diagnostics                                                                                                                                                                                                                                              |                                                                                                                                                                                                                  |                                                                                     |                          |                   |                              |               |                 |                                                                           |       |
|                 | Scientific Instruments: WFPC2                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                  |                                                                                     |                          |                   |                              |               |                 |                                                                           |       |
|                 | Special Requirements: (none)                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                  |                                                                                     |                          |                   |                              |               |                 |                                                                           |       |
| Patterns        | #                                                                                                                                                                                                                                                                              | Primary Pattern                                                                                                                                                                                                  |                                                                                     |                          | Secondary Pattern |                              | Exposures     |                 |                                                                           |       |
|                 | (1)                                                                                                                                                                                                                                                                            | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing=<br>Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                                                                                     |                          |                   |                              | (2)           |                 |                                                                           |       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                              | Name                                                                                                                                                                                                             | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes            | Miscellaneous                |               |                 |                                                                           |       |
|                 | (213)                                                                                                                                                                                                                                                                          | SDSSJ084013.23+412357.0                                                                                                                                                                                          | RA: 08 40 13.2300 (130.0551250d)<br>Dec: +41 23 57.00 (41.39917d)<br>Equinox: J2000 |                          | V=(?)<br>g=16.2   | Reference Frame: ICRS        |               |                 |                                                                           |       |
| Exposures       | #                                                                                                                                                                                                                                                                              | Label                                                                                                                                                                                                            | Target                                                                              | Config,Mode,Aperture     | Spectral Els.     | Opt. Params.                 | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit |
|                 | 1                                                                                                                                                                                                                                                                              | short                                                                                                                                                                                                            | (213) SDSSJ084013.23+412357.0                                                       | WFPC2, IMAGE, PC1        | F814W             | ATD-GAIN=7;<br>CR-SPLIT=NO   |               |                 | 30.0 Secs<br>[==>]                                                        | [1]   |
|                 | 2                                                                                                                                                                                                                                                                              | long                                                                                                                                                                                                             | (213) SDSSJ084013.23+412357.0                                                       | WFPC2, IMAGE, PC1        | F814W             | ATD-GAIN=7;<br>CR-SPLIT=NO   |               | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]   |
|                 |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                  |                                                                                     |                          |                   |                              |               |                 |                                                                           |       |
| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div><p>GS Acq    Exp. 1    Exp. 2    Pointing Maneuver    Exp. 2    Overhead    Unused Visibility = 954    Occultation</p><p>0    500    1000    1500    2000    2500    3000    3500    4000    4500    5000    5500 sec</p></div> |                                                                                                                                                                                                                  |                                                                                     |                          |                   |                              |               |                 |                                                                           |       |

Proposal 11130 - Visit 4K - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|-----------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4K, completed <span>Wed Nov 12 02:11:42 GMT 2008</span>                      |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
| Patterns        | #                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                      |                          | Secondary Pattern          |                 |                 |                                                                           | Exposures |
|                 | (1)                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                      |                          |                            |                 |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 |                      | Targ. Coord. Corrections |                            | Fluxes          |                 | Miscellaneous                                                             |           |
|                 | (214)                                                                                              | SDSSJ090031.76+432709.0                                                                                                                                                                                                  | RA: 09 00 31.7600 (135.1323333d)<br>Dec: +43 27 9.00 (43.45250d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g=17.6 |                 | Reference Frame: ICRS                                                     |           |
| Exposures       | #                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.   | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                  | short                                                                                                                                                                                                                    | (214) SDSSJ090031.76+432709.0                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 |                 | 30.0 Secs<br>[==>]                                                        |           |
|                 | 2                                                                                                  | long                                                                                                                                                                                                                     | (214) SDSSJ090031.76+432709.0                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
| Orbit Structure | <div> <div>Orbit 1</div> <div>Server Version: 20080807</div> </div>                                |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |



# Proposal 11130 - Visit 4L - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|-------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4L, completed <span style="float: right;">Wed Nov 12 02:11:42 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
| Patterns        | #                                                                                                   | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                 | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                   |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                   | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes            |               | Miscellaneous         |                                                            |           |
|                 | (215)                                                                                               | SDSSJ091032.80+040832.4                                                                                                                                                                                                  | RA: 09 10 32.8000 (137.6366667d)<br>Dec: +04 08 32.40 (4.14233d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=17.0   |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                   | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.      | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                   | short                                                                                                                                                                                                                    | (215) SDSSJ091032.80+040832.4                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO       |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                   | long                                                                                                                                                                                                                     | (215) SDSSJ091032.80+040832.4                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO       |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | Orbit 1 <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|                 |                                                                                                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |

# Proposal 11130 - Visit 4M - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                        |                         |                                                                                    |                           |                          |                            |                   |                 |                                                                           |       |                              |
|-----------------|--------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------|---------------------------|--------------------------|----------------------------|-------------------|-----------------|---------------------------------------------------------------------------|-------|------------------------------|
| Visit           | Proposal 11130, Visit 4M, scheduling                   |                         |                                                                                    |                           |                          |                            |                   |                 |                                                                           |       | Wed Nov 12 02:11:42 GMT 2008 |
|                 | Diagnostic Status: No Diagnostics                      |                         |                                                                                    |                           |                          |                            |                   |                 |                                                                           |       |                              |
|                 | Scientific Instruments: WFPC2                          |                         |                                                                                    |                           |                          |                            |                   |                 |                                                                           |       |                              |
|                 | Special Requirements: (none)                           |                         |                                                                                    |                           |                          |                            |                   |                 |                                                                           |       |                              |
| Patterns        | #                                                      | Primary Pattern         |                                                                                    |                           |                          |                            | Secondary Pattern |                 |                                                                           |       | Exposures                    |
|                 | (1)                                                    | Pattern Type=WFPC2-LINE |                                                                                    | Coordinate Frame=POS-TARG |                          |                            |                   |                 |                                                                           |       | (2)                          |
|                 |                                                        | Purpose=DITHER          |                                                                                    | Pattern Orientation=45.0  |                          |                            |                   |                 |                                                                           |       |                              |
|                 |                                                        | Number Of Points=2      |                                                                                    | Angle Between Sides=      |                          |                            |                   |                 |                                                                           |       |                              |
|                 |                                                        | Point Spacing=0.704     |                                                                                    | Center Pattern=false      |                          |                            |                   |                 |                                                                           |       |                              |
|                 |                                                        | Line Spacing=           |                                                                                    |                           |                          |                            |                   |                 |                                                                           |       |                              |
| Fixed Targets   | #                                                      | Name                    | Target Coordinates                                                                 |                           | Targ. Coord. Corrections |                            | Fluxes            |                 | Miscellaneous                                                             |       |                              |
|                 | (216)                                                  | SDSSJ091102.33+550022.9 | RA: 09 11 2.3300 (137.7597083d)<br>Dec: +55 00 22.90 (55.00636d)<br>Equinox: J2000 |                           |                          |                            | V=(?)<br>g=17.5   |                 | Reference Frame: ICRS                                                     |       |                              |
| Exposures       | #                                                      | Label                   | Target                                                                             | Config,Mode,Aperture      | Spectral Els.            | Opt. Params.               | Special Reqs.     | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit |                              |
|                 | 1                                                      | short                   | (216) SDSSJ091102.33+550022.9                                                      | WFPC2, IMAGE, PC1         | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                   |                 | 30.0 Secs<br>[==>]                                                        | [1]   |                              |
|                 | 2                                                      | long                    | (216) SDSSJ091102.33+550022.9                                                      | WFPC2, IMAGE, PC1         | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                   | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]   |                              |
|                 |                                                        |                         |                                                                                    |                           |                          |                            |                   |                 |                                                                           |       |                              |
|                 |                                                        |                         |                                                                                    |                           |                          |                            |                   |                 |                                                                           |       |                              |
| Orbit Structure | <div>Orbit 1</div> <div>Server Version: 20080807</div> |                         |                                                                                    |                           |                          |                            |                   |                 |                                                                           |       |                              |
|                 |                                                        |                         |                                                                                    |                           |                          |                            |                   |                 |                                                                           |       |                              |

# Proposal 11130 - Visit 4N - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                     |                          |                 |                            |               |                 |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|-----------------|----------------------------|---------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 4N, scheduling</b> <span style="float: right;">Wed Nov 12 02:11:43 GMT 2008</span> |                                                                                                                                                                                                                                                    |                                                                                     |                          |                 |                            |               |                 |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)   |                                                                                                                                                                                                                                                    |                                                                                     |                          |                 |                            |               |                 |                                                                           |           |
| Patterns        | #                                                                                                           | Primary Pattern                                                                                                                                                                                                                                    |                                                                                     |                          |                 | Secondary Pattern          |               |                 |                                                                           | Exposures |
|                 | (1)                                                                                                         | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER                  Pattern Orientation=45.0<br>Number Of Points=2              Angle Between Sides=<br>Point Spacing=0.704            Center Pattern=false<br>Line Spacing= |                                                                                     |                          |                 |                            |               |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                           | Name                                                                                                                                                                                                                                               | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes          | Miscellaneous              |               |                 |                                                                           |           |
|                 | (217)                                                                                                       | SDSSJ095306.81+365028.0                                                                                                                                                                                                                            | RA: 09 53 6.8100 (148.2783750d)<br>Dec: +36 50 28.00 (36.841111d)<br>Equinox: J2000 |                          | V=(?)<br>g=16.5 | Reference Frame: ICRS      |               |                 |                                                                           |           |
| Exposures       | #                                                                                                           | Label                                                                                                                                                                                                                                              | Target                                                                              | Config,Mode,Aperture     | Spectral Els.   | Opt. Params.               | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                           | short                                                                                                                                                                                                                                              | (217) SDSSJ095306.81+365028.0                                                       | WFPC2, IMAGE, PC1        | F814W           | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                           | long                                                                                                                                                                                                                                               | (217) SDSSJ095306.81+365028.0                                                       | WFPC2, IMAGE, PC1        | F814W           | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                     |                          |                 |                            |               |                 |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;"><b>Server Version: 20080807</b></span>                           |                                                                                                                                                                                                                                                    |                                                                                     |                          |                 |                            |               |                 |                                                                           |           |
|                 |                                                                                                             |                                                                                                                                                                                                                                                    |                                                                                     |                          |                 |                            |               |                 |                                                                           |           |

# Proposal 11130 - Visit 4O - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 4O, completed</b> <span style="float: right;">Wed Nov 12 02:11:43 GMT 2008</span> |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)  |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (218)                                                                                                      | SDSSJ102124.87+012720.3                                                                                                                                                                                                  | RA: 10 21 24.8700 (155.3536250d)<br>Dec: +01 27 20.30 (1.45564d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=17.0            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                          | short                                                                                                                                                                                                                    | (218) SDSSJ102124.87+012720.3                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                          | long                                                                                                                                                                                                                     | (218) SDSSJ102124.87+012720.3                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                 |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                            |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

Proposal 11130 - Visit 4P - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|-----------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4P, completed <span>Wed Nov 12 02:11:43 GMT 2008</span>                      |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
| Patterns        | #                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                      |                          | Secondary Pattern          |                 |                 |                                                                           | Exposures |
|                 | (1)                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                      |                          |                            |                 |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 |                      | Targ. Coord. Corrections |                            | Fluxes          |                 | Miscellaneous                                                             |           |
|                 | (219)                                                                                              | SDSSJ104842.45+413302.3                                                                                                                                                                                                  | RA: 10 48 42.4500 (162.1768750d)<br>Dec: +41 33 2.30 (41.55064d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g=16.9 |                 | Reference Frame: ICRS                                                     |           |
| Exposures       | #                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.   | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                  | short                                                                                                                                                                                                                    | (219) SDSSJ104842.45+413302.3                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                  | long                                                                                                                                                                                                                     | (219) SDSSJ104842.45+413302.3                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
| Orbit Structure | Orbit 1 <span>Server Version: 20080807</span>                                                      |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |
|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                      |                          |                            |                 |                 |                                                                           |           |

# Proposal 11130 - Visit 4Q - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 4Q, completed</b> <span style="float: right;">Wed Nov 12 02:11:43 GMT 2008</span>                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (220)                                                                                                                                                                                                                                                                        | SDSSJ105424.29+454130.5                                                                                                                                                                                                  | RA: 10 54 24.2900 (163.6012083d)<br>Dec: +45 41 30.50 (45.69181d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=17.3            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (220) SDSSJ105424.29+454130.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (220) SDSSJ105424.29+454130.5                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>GS Acq      Exp. 1      Exp. 2      Pointing Maneuver      Overhead      Exp. 2      Overhead      Unused Visibility = 96%      Occultation</p> <p>0      500      1000      1500      2000      2500      3000      3500      4000      4500      5000      5500 sec</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 4R - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                         |                               |                                                                                    |  |                          |  |                                                                                                       |  |                       |  |                 |  |                                                                           |  |       |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------|--|--------------------------|--|-------------------------------------------------------------------------------------------------------|--|-----------------------|--|-----------------|--|---------------------------------------------------------------------------|--|-------|
| Visit           | Proposal 11130, Visit 4R, scheduling                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                         |                               |                                                                                    |  |                          |  | Wed Nov 12 02:11:43 GMT 2008                                                                          |  |                       |  |                 |  |                                                                           |  |       |
|                 | Diagnostic Status: No Diagnostics                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                         |                               |                                                                                    |  |                          |  |                                                                                                       |  |                       |  |                 |  |                                                                           |  |       |
|                 | Scientific Instruments: WFPC2                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                         |                               |                                                                                    |  |                          |  |                                                                                                       |  |                       |  |                 |  |                                                                           |  |       |
|                 | Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                         |                               |                                                                                    |  |                          |  |                                                                                                       |  |                       |  |                 |  |                                                                           |  |       |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Primary Pattern                                                                                         |                               |                                                                                    |  |                          |  | Secondary Pattern                                                                                     |  |                       |  |                 |  | Exposures                                                                 |  |       |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing= |                               |                                                                                    |  |                          |  | Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |  |                       |  |                 |  | (2)                                                                       |  |       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Name                                                                                                    |                               | Target Coordinates                                                                 |  | Targ. Coord. Corrections |  | Fluxes                                                                                                |  | Miscellaneous         |  |                 |  |                                                                           |  |       |
|                 | (221)                                                                                                                                                                                                                                                                                                                                                                                                                                              | SDSSJ111547.46+502405.6                                                                                 |                               | RA: 11 15 47.4600 (168.9477500d)<br>Dec: +50 24 5.60 (50.40156d)<br>Equinox: J2000 |  |                          |  | V=(?)<br>g=17.4                                                                                       |  | Reference Frame: ICRS |  |                 |  |                                                                           |  |       |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Label                                                                                                   | Target                        | Config,Mode,Aperture                                                               |  | Spectral Els.            |  | Opt. Params.                                                                                          |  | Special Reqs.         |  | Groups          |  | Exp. Time/[Actual Dur.]                                                   |  | Orbit |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                  | short                                                                                                   | (221) SDSSJ111547.46+502405.6 | WFPC2, IMAGE, PC1                                                                  |  | F814W                    |  | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |  |                       |  |                 |  | 30.0 Secs                                                                 |  |       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                         |                               |                                                                                    |  |                          |  |                                                                                                       |  |                       |  |                 |  | [==>]                                                                     |  | [1]   |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                  | long                                                                                                    | (221) SDSSJ111547.46+502405.6 | WFPC2, IMAGE, PC1                                                                  |  | F814W                    |  | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |  |                       |  | Pattern 2-2 (1) |  | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |  | [1]   |
| Orbit Structure | <div><div>Orbit 1</div><div>Server Version: 20080807</div><div>GS Acq</div><div>Exp. 1</div><div>Exp. 2</div><div>Pointing Maneuver</div><div>Overhead</div><div>Exp. 2</div><div>Overhead</div><div>Unused Visibility = 985</div><div>Occultation</div><div>0</div><div>500</div><div>1000</div><div>1500</div><div>2000</div><div>2500</div><div>3000</div><div>3500</div><div>4000</div><div>4500</div><div>5000</div><div>5500 sec</div></div> |                                                                                                         |                               |                                                                                    |  |                          |  |                                                                                                       |  |                       |  |                 |  |                                                                           |  |       |

# Proposal 11130 - Visit 4S - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|-------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4S, scheduling <span style="float: right;">Wed Nov 12 02:11:43 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                   |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes            |               | Miscellaneous         |                                                            |           |
|                 | (222)                                                                                                                                                                                                             | SDSSJ112333.56+671109.9                                                                                                                                                                                                  | RA: 11 23 33.5600 (170.8898333d)<br>Dec: +67 11 9.90 (67.18608d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=17.8   |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.      | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (222) SDSSJ112333.56+671109.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO       |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (222) SDSSJ112333.56+671109.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO       |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |



# Proposal 11130 - Visit 4T - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                           |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 4T, completed</b> <span style="float: right;">Wed Nov 12 02:11:43 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                           |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                           |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Primary Pattern                                                                                                                                                                                                                           |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER              Pattern Orientation=45.0<br>Number Of Points=2           Angle Between Sides=<br>Point Spacing=0.704          Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Name                                                                                                                                                                                                                                      | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (223)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SDSSJ112637.74+513423.0                                                                                                                                                                                                                   | RA: 11 26 37.7400 (171.6572500d)<br>Dec: +51 34 23.00 (51.57306d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=15.9            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Label                                                                                                                                                                                                                                     | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | short                                                                                                                                                                                                                                     | (223) SDSSJ112637.74+513423.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | long                                                                                                                                                                                                                                      | (223) SDSSJ112637.74+513423.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                           |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                           |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>The diagram illustrates the timeline of Orbit 1, starting at 0 seconds and ending at 5500 seconds. Key events and their durations are as follows:</p> <ul style="list-style-type: none"> <li><b>GS Acq:</b> Starts at approximately 100 seconds.</li> <li><b>Exp. 1:</b> Starts at approximately 300 seconds and lasts for 30.0 seconds.</li> <li><b>Exp. 2:</b> Starts at approximately 600 seconds and lasts for 1200.0 seconds.</li> <li><b>Pointing Maneuver:</b> Occurs at approximately 1300 seconds.</li> <li><b>Exp. 2:</b> A second exposure starts at approximately 1500 seconds and lasts for 1200.0 seconds.</li> <li><b>Unused Visibility = 985:</b> A period of 985 seconds of unused visibility starting at approximately 2200 seconds.</li> <li><b>Occultation:</b> Begins at approximately 3200 seconds and continues until the end of the orbit at 5500 seconds.</li> </ul> |                                                                                                                                                                                                                                           |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

Proposal 11130 - Visit 4U - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|-----------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4U, completed <span>Wed Nov 12 02:11:43 GMT 2008</span>                      |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
| Patterns        | #                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                      |                          | Secondary Pattern          |                 |                 |                                                                           | Exposures |
|                 | (1)                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                      |                          |                            |                 |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  |                      | Targ. Coord. Corrections |                            | Fluxes          |                 | Miscellaneous                                                             |           |
|                 | (224)                                                                                              | SDSSJ114713.49+473258.1                                                                                                                                                                                                  | RA: 11 47 13.4900 (176.8062083d)<br>Dec: +47 32 58.10 (47.54947d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g=17.6 |                 | Reference Frame: ICRS                                                     |           |
| Exposures       | #                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.   | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                  | short                                                                                                                                                                                                                    | (224) SDSSJ114713.49+473258.1                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 |                 | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                  | long                                                                                                                                                                                                                     | (224) SDSSJ114713.49+473258.1                                                       | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                 | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
| Orbit Structure | Orbit 1 <span>Server Version: 20080807</span>                                                      |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |
|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                     |                      |                          |                            |                 |                 |                                                                           |           |

# Proposal 11130 - Visit 4V - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                  |                                                                                                         |                                                                                   |                      |                                                                                                       |                              |                 |                 |                                                            |       |
|-----------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------|------------------------------|-----------------|-----------------|------------------------------------------------------------|-------|
| Visit           | Proposal 11130, Visit 4V, scheduling                             |                                                                                                         |                                                                                   |                      |                                                                                                       | Wed Nov 12 02:11:44 GMT 2008 |                 |                 |                                                            |       |
|                 | Diagnostic Status: No Diagnostics                                |                                                                                                         |                                                                                   |                      |                                                                                                       |                              |                 |                 |                                                            |       |
|                 | Scientific Instruments: WFPC2                                    |                                                                                                         |                                                                                   |                      |                                                                                                       |                              |                 |                 |                                                            |       |
|                 | Special Requirements: (none)                                     |                                                                                                         |                                                                                   |                      |                                                                                                       |                              |                 |                 |                                                            |       |
| Patterns        | #                                                                | Primary Pattern                                                                                         |                                                                                   |                      | Secondary Pattern                                                                                     |                              |                 | Exposures       |                                                            |       |
|                 | (1)                                                              | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing= |                                                                                   |                      | Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                              |                 | (2)             |                                                            |       |
| Fixed Targets   | #                                                                | Name                                                                                                    | Target Coordinates                                                                |                      | Targ. Coord. Corrections                                                                              |                              | Fluxes          |                 | Miscellaneous                                              |       |
|                 | (225)                                                            | SDSSJ125801.84+522507.8                                                                                 | RA: 12 58 1.8400 (194.5076667d)<br>Dec: +52 25 7.80 (52.41883d)<br>Equinox: J2000 |                      |                                                                                                       |                              | V=(?)<br>g=16.9 |                 | Reference Frame: ICRS                                      |       |
| Exposures       | #                                                                | Label                                                                                                   | Target                                                                            | Config,Mode,Aperture | Spectral Els.                                                                                         | Opt. Params.                 | Special Reqs.   | Groups          | Exp. Time/[Actual Dur.]                                    | Orbit |
|                 | 1                                                                | short                                                                                                   | (225) SDSSJ125801.84+522507.8                                                     | WFPC2, IMAGE, PC1    | F814W                                                                                                 | ATD-GAIN=7;<br>CR-SPLIT=NO   |                 |                 | 30.0 Secs                                                  |       |
|                 |                                                                  |                                                                                                         |                                                                                   |                      |                                                                                                       |                              |                 |                 | [==>]                                                      | [1]   |
|                 | 2                                                                | long                                                                                                    | (225) SDSSJ125801.84+522507.8                                                     | WFPC2, IMAGE, PC1    | F814W                                                                                                 | ATD-GAIN=7;<br>CR-SPLIT=NO   |                 | Pattern 2-2 (1) | 1200.0 Secs                                                |       |
|                 |                                                                  |                                                                                                         |                                                                                   |                      |                                                                                                       |                              |                 |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]   |
| Orbit Structure | <div><div>Orbit 1</div><div>Server Version: 20080807</div></div> |                                                                                                         |                                                                                   |                      |                                                                                                       |                              |                 |                 |                                                            |       |
|                 |                                                                  |                                                                                                         |                                                                                   |                      |                                                                                                       |                              |                 |                 |                                                            |       |

# Proposal 11130 - Visit 4W - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4W, scheduling <span style="float: right;">Wed Nov 12 02:11:44 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                  |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                  |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                               | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (226)                                                                                                                                                                                                             | SDSSJ001728.84-001826.7                                                                                                                                                                                                  | RA: 00 17 28.8400 (4.3701667d)<br>Dec: -00 18 26.70 (-.30742d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=17.8            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                           | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (226) SDSSJ001728.84-001826.7                                                    | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (226) SDSSJ001728.84-001826.7                                                    | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <div> <div>Orbit 1</div> <div>Server Version: 20080807</div> </div>                                                                                                                                               |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                  |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 4X - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |               |                   |               |                       |                                                            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|---------------|-------------------|---------------|-----------------------|------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4X, scheduling <span style="float: right;">Wed Nov 12 02:11:44 GMT 2008</span>      |                                                                                                                                                                                                                          |                                                                                   |                          |               |                   |               |                       |                                                            |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                   |                          |               |                   |               |                       |                                                            |           |
| Patterns        | #                                                                                                         | Primary Pattern                                                                                                                                                                                                          |                                                                                   |                          |               | Secondary Pattern |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                       | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                   |                          |               |                   |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                         | Name                                                                                                                                                                                                                     | Target Coordinates                                                                | Targ. Coord. Corrections |               | Fluxes            |               | Miscellaneous         |                                                            |           |
|                 | (227)                                                                                                     | SDSSJ032707.32-075639.3                                                                                                                                                                                                  | RA: 03 27 7.3200 (51.7805000d)<br>Dec: -07 56 39.30 (-7.94425d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=19.3   |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                         | Label                                                                                                                                                                                                                    | Target                                                                            | Config,Mode,Aperture     | Spectral Els. | Opt. Params.      | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                         | short                                                                                                                                                                                                                    | (227) SDSSJ032707.32-075639.3                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO       |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                         | long                                                                                                                                                                                                                     | (227) SDSSJ032707.32-075639.3                                                     | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |               | CR-SPLIT=NO       |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                |                                                                                                                                                                                                                          |                                                                                   |                          |               |                   |               |                       |                                                            |           |
|                 |                                                                                                           |                                                                                                                                                                                                                          |                                                                                   |                          |               |                   |               |                       |                                                            |           |

# Proposal 11130 - Visit 4Y - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4Y, scheduling <span style="float: right;">Wed Nov 12 02:11:44 GMT 2008</span><br>Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                          | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                        | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                          | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (228)                                                                                                                                                                                                      | SDSSJ074423.44+243046.3                                                                                                                                                                                                  | RA: 07 44 23.4400 (116.0976667d)<br>Dec: +24 30 46.30 (24.51286d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=17.7            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                          | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                          | short                                                                                                                                                                                                                    | (228) SDSSJ074423.44+243046.3                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                          | long                                                                                                                                                                                                                     | (228) SDSSJ074423.44+243046.3                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <div> <div>Orbit 1</div> <div>Server Version: 20080807</div> </div>                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                                                                                                                            |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

Proposal 11130 - Visit 4Z - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|-----------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | Proposal 11130, Visit 4Z, scheduling <span>Wed Nov 12 02:11:44 GMT 2008</span>                     |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 | Diagnostic Status: No Diagnostics<br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                  | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                  | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (229)                                                                                              | SDSSJ074810.36+454003.1                                                                                                                                                                                                  | RA: 07 48 10.3600 (117.0431667d)<br>Dec: +45 40 3.10 (45.66753d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=17.8            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                  | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                  | short                                                                                                                                                                                                                    | (229) SDSSJ074810.36+454003.1                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                  | long                                                                                                                                                                                                                     | (229) SDSSJ074810.36+454003.1                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | Orbit 1 <span>Server Version: 20080807</span>                                                      |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |
|                 |                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 5A - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |                 |                            |               |                 |                                                                           |           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|-----------------|----------------------------|---------------|-----------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 5A, completed</b> <span style="float: right;">Wed Nov 12 02:11:44 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |                 |                            |               |                 |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                          |                                                                                    |                          |                 |                            |               |                 |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |                 | Secondary Pattern          |               |                 |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |                 |                            |               |                 |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes          | Miscellaneous              |               |                 |                                                                           |           |
|                 | (230)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SDSSJ082347.95+060636.2                                                                                                                                                                                                  | RA: 08 23 47.9500 (125.9497917d)<br>Dec: +06 06 36.20 (6.11006d)<br>Equinox: J2000 |                          | V=(?)<br>g=18.6 | Reference Frame: ICRS      |               |                 |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els.   | Opt. Params.               | Special Reqs. | Groups          | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | short                                                                                                                                                                                                                    | (230) SDSSJ082347.95+060636.2                                                      | WFPC2, IMAGE, PC1        | F814W           | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                 | 30.0 Secs<br>[==>]                                                        |           |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | long                                                                                                                                                                                                                     | (230) SDSSJ082347.95+060636.2                                                      | WFPC2, IMAGE, PC1        | F814W           | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1) | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                          |                                                                                    |                          |                 |                            |               |                 |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |                 |                            |               |                 |                                                                           |           |
|                 | <p>The diagram illustrates the timeline of Orbit 1, showing various mission phases and their durations. The x-axis represents time in seconds, ranging from 0 to 5500. Key events and phases are marked as follows:</p> <ul style="list-style-type: none"> <li><b>GS Acq</b>: Ground Station Acquisition at approximately 100 seconds.</li> <li><b>Exp. 1</b>: Exposure 1 at approximately 300 seconds.</li> <li><b>Exp. 2</b>: Exposure 2 at approximately 600 seconds and 1400 seconds.</li> <li><b>Pointing Maneuver</b>: Occurs at approximately 1200 seconds.</li> <li><b>Overhead</b>: Periods of overhead at approximately 1500 seconds and 2200 seconds.</li> <li><b>Unused Visibility = 917</b>: A period of 917 seconds of unused visibility between 2200 and 3100 seconds.</li> <li><b>Occultation</b>: Begins at approximately 3100 seconds and continues until the end of the orbit.</li> </ul> |                                                                                                                                                                                                                          |                                                                                    |                          |                 |                            |               |                 |                                                                           |           |



# Proposal 11130 - Visit 5B - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                  |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                 |                 |                                                            |           |       |
|-----------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|-------------------------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------|-----------|-------|
| Visit           | Proposal 11130, Visit 5B, scheduling                             |                                                                                                         |                                                                                    |                      |                          | Wed Nov 12 02:11:45 GMT 2008                                                                          |                 |                 |                                                            |           |       |
|                 | Diagnostic Status: No Diagnostics                                |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                 |                 |                                                            |           |       |
|                 | Scientific Instruments: WFPC2                                    |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                 |                 |                                                            |           |       |
|                 | Special Requirements: (none)                                     |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                 |                 |                                                            |           |       |
| Patterns        | #                                                                | Primary Pattern                                                                                         |                                                                                    |                      |                          | Secondary Pattern                                                                                     |                 |                 |                                                            | Exposures |       |
|                 | (1)                                                              | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing= |                                                                                    |                      |                          | Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                 |                 |                                                            | (2)       |       |
| Fixed Targets   | #                                                                | Name                                                                                                    | Target Coordinates                                                                 |                      | Targ. Coord. Corrections |                                                                                                       | Fluxes          |                 | Miscellaneous                                              |           |       |
|                 | (231)                                                            | SDSSJ084303.59+361011.1                                                                                 | RA: 08 43 3.5900 (130.7649583d)<br>Dec: +36 10 11.10 (36.16975d)<br>Equinox: J2000 |                      |                          |                                                                                                       | V=(?)<br>g=17.1 |                 | Reference Frame: ICRS                                      |           |       |
| Exposures       | #                                                                | Label                                                                                                   | Target                                                                             | Config,Mode,Aperture | Spectral Els.            | Opt. Params.                                                                                          | Special Reqs.   | Groups          | Exp. Time/[Actual Dur.]                                    |           | Orbit |
|                 | 1                                                                | short                                                                                                   | (231) SDSSJ084303.59+361011.1                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |                 |                 | 30.0 Secs                                                  |           |       |
|                 |                                                                  |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                 |                 | [==>]                                                      |           | [1]   |
|                 | 2                                                                | long                                                                                                    | (231) SDSSJ084303.59+361011.1                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO                                                                            |                 | Pattern 2-2 (1) | 1200.0 Secs                                                |           |       |
|                 |                                                                  |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                 |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |           | [1]   |
| Orbit Structure | <div><div>Orbit 1</div><div>Server Version: 20080807</div></div> |                                                                                                         |                                                                                    |                      |                          |                                                                                                       |                 |                 |                                                            |           |       |

# Proposal 11130 - Visit 5C - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
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| Visit           | Proposal 11130, Visit 5C, scheduling <span style="float: right;">Wed Nov 12 02:11:45 GMT 2008</span><br><b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none) |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
| Patterns        | #                                                                                                                                                                                                                 | Primary Pattern                                                                                                                                                                                                          |                                                                                    |                          |               | Secondary Pattern |               |                       |                                                            | Exposures |
|                 | (1)                                                                                                                                                                                                               | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                    |                          |               |                   |               |                       |                                                            | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                 | Name                                                                                                                                                                                                                     | Target Coordinates                                                                 | Targ. Coord. Corrections |               | Fluxes            |               | Miscellaneous         |                                                            |           |
|                 | (232)                                                                                                                                                                                                             | SDSSJ102703.90+485023.9                                                                                                                                                                                                  | RA: 10 27 3.9000 (156.7662500d)<br>Dec: +48 50 23.00 (48.83972d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=18.2   |               | Reference Frame: ICRS |                                                            |           |
| Exposures       | #                                                                                                                                                                                                                 | Label                                                                                                                                                                                                                    | Target                                                                             | Config,Mode,Aperture     | Spectral Els. | Opt. Params.      | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                    | Orbit     |
|                 | 1                                                                                                                                                                                                                 | short                                                                                                                                                                                                                    | (232) SDSSJ102703.90+485023.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               |                       | 30.0 Secs                                                  |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO       |               |                       | [==>]                                                      | [1]       |
|                 | 2                                                                                                                                                                                                                 | long                                                                                                                                                                                                                     | (232) SDSSJ102703.90+485023.9                                                      | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;       |               | Pattern 2-2 (1)       | 1200.0 Secs                                                |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               | CR-SPLIT=NO       |               |                       | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                        |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |
|                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                          |                                                                                    |                          |               |                   |               |                       |                                                            |           |

# Proposal 11130 - Visit 5D - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|----------------------------|---------------|-----------------------|---------------------------------------------------------------------------|-----------|
| Visit           | <b>Proposal 11130, Visit 5D, scheduling</b> <span style="float: right;">Wed Nov 12 02:11:45 GMT 2008</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <b>Diagnostic Status: No Diagnostics</b><br>Scientific Instruments: WFPC2<br>Special Requirements: (none)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Patterns        | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Primary Pattern                                                                                                                                                                                                          |                                                                                     |                          |               | Secondary Pattern          |               |                       |                                                                           | Exposures |
|                 | (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Pattern Type=WFPC2-LINE      Coordinate Frame=POS-TARG<br>Purpose=DITHER      Pattern Orientation=45.0<br>Number Of Points=2      Angle Between Sides=<br>Point Spacing=0.704      Center Pattern=false<br>Line Spacing= |                                                                                     |                          |               |                            |               |                       |                                                                           | (2)       |
| Fixed Targets   | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Name                                                                                                                                                                                                                     | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                     |               | Miscellaneous         |                                                                           |           |
|                 | (233)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SDSSJ112718.75+585025.0                                                                                                                                                                                                  | RA: 11 27 18.7500 (171.8281250d)<br>Dec: +58 50 25.00 (58.84028d)<br>Equinox: J2000 |                          |               | V=(?)<br>g=16.9            |               | Reference Frame: ICRS |                                                                           |           |
| Exposures       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Label                                                                                                                                                                                                                    | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.               | Special Reqs. | Groups                | Exp. Time/[Actual Dur.]                                                   | Orbit     |
|                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | short                                                                                                                                                                                                                    | (233) SDSSJ112718.75+585025.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               |                       | 30.0 Secs<br>[==>]                                                        | [1]       |
|                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | long                                                                                                                                                                                                                     | (233) SDSSJ112718.75+585025.0                                                       | WFPC2, IMAGE, PC1        | F814W         | ATD-GAIN=7;<br>CR-SPLIT=NO |               | Pattern 2-2 (1)       | 1200.0 Secs<br>[==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] | [1]       |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
| Orbit Structure | <b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |
|                 | <p>The diagram illustrates the timeline of Orbit 1, showing the sequence of observations and overheads. The x-axis represents time in seconds, ranging from 0 to 5500. Key events are marked with arrows: GS Acq at ~100s, Exp. 1 at ~300s, Exp. 2 at ~600s and ~1400s, Pointing Maneuver at ~1200s, Overhead at ~2200s, Unused Visibility = 100% from ~2200s to ~3200s, and Occultation starting at ~3200s. The timeline is divided into segments with different patterns: blue checkered for observations, green for overhead, and white for occultation.</p> |                                                                                                                                                                                                                          |                                                                                     |                          |               |                            |               |                       |                                                                           |           |

# Proposal 11130 - Visit 5E - AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II

|                 |                                                       |                                                                                                         |                                                                                    |                      |                          |                            |                                                                                                       |                 |                                                            |  |                              |
|-----------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------|-------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------|--|------------------------------|
| Visit           | Proposal 11130, Visit 5E, scheduling                  |                                                                                                         |                                                                                    |                      |                          |                            |                                                                                                       |                 |                                                            |  | Wed Nov 12 02:11:45 GMT 2008 |
|                 | Diagnostic Status: No Diagnostics                     |                                                                                                         |                                                                                    |                      |                          |                            |                                                                                                       |                 |                                                            |  |                              |
|                 | Scientific Instruments: WFPC2                         |                                                                                                         |                                                                                    |                      |                          |                            |                                                                                                       |                 |                                                            |  |                              |
|                 | Special Requirements: (none)                          |                                                                                                         |                                                                                    |                      |                          |                            |                                                                                                       |                 |                                                            |  |                              |
| Patterns        | #                                                     | Primary Pattern                                                                                         |                                                                                    |                      |                          |                            | Secondary Pattern                                                                                     |                 |                                                            |  | Exposures                    |
|                 | (1)                                                   | Pattern Type=WFPC2-LINE<br>Purpose=DITHER<br>Number Of Points=2<br>Point Spacing=0.704<br>Line Spacing= |                                                                                    |                      |                          |                            | Coordinate Frame=POS-TARG<br>Pattern Orientation=45.0<br>Angle Between Sides=<br>Center Pattern=false |                 |                                                            |  | (2)                          |
| Fixed Targets   | #                                                     | Name                                                                                                    | Target Coordinates                                                                 |                      | Targ. Coord. Corrections |                            | Fluxes                                                                                                |                 | Miscellaneous                                              |  |                              |
|                 | (234)                                                 | SDSSJ112202.23+534253.5                                                                                 | RA: 11 22 2.2300 (170.5092917d)<br>Dec: +53 42 53.50 (53.71486d)<br>Equinox: J2000 |                      |                          |                            | V=(?)<br>g=17.6                                                                                       |                 | Reference Frame: ICRS                                      |  |                              |
| Exposures       | #                                                     | Label                                                                                                   | Target                                                                             | Config,Mode,Aperture | Spectral Els.            | Opt. Params.               | Special Reqs.                                                                                         | Groups          | Exp. Time/[Actual Dur.]                                    |  | Orbit                        |
|                 | 1                                                     | short                                                                                                   | (234) SDSSJ112202.23+534253.5                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                                                                                                       |                 | 30.0 Secs                                                  |  |                              |
|                 |                                                       |                                                                                                         |                                                                                    |                      |                          |                            |                                                                                                       |                 | [==>]                                                      |  | [1]                          |
|                 | 2                                                     | long                                                                                                    | (234) SDSSJ112202.23+534253.5                                                      | WFPC2, IMAGE, PC1    | F814W                    | ATD-GAIN=7;<br>CR-SPLIT=NO |                                                                                                       | Pattern 2-2 (1) | 1200.0 Secs                                                |  |                              |
|                 |                                                       |                                                                                                         |                                                                                    |                      |                          |                            |                                                                                                       |                 | [==>600.0 Secs (Pattern 1)]<br>[==>600.0 Secs (Pattern 2)] |  | [1]                          |
| Orbit Structure | <div>Orbit 1<div>Server Version: 20080807</div></div> |                                                                                                         |                                                                                    |                      |                          |                            |                                                                                                       |                 |                                                            |  |                              |