



14633 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Cycle: 24, Proposal Category: SNAP

(Availability Mode: AVAILABLE)

INVESTIGATORS

| <i>Name</i> | <i>Institution</i> | <i>E-Mail</i> |
|--|--|----------------------------------|
| Dr. Kevin France (PI) (Contact) | University of Colorado at Boulder | kevin.france@colorado.edu |
| Mr. R. O. Parke Loyd (CoI) | Arizona State University | robert.loyd@colorado.edu |
| Nicole Arulanantham (CoI) | University of Colorado at Boulder | nicole.arulanantham@colorado.edu |
| Dr. Seth Redfield (CoI) | Wesleyan University | sredfield@wesleyan.edu |
| Dr. Christian Schneider (CoI) (ESA Member) | Universitat Hamburg, Hamburger Sternwarte | cschneider@hs.uni-hamburg.de |
| Dr. Luca Fossati (CoI) (ESA Member) | Space Research Institute, Austrian Academy of Sciences | fossati1511@gmail.com |
| Dr. Jeffrey L. Linsky (CoI) | University of Colorado at Boulder | jlinsky@jila.colorado.edu |
| Dr. Antonino Lanza (CoI) | INAF, Osservatorio Astrofisico di Catania | nlanza@oact.inaf.it |

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 | (6) 47-UMA | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:29.0 | yes |
| 02 | (7) MU-ARA | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:30.0 | yes |
| 03 | (8) HD-147513 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:31.0 | yes |
| 04 | (9) RHO-CRB | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:32.0 | yes |

Proposal 14633 (STScI Edit Number: 1, Created: Thursday, September 21, 2017 2:01:35 PM EST) - Overview

| <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> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 05 | (10) HD-39091 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:33.0 | yes |
| 06 | (11) HD-192310 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:34.0 | yes |
| 07 | (12) HD-190360 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:35.0 | yes |
| 08 | (13) HD-16417 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:36.0 | yes |
| 09 | (14) HD-3651 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:36.0 | yes |
| 10 | (15) HD-69830 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:37.0 | yes |
| 11 | (16) HD-38529 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:38.0 | yes |
| 12 | (17) HD-10647 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:39.0 | yes |
| 13 | (18) HD-216437 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:40.0 | yes |
| 14 | (19) GJ-86 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:40.0 | yes |
| 15 | (89) HD-23079 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:41.0 | yes |
| 16 | (90) HD-52265 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:42.0 | yes |
| 17 | (91) HD-11964 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:43.0 | yes |
| 18 | (92) HD-134987 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:43.0 | yes |

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| <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> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 19 | (93) HD-210277 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:44.0 | yes |
| 20 | (94) HD-4308 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:45.0 | yes |
| 21 | (95) HD-1237 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:46.0 | yes |
| 22 | (96) HD-1461 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:47.0 | yes |
| 23 | (97) 14-HER | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:48.0 | yes |
| 24 | (98) HD-114729A | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:49.0 | yes |
| 25 | (99) HD-154345 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:50.0 | yes |
| 26 | (100) HD-213240 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:50.0 | yes |
| 27 | (101) HD-197037 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:51.0 | yes |
| 28 | (102) HD-195019 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:52.0 | yes |
| 29 | (103) HD-90156 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:53.0 | yes |
| 30 | (104) HD-168443 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:54.0 | yes |
| 31 | (105) HD-33636 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:54.0 | yes |
| 32 | (106) HD-164922 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:55.0 | yes |

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|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 33 | (107) HD-89307 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:56.0 | yes |
| 34 | (108) HD-70642 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:57.0 | yes |
| 35 | (109) HD-117618 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:57.0 | yes |
| 36 | (110) HD-7924 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:58.0 | yes |
| 37 | (111) HD-187085 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:00:59.0 | yes |
| 38 | (112) HD-141937 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:00.0 | yes |
| 39 | (113) HD-117207 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:00.0 | yes |
| 40 | (114) HD-155358 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:01.0 | yes |
| 41 | (115) HD-92788 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:02.0 | yes |
| 42 | (116) HD-142415 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:03.0 | yes |
| 43 | (117) HD-10180 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:03.0 | yes |
| 44 | (118) HD-20782 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:04.0 | yes |
| 45 | (119) HD-106252 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:05.0 | yes |
| 46 | (120) HD-102117 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:06.0 | yes |

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|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 47 | (121) HD-208487 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:06.0 | yes |
| 48 | (122) HD-128311 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:07.0 | yes |
| 49 | (123) HD-121504 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:08.0 | yes |
| 50 | (124) HD-114783 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:09.0 | yes |
| 51 | (125) HD-87883 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:09.0 | yes |
| 52 | (126) HD-99492 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:10.0 | yes |
| 53 | (127) HD-111232 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:11.0 | yes |
| 54 | (128) HD-47186 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:12.0 | yes |
| 55 | (129) HD-13931 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:12.0 | yes |
| 56 | (130) HD-136118 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:13.0 | yes |
| 57 | (131) HD-37124 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:14.0 | yes |
| 58 | (132) HD-222582 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:16.0 | yes |
| 59 | (133) HD-142022 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:17.0 | yes |
| 60 | (134) HD-81040 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:18.0 | yes |

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|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 61 | (135) HD-6434 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:19.0 | yes |
| 62 | (136) HD-4208 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:19.0 | yes |
| 63 | (137) HD-192263 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:20.0 | yes |
| 64 | (138) HD-28185 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:21.0 | yes |
| 65 | (139) HD-4113 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:22.0 | yes |
| 66 | (140) HD-104067 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:22.0 | yes |
| 67 | (141) HD-168746 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:23.0 | yes |
| 68 | (142) HD-65216 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:24.0 | yes |
| 69 | (143) HD-178911-B | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:25.0 | yes |
| 70 | (144) HD-79498 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:26.0 | yes |
| 71 | (145) HD-45364 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:26.0 | yes |
| 72 | (146) HD-73256 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:27.0 | yes |
| 73 | (147) HD-202206 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:28.0 | yes |
| 74 | (148) HD-63765 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:29.0 | 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> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 75 | (149) HD-49674 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:30.0 | yes |
| 76 | (150) HD-216770 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:31.0 | yes |
| 77 | (151) HD-147018 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:31.0 | yes |
| 78 | (152) HD-156668 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:32.0 | yes |
| 79 | (153) HIP-91258 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:33.0 | yes |
| 80 | (154) HD-16760 | COS/FUV COS/NUV | 1 | 21-Sep-2017 15:01:34.0 | yes |

80 Total Orbits Used

ABSTRACT

We propose a SNAP spectroscopic program to survey G and K dwarf exoplanet host stars in the solar neighborhood to characterize the interaction of these stars with their orbiting planetary systems. Stellar and planetary fields may interact for close-in planets, resulting in enhanced stellar activity of the host star and potentially affecting the habitability of planets in the system. A recent study of low-mass stars (France et al. 2016) found evidence for star-planet interactions (SPI) between the stellar transition region/corona and the planets. This work showed a correlation between high-temperature ($T_{\text{form}} > \sim 10^5$ K) stellar emission lines (N V, C IV, and Si IV) and the ratio of planetary mass to the orbital semi-major axis, $M_{\text{plan}}/a_{\text{plan}}$. However, that work focused on a limited number of M and K stars. We propose to observe a large number of exoplanet hosting G and K dwarfs to expand the parameter space to a wider range of stellar mass and $M_{\text{plan}}/a_{\text{plan}}$. Given the combination of spectroscopic sensitivity and the rich suite of spectral diagnostics in the COS G130M band, this program can be carried out with ~ 1800 second SNAP observations of G and K dwarf host stars within 50 pc.

OBSERVING DESCRIPTION

COS G130M Observations: In order to obtain a robust census of line formation temperatures in the upper atmospheres of cool stars, we require spectral coverage from 1150 to 1450 Ang: the G130M mode of COS provides the necessary wavelength coverage, the highest sensitivity of any spectral mode at these wavelengths aboard HST, and the spectral resolution ($R \sim 16,000$) to cleanly separate and resolve the emission lines.

The proposed SNAP sample was extracted from the exoplanets.org database of confirmed exoplanetary systems. The original list was selected for all G and K dwarfs with confirmed exoplanetary systems inside 50 pc, which yielded 150 targets. The 50 pc limit was derived from previous COS G130M observations of the solar type exoplanet host star HD 209458 that demonstrated that COS observations of a relatively inactive G dwarf could yield high-enough S/N per resolution element to permit spectral line fitting in a single orbit to roughly this distance,

We placed additional brightness restrictions on the sample such that the stars must be brighter than $V = 8.5$ magnitude to enable a robust detection of the brightest lines in an 1800s exposure, but fainter than $V = 5$ to ensure that COS instrument safety is maintained (see below). This resulted in a sample of 80 sources (67 G stars and 13 K stars), all of which either have measured Ca II H and K activity indices (in the literature or data retrievable from the HIRES and/or HARPS archives) which provide another constraint on the induced activity in the cooler atmospheric layers. This sample returned a range of spectral types and exoplanet mass/orbit parameters, and is very complementary to the MUSCLES sample.

Proposal 14633 - Visit 01 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

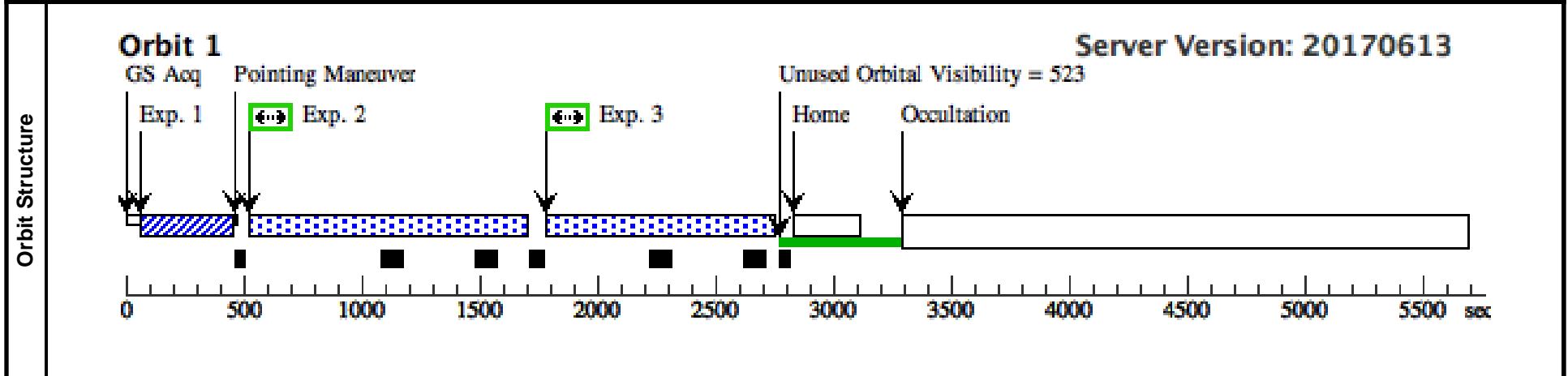
Thu Sep 21 19:01:35 GMT 2017

| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 01, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (01.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (01.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 01) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (01.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (01.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(6)</td> <td>47-UMA</td> <td>RA: 10 59 27.9728 (164.8665533d) Dec: +40 25 48.92 (40.43026d) Equinox: J2000</td> <td>Proper Motion RA: -317.01 mas/yr Proper Motion Dec: 54.64 mas/yr Parallax: 0.07111" Epoch of Position: 2000</td> <td>V=5.03</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (6) | 47-UMA | RA: 10 59 27.9728 (164.8665533d) Dec: +40 25 48.92 (40.43026d) Equinox: J2000 | Proper Motion RA: -317.01 mas/yr Proper Motion Dec: 54.64 mas/yr Parallax: 0.07111" Epoch of Position: 2000 | V=5.03 | Reference Frame: ICRS |
|----------------------|---|---|--|--------------------|--------------------------|--------|---------------|-----|--------|---|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
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| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (6) 47-UMA | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (6) 47-UMA | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (6) 47-UMA | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 02 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

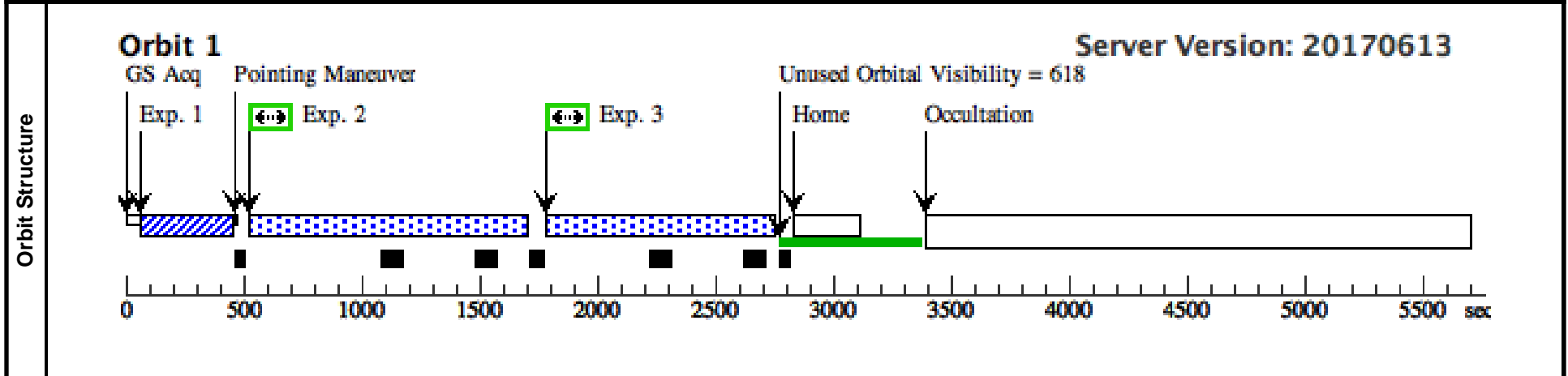
Thu Sep 21 19:01:35 GMT 2017

| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 02, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (02.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (02.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 02) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (02.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (02.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

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|----------------------|--|--|--|--------------------|--------------------------|--------|---------------|-----|--------|--|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (7) | MU-ARA | RA: 17 44 8.7011 (266.0362546d) Dec: -51 50 2.59 (-51.83405d) Equinox: J2000 | Proper Motion RA: -16.85 mas/yr Proper Motion Dec: -190.6 mas/yr Parallax: 0.06447" Epoch of Position: 2000.0 | V=5.12 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (7) MU-ARA | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (7) MU-ARA | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (7) MU-ARA | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 03 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

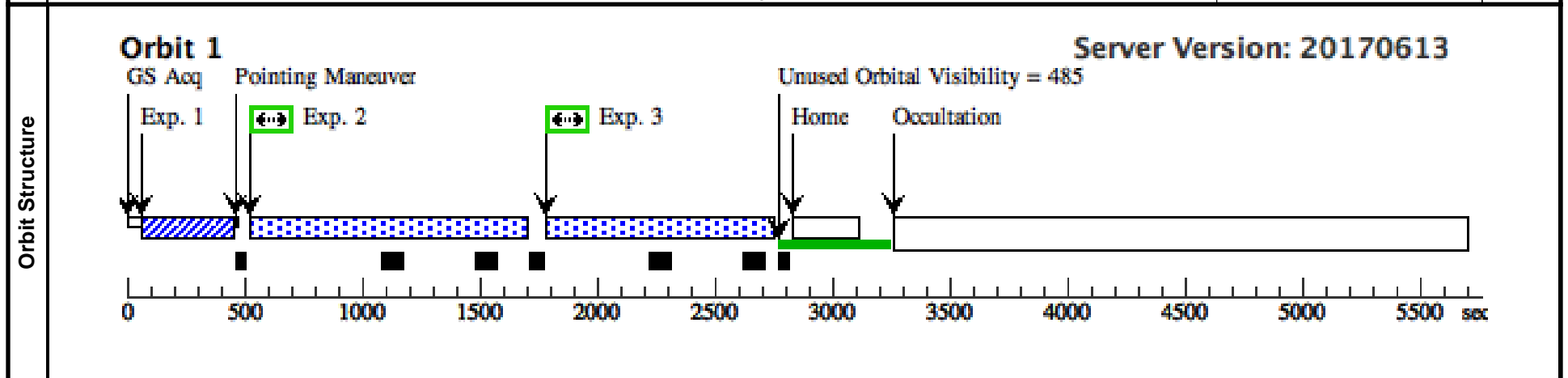
Thu Sep 21 19:01:35 GMT 2017

| | |
|--------------|---|
| Visit | Proposal 14633, Visit 03, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: ORIENT 305D TO 140 D |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (Visit 03) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(8)</td> <td>HD-147513</td> <td>RA: 16 24 1.2893 (246.0053721d) Dec: -39 11 34.71 (-39.19297d) Equinox: J2000</td> <td>Proper Motion RA: 71.89 mas/yr Proper Motion Dec: 5.26 mas/yr Parallax: 0.07826" Epoch of Position: 2000</td> <td>V=5.37</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (8) | HD-147513 | RA: 16 24 1.2893 (246.0053721d) Dec: -39 11 34.71 (-39.19297d) Equinox: J2000 | Proper Motion RA: 71.89 mas/yr Proper Motion Dec: 5.26 mas/yr Parallax: 0.07826" Epoch of Position: 2000 | V=5.37 | Reference Frame: ICRS |
|----------------------|---|---|---|--------------------|--------------------------|--------|---------------|-----|-----------|---|---|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (8) | HD-147513 | RA: 16 24 1.2893 (246.0053721d) Dec: -39 11 34.71 (-39.19297d) Equinox: J2000 | Proper Motion RA: 71.89 mas/yr Proper Motion Dec: 5.26 mas/yr Parallax: 0.07826" Epoch of Position: 2000 | V=5.37 | Reference Frame: ICRS | | | | | | | | |

| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|---------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.820 745) | (8) HD-147513 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 30 Secs (30 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (8) HD-147513 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (8) HD-147513 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 04 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

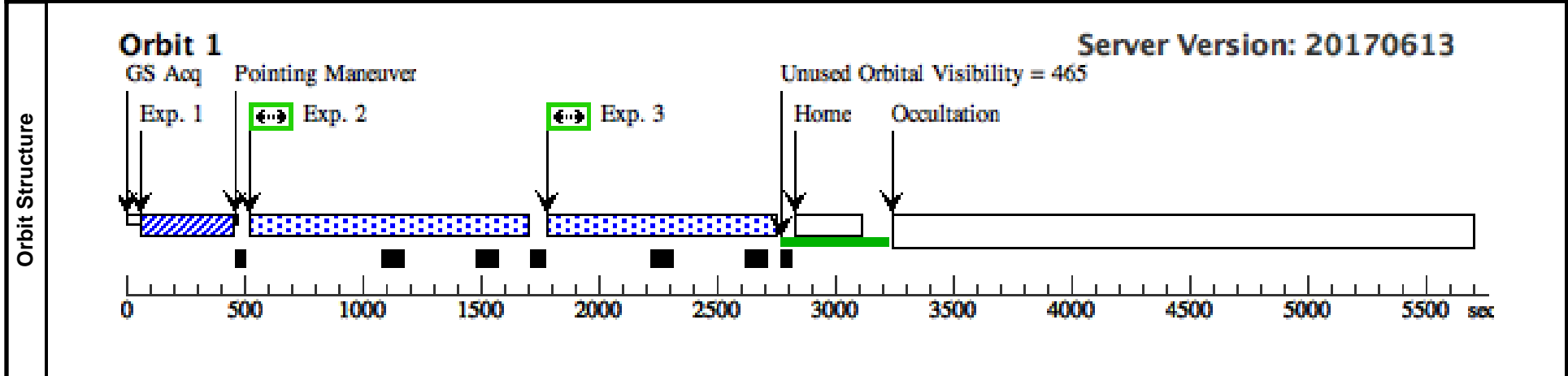
Thu Sep 21 19:01:35 GMT 2017

| | |
|--------------|---|
| Visit | Proposal 14633, Visit 04, completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (04.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (04.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 04) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (04.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |
| | (G130M_FP2 (04.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(9)</td> <td>RHO-CRB</td> <td>RA: 16 01 2.6618 (240.2610908d) Dec: +33 18 12.63 (33.30351d) Equinox: J2000</td> <td>Proper Motion RA: -196.63 mas/yr Proper Motion Dec: -773.02 mas/yr Parallax: 0.05802" Epoch of Position: 2000</td> <td>V=5.39</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (9) | RHO-CRB | RA: 16 01 2.6618 (240.2610908d) Dec: +33 18 12.63 (33.30351d) Equinox: J2000 | Proper Motion RA: -196.63 mas/yr Proper Motion Dec: -773.02 mas/yr Parallax: 0.05802" Epoch of Position: 2000 | V=5.39 | Reference Frame: ICRS |
|---|---|--|--|--------------------------|--------------------------|---------------|---------------|-----|---------|--|--|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (9) | RHO-CRB | RA: 16 01 2.6618 (240.2610908d) Dec: +33 18 12.63 (33.30351d) Equinox: J2000 | Proper Motion RA: -196.63 mas/yr Proper Motion Dec: -773.02 mas/yr Parallax: 0.05802" Epoch of Position: 2000 | V=5.39 | Reference Frame: ICRS | | | | | | | | |
| <i>Comments: Original Simbad coords predicted that we would miss the target. Coords and PMs from Tycho were also tried without improved agreement. Have returned to Hipparchos coords. KF & NA - 06/30/16 Extended=NO</i> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|------------------|---|----------------------------|-------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|----------------------------|-----|
| | 1 | ACQ (COS.ta.820 745) | (9) RHO-CRB | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP1 (COS.sp.820 740) | (9) RHO-CRB | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | |
| | 3 | G130M_FP2 (COS.sp.820 740) | (9) RHO-CRB | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] | |



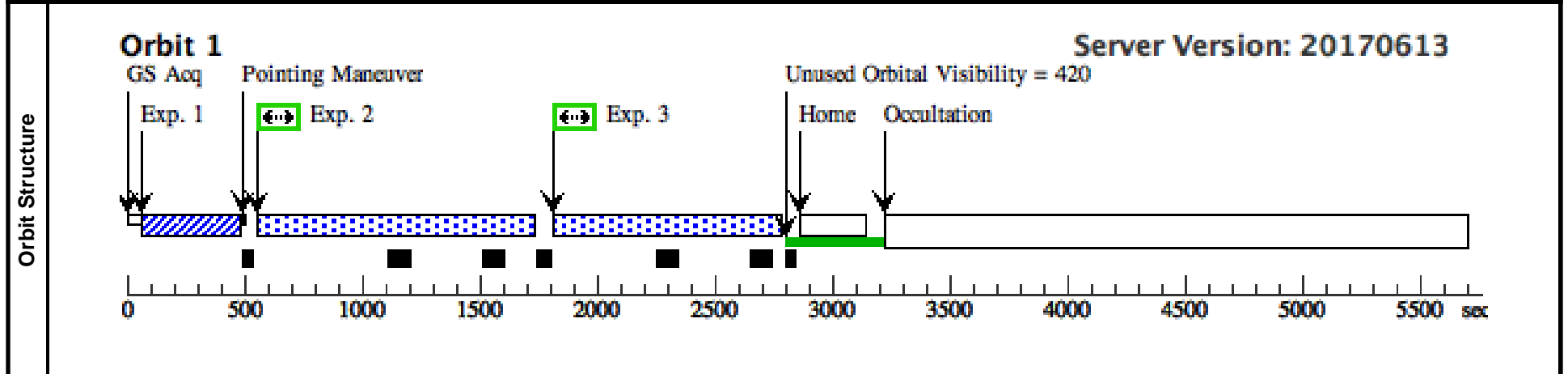
| Visit | Proposal 14633, Visit 05, completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|--|--------------------------|----------------------------------|---------------|-----------------|---------------------------------|----------------------|--------------------------|--------------|---------------|--------|---------------------------------|---|--|----------------------|-----------------------|-------------------------|---------|--|--|--|----------------------------|-----|---|-----------------------------|---------------|------------------------|-----------------|----------------------------------|--|--|--------------------------------|-----|---|-----------------------------|---------------|------------------------|-----------------|----------------------------------|--|--|------------------------------|-----|
| | (G130M_FP1 (05.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. (G130M_FP2 (05.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. (Visit 05) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. (G130M_FP1 (05.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. (G130M_FP2 (05.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(10)</td> <td>HD-39091</td> <td>RA: 05 37 9.8918 (84.2912158d) Dec: -80 28 8.84 (-80.46912d) Equinox: J2000</td> <td>Proper Motion RA: 312.01 mas/yr Proper Motion Dec: 1050.38 mas/yr Parallax: 0.0546" Epoch of Position: 2000.0</td> <td>V=5.65</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> Comments: Extended=NO | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (10) | HD-39091 | RA: 05 37 9.8918 (84.2912158d) Dec: -80 28 8.84 (-80.46912d) Equinox: J2000 | Proper Motion RA: 312.01 mas/yr Proper Motion Dec: 1050.38 mas/yr Parallax: 0.0546" Epoch of Position: 2000.0 | V=5.65 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (10) | HD-39091 | RA: 05 37 9.8918 (84.2912158d) Dec: -80 28 8.84 (-80.46912d) Equinox: J2000 | Proper Motion RA: 312.01 mas/yr Proper Motion Dec: 1050.38 mas/yr Parallax: 0.0546" Epoch of Position: 2000.0 | V=5.65 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | ACQ (COS.ta.820 745) | (10) HD-39091 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 30 Secs (30 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | G130M_FP 1 (COS.sp.820 740) | (10) HD-39091 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | G130M_FP 2 (COS.sp.820 740) | (10) HD-39091 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exposures | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Server Version: 20170613 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Orbit Structure | (Detailed description of the Orbit Structure diagram: The diagram shows a timeline for Orbit 1. It starts with a GS Acq phase from 0 to 50 seconds. This is followed by Exp. 1 (blue hatched) from 50 to 200 seconds. A Pointing Maneuver (green checkered) occurs from 200 to 500 seconds. Exp. 2 (green checkered) runs from 500 to 1700 seconds. Exp. 3 (green checkered) runs from 1700 to 2800 seconds. A Home phase (white) occurs from 2800 to 3000 seconds. An Unused Orbital Visibility period (green) follows from 3000 to 3819 seconds, with a total duration of 819 seconds. Finally, an Occultation phase (white) occurs from 3819 to 5500 seconds. The x-axis is labeled in seconds from 0 to 5500. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (Detailed description of the Orbit Structure diagram: The diagram shows a timeline for Orbit 1. It starts with a GS Acq phase from 0 to 50 seconds. This is followed by Exp. 1 (blue hatched) from 50 to 200 seconds. A Pointing Maneuver (green checkered) occurs from 200 to 500 seconds. Exp. 2 (green checkered) runs from 500 to 1700 seconds. Exp. 3 (green checkered) runs from 1700 to 2800 seconds. A Home phase (white) occurs from 2800 to 3000 seconds. An Unused Orbital Visibility period (green) follows from 3000 to 3819 seconds, with a total duration of 819 seconds. Finally, an Occultation phase (white) occurs from 3819 to 5500 seconds. The x-axis is labeled in seconds from 0 to 5500. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 06, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (06.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (06.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 06) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (06.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (06.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(11)</td> <td>HD-192310</td> <td>RA: 20 15 17.3912 (303.8224633d) Dec: -27 01 58.71 (-27.03298d) Equinox: J2000</td> <td>Proper Motion RA: 1241.85 mas/yr Proper Motion Dec: -180.96 mas/yr Parallax: 0.11222" Epoch of Position: 2000.0</td> <td>V=5.73</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (11) | HD-192310 | RA: 20 15 17.3912 (303.8224633d) Dec: -27 01 58.71 (-27.03298d) Equinox: J2000 | Proper Motion RA: 1241.85 mas/yr Proper Motion Dec: -180.96 mas/yr Parallax: 0.11222" Epoch of Position: 2000.0 | V=5.73 | Reference Frame: ICRS |
|----------------------|--|--|--|--------------------|--------------------------|--------|---------------|------|-----------|--|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (11) | HD-192310 | RA: 20 15 17.3912 (303.8224633d) Dec: -27 01 58.71 (-27.03298d) Equinox: J2000 | Proper Motion RA: 1241.85 mas/yr Proper Motion Dec: -180.96 mas/yr Parallax: 0.11222" Epoch of Position: 2000.0 | V=5.73 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (11) HD-192310 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 45 Secs (45 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (11) HD-192310 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (11) HD-192310 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 07 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

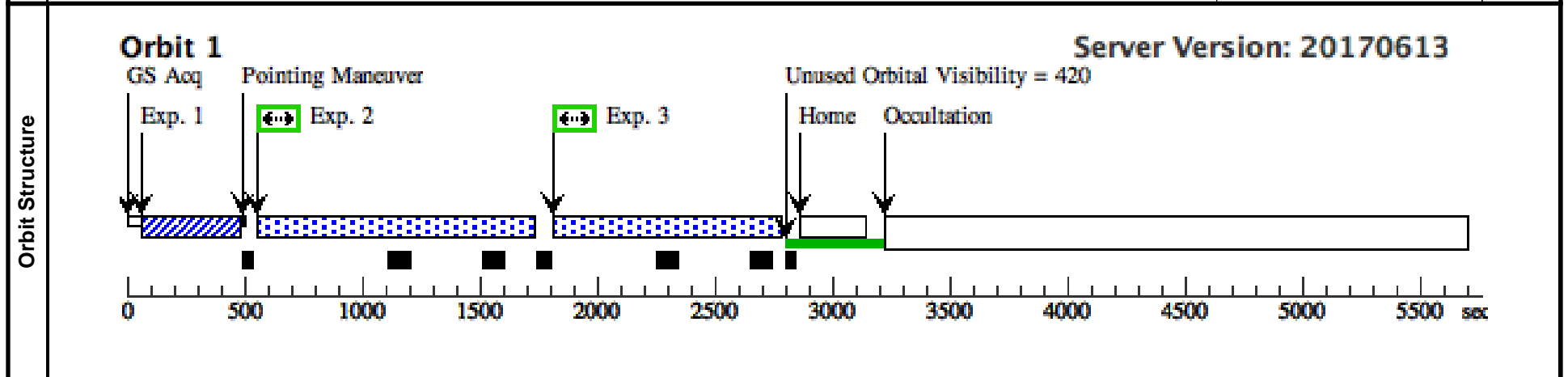
Thu Sep 21 19:01:35 GMT 2017

| | |
|--------------|--|
| Visit | Proposal 14633, Visit 07, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: ORIENT 10D TO 260 D |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (Visit 07) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(12)</td> <td>HD-190360</td> <td>RA: 20 03 37.4059 (300.9058579d) Dec: +29 53 48.49 (29.89680d) Equinox: J2000</td> <td>Proper Motion RA: 683.94 mas/yr Proper Motion Dec: -524.7 mas/yr Parallax: 0.06306" Epoch of Position: 2000.0</td> <td>V=5.73</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (12) | HD-190360 | RA: 20 03 37.4059 (300.9058579d) Dec: +29 53 48.49 (29.89680d) Equinox: J2000 | Proper Motion RA: 683.94 mas/yr Proper Motion Dec: -524.7 mas/yr Parallax: 0.06306" Epoch of Position: 2000.0 | V=5.73 | Reference Frame: ICRS |
|----------------------|---|---|--|--------------------|--------------------------|--------|---------------|------|-----------|---|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (12) | HD-190360 | RA: 20 03 37.4059 (300.9058579d) Dec: +29 53 48.49 (29.89680d) Equinox: J2000 | Proper Motion RA: 683.94 mas/yr Proper Motion Dec: -524.7 mas/yr Parallax: 0.06306" Epoch of Position: 2000.0 | V=5.73 | Reference Frame: ICRS | | | | | | | | |

| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|----------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.820 745) | (12) HD-190360 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 45 Secs (45 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (12) HD-190360 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (12) HD-190360 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 08 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

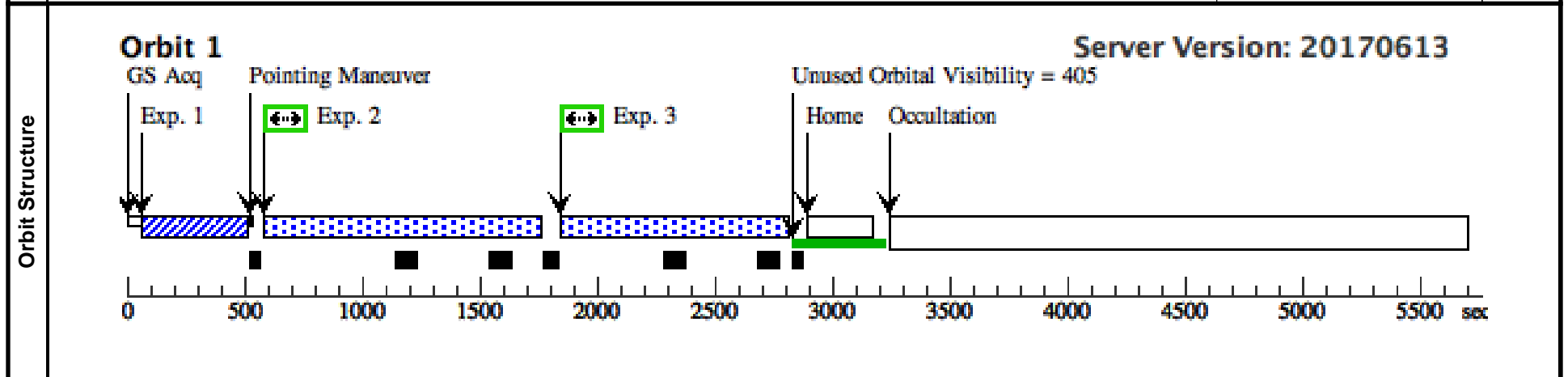
Thu Sep 21 19:01:35 GMT 2017

| | |
|--------------|--|
| Visit | Proposal 14633, Visit 08, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (Visit 08) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(13)</td> <td>HD-16417</td> <td>RA: 02 36 58.6078 (39.2441992d) Dec: -34 34 40.71 (-34.57797d) Equinox: J2000</td> <td>Proper Motion RA: -18.35 mas/yr Proper Motion Dec: -259.35 mas/yr Parallax: 0.03879" Epoch of Position: 2000.0</td> <td>V=5.78</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (13) | HD-16417 | RA: 02 36 58.6078 (39.2441992d) Dec: -34 34 40.71 (-34.57797d) Equinox: J2000 | Proper Motion RA: -18.35 mas/yr Proper Motion Dec: -259.35 mas/yr Parallax: 0.03879" Epoch of Position: 2000.0 | V=5.78 | Reference Frame: ICRS |
|------------------------------|---|---|---|--------------------------|--------------------------|---------------|---------------|------|----------|---|---|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (13) | HD-16417 | RA: 02 36 58.6078 (39.2441992d) Dec: -34 34 40.71 (-34.57797d) Equinox: J2000 | Proper Motion RA: -18.35 mas/yr Proper Motion Dec: -259.35 mas/yr Parallax: 0.03879" Epoch of Position: 2000.0 | V=5.78 | Reference Frame: ICRS | | | | | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|-----------------------------|----------------------|------------------------|-------------------------|---|--------------|---------------|--------|---------------------------------|----------------------------|
| | 1 | ACQ (COS.ta.820 745) | (13) HD-16417 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | | 60 Secs (60 Secs) [==>] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (13) HD-16417 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (13) HD-16417 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 09 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:36 GMT 2017

| | | | | | | | | | | |
|------------------------------|--|-----------------------------|--|--|-----------------|---|---------------|--------|---------------------------------|-------|
| Visit | Proposal 14633, Visit 09, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 09) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (14) | HD-3651 | RA: 00 39 21.8059 (9.8408579d) Dec: +21 15 1.71 (21.25048d) Equinox: J2000 | Proper Motion RA: -461.32 mas/yr Proper Motion Dec: -370.02 mas/yr Parallax: 0.09042" Epoch of Position: 2000.0 | V=5.88 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ (COS.ta.820 745) | (14) HD-3651 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (14) HD-3651 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (14) HD-3651 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| Orbit Structure | <p>Orbit 1 Server Version: 20170613</p> <p>GS Acq Pointing Maneuver Unused Orbital Visibility = 382 Home Occultation</p> <p>Exp. 1 Exp. 2 Exp. 3</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p> | | | | | | | | | |
| | | | | | | | | | | |

Proposal 14633 - Visit 10 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

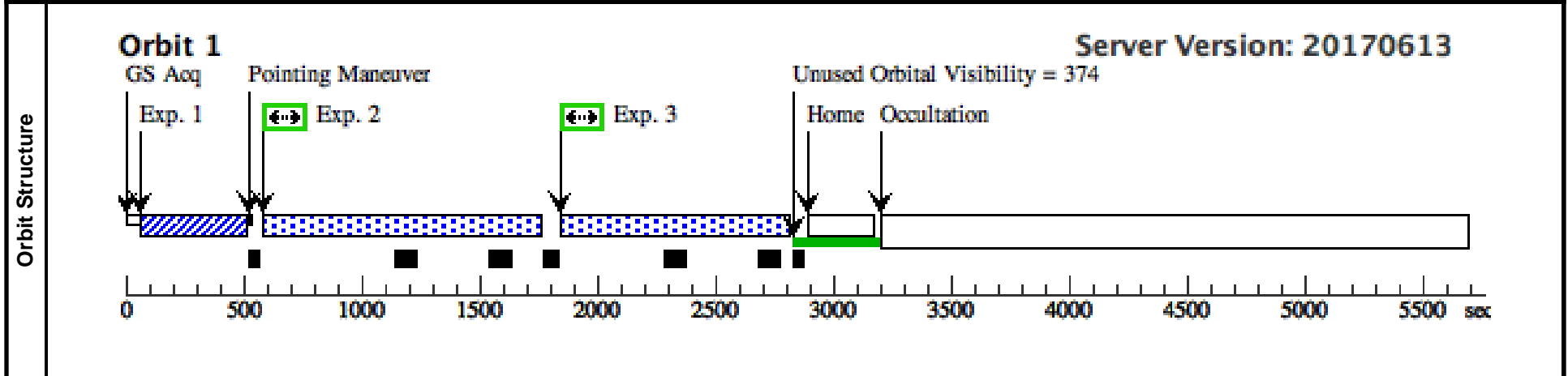
Thu Sep 21 19:01:36 GMT 2017

| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 10, scheduled</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (10.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (10.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 10) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (10.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (10.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(15)</td> <td>HD-69830</td> <td>RA: 08 18 23.9471 (124.5997796d) Dec: -12 37 55.81 (-12.63217d) Equinox: J2000</td> <td>Proper Motion RA: 278.99 mas/yr Proper Motion Dec: -987.59 mas/yr Parallax: 0.08004" Epoch of Position: 2000.0</td> <td>V=5.95</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (15) | HD-69830 | RA: 08 18 23.9471 (124.5997796d) Dec: -12 37 55.81 (-12.63217d) Equinox: J2000 | Proper Motion RA: 278.99 mas/yr Proper Motion Dec: -987.59 mas/yr Parallax: 0.08004" Epoch of Position: 2000.0 | V=5.95 | Reference Frame: ICRS |
|----------------------|--|--|---|--------------------|--------------------------|--------|---------------|------|----------|--|---|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (15) | HD-69830 | RA: 08 18 23.9471 (124.5997796d) Dec: -12 37 55.81 (-12.63217d) Equinox: J2000 | Proper Motion RA: 278.99 mas/yr Proper Motion Dec: -987.59 mas/yr Parallax: 0.08004" Epoch of Position: 2000.0 | V=5.95 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|---------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (15) HD-69830 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (15) HD-69830 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (15) HD-69830 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 11 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

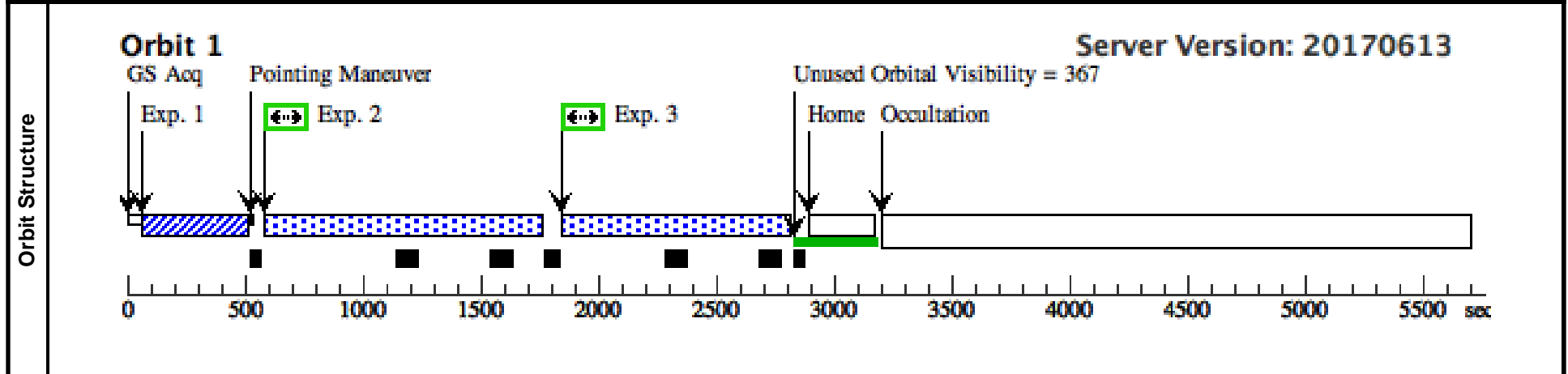
Thu Sep 21 19:01:36 GMT 2017

| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 11, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (11.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (11.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 11) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (11.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (11.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(16)</td> <td>HD-38529</td> <td>RA: 05 46 34.9126 (86.6454692d) Dec: +01 10 5.50 (1.16819d) Equinox: J2000</td> <td>Proper Motion RA: -79.12 mas/yr Proper Motion Dec: -141.84 mas/yr Parallax: 0.02546" Epoch of Position: 2000.0</td> <td>V=5.95</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (16) | HD-38529 | RA: 05 46 34.9126 (86.6454692d) Dec: +01 10 5.50 (1.16819d) Equinox: J2000 | Proper Motion RA: -79.12 mas/yr Proper Motion Dec: -141.84 mas/yr Parallax: 0.02546" Epoch of Position: 2000.0 | V=5.95 | Reference Frame: ICRS |
|----------------------|--|--|---|--------------------|--------------------------|--------|---------------|------|----------|--|---|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (16) | HD-38529 | RA: 05 46 34.9126 (86.6454692d) Dec: +01 10 5.50 (1.16819d) Equinox: J2000 | Proper Motion RA: -79.12 mas/yr Proper Motion Dec: -141.84 mas/yr Parallax: 0.02546" Epoch of Position: 2000.0 | V=5.95 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|---------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (16) HD-38529 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (16) HD-38529 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (16) HD-38529 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 12 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:36 GMT 2017

| Visit | Proposal 14633, Visit 12, completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|--|---|---|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|--|---|-----------------|--------------------|--------------------------|---------------|---------------|---------------|----------|---|---|--------|-----------------------|---------------|-------------------------|---------|--|--|--|----------------------------|-----|---|-----------------------------|---------------|------------------------|-----------------|----------------------------------|--|--|--------------------------------|-----|---|-----------------------------|---------------|------------------------|-----------------|----------------------------------|--|--|------------------------------|-----|
| Diagnostics | (G130M_FP1 (12.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. (G130M_FP2 (12.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. (Visit 12) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. (G130M_FP1 (12.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. (G130M_FP2 (12.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(17)</td> <td>HD-10647</td> <td>RA: 01 42 29.3151 (25.6221463d) Dec: -53 44 27.00 (-53.74083d) Equinox: J2000</td> <td>Proper Motion RA: 166.32 mas/yr Proper Motion Dec: -106.52 mas/yr Parallax: 0.05736" Epoch of Position: 2000.0</td> <td>V=5.52</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: replacement target 1, 07/14/16</i> <i>Extended=NO</i></p> | | | | | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (17) | HD-10647 | RA: 01 42 29.3151 (25.6221463d) Dec: -53 44 27.00 (-53.74083d) Equinox: J2000 | Proper Motion RA: 166.32 mas/yr Proper Motion Dec: -106.52 mas/yr Parallax: 0.05736" Epoch of Position: 2000.0 | V=5.52 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (17) | HD-10647 | RA: 01 42 29.3151 (25.6221463d) Dec: -53 44 27.00 (-53.74083d) Equinox: J2000 | Proper Motion RA: 166.32 mas/yr Proper Motion Dec: -106.52 mas/yr Parallax: 0.05736" Epoch of Position: 2000.0 | V=5.52 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exposures | <table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ (COS.ta.825 738)</td> <td>(17) HD-10647</td> <td>COS/NUV, ACQ/IMAGE, BOA</td> <td>MIRRORB</td> <td></td> <td></td> <td></td> <td>30 Secs (30 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G130M_FP 1 (COS.sp.820 740)</td> <td>(17) HD-10647</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=3</td> <td></td> <td></td> <td>1000 Secs (1000 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G130M_FP 2 (COS.sp.820 740)</td> <td>(17) HD-10647</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=4</td> <td></td> <td></td> <td>920 Secs (920 Secs) [==>]</td> <td>[1]</td> </tr> </tbody> </table> | | | | | | | | | | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | 1 | ACQ (COS.ta.825 738) | (17) HD-10647 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 30 Secs (30 Secs) [==>] | [1] | 2 | G130M_FP 1 (COS.sp.820 740) | (17) HD-10647 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | 3 | G130M_FP 2 (COS.sp.820 740) | (17) HD-10647 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |
| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | ACQ (COS.ta.825 738) | (17) HD-10647 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 30 Secs (30 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | G130M_FP 1 (COS.sp.820 740) | (17) HD-10647 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | G130M_FP 2 (COS.sp.820 740) | (17) HD-10647 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Orbit Structure | <div style="text-align: right;">Server Version: 20170613</div> <p>Orbit 1</p> <p>Timeline (seconds): 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500</p> <p>Key Events:</p> <ul style="list-style-type: none"> 0s: GS Acq 0-500s: Exp. 1 (blue hatched) 500s: Pointing Maneuver 500-1800s: Exp. 2 (green dotted) 1800-2800s: Exp. 3 (green dotted) 2800s: Home 2800-3400s: Unused Orbital Visibility = 618s 3400s: Occultation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | |
|------------------------------|---|-----------------------------|--|---|-----------------|---|---------------|--------|---------------------------------|-------|
| Visit | Proposal 14633, Visit 13, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 13) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (18) | HD-216437 | RA: 22 54 39.4820 (343.6645083d) Dec: -70 04 25.35 (-70.07371d) Equinox: J2000 | Proper Motion RA: -43.89 mas/yr Proper Motion Dec: 73.04 mas/yr Parallax: 0.03739" Epoch of Position: 2000.0 | V=6.04 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ (COS.ta.820 745) | (18) HD-216437 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 45 Secs (45 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (18) HD-216437 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (18) HD-216437 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| Orbit Structure | <p style="text-align: right;">Server Version: 20170613</p> <p>Orbit 1</p> <p>GS Acq Pointing Maneuver Unused Orbital Visibility = 780</p> <p>Exp. 1 Exp. 2 Exp. 3 Home Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p> | | | | | | | | | |

Proposal 14633 - Visit 14 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

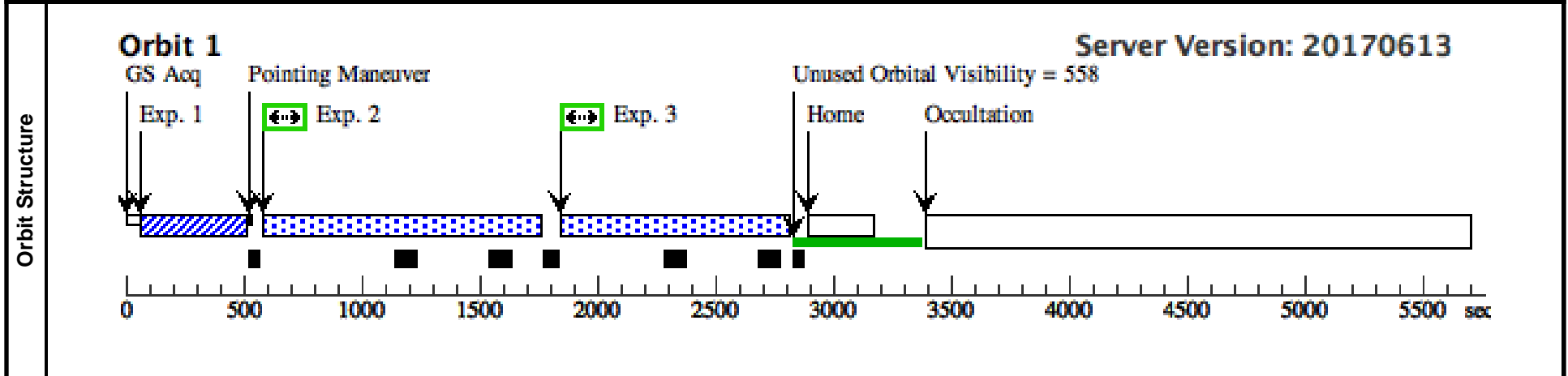
Thu Sep 21 19:01:36 GMT 2017

| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 14, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (14.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (14.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 14) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (14.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (14.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(19)</td> <td>GJ-86</td> <td>RA: 02 10 25.9342 (32.6080592d) Dec: -50 49 25.42 (-50.82373d) Equinox: J2000</td> <td>Proper Motion RA: 2092.86 mas/yr Proper Motion Dec: 653.21 mas/yr Parallax: 0.09274" Epoch of Position: 2000.0</td> <td>V=6.12</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (19) | GJ-86 | RA: 02 10 25.9342 (32.6080592d) Dec: -50 49 25.42 (-50.82373d) Equinox: J2000 | Proper Motion RA: 2092.86 mas/yr Proper Motion Dec: 653.21 mas/yr Parallax: 0.09274" Epoch of Position: 2000.0 | V=6.12 | Reference Frame: ICRS |
|----------------------|--|---|---|--------------------|--------------------------|--------|---------------|------|-------|---|---|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (19) | GJ-86 | RA: 02 10 25.9342 (32.6080592d) Dec: -50 49 25.42 (-50.82373d) Equinox: J2000 | Proper Motion RA: 2092.86 mas/yr Proper Motion Dec: 653.21 mas/yr Parallax: 0.09274" Epoch of Position: 2000.0 | V=6.12 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (19) GJ-86 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (19) GJ-86 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (19) GJ-86 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |

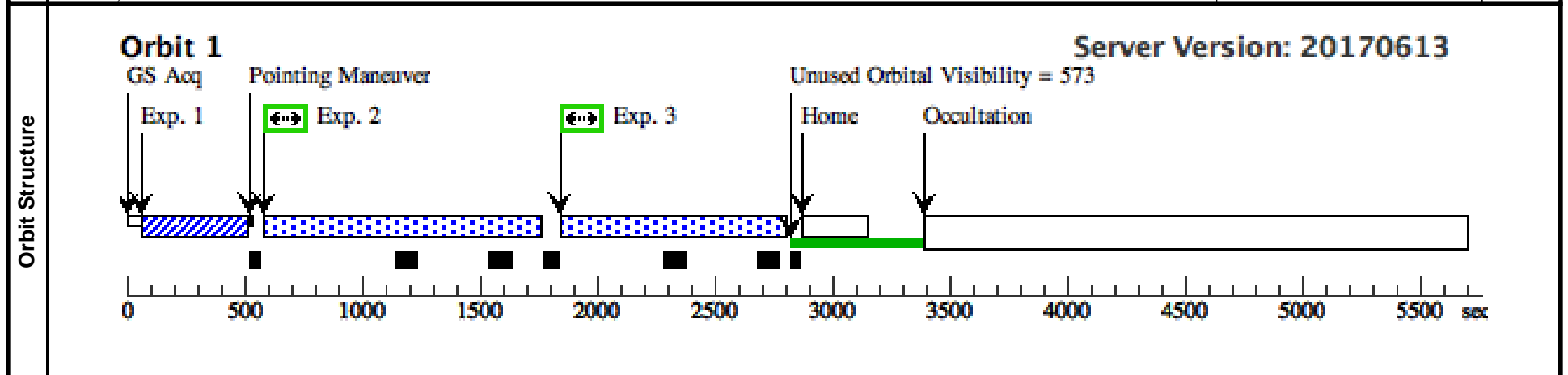


| | |
|--------------|--|
| Visit | <p>Proposal 14633, Visit 15, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (15.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (15.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 15) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (15.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(89)</td> <td>HD-23079</td> <td>RA: 03 39 43.0962 (54.9295675d) Dec: -52 54 57.02 (-52.91584d) Equinox: J2000</td> <td>Proper Motion RA: -192.57 mas/yr Proper Motion Dec: -92.82 mas/yr Parallax: 0.02951" Epoch of Position: 2000.0</td> <td>V=7.11</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (89) | HD-23079 | RA: 03 39 43.0962 (54.9295675d) Dec: -52 54 57.02 (-52.91584d) Equinox: J2000 | Proper Motion RA: -192.57 mas/yr Proper Motion Dec: -92.82 mas/yr Parallax: 0.02951" Epoch of Position: 2000.0 | V=7.11 | Reference Frame: ICRS |
|----------------------|---|---|---|--------------------------|--------------------------|---------------|---------------|------|----------|---|---|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (89) | HD-23079 | RA: 03 39 43.0962 (54.9295675d) Dec: -52 54 57.02 (-52.91584d) Equinox: J2000 | Proper Motion RA: -192.57 mas/yr Proper Motion Dec: -92.82 mas/yr Parallax: 0.02951" Epoch of Position: 2000.0 | V=7.11 | Reference Frame: ICRS | | | | | | | | |

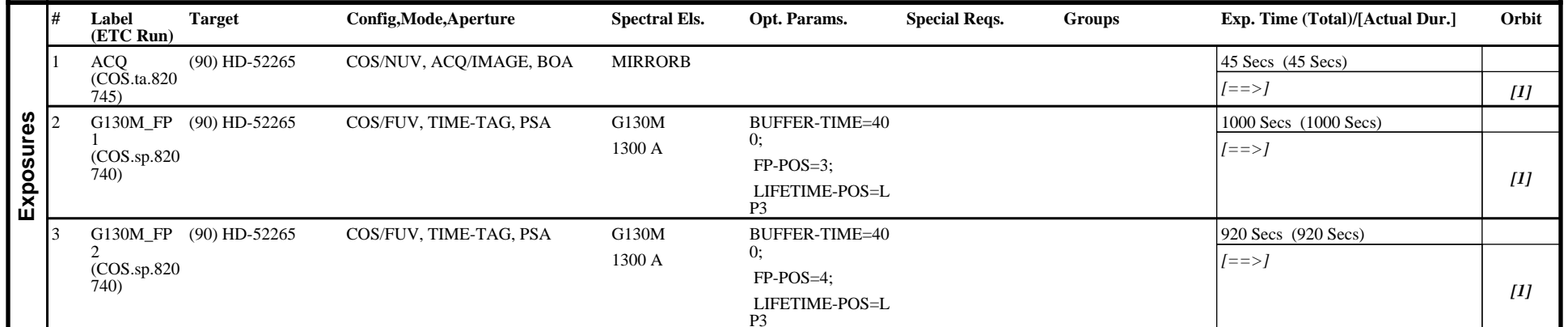
| Exposures | <table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ (COS.ta.820 745)</td> <td>(89) HD-23079</td> <td>COS/NUV, ACQ/IMAGE, BOA</td> <td>MIRRORB</td> <td></td> <td></td> <td></td> <td>60 Secs (60 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G130M_FP 1 (COS.sp.820 740)</td> <td>(89) HD-23079</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=3</td> <td></td> <td></td> <td>1000 Secs (1000 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G130M_FP 2 (COS.sp.820 740)</td> <td>(89) HD-23079</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=4</td> <td></td> <td></td> <td>905 Secs (905 Secs) [==>]</td> <td>[1]</td> </tr> </tbody> </table> | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | 1 | ACQ (COS.ta.820 745) | (89) HD-23079 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] | 2 | G130M_FP 1 (COS.sp.820 740) | (89) HD-23079 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | 3 | G130M_FP 2 (COS.sp.820 740) | (89) HD-23079 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 905 Secs (905 Secs) [==>] | [1] |
|------------------|--|-----------------------------|------------------------|-------------------------|----------------------------------|----------------------------------|---------------|------------------------------|---------------------------------|---------------------------------|-------|---|----------------------|---------------|-------------------------|---------|--|--|--|----------------------------|-----|---|-----------------------------|---------------|------------------------|-----------------|----------------------------------|--|--|--------------------------------|-----|---|-----------------------------|---------------|------------------------|-----------------|----------------------------------|--|--|------------------------------|-----|
| | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | ACQ (COS.ta.820 745) | (89) HD-23079 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (89) HD-23079 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | G130M_FP 2 (COS.sp.820 740) | (89) HD-23079 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 905 Secs (905 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| | |
|--------------|---|
| Visit | Proposal 14633, Visit 16, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: ORIENT 160D TO 70 D |
| | (Visit 16) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(90)</td> <td>HD-52265</td> <td>RA: 07 00 18.0361 (105.0751504d) Dec: -05 22 1.78 (-5.36716d) Equinox: J2000</td> <td>Proper Motion RA: -116.13 mas/yr Proper Motion Dec: 80.29 mas/yr Parallax: 0.03453" Epoch of Position: 2000.0</td> <td>V=6.29</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (90) | HD-52265 | RA: 07 00 18.0361 (105.0751504d) Dec: -05 22 1.78 (-5.36716d) Equinox: J2000 | Proper Motion RA: -116.13 mas/yr Proper Motion Dec: 80.29 mas/yr Parallax: 0.03453" Epoch of Position: 2000.0 | V=6.29 | Reference Frame: ICRS |
|----------------------|---|--|--|--------------------------|--------------------------|---------------|---------------|------|----------|--|--|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (90) | HD-52265 | RA: 07 00 18.0361 (105.0751504d) Dec: -05 22 1.78 (-5.36716d) Equinox: J2000 | Proper Motion RA: -116.13 mas/yr Proper Motion Dec: 80.29 mas/yr Parallax: 0.03453" Epoch of Position: 2000.0 | V=6.29 | Reference Frame: ICRS | | | | | | | | |

| # | Label (ETC Run) | Target | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|---------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.820 745) | (90) HD-52265 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 45 Secs (45 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (90) HD-52265 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (90) HD-52265 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |

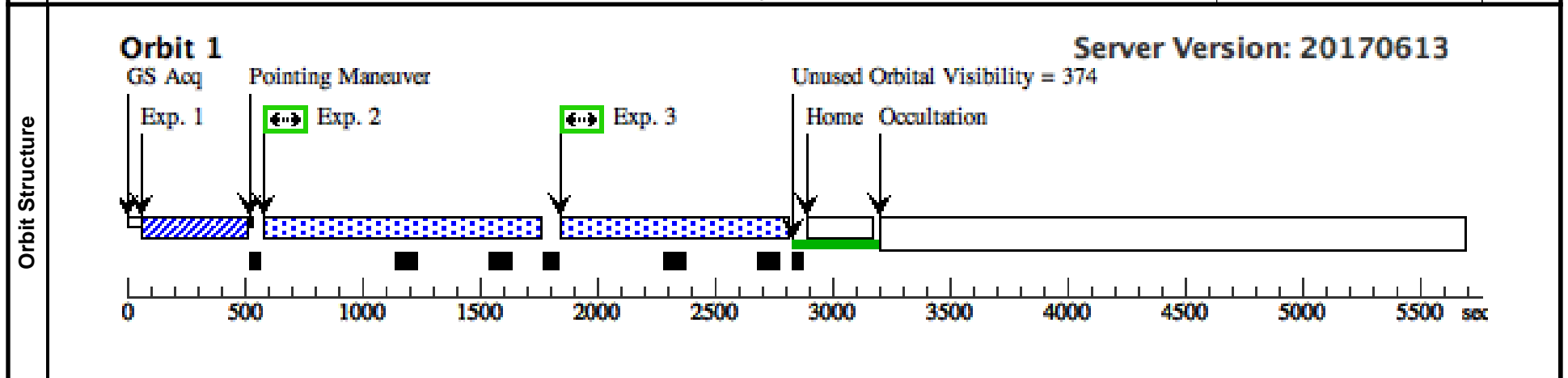


| | |
|--------------|---|
| Visit | Proposal 14633, Visit 17, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (Visit 17) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(91)</td> <td>HD-11964</td> <td>RA: 01 57 9.6076 (29.2900317d) Dec: -10 14 32.73 (-10.24243d) Equinox: J2000</td> <td>Proper Motion RA: -366.23 mas/yr Proper Motion Dec: -242.39 mas/yr Parallax: 0.03044" Epoch of Position: 2000.0</td> <td>V=6.42</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (91) | HD-11964 | RA: 01 57 9.6076 (29.2900317d) Dec: -10 14 32.73 (-10.24243d) Equinox: J2000 | Proper Motion RA: -366.23 mas/yr Proper Motion Dec: -242.39 mas/yr Parallax: 0.03044" Epoch of Position: 2000.0 | V=6.42 | Reference Frame: ICRS |
|----------------------|---|--|--|--------------------|--------------------------|--------|---------------|------|----------|--|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (91) | HD-11964 | RA: 01 57 9.6076 (29.2900317d) Dec: -10 14 32.73 (-10.24243d) Equinox: J2000 | Proper Motion RA: -366.23 mas/yr Proper Motion Dec: -242.39 mas/yr Parallax: 0.03044" Epoch of Position: 2000.0 | V=6.42 | Reference Frame: ICRS | | | | | | | | |

| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|---------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.820 745) | (91) HD-11964 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (91) HD-11964 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (91) HD-11964 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 18 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

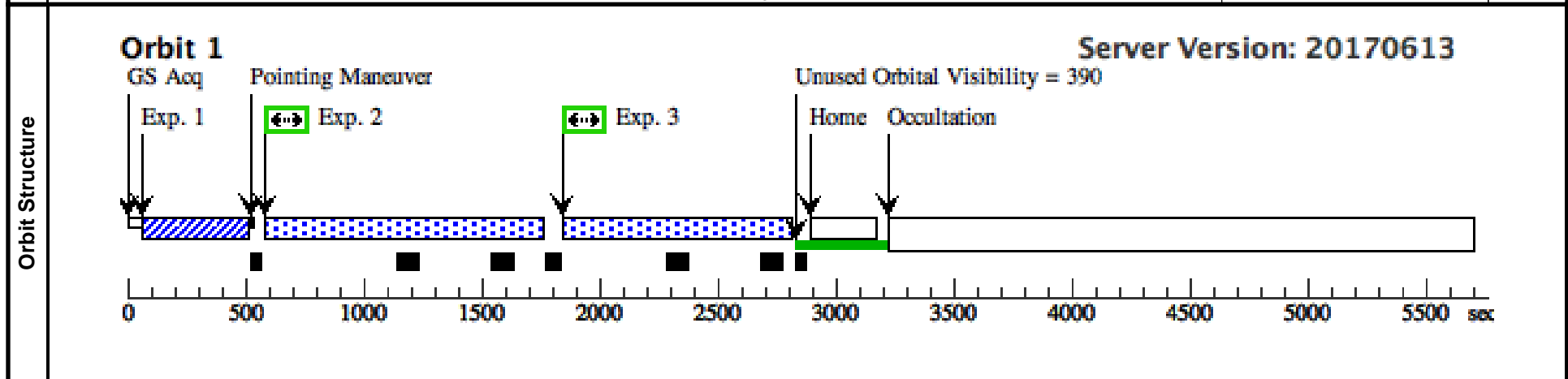
Thu Sep 21 19:01:36 GMT 2017

| | |
|--------------|--|
| Visit | Proposal 14633, Visit 18, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (Visit 18) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(92)</td> <td>HD-134987</td> <td>RA: 15 13 28.6671 (228.3694463d) Dec: -25 18 33.65 (-25.30935d) Equinox: J2000</td> <td>Proper Motion RA: -399.92 mas/yr Proper Motion Dec: -74.85 mas/yr Parallax: 0.03816" Epoch of Position: 2000.0</td> <td>V=6.47</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (92) | HD-134987 | RA: 15 13 28.6671 (228.3694463d) Dec: -25 18 33.65 (-25.30935d) Equinox: J2000 | Proper Motion RA: -399.92 mas/yr Proper Motion Dec: -74.85 mas/yr Parallax: 0.03816" Epoch of Position: 2000.0 | V=6.47 | Reference Frame: ICRS |
|------------------------------|---|--|---|--------------------------|--------------------------|---------------|---------------|------|-----------|--|---|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (92) | HD-134987 | RA: 15 13 28.6671 (228.3694463d) Dec: -25 18 33.65 (-25.30935d) Equinox: J2000 | Proper Motion RA: -399.92 mas/yr Proper Motion Dec: -74.85 mas/yr Parallax: 0.03816" Epoch of Position: 2000.0 | V=6.47 | Reference Frame: ICRS | | | | | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|-----------------------------|----------------------|------------------------|-------------------------|---|--------------|---------------|--------|---------------------------------|----------------------------|
| | 1 | ACQ (COS.ta.820 745) | (92) HD-134987 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | | 60 Secs (60 Secs) [==>] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (92) HD-134987 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (92) HD-134987 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 19 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:36 GMT 2017

| | | | | | | | | | | |
|------------------------------|---|-----------------------------|---|--|-----------------|---|---------------|--------|---------------------------------|-------|
| Visit | Proposal 14633, Visit 19, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 19) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (93) | HD-210277 | RA: 22 09 29.8655 (332.3744396d) Dec: -07 32 55.15 (-7.54865d) Equinox: J2000 | Proper Motion RA: 85.07 mas/yr Proper Motion Dec: -449.74 mas/yr Parallax: 0.04638" Epoch of Position: 2000.0 | V=6.54 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ (COS.ta.820 745) | (93) HD-210277 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (93) HD-210277 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (93) HD-210277 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| Orbit Structure | <p style="text-align: right;">Server Version: 20170613</p> <p>Orbit 1</p> | | | | | | | | | |
| | <p>GS Acq Pointing Maneuver Unused Orbital Visibility = 370 Home Occultation</p> <p>Exp. 1 Exp. 2 Exp. 3</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p> | | | | | | | | | |

Proposal 14633 - Visit 20 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:36 GMT 2017

| | | | | | | | | | | |
|------------------------------|---|-----------------------------|---|---|-----------------|---|---------------|--------|---------------------------------|-------|
| Visit | Proposal 14633, Visit 20, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 20) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (94) | HD-4308 | RA: 00 44 39.2671 (11.1636129d) Dec: -65 38 58.28 (-65.64952d) Equinox: J2000 | Proper Motion RA: 157.49 mas/yr Proper Motion Dec: -742.32 mas/yr Parallax: 0.04534" Epoch of Position: 2000.0 | V=6.55 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ (COS.ta.820 745) | (94) HD-4308 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (94) HD-4308 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (94) HD-4308 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| Orbit Structure | <p>Orbit 1 Server Version: 20170613</p> | | | | | | | | | |
| | <p>Unused Orbital Visibility = 711</p> | | | | | | | | | |

Proposal 14633 - Visit 21 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:36 GMT 2017

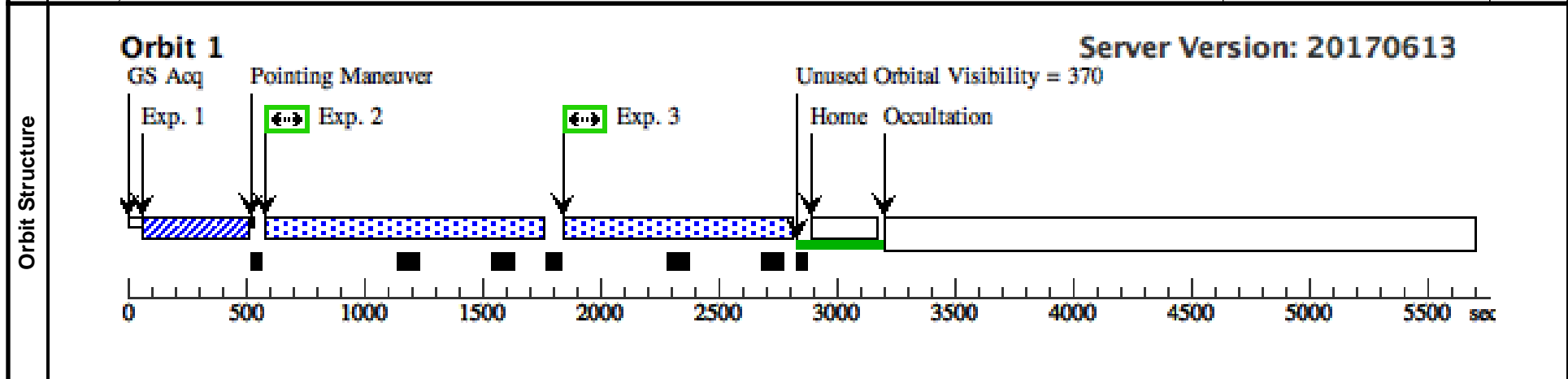
| | | | | | | | | | | |
|------------------------------|--|-----------------------------|---|--|-----------------|---|---------------|--------|---------------------------------|-------|
| Visit | Proposal 14633, Visit 21, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 21) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (95) | HD-1237 | RA: 00 16 12.6780 (4.0528250d) Dec: -79 51 4.24 (-79.85118d) Equinox: J2000 | Proper Motion RA: 433.92 mas/yr Proper Motion Dec: -56.74 mas/yr Parallax: 0.05715" Epoch of Position: 2000.0 | V=6.59 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ (COS.ta.820 745) | (95) HD-1237 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (95) HD-1237 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (95) HD-1237 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| Orbit Structure | <p>Orbit 1 Server Version: 20170613</p> <p>GS Acq Pointing Maneuver Unused Orbital Visibility = 744 Home Occultation</p> <p>Exp. 1 Exp. 2 Exp. 3</p> <p>The diagram shows a timeline from 0 to 5500 seconds. Key events include: GS Acq at ~100s, Exp. 1 (blue hatched) from ~100s to ~500s, Pointing Maneuver (dotted) from ~500s to ~1800s, Exp. 2 (green hatched) from ~500s to ~1800s, Exp. 3 (green hatched) from ~1800s to ~2800s, Home (white) from ~2800s to ~3500s, Occultation (white) from ~3500s to ~5500s. A green bar at the bottom indicates visibility from ~2800s to ~3500s. A gap in visibility from ~3500s to ~5500s is labeled 'Unused Orbital Visibility = 744'. Small black squares mark the start of each exposure and maneuver.</p> | | | | | | | | | |
| | <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p> | | | | | | | | | |

| | |
|--------------|---|
| Visit | Proposal 14633, Visit 22, scheduled Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (22.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (22.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 22) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (22.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(96)</td> <td>HD-1461</td> <td>RA: 00 18 41.8672 (4.6744467d) Dec: -08 03 10.80 (-8.05300d) Equinox: J2000</td> <td>Proper Motion RA: 416.87 mas/yr Proper Motion Dec: -143.83 mas/yr Parallax: 0.04302" Epoch of Position: 2000.0</td> <td>V=6.6029</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (96) | HD-1461 | RA: 00 18 41.8672 (4.6744467d) Dec: -08 03 10.80 (-8.05300d) Equinox: J2000 | Proper Motion RA: 416.87 mas/yr Proper Motion Dec: -143.83 mas/yr Parallax: 0.04302" Epoch of Position: 2000.0 | V=6.6029 | Reference Frame: ICRS |
|------------------------------|--|---|---|--------------------------|--------------------------|---------------|---------------|------|---------|---|---|----------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (96) | HD-1461 | RA: 00 18 41.8672 (4.6744467d) Dec: -08 03 10.80 (-8.05300d) Equinox: J2000 | Proper Motion RA: 416.87 mas/yr Proper Motion Dec: -143.83 mas/yr Parallax: 0.04302" Epoch of Position: 2000.0 | V=6.6029 | Reference Frame: ICRS | | | | | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|--------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (96) HD-1461 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (96) HD-1461 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (96) HD-1461 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



| | | | | | | | | | | |
|------------------------------|---|-----------------------------|--|---|-----------------|---|---------------|--------|---------------------------------|-------|
| Visit | Proposal 14633, Visit 23, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 23) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (97) | 14-HER | RA: 16 10 24.3138 (242.6013075d) Dec: +43 49 3.53 (43.81765d) Equinox: J2000 | Proper Motion RA: 131.83 mas/yr Proper Motion Dec: -297.54 mas/yr Parallax: 0.05691" Epoch of Position: 2000.0 | V=6.61 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ (COS.ta.836 104) | (97) 14-HER | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 20 Secs (20 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (97) 14-HER | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (97) 14-HER | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| Orbit Structure | <div style="display: flex; justify-content: space-between;"> <div> <p>Orbit 1</p> <p>GS Acq Pointing Maneuver</p> </div> <div> <p>Server Version: 20170613</p> <p>Unused Orbital Visibility = 543</p> </div> </div> <p>The diagram shows a timeline for Orbit 1. Key events include GS Acq at ~100s, Pointing Maneuver at ~400s, Exp. 1 at ~500s, Exp. 2 at ~600s, Exp. 3 at ~1800s, Home at ~2800s, and Occultation at ~3300s. A green bar at the bottom indicates a period of unused orbital visibility from approximately 2800 to 3300 seconds.</p> | | | | | | | | | |

Proposal 14633 - Visit 24 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

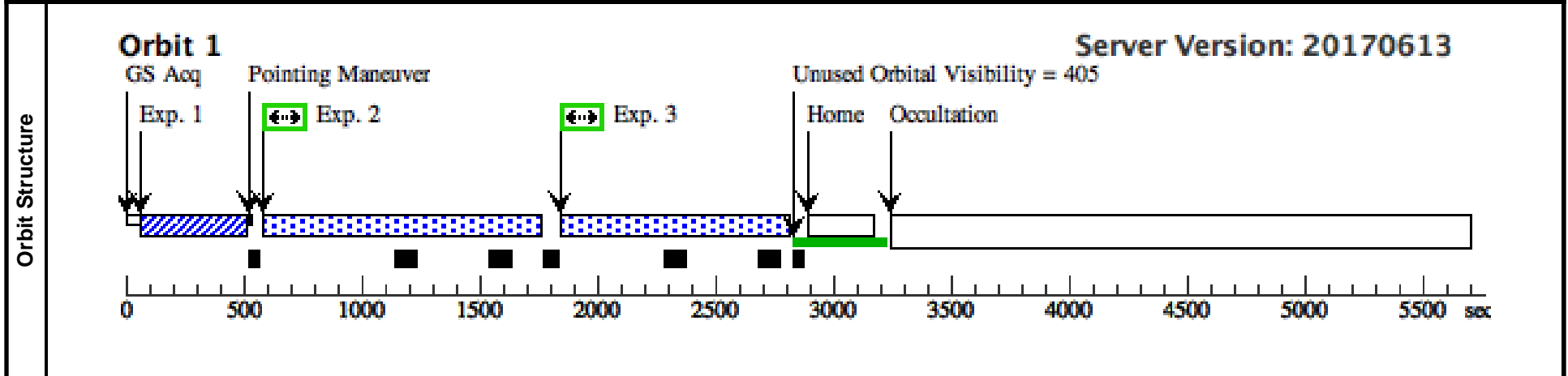
Thu Sep 21 19:01:36 GMT 2017

| | |
|--------------|--|
| Visit | <p>Proposal 14633, Visit 24, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (24.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (24.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 24) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (24.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(98)</td> <td>HD-114729A</td> <td>RA: 13 12 44.2570 (198.1844042d) Dec: -31 52 24.06 (-31.87335d) Equinox: J2000</td> <td>Proper Motion RA: -202.87 mas/yr Proper Motion Dec: -308.32 mas/yr Parallax: 0.02769" Epoch of Position: 2000.0</td> <td>V=6.68</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (98) | HD-114729A | RA: 13 12 44.2570 (198.1844042d) Dec: -31 52 24.06 (-31.87335d) Equinox: J2000 | Proper Motion RA: -202.87 mas/yr Proper Motion Dec: -308.32 mas/yr Parallax: 0.02769" Epoch of Position: 2000.0 | V=6.68 | Reference Frame: ICRS |
|-------------------------------------|---|--|--|--------------------------|--------------------------|---------------|---------------|------|------------|--|--|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (98) | HD-114729A | RA: 13 12 44.2570 (198.1844042d) Dec: -31 52 24.06 (-31.87335d) Equinox: J2000 | Proper Motion RA: -202.87 mas/yr Proper Motion Dec: -308.32 mas/yr Parallax: 0.02769" Epoch of Position: 2000.0 | V=6.68 | Reference Frame: ICRS | | | | | | | | |
| <p><i>Comments: Extended=NO</i></p> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (98) HD-114729A | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (98) HD-114729A | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (98) HD-114729A | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 25 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

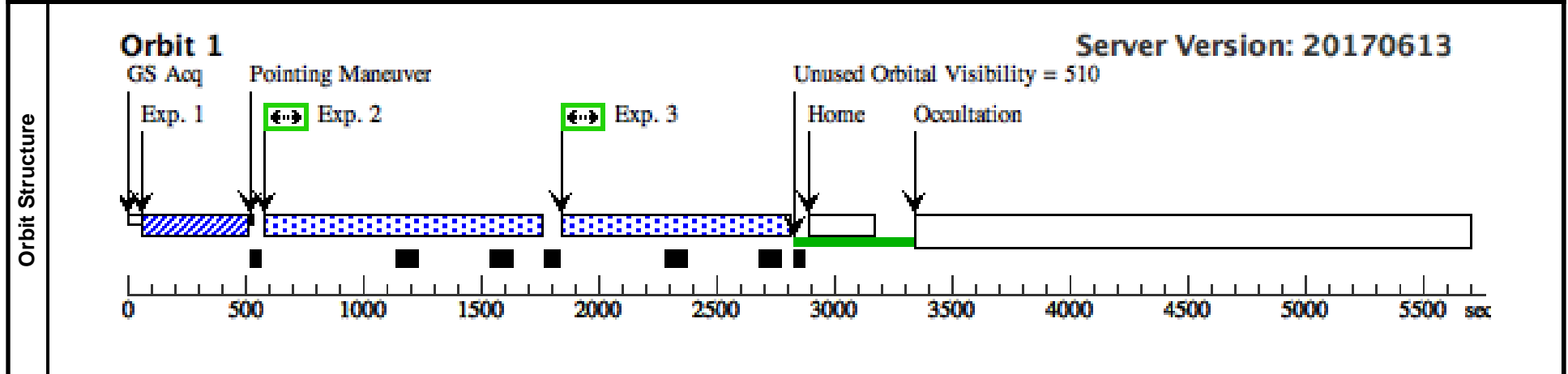
Thu Sep 21 19:01:36 GMT 2017

| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 25, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (25.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (25.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 25) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (25.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (25.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(99)</td> <td>HD-154345</td> <td>RA: 17 02 36.4036 (255.6516817d) Dec: +47 04 54.76 (47.08188d) Equinox: J2000</td> <td>Proper Motion RA: 123.27 mas/yr Proper Motion Dec: 853.63 mas/yr Parallax: 0.0538" Epoch of Position: 2000.0</td> <td>V=6.76</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (99) | HD-154345 | RA: 17 02 36.4036 (255.6516817d) Dec: +47 04 54.76 (47.08188d) Equinox: J2000 | Proper Motion RA: 123.27 mas/yr Proper Motion Dec: 853.63 mas/yr Parallax: 0.0538" Epoch of Position: 2000.0 | V=6.76 | Reference Frame: ICRS |
|----------------------|--|---|---|--------------------|--------------------------|--------|---------------|------|-----------|---|---|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (99) | HD-154345 | RA: 17 02 36.4036 (255.6516817d) Dec: +47 04 54.76 (47.08188d) Equinox: J2000 | Proper Motion RA: 123.27 mas/yr Proper Motion Dec: 853.63 mas/yr Parallax: 0.0538" Epoch of Position: 2000.0 | V=6.76 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (99) HD-154345 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (99) HD-154345 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (99) HD-154345 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |

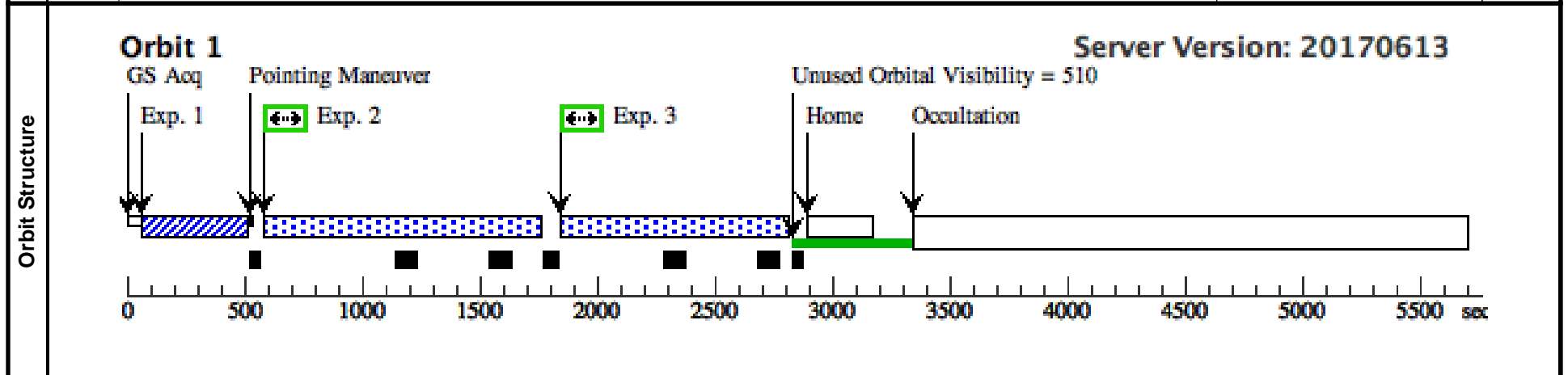


| | |
|--------------|--|
| Visit | <p>Proposal 14633, Visit 26, failed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|--|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (26.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (26.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 26) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (26.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (26.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(100)</td> <td>HD-213240</td> <td>RA: 22 31 0.3664 (337.7515267d) Dec: -49 25 59.78 (-49.43327d) Equinox: J2000</td> <td>Proper Motion RA: -136.01 mas/yr Proper Motion Dec: -194.44 mas/yr Parallax: 0.02461" Epoch of Position: 2000.0</td> <td>V=6.81</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (100) | HD-213240 | RA: 22 31 0.3664 (337.7515267d) Dec: -49 25 59.78 (-49.43327d) Equinox: J2000 | Proper Motion RA: -136.01 mas/yr Proper Motion Dec: -194.44 mas/yr Parallax: 0.02461" Epoch of Position: 2000.0 | V=6.81 | Reference Frame: ICRS |
|----------------------|--|---|--|--------------------|--------------------------|--------|---------------|-------|-----------|---|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (100) | HD-213240 | RA: 22 31 0.3664 (337.7515267d) Dec: -49 25 59.78 (-49.43327d) Equinox: J2000 | Proper Motion RA: -136.01 mas/yr Proper Motion Dec: -194.44 mas/yr Parallax: 0.02461" Epoch of Position: 2000.0 | V=6.81 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (100) HD-213240 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (100) HD-213240 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (100) HD-213240 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 27 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

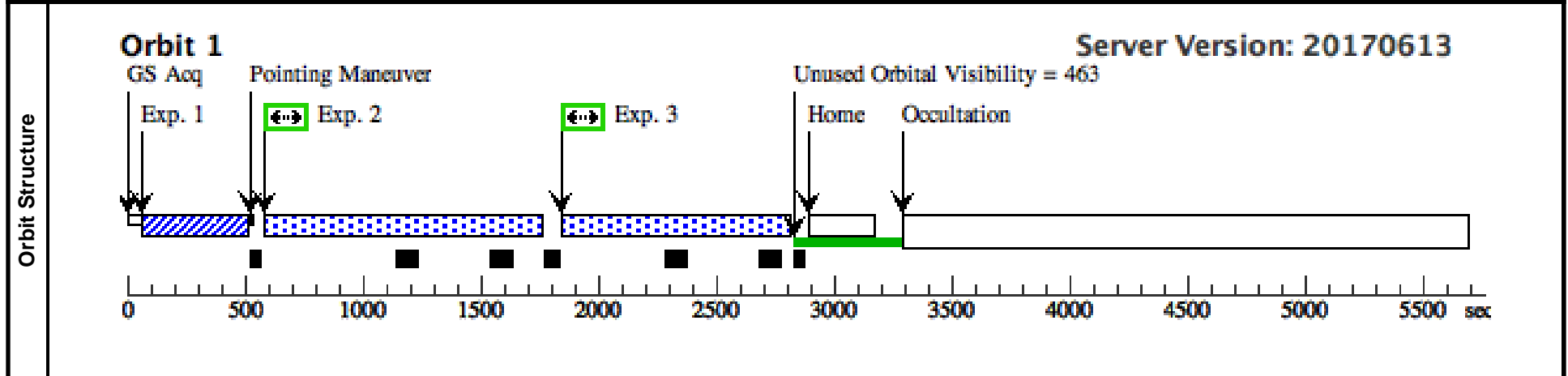
Thu Sep 21 19:01:36 GMT 2017

| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 27, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (27.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (27.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 27) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (27.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (27.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(101)</td> <td>HD-197037</td> <td>RA: 20 39 32.9601 (309.8873337d) Dec: +42 14 54.78 (42.24855d) Equinox: J2000</td> <td>Proper Motion RA: -62.47 mas/yr Proper Motion Dec: -220.96 mas/yr Parallax: 0.03093" Epoch of Position: 2000.0</td> <td>V=6.87</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (101) | HD-197037 | RA: 20 39 32.9601 (309.8873337d) Dec: +42 14 54.78 (42.24855d) Equinox: J2000 | Proper Motion RA: -62.47 mas/yr Proper Motion Dec: -220.96 mas/yr Parallax: 0.03093" Epoch of Position: 2000.0 | V=6.87 | Reference Frame: ICRS |
|----------------------|---|---|---|--------------------|--------------------------|--------|---------------|-------|-----------|---|---|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (101) | HD-197037 | RA: 20 39 32.9601 (309.8873337d) Dec: +42 14 54.78 (42.24855d) Equinox: J2000 | Proper Motion RA: -62.47 mas/yr Proper Motion Dec: -220.96 mas/yr Parallax: 0.03093" Epoch of Position: 2000.0 | V=6.87 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (101) HD-197037 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (101) HD-197037 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (101) HD-197037 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



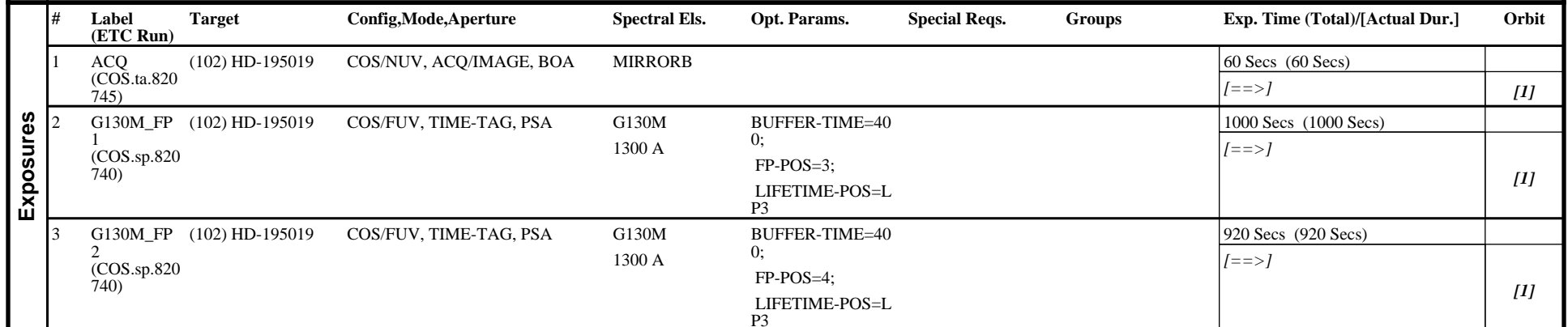
Proposal 14633 - Visit 28 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:36 GMT 2017

| | |
|--------------|---|
| Visit | Proposal 14633, Visit 28, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: ORIENT 330D TO 200 D |
| | (Visit 28) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(102)</td> <td>HD-195019</td> <td>RA: 20 28 18.6357 (307.0776487d) Dec: +18 46 10.17 (18.76949d) Equinox: J2000</td> <td>Proper Motion RA: 348.48 mas/yr Proper Motion Dec: -58.39 mas/yr Parallax: 0.02596" Epoch of Position: 2000.0</td> <td>V=6.87</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (102) | HD-195019 | RA: 20 28 18.6357 (307.0776487d) Dec: +18 46 10.17 (18.76949d) Equinox: J2000 | Proper Motion RA: 348.48 mas/yr Proper Motion Dec: -58.39 mas/yr Parallax: 0.02596" Epoch of Position: 2000.0 | V=6.87 | Reference Frame: ICRS |
|----------------------|--|---|--|--------------------------|--------------------------|---------------|---------------|-------|-----------|---|--|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (102) | HD-195019 | RA: 20 28 18.6357 (307.0776487d) Dec: +18 46 10.17 (18.76949d) Equinox: J2000 | Proper Motion RA: 348.48 mas/yr Proper Motion Dec: -58.39 mas/yr Parallax: 0.02596" Epoch of Position: 2000.0 | V=6.87 | Reference Frame: ICRS | | | | | | | | |

| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|-----------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.820 745) | (102) HD-195019 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (102) HD-195019 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (102) HD-195019 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 29 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

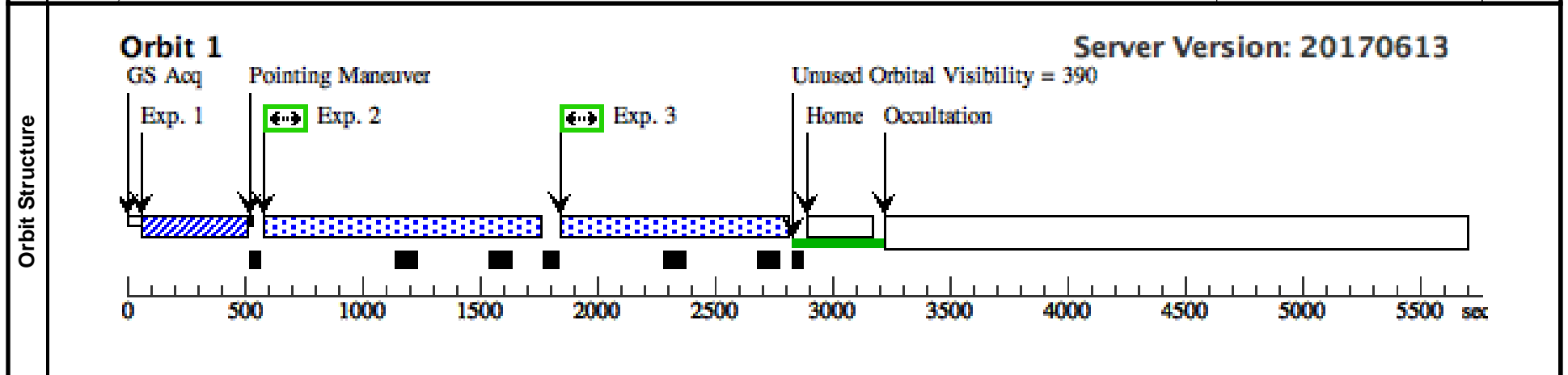
Thu Sep 21 19:01:36 GMT 2017

| | |
|--------------|---|
| Visit | Proposal 14633, Visit 29, completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (29.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (29.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 29) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (29.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(103)</td> <td>HD-90156</td> <td>RA: 10 23 55.2748 (155.9803117d) Dec: -29 38 43.91 (-29.64553d) Equinox: J2000</td> <td>Proper Motion RA: -38.02 mas/yr Proper Motion Dec: 99.61 mas/yr Parallax: 0.04474" Epoch of Position: 2000.0</td> <td>V=6.92</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (103) | HD-90156 | RA: 10 23 55.2748 (155.9803117d) Dec: -29 38 43.91 (-29.64553d) Equinox: J2000 | Proper Motion RA: -38.02 mas/yr Proper Motion Dec: 99.61 mas/yr Parallax: 0.04474" Epoch of Position: 2000.0 | V=6.92 | Reference Frame: ICRS |
|------------------------------|---|--|---|--------------------------|--------------------------|---------------|---------------|-------|----------|--|---|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (103) | HD-90156 | RA: 10 23 55.2748 (155.9803117d) Dec: -29 38 43.91 (-29.64553d) Equinox: J2000 | Proper Motion RA: -38.02 mas/yr Proper Motion Dec: 99.61 mas/yr Parallax: 0.04474" Epoch of Position: 2000.0 | V=6.92 | Reference Frame: ICRS | | | | | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | | | | |

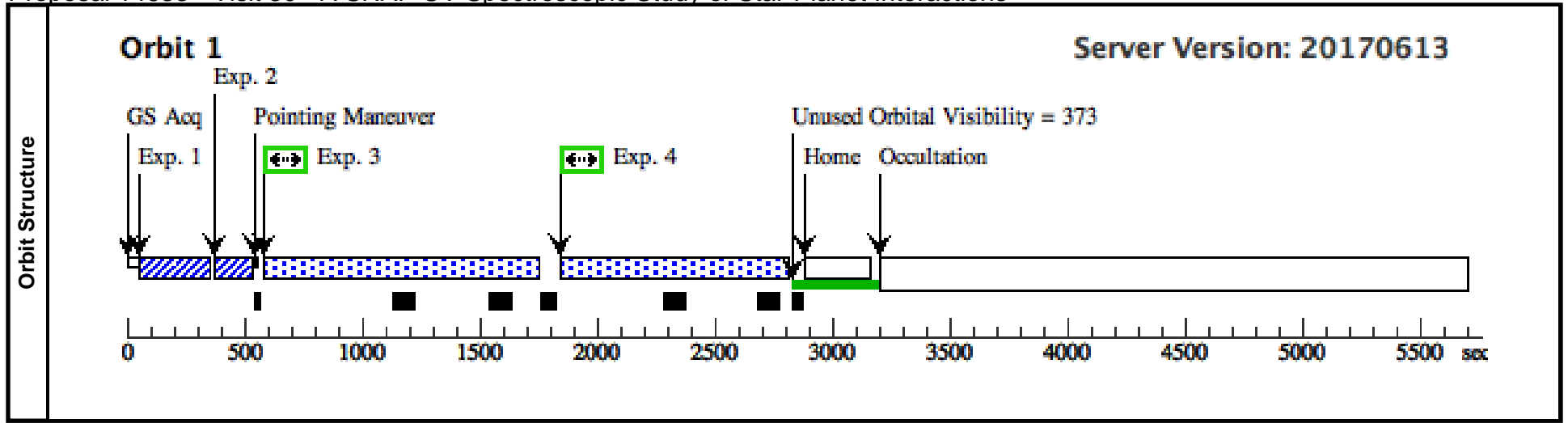
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (103) HD-90156 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (103) HD-90156 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (103) HD-90156 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 30 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:36 GMT 2017

| Visit | Proposal 14633, Visit 30, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: ORIENT 85D TO 230 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|---|--------------------------|---|---------------|--------|---------------------------------|-------|---|-----------------|--------|----------------------|--------------------------|--------------|---------------|--------|---------------------------------|--|---|-------------------------------|-----------------------|--------------------------|-----------------|--|--|--|--------------------------|-----|---|------------------------------|-----------------|-------------------------|-----------------|-----------------------------|--|--|--------------------------|-----|---|--------------------------------------|-----------------|------------------------|-----------------|---|--|--|--------------------------------|-----|---|--------------------------------------|-----------------|------------------------|-----------------|---|--|--|------------------------------|-----|
| | (Visit 30) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(104)</td> <td>HD-168443</td> <td>RA: 18 20 3.9305 (275.0163771d) Dec: -09 35 44.59 (-9.59572d) Equinox: J2000</td> <td>Proper Motion RA: -93.84 mas/yr Proper Motion Dec: -222.83 mas/yr Parallax: 0.02672" Epoch of Position: 2000.0</td> <td>V=6.92</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> Comments: Extended=NO | | | | | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (104) | HD-168443 | RA: 18 20 3.9305 (275.0163771d) Dec: -09 35 44.59 (-9.59572d) Equinox: J2000 | Proper Motion RA: -93.84 mas/yr Proper Motion Dec: -222.83 mas/yr Parallax: 0.02672" Epoch of Position: 2000.0 | V=6.92 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (104) | HD-168443 | RA: 18 20 3.9305 (275.0163771d) Dec: -09 35 44.59 (-9.59572d) Equinox: J2000 | Proper Motion RA: -93.84 mas/yr Proper Motion Dec: -222.83 mas/yr Parallax: 0.02672" Epoch of Position: 2000.0 | V=6.92 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ-XD (COS.sa.848 688)</td> <td>(104) HD-168443</td> <td>COS/NUV, ACQ/PEAKXD, PSA</td> <td>G225M 2250 A</td> <td></td> <td></td> <td></td> <td>3 Secs (3 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>ACQ-D (COS.sa.848 761)</td> <td>(104) HD-168443</td> <td>COS/NUV, ACQ/PEAKD, PSA</td> <td>G225M 2250 A</td> <td>NUM-POS=5; STEP-SIZE=0.9</td> <td></td> <td></td> <td>3 Secs (3 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G130M_FP 1 (COS.sp.820 740)</td> <td>(104) HD-168443</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3</td> <td></td> <td></td> <td>1000 Secs (1000 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>G130M_FP 2 (COS.sp.820 740)</td> <td>(104) HD-168443</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3</td> <td></td> <td></td> <td>920 Secs (920 Secs) [==>]</td> <td>[1]</td> </tr> </tbody> </table> | | | | | | | | | | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | 1 | ACQ-XD (COS.sa.848 688) | (104) HD-168443 | COS/NUV, ACQ/PEAKXD, PSA | G225M 2250 A | | | | 3 Secs (3 Secs) [==>] | [1] | 2 | ACQ-D (COS.sa.848 761) | (104) HD-168443 | COS/NUV, ACQ/PEAKD, PSA | G225M 2250 A | NUM-POS=5; STEP-SIZE=0.9 | | | 3 Secs (3 Secs) [==>] | [1] | 3 | G130M_FP 1 (COS.sp.820 740) | (104) HD-168443 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] | 4 | G130M_FP 2 (COS.sp.820 740) | (104) HD-168443 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | ACQ-XD (COS.sa.848 688) | (104) HD-168443 | COS/NUV, ACQ/PEAKXD, PSA | G225M 2250 A | | | | 3 Secs (3 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | ACQ-D (COS.sa.848 761) | (104) HD-168443 | COS/NUV, ACQ/PEAKD, PSA | G225M 2250 A | NUM-POS=5; STEP-SIZE=0.9 | | | 3 Secs (3 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | G130M_FP 1 (COS.sp.820 740) | (104) HD-168443 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | G130M_FP 2 (COS.sp.820 740) | (104) HD-168443 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

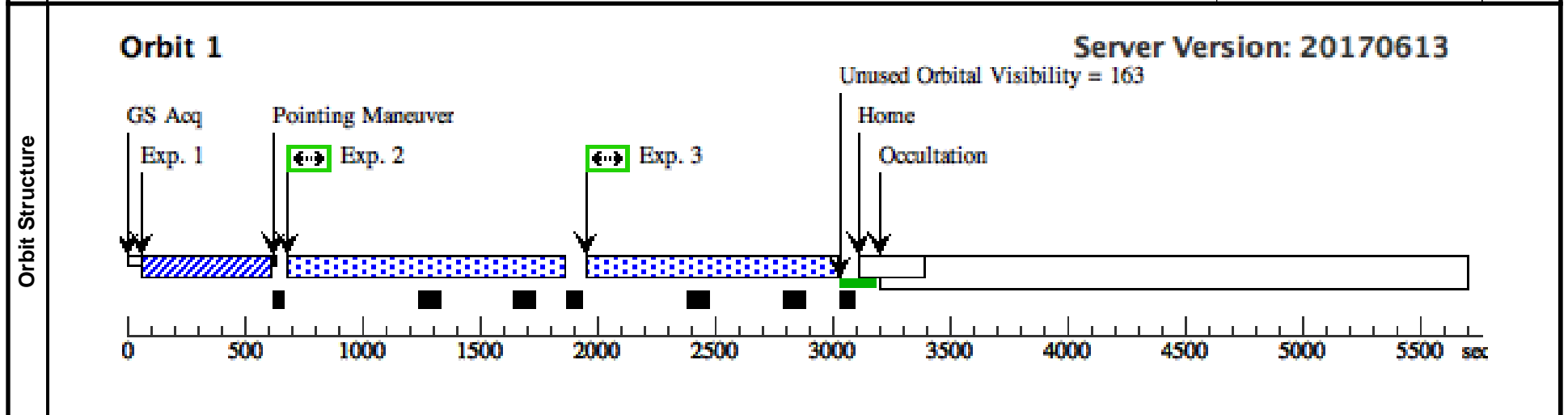


| | |
|--------------|---|
| Visit | Proposal 14633, Visit 31, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: ORIENT 340D TO 210 D |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (Visit 31) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(105)</td> <td>HD-33636</td> <td>RA: 05 11 46.4484 (77.9435350d) Dec: +04 24 12.73 (4.40354d) Equinox: J2000</td> <td>Proper Motion RA: 179.69 mas/yr Proper Motion Dec: -138.4 mas/yr Parallax: 0.03525" Epoch of Position: 2000.0</td> <td>V=7.0</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (105) | HD-33636 | RA: 05 11 46.4484 (77.9435350d) Dec: +04 24 12.73 (4.40354d) Equinox: J2000 | Proper Motion RA: 179.69 mas/yr Proper Motion Dec: -138.4 mas/yr Parallax: 0.03525" Epoch of Position: 2000.0 | V=7.0 | Reference Frame: ICRS |
|----------------------|--|---|--|--------------------|--------------------------|--------|---------------|-------|----------|---|--|-------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (105) | HD-33636 | RA: 05 11 46.4484 (77.9435350d) Dec: +04 24 12.73 (4.40354d) Equinox: J2000 | Proper Motion RA: 179.69 mas/yr Proper Motion Dec: -138.4 mas/yr Parallax: 0.03525" Epoch of Position: 2000.0 | V=7.0 | Reference Frame: ICRS | | | | | | | | |

| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|----------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.820 745) | (105) HD-33636 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 112 Secs (112 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (105) HD-33636 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (105) HD-33636 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 1020 Secs (1020 Secs) [==>] | [1] |



Proposal 14633 - Visit 32 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

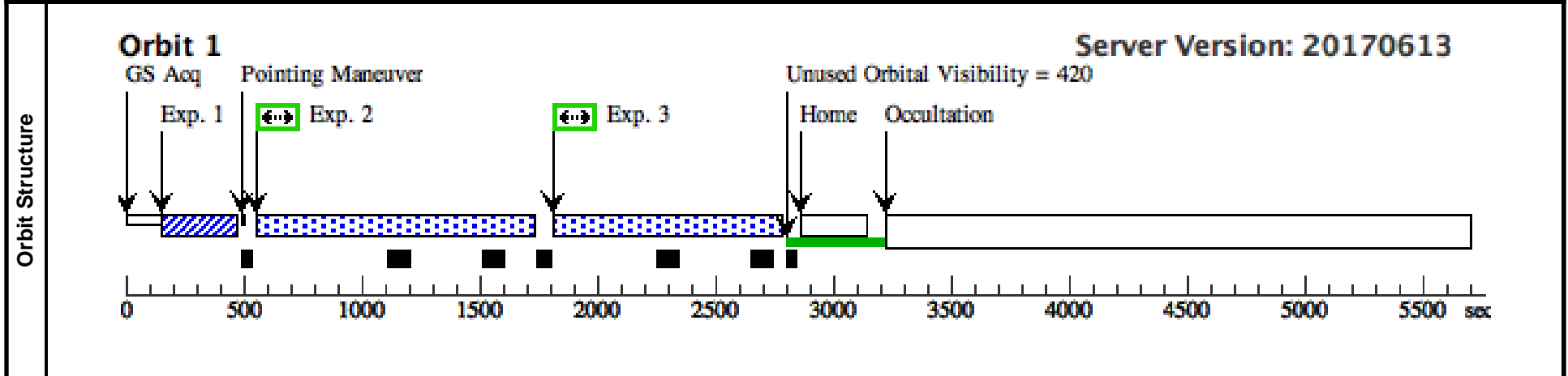
Thu Sep 21 19:01:36 GMT 2017

| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 32, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (32.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (32.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 32) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (32.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (32.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(106)</td> <td>HD-164922</td> <td>RA: 18 02 30.8622 (270.6285925d) Dec: +26 18 46.81 (26.31300d) Equinox: J2000</td> <td>Proper Motion RA: 389.41 mas/yr Proper Motion Dec: -602.03 mas/yr Parallax: 0.04521" Epoch of Position: 2000.0</td> <td>V=7.01</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (106) | HD-164922 | RA: 18 02 30.8622 (270.6285925d) Dec: +26 18 46.81 (26.31300d) Equinox: J2000 | Proper Motion RA: 389.41 mas/yr Proper Motion Dec: -602.03 mas/yr Parallax: 0.04521" Epoch of Position: 2000.0 | V=7.01 | Reference Frame: ICRS |
|----------------------|---|---|---|--------------------|--------------------------|--------|---------------|-------|-----------|---|---|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (106) | HD-164922 | RA: 18 02 30.8622 (270.6285925d) Dec: +26 18 46.81 (26.31300d) Equinox: J2000 | Proper Motion RA: 389.41 mas/yr Proper Motion Dec: -602.03 mas/yr Parallax: 0.04521" Epoch of Position: 2000.0 | V=7.01 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (106) HD-164922 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 45 Secs (45 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (106) HD-164922 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (106) HD-164922 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |

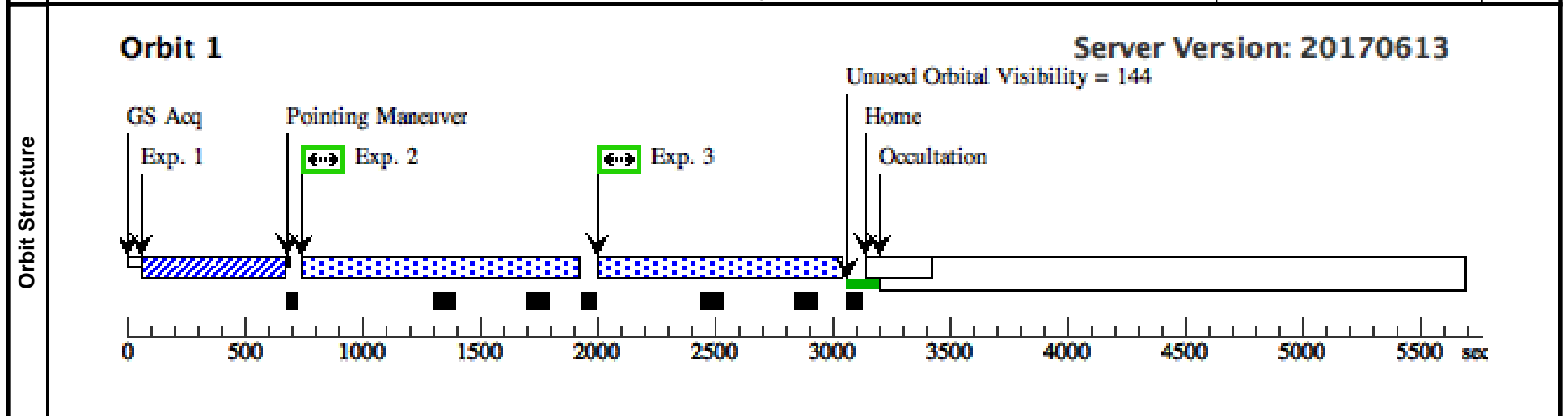


| | |
|--------------|---|
| Visit | Proposal 14633, Visit 33, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
| | (Visit 33) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |

| | |
|--------------------|---|
| Diagnostics | (Visit 33) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(107)</td> <td>HD-89307</td> <td>RA: 10 18 21.2879 (154.5886996d) Dec: +12 37 15.98 (12.62111d) Equinox: J2000</td> <td>Proper Motion RA: -272.29 mas/yr Proper Motion Dec: -39.91 mas/yr Parallax: 0.0309" Epoch of Position: 2000.0</td> <td>V=7.02</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (107) | HD-89307 | RA: 10 18 21.2879 (154.5886996d) Dec: +12 37 15.98 (12.62111d) Equinox: J2000 | Proper Motion RA: -272.29 mas/yr Proper Motion Dec: -39.91 mas/yr Parallax: 0.0309" Epoch of Position: 2000.0 | V=7.02 | Reference Frame: ICRS |
|---|---|---|--|--------------------------|--------------------------|---------------|---------------|-------|----------|---|--|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (107) | HD-89307 | RA: 10 18 21.2879 (154.5886996d) Dec: +12 37 15.98 (12.62111d) Equinox: J2000 | Proper Motion RA: -272.29 mas/yr Proper Motion Dec: -39.91 mas/yr Parallax: 0.0309" Epoch of Position: 2000.0 | V=7.02 | Reference Frame: ICRS | | | | | | | | |
| Comments: Original Simbad coords predicted that we would miss the target. Coords and PMs from Tycho were also tried without improved agreement. Have returned to Hipparchos coords. KF & NA - 06/30/16 Extended=NO | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|--------------------------------------|----------------------------|------------------------|-------------------------|---------------|--------------|-----------------------------------|--------|---------------------------------|------------------------------|
| | 1 | ACQ (COS.ta.916 377) | (107) HD-89307 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | | 140 Secs (140 Secs) [==>] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (107) HD-89307 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | 0; | 0; | FP-POS=3; LIFETIME-POS=L P3 | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.ta.916 371) | (107) HD-89307 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | 0; | 0; | FP-POS=4; LIFETIME-POS=L P3 | | 990 Secs (990 Secs) [==>] | [1] |

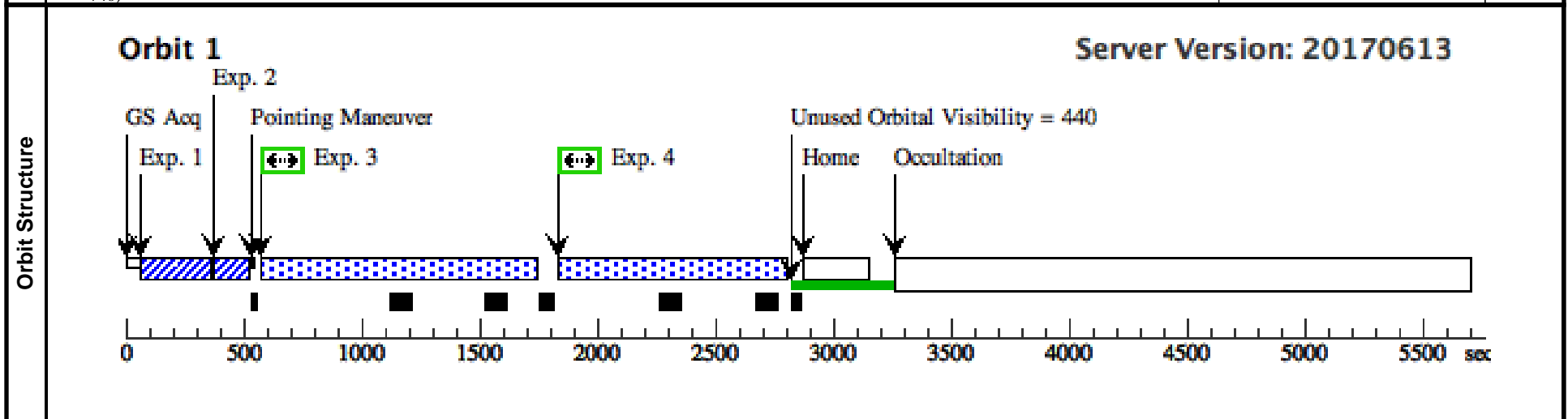


| | |
|--------------|---|
| Visit | Proposal 14633, Visit 34, scheduled Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (34.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (34.004)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 34) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (34.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(108)</td> <td>HD-70642</td> <td>RA: 08 21 28.1365 (125.3672354d) Dec: -39 42 19.48 (-39.70541d) Equinox: J2000</td> <td>Proper Motion RA: -201.65 mas/yr Proper Motion Dec: 225.18 mas/yr Parallax: 0.03563" Epoch of Position: 2000.0</td> <td>V=7.17</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (108) | HD-70642 | RA: 08 21 28.1365 (125.3672354d) Dec: -39 42 19.48 (-39.70541d) Equinox: J2000 | Proper Motion RA: -201.65 mas/yr Proper Motion Dec: 225.18 mas/yr Parallax: 0.03563" Epoch of Position: 2000.0 | V=7.17 | Reference Frame: ICRS |
|------------------------------|---|--|---|--------------------------|--------------------------|---------------|---------------|-------|----------|--|---|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (108) | HD-70642 | RA: 08 21 28.1365 (125.3672354d) Dec: -39 42 19.48 (-39.70541d) Equinox: J2000 | Proper Motion RA: -201.65 mas/yr Proper Motion Dec: 225.18 mas/yr Parallax: 0.03563" Epoch of Position: 2000.0 | V=7.17 | Reference Frame: ICRS | | | | | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|------------------|---|--------------------------------------|----------------|--------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|--------------------------------|-----|
| | 1 | ACQ-XD (COS.ta.820 745) | (108) HD-70642 | COS/NUV, ACQ/PEAKXD, PSA | G230L 2635 A | | | | | 1 Secs (1 Secs) [==>] | [1] |
| | 2 | ACQ-D (COS.sa.916 745) | (108) HD-70642 | COS/NUV, ACQ/PEAKD, PSA | G230L 2635 A | NUM-POS=5; STEP-SIZE=0.9 | | | | 1 Secs (1 Secs) [==>] | [1] |
| | 3 | G130M_FP 1 (COS.sp.820 740) | (108) HD-70642 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 4 | G130M_FP 2 (COS.sp.820 740) | (108) HD-70642 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 35 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:36 GMT 2017

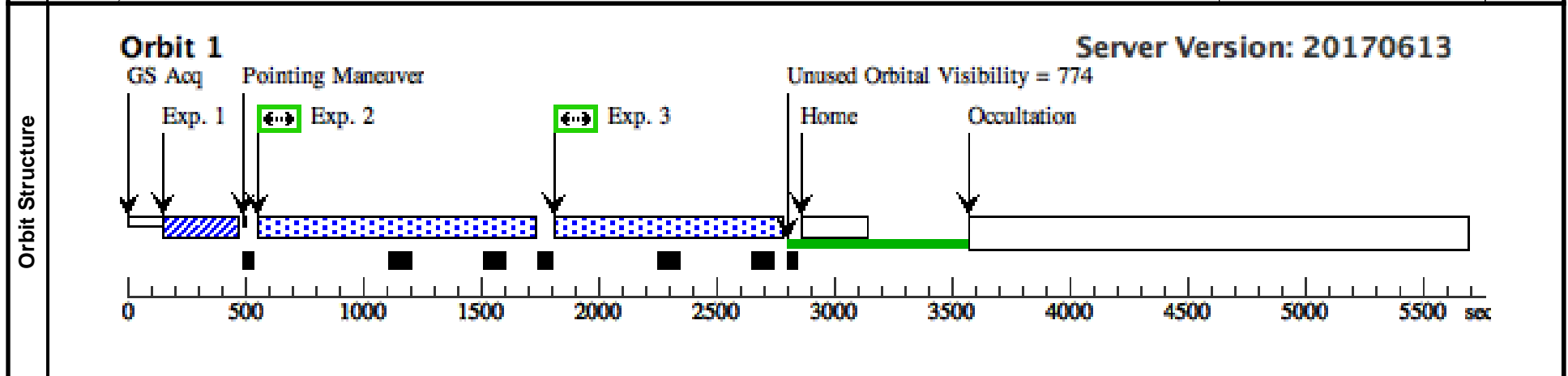
| Visit | Proposal 14633, Visit 35, completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: ORIENT 280D TO 170 D | | | | | | | | | | | | | | | | | |
|------------------------|---|--|--|--------------------------|-----------------------|----------------------------------|---------------|--------|---------------------------------|--------------------------|--------|---------------|-------|-----------|--|--|--------|-----------------------|
| | (G130M_FP1 (35.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. (G130M_FP2 (35.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. (Visit 35) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. (G130M_FP1 (35.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. (G130M_FP2 (35.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. | | | | | | | | | | | | | | | | | |
| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(109)</td> <td>HD-117618</td> <td>RA: 13 32 25.5554 (203.1064808d) Dec: -47 16 16.91 (-47.27136d) Equinox: J2000</td> <td>Proper Motion RA: 24.87 mas/yr Proper Motion Dec: -125.01 mas/yr Parallax: 0.02634" Epoch of Position: 2000.0</td> <td>V=7.17</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> Comments: Extended=NO | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (109) | HD-117618 | RA: 13 32 25.5554 (203.1064808d) Dec: -47 16 16.91 (-47.27136d) Equinox: J2000 | Proper Motion RA: 24.87 mas/yr Proper Motion Dec: -125.01 mas/yr Parallax: 0.02634" Epoch of Position: 2000.0 | V=7.17 | Reference Frame: ICRS |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | |
| (109) | HD-117618 | RA: 13 32 25.5554 (203.1064808d) Dec: -47 16 16.91 (-47.27136d) Equinox: J2000 | Proper Motion RA: 24.87 mas/yr Proper Motion Dec: -125.01 mas/yr Parallax: 0.02634" Epoch of Position: 2000.0 | V=7.17 | Reference Frame: ICRS | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | |
| | 1 | ACQ (COS.ta.820 745) | (109) HD-117618 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 200 Secs (200 Secs) [==>] | [1] | | | | | | | | |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (109) HD-117618 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1100 Secs (1100 Secs) [==>] | [1] | | | | | | | | |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (109) HD-117618 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] | | | | | | | | |
| Orbit Structure | <div style="text-align: right;">Server Version: 20170613</div> <p>Orbit 1</p> <p>Unused Orbital Visibility = 111</p> <p>GS Acq</p> <p>Exp. 1</p> <p>Pointing Maneuver</p> <p>Exp. 2</p> <p>Exp. 3</p> <p>Home Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p> | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

| | |
|--------------|--|
| Visit | Proposal 14633, Visit 36, completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (36.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. (G130M_FP2 (36.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. (Visit 36) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. (G130M_FP1 (36.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. (G130M_FP2 (36.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(110)</td> <td>HD-7924</td> <td>RA: 01 21 59.1149 (20.4963121d) Dec: +76 42 37.03 (76.71029d) Equinox: J2000</td> <td>Proper Motion RA: -34.23 mas/yr Proper Motion Dec: -33.28 mas/yr Parallax: 0.05949" Epoch of Position: 2000.0</td> <td>V=7.185</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (110) | HD-7924 | RA: 01 21 59.1149 (20.4963121d) Dec: +76 42 37.03 (76.71029d) Equinox: J2000 | Proper Motion RA: -34.23 mas/yr Proper Motion Dec: -33.28 mas/yr Parallax: 0.05949" Epoch of Position: 2000.0 | V=7.185 | Reference Frame: ICRS |
|----------------------|--|--|--|--------------------|--------------------------|--------|---------------|-------|---------|--|--|---------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (110) | HD-7924 | RA: 01 21 59.1149 (20.4963121d) Dec: +76 42 37.03 (76.71029d) Equinox: J2000 | Proper Motion RA: -34.23 mas/yr Proper Motion Dec: -33.28 mas/yr Parallax: 0.05949" Epoch of Position: 2000.0 | V=7.185 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|---------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (110) HD-7924 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 45 Secs (45 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (110) HD-7924 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (110) HD-7924 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 37 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

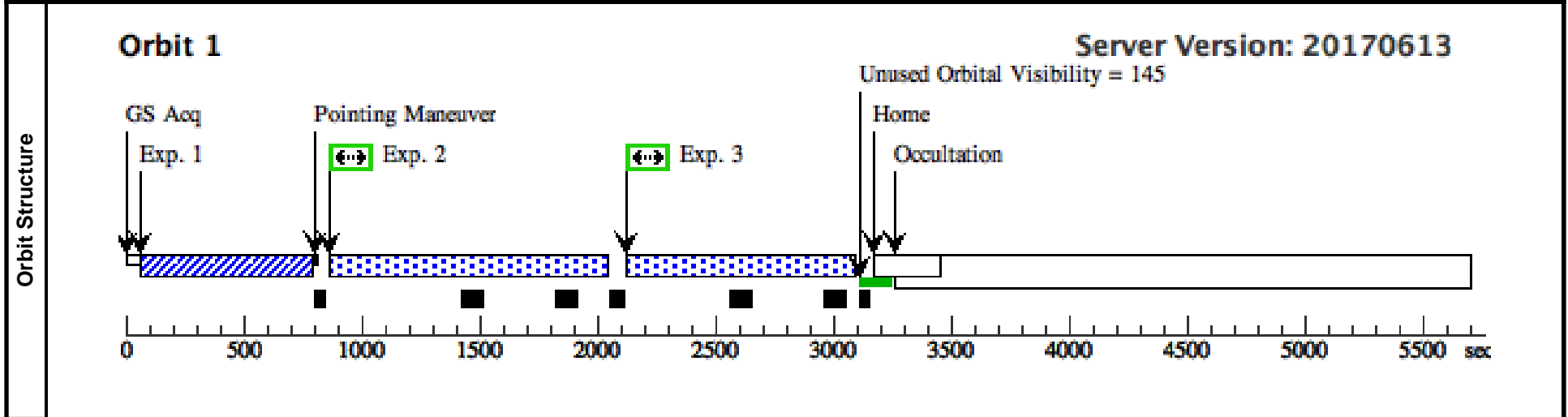
Thu Sep 21 19:01:36 GMT 2017

| | |
|--------------|--|
| Visit | <p>Proposal 14633, Visit 37, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (37.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (37.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 37) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (37.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(111)</td> <td>HD-187085</td> <td>RA: 19 49 33.9660 (297.3915250d) Dec: -37 46 49.97 (-37.78055d) Equinox: J2000</td> <td>Proper Motion RA: 7.6 mas/yr Proper Motion Dec: -103.39 mas/yr Parallax: 0.02271" Epoch of Position: 2000.0</td> <td>V=7.22</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (111) | HD-187085 | RA: 19 49 33.9660 (297.3915250d) Dec: -37 46 49.97 (-37.78055d) Equinox: J2000 | Proper Motion RA: 7.6 mas/yr Proper Motion Dec: -103.39 mas/yr Parallax: 0.02271" Epoch of Position: 2000.0 | V=7.22 | Reference Frame: ICRS |
|----------------------|---|--|--|--------------------------|--------------------------|---------------|---------------|-------|-----------|--|--|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (111) | HD-187085 | RA: 19 49 33.9660 (297.3915250d) Dec: -37 46 49.97 (-37.78055d) Equinox: J2000 | Proper Motion RA: 7.6 mas/yr Proper Motion Dec: -103.39 mas/yr Parallax: 0.02271" Epoch of Position: 2000.0 | V=7.22 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.916 416) | (111) HD-187085 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 200 Secs (200 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (111) HD-187085 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (111) HD-187085 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |

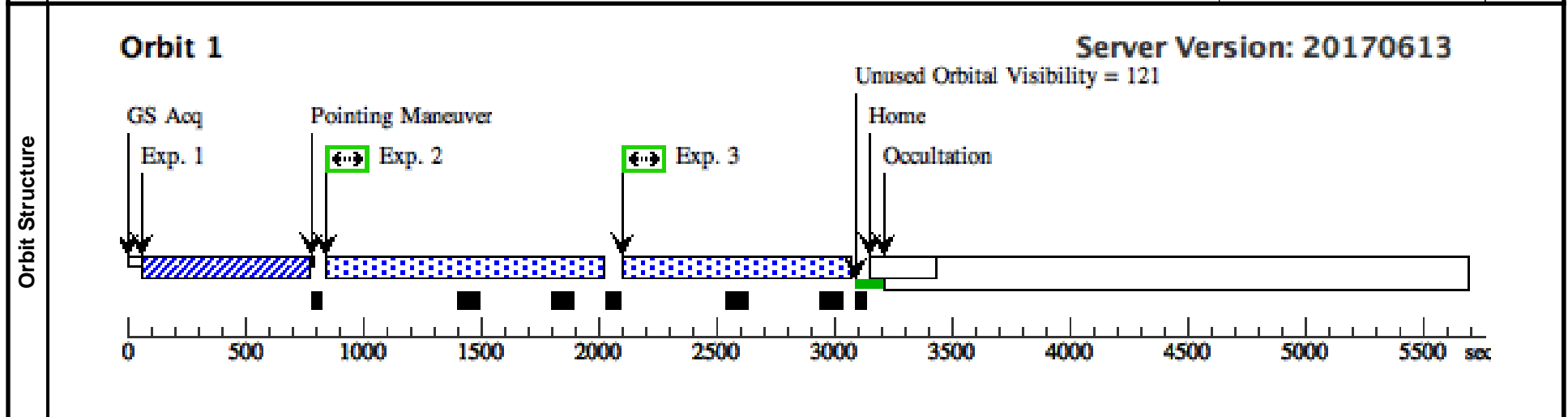


| | |
|--------------|--|
| Visit | Proposal 14633, Visit 38, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (Visit 38) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(112)</td> <td>HD-141937</td> <td>RA: 15 52 17.5471 (238.0731129d) Dec: -18 26 9.84 (-18.43607d) Equinox: J2000</td> <td>Proper Motion RA: 96.83 mas/yr Proper Motion Dec: 22.97 mas/yr Parallax: 0.03096" Epoch of Position: 2000.0</td> <td>V=7.25</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (112) | HD-141937 | RA: 15 52 17.5471 (238.0731129d) Dec: -18 26 9.84 (-18.43607d) Equinox: J2000 | Proper Motion RA: 96.83 mas/yr Proper Motion Dec: 22.97 mas/yr Parallax: 0.03096" Epoch of Position: 2000.0 | V=7.25 | Reference Frame: ICRS |
|------------------------------|--|---|--|--------------------------|--------------------------|---------------|---------------|-------|-----------|---|--|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (112) | HD-141937 | RA: 15 52 17.5471 (238.0731129d) Dec: -18 26 9.84 (-18.43607d) Equinox: J2000 | Proper Motion RA: 96.83 mas/yr Proper Motion Dec: 22.97 mas/yr Parallax: 0.03096" Epoch of Position: 2000.0 | V=7.25 | Reference Frame: ICRS | | | | | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|-----------------------------|----------------------|------------------------|-------------------------|---|--------------|---------------|--------|---------------------------------|------------------------------|
| | 1 | ACQ (COS.ta.916 424) | (112) HD-141937 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | | 190 Secs (190 Secs) [==>] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (112) HD-141937 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (112) HD-141937 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | | 920 Secs (920 Secs) [==>] | [1] |



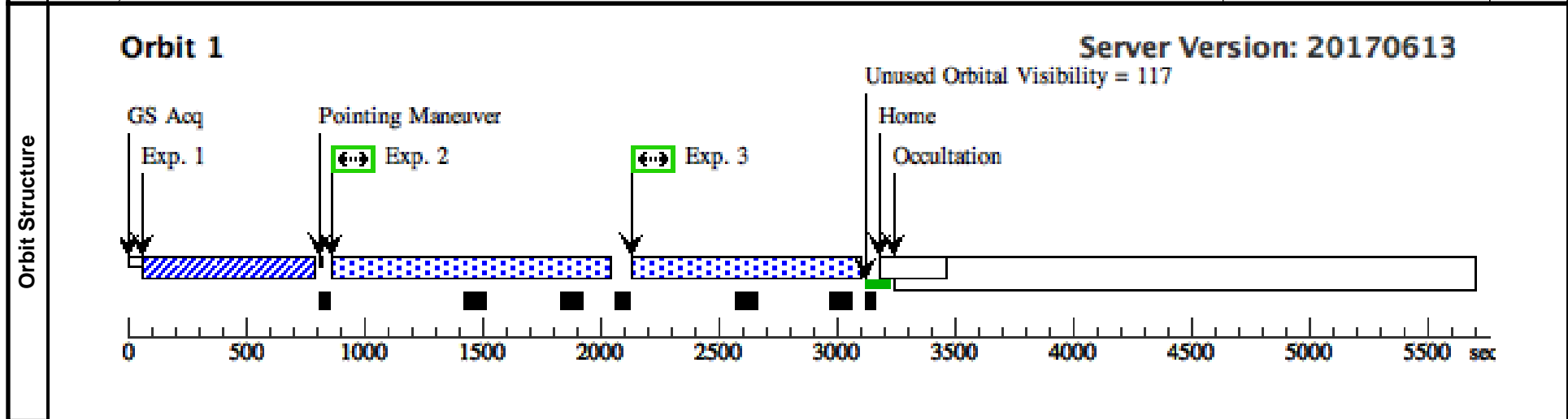
| | | | | | | | | | | |
|------------------------------|--|-----------------------------|--|---|-----------------|---|---------------|--------|---------------------------------|-------|
| Visit | Proposal 14633, Visit 39, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 39) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (113) | HD-117207 | RA: 13 29 21.1139 (202.3379746d) Dec: -35 34 15.59 (-35.57100d) Equinox: J2000 | Proper Motion RA: -204.79 mas/yr Proper Motion Dec: -72.19 mas/yr Parallax: 0.03026" Epoch of Position: 2000.0 | V=7.26 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ (COS.ta.820 745) | (113) HD-117207 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (113) HD-117207 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (113) HD-117207 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| Orbit Structure | <p>Orbit 1 Server Version: 20170613</p> <p>GS Acq Pointing Maneuver Unused Orbital Visibility = 485</p> <p>The diagram shows a timeline from 0 to 5500 seconds. Key events include: GS Acq at ~100s; Exp. 1 (blue hatched) from ~200-400s; Pointing Maneuver at ~450s; Exp. 2 (green dotted) from ~500-1700s; Pointing Maneuver at ~1750s; Exp. 3 (green dotted) from ~1800-2700s; Pointing Maneuver at ~2750s; Home at ~2800s; Occultation (green bar) from ~2800-3200s; and a final segment from ~3200-5500s. A green bar above the timeline from 2800 to 3200s is labeled 'Unused Orbital Visibility = 485'.</p> | | | | | | | | | |
| | <p>Exp. 1 Exp. 2 Exp. 3 Home Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p> | | | | | | | | | |

| | |
|--------------|--|
| Visit | <p>Proposal 14633, Visit 40, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: ORIENT 90D TO 300 D</p> |
|--------------|--|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (40.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (40.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 40) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (40.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (40.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(114)</td> <td>HD-155358</td> <td>RA: 17 09 34.6175 (257.3942396d) Dec: +33 21 21.09 (33.35586d) Equinox: J2000</td> <td>Proper Motion RA: -222.45 mas/yr Proper Motion Dec: -215.97 mas/yr Parallax: 0.02267" Epoch of Position: 2000.0</td> <td>V=7.28</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (114) | HD-155358 | RA: 17 09 34.6175 (257.3942396d) Dec: +33 21 21.09 (33.35586d) Equinox: J2000 | Proper Motion RA: -222.45 mas/yr Proper Motion Dec: -215.97 mas/yr Parallax: 0.02267" Epoch of Position: 2000.0 | V=7.28 | Reference Frame: ICRS |
|----------------------|--|---|--|--------------------|--------------------------|--------|---------------|-------|-----------|---|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (114) | HD-155358 | RA: 17 09 34.6175 (257.3942396d) Dec: +33 21 21.09 (33.35586d) Equinox: J2000 | Proper Motion RA: -222.45 mas/yr Proper Motion Dec: -215.97 mas/yr Parallax: 0.02267" Epoch of Position: 2000.0 | V=7.28 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (114) HD-155358 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 204 Secs (204 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (114) HD-155358 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (114) HD-155358 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 41 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:37 GMT 2017

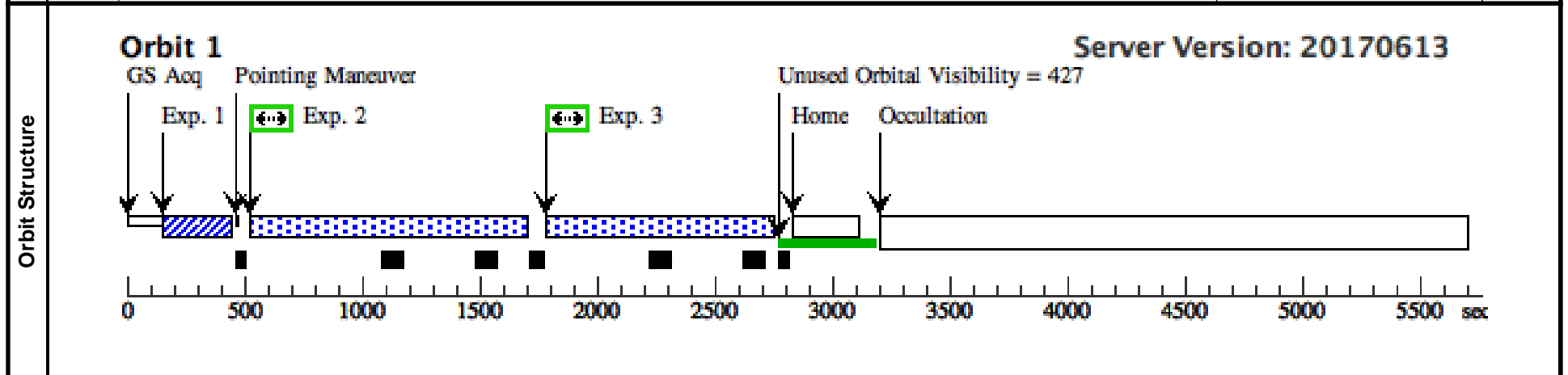
| | |
|--------------|---|
| Visit | Proposal 14633, Visit 41, completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (41.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (41.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 41) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (41.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous |
|----------------------|-------|----------|--|--|--------|-----------------------|
| | (115) | HD-92788 | RA: 10 42 48.5278 (160.7021992d) Dec: -02 11 1.52 (-2.18376d) Equinox: J2000 | Proper Motion RA: -14.19 mas/yr Proper Motion Dec: -222.69 mas/yr Parallax: 0.0282" Epoch of Position: 2000.0 | V=7.31 | Reference Frame: ICRS |

Comments: Extended=NO

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|------------------|---|-----------------------------|----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|----------------------------|-----|
| | 1 | ACQ (COS.ta.820 745) | (115) HD-92788 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (115) HD-92788 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (115) HD-92788 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] | |

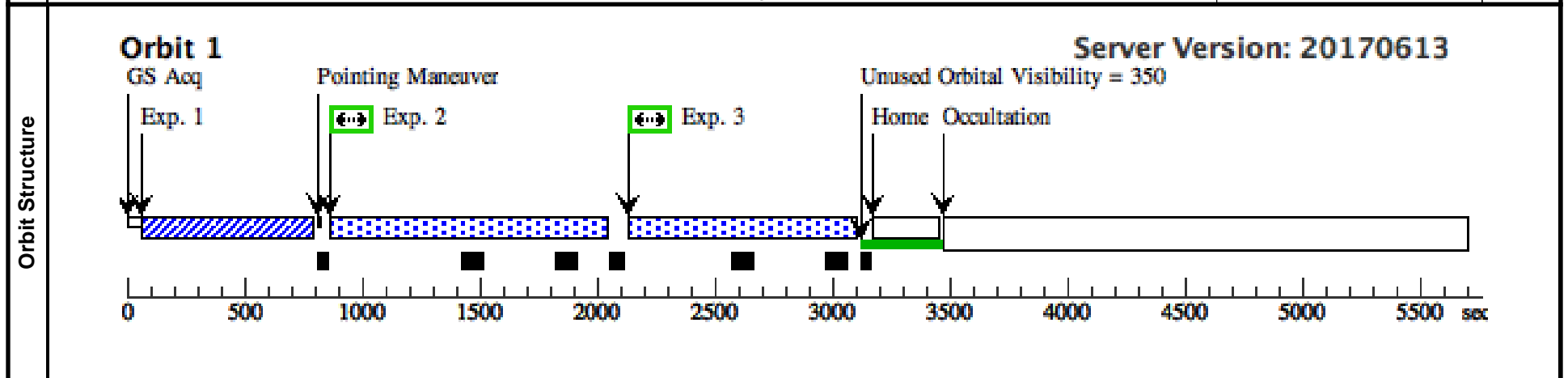


| | |
|--------------|---|
| Visit | Proposal 14633, Visit 42, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: ORIENT 150D TO 300 D |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (Visit 42) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(116)</td> <td>HD-142415</td> <td>RA: 15 57 40.7913 (239.4199637d) Dec: -60 12 0.93 (-60.20026d) Equinox: J2000</td> <td>Proper Motion RA: -113.56 mas/yr Proper Motion Dec: -102.54 mas/yr Parallax: 0.02921" Epoch of Position: 2000.0</td> <td>V=7.33</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (116) | HD-142415 | RA: 15 57 40.7913 (239.4199637d) Dec: -60 12 0.93 (-60.20026d) Equinox: J2000 | Proper Motion RA: -113.56 mas/yr Proper Motion Dec: -102.54 mas/yr Parallax: 0.02921" Epoch of Position: 2000.0 | V=7.33 | Reference Frame: ICRS |
|----------------------|--|---|--|--------------------|--------------------------|--------|---------------|-------|-----------|---|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (116) | HD-142415 | RA: 15 57 40.7913 (239.4199637d) Dec: -60 12 0.93 (-60.20026d) Equinox: J2000 | Proper Motion RA: -113.56 mas/yr Proper Motion Dec: -102.54 mas/yr Parallax: 0.02921" Epoch of Position: 2000.0 | V=7.33 | Reference Frame: ICRS | | | | | | | | |

| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|-----------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.820 745) | (116) HD-142415 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 203 Secs (203 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (116) HD-142415 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (116) HD-142415 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 43 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

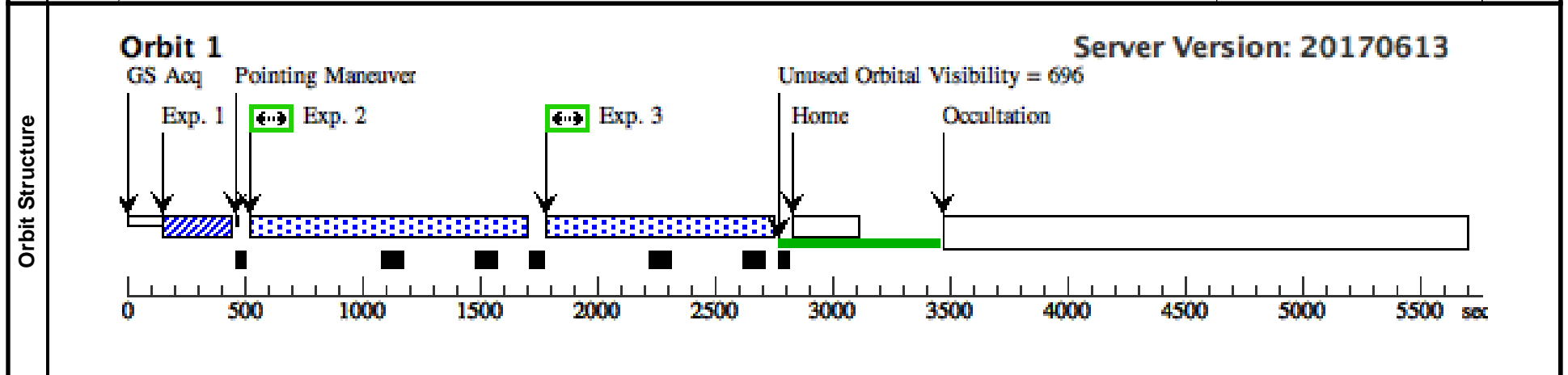
Thu Sep 21 19:01:37 GMT 2017

| | |
|--------------|---|
| Visit | Proposal 14633, Visit 43, completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (43.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (43.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 43) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (43.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(117)</td> <td>HD-10180</td> <td>RA: 01 37 53.5767 (24.4732362d) Dec: -60 30 41.50 (-60.51153d) Equinox: J2000</td> <td>Proper Motion RA: -14.6 mas/yr Proper Motion Dec: 6.51 mas/yr Parallax: 0.02563" Epoch of Position: 2000.0</td> <td>V=7.33</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (117) | HD-10180 | RA: 01 37 53.5767 (24.4732362d) Dec: -60 30 41.50 (-60.51153d) Equinox: J2000 | Proper Motion RA: -14.6 mas/yr Proper Motion Dec: 6.51 mas/yr Parallax: 0.02563" Epoch of Position: 2000.0 | V=7.33 | Reference Frame: ICRS |
|------------------------------|--|---|---|--------------------------|--------------------------|---------------|---------------|-------|----------|---|---|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (117) | HD-10180 | RA: 01 37 53.5767 (24.4732362d) Dec: -60 30 41.50 (-60.51153d) Equinox: J2000 | Proper Motion RA: -14.6 mas/yr Proper Motion Dec: 6.51 mas/yr Parallax: 0.02563" Epoch of Position: 2000.0 | V=7.33 | Reference Frame: ICRS | | | | | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (117) HD-10180 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (117) HD-10180 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (117) HD-10180 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |

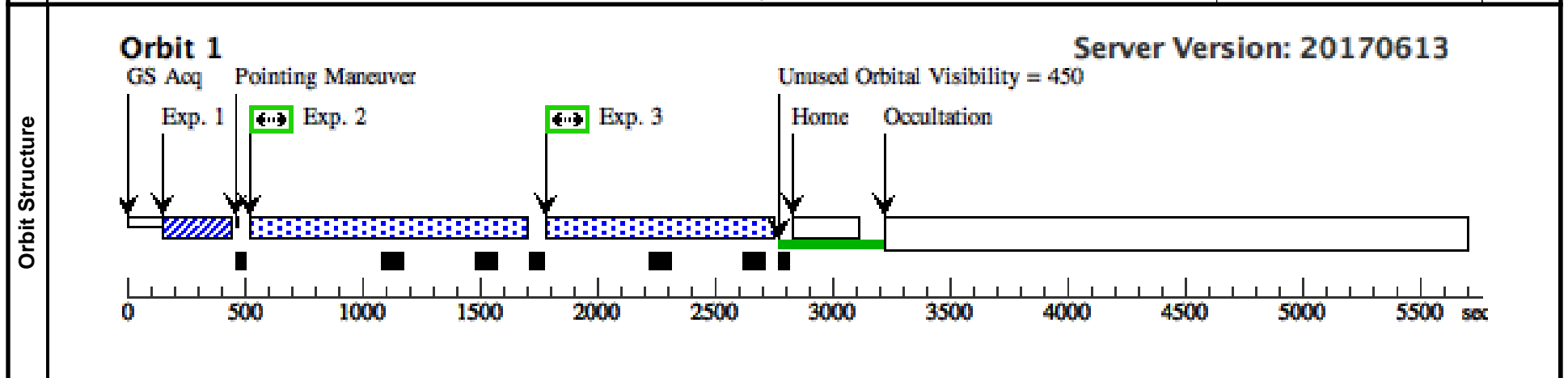


| | |
|--------------|---|
| Visit | Proposal 14633, Visit 44, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (Visit 44) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(118)</td> <td>HD-20782</td> <td>RA: 03 20 3.5779 (50.0149079d) Dec: -28 51 14.67 (-28.85408d) Equinox: J2000</td> <td>Proper Motion RA: 349.33 mas/yr Proper Motion Dec: -65.92 mas/yr Parallax: 0.02815" Epoch of Position: 2000.0</td> <td>V=7.36</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (118) | HD-20782 | RA: 03 20 3.5779 (50.0149079d) Dec: -28 51 14.67 (-28.85408d) Equinox: J2000 | Proper Motion RA: 349.33 mas/yr Proper Motion Dec: -65.92 mas/yr Parallax: 0.02815" Epoch of Position: 2000.0 | V=7.36 | Reference Frame: ICRS |
|----------------------|--|--|--|--------------------|--------------------------|--------|---------------|-------|----------|--|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (118) | HD-20782 | RA: 03 20 3.5779 (50.0149079d) Dec: -28 51 14.67 (-28.85408d) Equinox: J2000 | Proper Motion RA: 349.33 mas/yr Proper Motion Dec: -65.92 mas/yr Parallax: 0.02815" Epoch of Position: 2000.0 | V=7.36 | Reference Frame: ICRS | | | | | | | | |

| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|----------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.820 745) | (118) HD-20782 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (118) HD-20782 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (118) HD-20782 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |

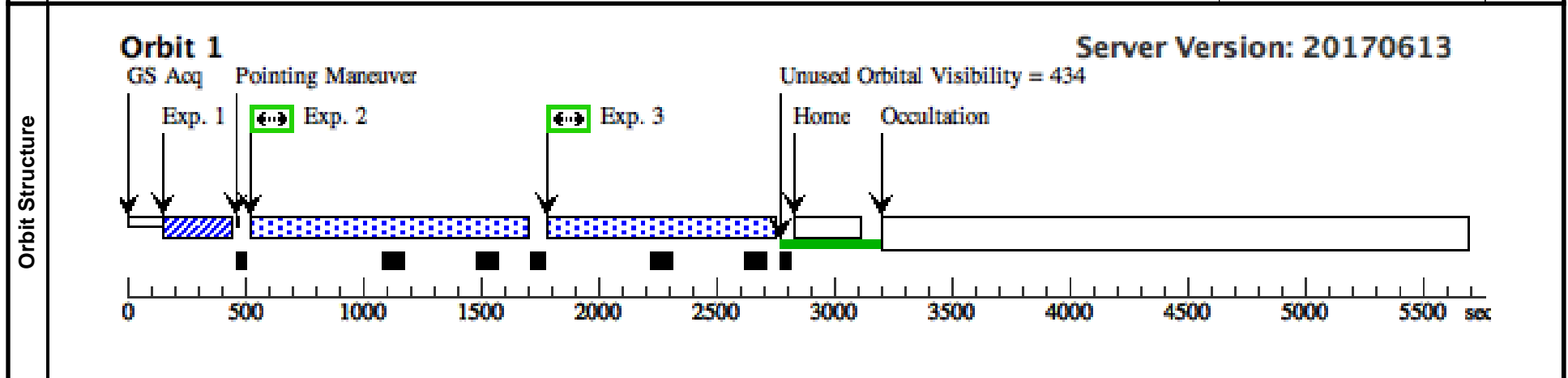


| | |
|--------------|---|
| Visit | Proposal 14633, Visit 45, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (Visit 45) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(119)</td> <td>HD-106252</td> <td>RA: 12 13 29.5094 (183.3729558d) Dec: +10 02 29.90 (10.04164d) Equinox: J2000</td> <td>Proper Motion RA: 23.76 mas/yr Proper Motion Dec: -279.5 mas/yr Parallax: 0.02652" Epoch of Position: 2000.0</td> <td>V=7.41</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (119) | HD-106252 | RA: 12 13 29.5094 (183.3729558d) Dec: +10 02 29.90 (10.04164d) Equinox: J2000 | Proper Motion RA: 23.76 mas/yr Proper Motion Dec: -279.5 mas/yr Parallax: 0.02652" Epoch of Position: 2000.0 | V=7.41 | Reference Frame: ICRS |
|----------------------|---|---|---|--------------------|--------------------------|--------|---------------|-------|-----------|---|---|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (119) | HD-106252 | RA: 12 13 29.5094 (183.3729558d) Dec: +10 02 29.90 (10.04164d) Equinox: J2000 | Proper Motion RA: 23.76 mas/yr Proper Motion Dec: -279.5 mas/yr Parallax: 0.02652" Epoch of Position: 2000.0 | V=7.41 | Reference Frame: ICRS | | | | | | | | |

| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|-----------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.820 745) | (119) HD-106252 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (119) HD-106252 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (119) HD-106252 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |

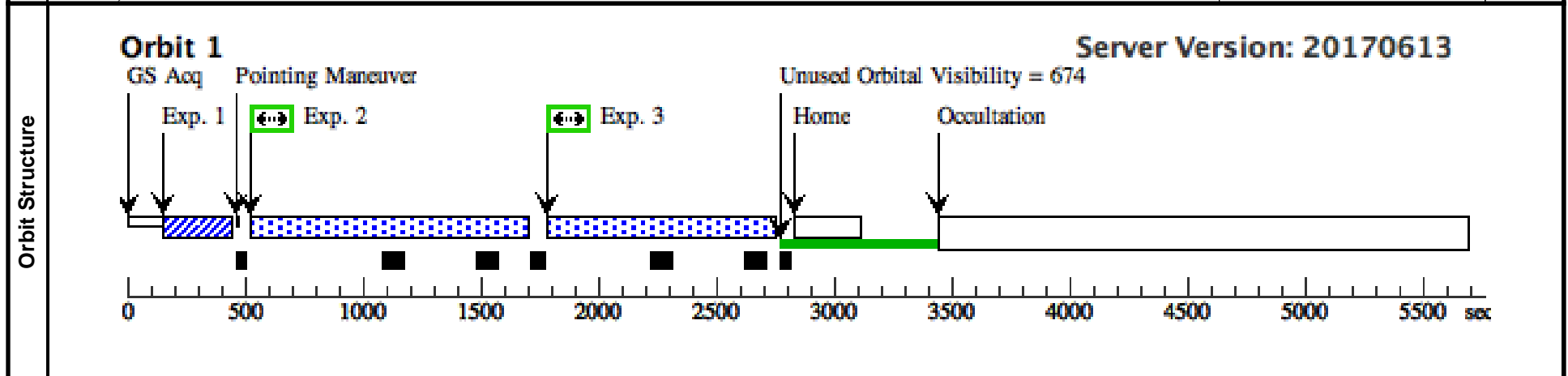


| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 46, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (46.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (46.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 46) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (46.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (46.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(120)</td> <td>HD-102117</td> <td>RA: 11 44 50.4607 (176.2102529d) Dec: -58 42 13.36 (-58.70371d) Equinox: J2000</td> <td>Proper Motion RA: -63.74 mas/yr Proper Motion Dec: -70.76 mas/yr Parallax: 0.02519" Epoch of Position: 2000.0</td> <td>V=7.47</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (120) | HD-102117 | RA: 11 44 50.4607 (176.2102529d) Dec: -58 42 13.36 (-58.70371d) Equinox: J2000 | Proper Motion RA: -63.74 mas/yr Proper Motion Dec: -70.76 mas/yr Parallax: 0.02519" Epoch of Position: 2000.0 | V=7.47 | Reference Frame: ICRS |
|----------------------|---|--|--|--------------------|--------------------------|--------|---------------|-------|-----------|--|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (120) | HD-102117 | RA: 11 44 50.4607 (176.2102529d) Dec: -58 42 13.36 (-58.70371d) Equinox: J2000 | Proper Motion RA: -63.74 mas/yr Proper Motion Dec: -70.76 mas/yr Parallax: 0.02519" Epoch of Position: 2000.0 | V=7.47 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (120) HD-102117 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (120) HD-102117 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (120) HD-102117 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 47 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:37 GMT 2017

| | | | | | | | | | | |
|------------------------------|---|-----------------------------|--|---|-----------------|---|---------------|--------|---------------------------------|-------|
| Visit | Proposal 14633, Visit 47, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 47) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (121) | HD-208487 | RA: 21 57 19.8471 (329.3326962d) Dec: -37 45 49.04 (-37.76362d) Equinox: J2000 | Proper Motion RA: 100.51 mas/yr Proper Motion Dec: -118.53 mas/yr Parallax: 0.02181" Epoch of Position: 2000.0 | V=7.47 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ (COS.ta.820 745) | (121) HD-208487 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (121) HD-208487 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (121) HD-208487 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| Orbit Structure | <p>Orbit 1 Server Version: 20170613</p> <p>GS Acq Pointing Maneuver Unused Orbital Visibility = 485</p> <p>Exp. 1 Exp. 2 Exp. 3 Home Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p> | | | | | | | | | |

Proposal 14633 - Visit 48 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

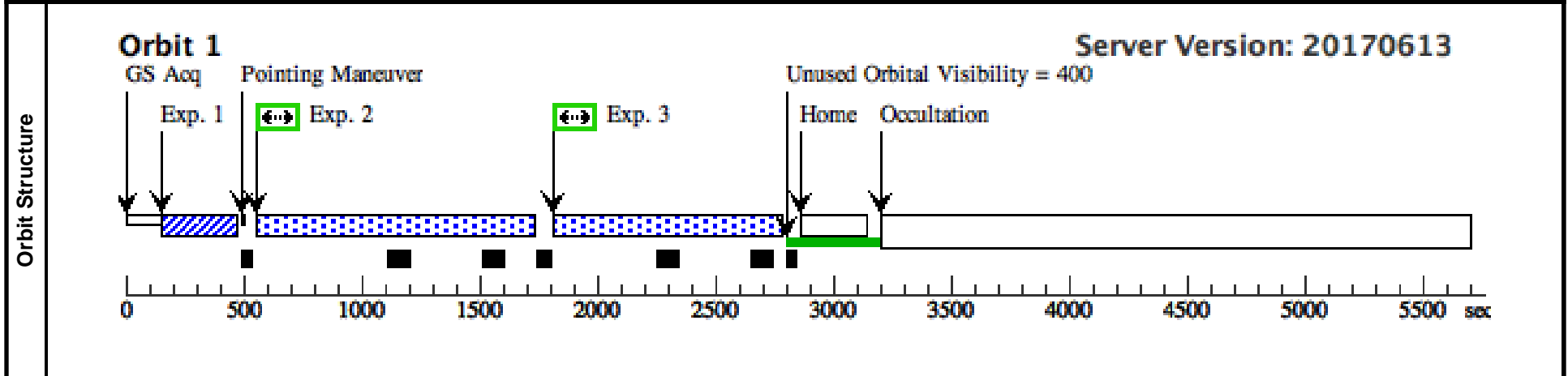
Thu Sep 21 19:01:37 GMT 2017

| | |
|--------------|--|
| Visit | <p>Proposal 14633, Visit 48, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (48.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (48.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 48) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (48.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(122)</td> <td>HD-128311</td> <td>RA: 14 36 0.5603 (219.0023346d) Dec: +09 44 47.46 (9.74652d) Equinox: J2000</td> <td>Proper Motion RA: 204.74 mas/yr Proper Motion Dec: -249.98 mas/yr Parallax: 0.0606" Epoch of Position: 2000.0</td> <td>V=7.48</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (122) | HD-128311 | RA: 14 36 0.5603 (219.0023346d) Dec: +09 44 47.46 (9.74652d) Equinox: J2000 | Proper Motion RA: 204.74 mas/yr Proper Motion Dec: -249.98 mas/yr Parallax: 0.0606" Epoch of Position: 2000.0 | V=7.48 | Reference Frame: ICRS |
|----------------------|--|---|--|--------------------------|--------------------------|---------------|---------------|-------|-----------|---|--|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (122) | HD-128311 | RA: 14 36 0.5603 (219.0023346d) Dec: +09 44 47.46 (9.74652d) Equinox: J2000 | Proper Motion RA: 204.74 mas/yr Proper Motion Dec: -249.98 mas/yr Parallax: 0.0606" Epoch of Position: 2000.0 | V=7.48 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (122) HD-128311 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 45 Secs (45 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (122) HD-128311 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (122) HD-128311 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |

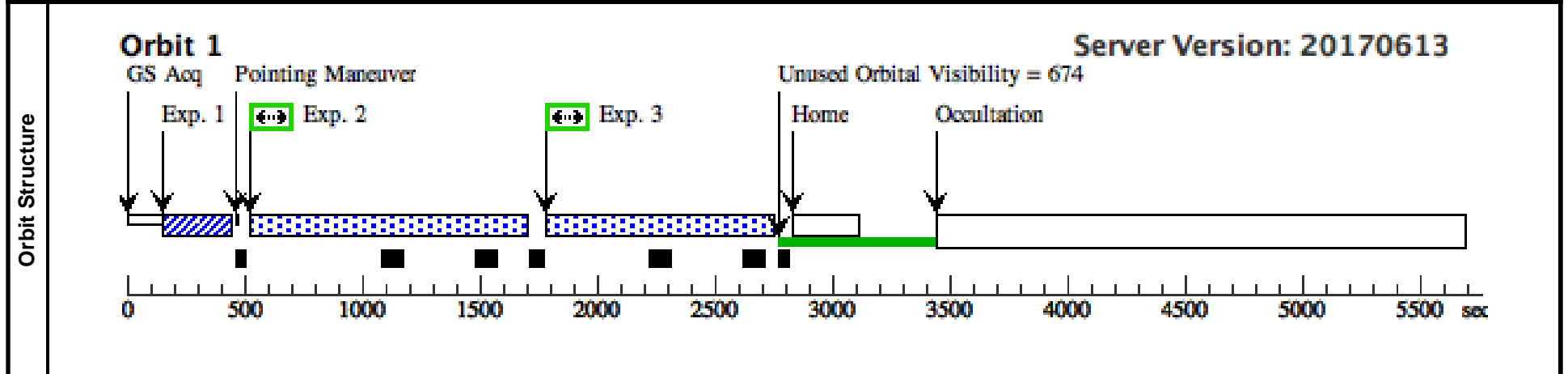


| | |
|--------------|---|
| Visit | Proposal 14633, Visit 49, scheduled Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (49.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (49.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 49) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (49.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(123)</td> <td>HD-121504</td> <td>RA: 13 57 17.2387 (209.3218279d) Dec: -56 02 24.16 (-56.04004d) Equinox: J2000</td> <td>Proper Motion RA: -249.48 mas/yr Proper Motion Dec: -84.35 mas/yr Parallax: 0.02217" Epoch of Position: 2000.0</td> <td>V=7.54</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (123) | HD-121504 | RA: 13 57 17.2387 (209.3218279d) Dec: -56 02 24.16 (-56.04004d) Equinox: J2000 | Proper Motion RA: -249.48 mas/yr Proper Motion Dec: -84.35 mas/yr Parallax: 0.02217" Epoch of Position: 2000.0 | V=7.54 | Reference Frame: ICRS |
|------------------------------|--|--|---|--------------------------|--------------------------|---------------|---------------|-------|-----------|--|---|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (123) | HD-121504 | RA: 13 57 17.2387 (209.3218279d) Dec: -56 02 24.16 (-56.04004d) Equinox: J2000 | Proper Motion RA: -249.48 mas/yr Proper Motion Dec: -84.35 mas/yr Parallax: 0.02217" Epoch of Position: 2000.0 | V=7.54 | Reference Frame: ICRS | | | | | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|----------------------------|-----|
| | 1 | ACQ (COS.ta.820 745) | (123) HD-121504 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (123) HD-121504 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (123) HD-121504 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] | |



Proposal 14633 - Visit 50 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

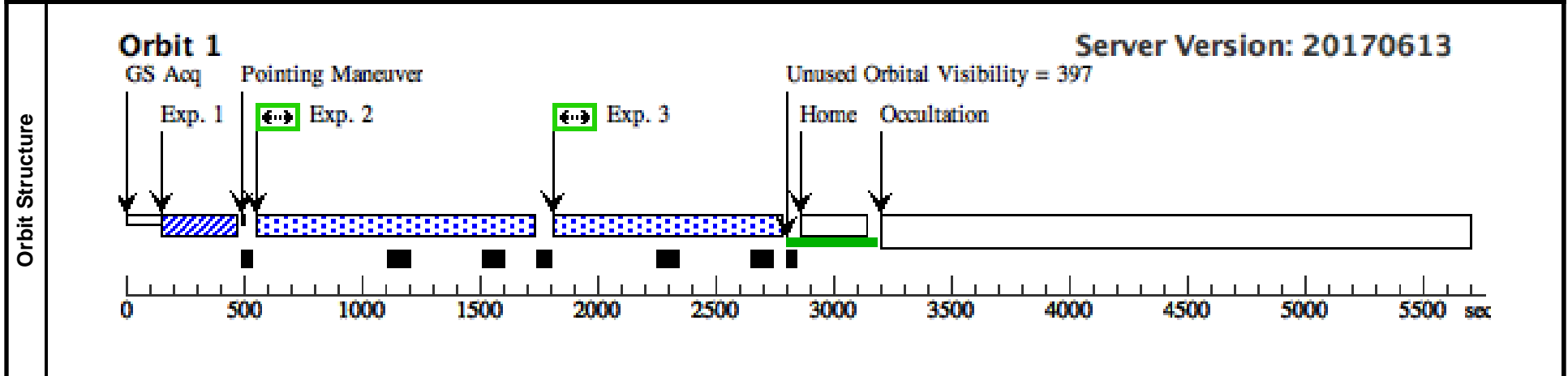
Thu Sep 21 19:01:37 GMT 2017

| | |
|--------------|--|
| Visit | <p>Proposal 14633, Visit 50, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (50.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (50.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 50) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (50.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |
| | (G130M_FP2 (50.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(124)</td> <td>HD-114783</td> <td>RA: 13 12 43.7856 (198.1824400d) Dec: -02 15 54.13 (-2.26504d) Equinox: J2000</td> <td>Proper Motion RA: -138.66 mas/yr Proper Motion Dec: 10.57 mas/yr Parallax: 0.04878" Epoch of Position: 2000.0</td> <td>V=7.56</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (124) | HD-114783 | RA: 13 12 43.7856 (198.1824400d) Dec: -02 15 54.13 (-2.26504d) Equinox: J2000 | Proper Motion RA: -138.66 mas/yr Proper Motion Dec: 10.57 mas/yr Parallax: 0.04878" Epoch of Position: 2000.0 | V=7.56 | Reference Frame: ICRS |
|-------------------------------------|--|---|--|--------------------------|--------------------------|---------------|---------------|-------|-----------|---|--|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (124) | HD-114783 | RA: 13 12 43.7856 (198.1824400d) Dec: -02 15 54.13 (-2.26504d) Equinox: J2000 | Proper Motion RA: -138.66 mas/yr Proper Motion Dec: 10.57 mas/yr Parallax: 0.04878" Epoch of Position: 2000.0 | V=7.56 | Reference Frame: ICRS | | | | | | | | |
| <p><i>Comments: Extended=NO</i></p> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (124) HD-114783 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 45 Secs (45 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (124) HD-114783 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (124) HD-114783 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 51 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:37 GMT 2017

| | | | | | | | | | | |
|------------------------------|---|-----------------------------|---|--|-----------------|---|---------------|--------|---------------------------------|-------|
| Visit | Proposal 14633, Visit 51, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 51) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (125) | HD-87883 | RA: 10 08 43.1398 (152.1797492d) Dec: +34 14 32.13 (34.24226d) Equinox: J2000 | Proper Motion RA: -64.04 mas/yr Proper Motion Dec: -60.51 mas/yr Parallax: 0.05493" Epoch of Position: 2000.0 | V=7.57 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ (COS.ta.916 374) | (125) HD-87883 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 66 Secs (66 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (125) HD-87883 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (125) HD-87883 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| Orbit Structure | <p>Orbit 1 Server Version: 20170613</p> <p>GS Acq Pointing Maneuver Unused Orbital Visibility = 393</p> <p>Exp. 1 Exp. 2 Exp. 3 Home Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p> | | | | | | | | | |

Proposal 14633 - Visit 52 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

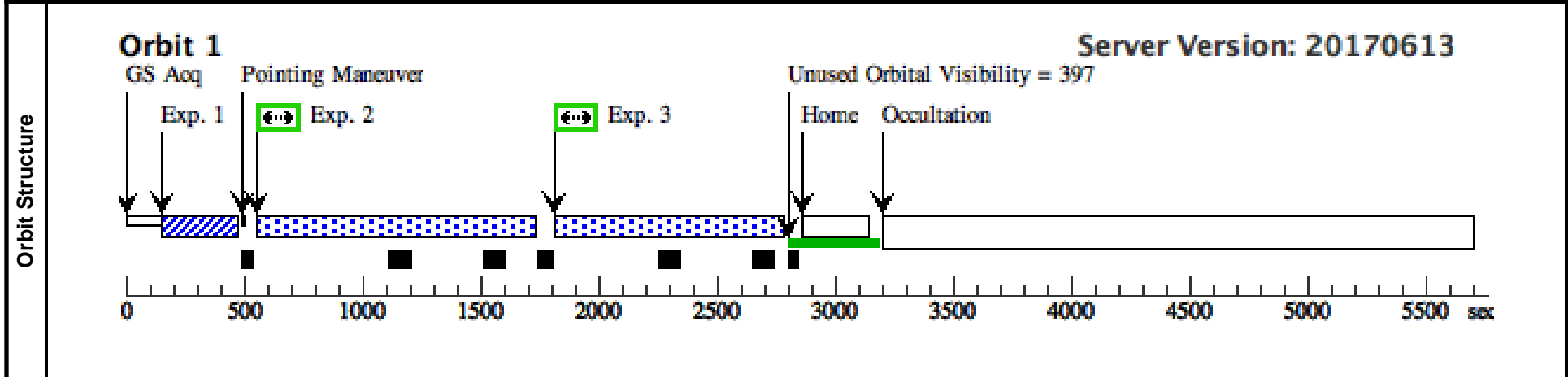
Thu Sep 21 19:01:37 GMT 2017

| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 52, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (52.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (52.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 52) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (52.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (52.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(126)</td> <td>HD-99492</td> <td>RA: 11 26 46.2766 (171.6928192d) Dec: +03 00 22.76 (3.00632d) Equinox: J2000</td> <td>Proper Motion RA: -730.81 mas/yr Proper Motion Dec: 188.97 mas/yr Parallax: 0.05569" Epoch of Position: 2000.0</td> <td>V=7.58</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (126) | HD-99492 | RA: 11 26 46.2766 (171.6928192d) Dec: +03 00 22.76 (3.00632d) Equinox: J2000 | Proper Motion RA: -730.81 mas/yr Proper Motion Dec: 188.97 mas/yr Parallax: 0.05569" Epoch of Position: 2000.0 | V=7.58 | Reference Frame: ICRS |
|----------------------|---|--|---|--------------------|--------------------------|--------|---------------|-------|----------|--|---|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (126) | HD-99492 | RA: 11 26 46.2766 (171.6928192d) Dec: +03 00 22.76 (3.00632d) Equinox: J2000 | Proper Motion RA: -730.81 mas/yr Proper Motion Dec: 188.97 mas/yr Parallax: 0.05569" Epoch of Position: 2000.0 | V=7.58 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (126) HD-99492 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 45 Secs (45 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (126) HD-99492 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (126) HD-99492 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 53 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:37 GMT 2017

| | | | | | | | | | | |
|------------------------------|---|-----------------------------|--|---|-----------------|---|---------------|--------|---------------------------------|-------|
| Visit | Proposal 14633, Visit 53, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 53) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (127) | HD-111232 | RA: 12 48 51.7525 (192.2156354d) Dec: -68 25 30.55 (-68.42515d) Equinox: J2000 | Proper Motion RA: 26.64 mas/yr Proper Motion Dec: 112.35 mas/yr Parallax: 0.03408" Epoch of Position: 2000.0 | V=7.59 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ (COS.ta.820 745) | (127) HD-111232 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 45 Secs (45 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (127) HD-111232 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (127) HD-111232 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| Orbit Structure | <p>Orbit 1 Server Version: 20170613</p> | | | | | | | | | |
| | <p>Timeline labels: GS Acq, Exp. 1, Pointing Maneuver, Exp. 2, Exp. 3, Home, Occultation, Unused Orbital Visibility = 741</p> | | | | | | | | | |

Proposal 14633 - Visit 54 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

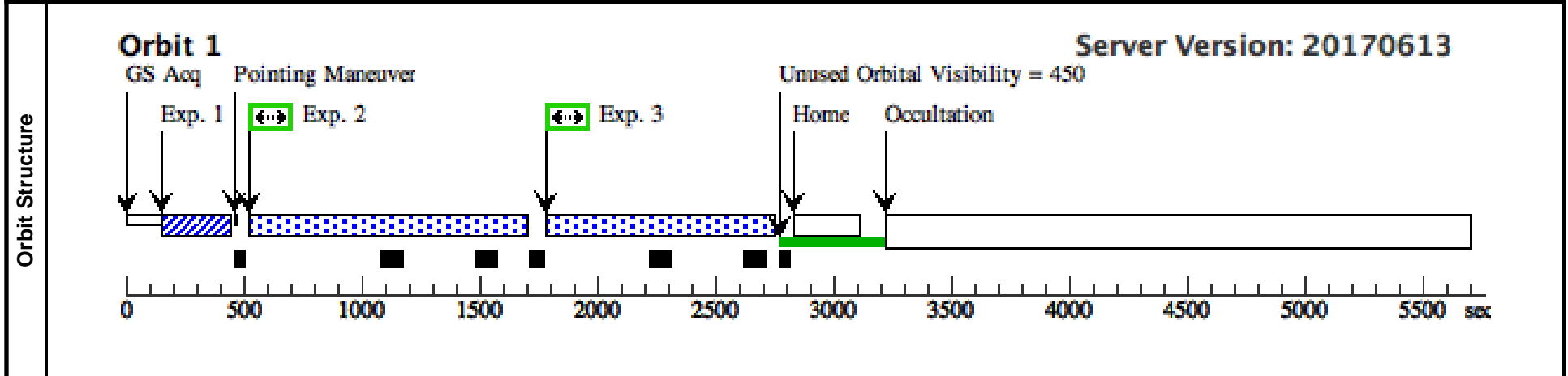
Thu Sep 21 19:01:37 GMT 2017

| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 54, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (54.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (54.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 54) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (54.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (54.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(128)</td> <td>HD-47186</td> <td>RA: 06 36 8.7877 (99.0366154d) Dec: -27 37 20.27 (-27.62230d) Equinox: J2000</td> <td>Proper Motion RA: 21.32 mas/yr Proper Motion Dec: -263.01 mas/yr Parallax: 0.02526" Epoch of Position: 2000.0</td> <td>V=7.6</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (128) | HD-47186 | RA: 06 36 8.7877 (99.0366154d) Dec: -27 37 20.27 (-27.62230d) Equinox: J2000 | Proper Motion RA: 21.32 mas/yr Proper Motion Dec: -263.01 mas/yr Parallax: 0.02526" Epoch of Position: 2000.0 | V=7.6 | Reference Frame: ICRS |
|----------------------|---|--|--|--------------------|--------------------------|--------|---------------|-------|----------|--|--|-------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (128) | HD-47186 | RA: 06 36 8.7877 (99.0366154d) Dec: -27 37 20.27 (-27.62230d) Equinox: J2000 | Proper Motion RA: 21.32 mas/yr Proper Motion Dec: -263.01 mas/yr Parallax: 0.02526" Epoch of Position: 2000.0 | V=7.6 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (128) HD-47186 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (128) HD-47186 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (128) HD-47186 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |

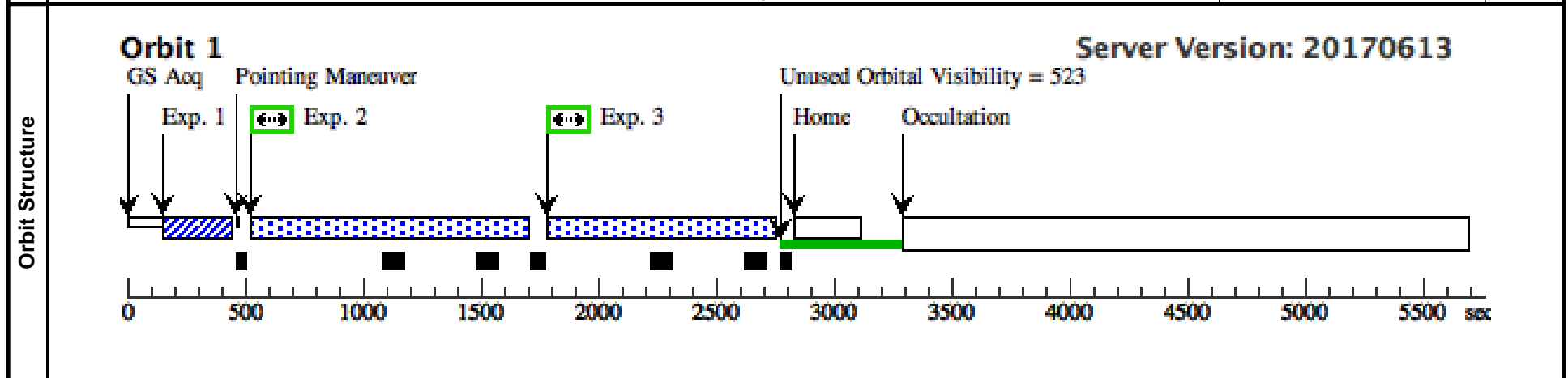


| | |
|--------------|---|
| Visit | Proposal 14633, Visit 55, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (Visit 55) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(129)</td> <td>HD-13931</td> <td>RA: 02 16 47.3795 (34.1974146d) Dec: +43 46 22.79 (43.77300d) Equinox: J2000</td> <td>Proper Motion RA: 99.03 mas/yr Proper Motion Dec: -183.19 mas/yr Parallax: 0.02261" Epoch of Position: 2000.0</td> <td>V=7.61</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (129) | HD-13931 | RA: 02 16 47.3795 (34.1974146d) Dec: +43 46 22.79 (43.77300d) Equinox: J2000 | Proper Motion RA: 99.03 mas/yr Proper Motion Dec: -183.19 mas/yr Parallax: 0.02261" Epoch of Position: 2000.0 | V=7.61 | Reference Frame: ICRS |
|----------------------|--|--|--|--------------------|--------------------------|--------|---------------|-------|----------|--|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (129) | HD-13931 | RA: 02 16 47.3795 (34.1974146d) Dec: +43 46 22.79 (43.77300d) Equinox: J2000 | Proper Motion RA: 99.03 mas/yr Proper Motion Dec: -183.19 mas/yr Parallax: 0.02261" Epoch of Position: 2000.0 | V=7.61 | Reference Frame: ICRS | | | | | | | | |

| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|----------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.820 745) | (129) HD-13931 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (129) HD-13931 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (129) HD-13931 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 56 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:37 GMT 2017

| Visit | <p>Proposal 14633, Visit 56, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|--|---|--|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|--|---|-----------------|--------------------|--------------------------|---------------|---------------|---------------|-----------|---|--|--------|-----------------------|-----------------|-------------------------|---------|--|--|--|----------------------------|-----|---|-----------------------------|-----------------|------------------------|-----------------|----------------------------------|--|--|--------------------------------|-----|---|-----------------------------|-----------------|------------------------|-----------------|----------------------------------|--|--|------------------------------|-----|
| Diagnostics | <p>(G130M_FP1 (56.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (56.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 56) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (56.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (56.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(130)</td> <td>HD-136118</td> <td>RA: 15 18 55.4727 (229.7311363d) Dec: -01 35 32.59 (-1.59239d) Equinox: J2000</td> <td>Proper Motion RA: -122.69 mas/yr Proper Motion Dec: 23.72 mas/yr Parallax: 0.02147" Epoch of Position: 2000.0</td> <td>V=6.94</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: replacement target #2 - 07/14/16</i> <i>Extended=NO</i></p> | | | | | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (130) | HD-136118 | RA: 15 18 55.4727 (229.7311363d) Dec: -01 35 32.59 (-1.59239d) Equinox: J2000 | Proper Motion RA: -122.69 mas/yr Proper Motion Dec: 23.72 mas/yr Parallax: 0.02147" Epoch of Position: 2000.0 | V=6.94 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (130) | HD-136118 | RA: 15 18 55.4727 (229.7311363d) Dec: -01 35 32.59 (-1.59239d) Equinox: J2000 | Proper Motion RA: -122.69 mas/yr Proper Motion Dec: 23.72 mas/yr Parallax: 0.02147" Epoch of Position: 2000.0 | V=6.94 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exposures | <table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ (COS.ta.825 737)</td> <td>(130) HD-136118</td> <td>COS/NUV, ACQ/IMAGE, BOA</td> <td>MIRRORB</td> <td></td> <td></td> <td></td> <td>60 Secs (60 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G130M_FP 1 (COS.sp.820 740)</td> <td>(130) HD-136118</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=3</td> <td></td> <td></td> <td>1000 Secs (1000 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G130M_FP 2 (COS.sp.820 740)</td> <td>(130) HD-136118</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=4</td> <td></td> <td></td> <td>920 Secs (920 Secs) [==>]</td> <td>[1]</td> </tr> </tbody> </table> | | | | | | | | | | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | 1 | ACQ (COS.ta.825 737) | (130) HD-136118 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] | 2 | G130M_FP 1 (COS.sp.820 740) | (130) HD-136118 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | 3 | G130M_FP 2 (COS.sp.820 740) | (130) HD-136118 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |
| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | ACQ (COS.ta.825 737) | (130) HD-136118 | COS/NUV, ACQ/IMAGE, BOA | MIRRORB | | | | 60 Secs (60 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | G130M_FP 1 (COS.sp.820 740) | (130) HD-136118 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | G130M_FP 2 (COS.sp.820 740) | (130) HD-136118 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Orbit Structure | <div style="text-align: right;">Server Version: 20170613</div> <p>Orbit 1</p> <p>GS Acq Pointing Maneuver Unused Orbital Visibility = 367</p> <p>Exp. 1 Exp. 2 Exp. 3 Home Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Proposal 14633 - Visit 57 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

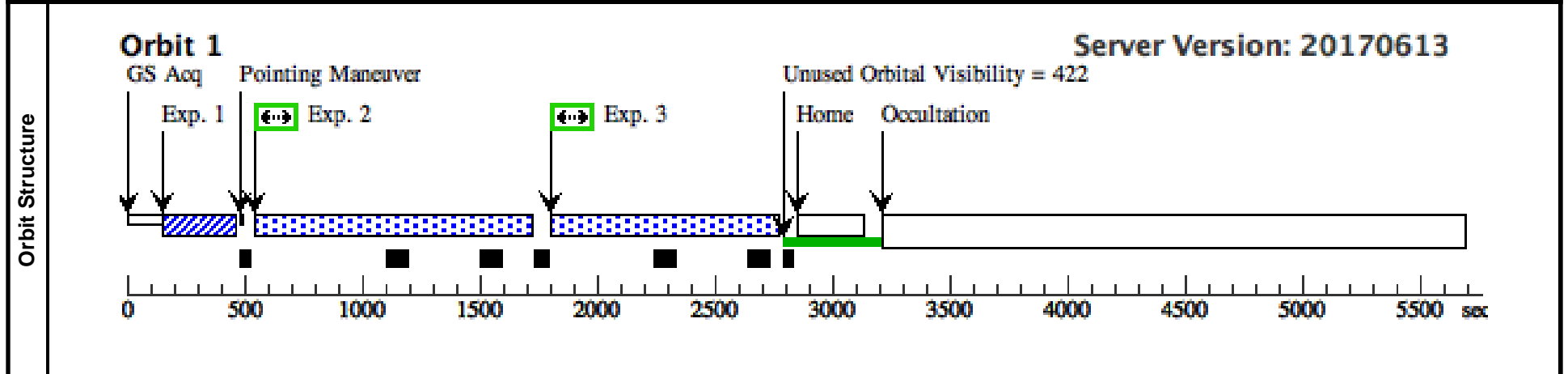
Thu Sep 21 19:01:37 GMT 2017

| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 57, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (57.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (57.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 57) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (57.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (57.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(131)</td> <td>HD-37124</td> <td>RA: 05 37 2.4861 (84.2603588d) Dec: +20 43 50.84 (20.73079d) Equinox: J2000</td> <td>Proper Motion RA: -80.14 mas/yr Proper Motion Dec: -419.77 mas/yr Parallax: 0.0297" Epoch of Position: 2000.0</td> <td>V=7.68</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (131) | HD-37124 | RA: 05 37 2.4861 (84.2603588d) Dec: +20 43 50.84 (20.73079d) Equinox: J2000 | Proper Motion RA: -80.14 mas/yr Proper Motion Dec: -419.77 mas/yr Parallax: 0.0297" Epoch of Position: 2000.0 | V=7.68 | Reference Frame: ICRS |
|----------------------|---|---|--|--------------------|--------------------------|--------|---------------|-------|----------|---|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (131) | HD-37124 | RA: 05 37 2.4861 (84.2603588d) Dec: +20 43 50.84 (20.73079d) Equinox: J2000 | Proper Motion RA: -80.14 mas/yr Proper Motion Dec: -419.77 mas/yr Parallax: 0.0297" Epoch of Position: 2000.0 | V=7.68 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.916 381) | (131) HD-37124 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 40 Secs (40 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (131) HD-37124 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (131) HD-37124 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 58 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

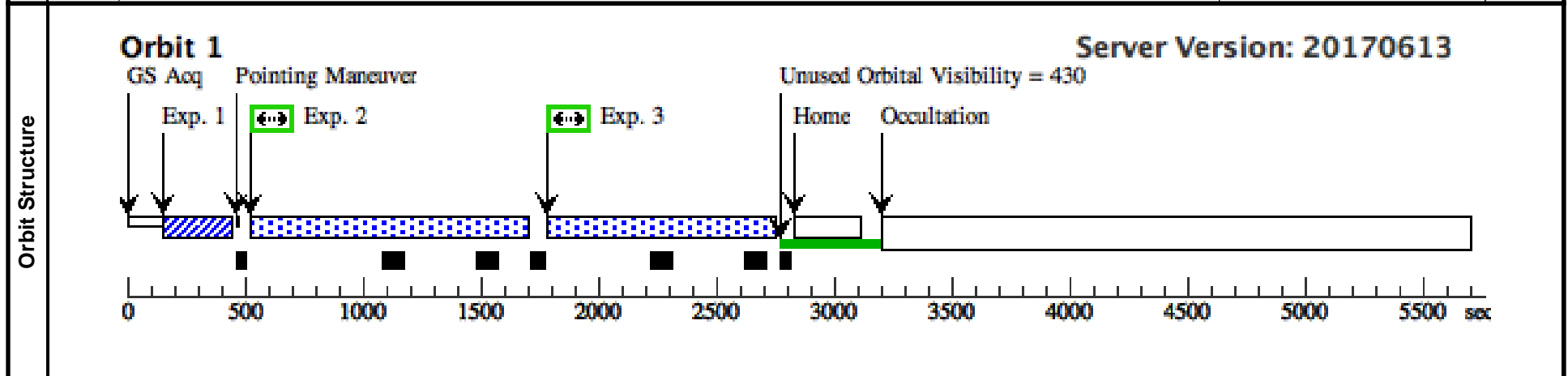
Thu Sep 21 19:01:37 GMT 2017

| | |
|--------------|--|
| Visit | <p>Proposal 14633, Visit 58, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (58.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (58.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 58) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (58.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(132)</td> <td>HD-222582</td> <td>RA: 23 41 51.5302 (355.4647092d) Dec: -05 59 8.73 (-5.98576d) Equinox: J2000</td> <td>Proper Motion RA: -144.88 mas/yr Proper Motion Dec: -111.93 mas/yr Parallax: 0.02394" Epoch of Position: 2000.0</td> <td>V=7.68</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (132) | HD-222582 | RA: 23 41 51.5302 (355.4647092d) Dec: -05 59 8.73 (-5.98576d) Equinox: J2000 | Proper Motion RA: -144.88 mas/yr Proper Motion Dec: -111.93 mas/yr Parallax: 0.02394" Epoch of Position: 2000.0 | V=7.68 | Reference Frame: ICRS |
|-------------------------------------|---|--|--|--------------------------|--------------------------|---------------|---------------|-------|-----------|--|--|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (132) | HD-222582 | RA: 23 41 51.5302 (355.4647092d) Dec: -05 59 8.73 (-5.98576d) Equinox: J2000 | Proper Motion RA: -144.88 mas/yr Proper Motion Dec: -111.93 mas/yr Parallax: 0.02394" Epoch of Position: 2000.0 | V=7.68 | Reference Frame: ICRS | | | | | | | | |
| <p><i>Comments: Extended=NO</i></p> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|----------------------------|-----|
| | 1 | ACQ (COS.ta.820 745) | (132) HD-222582 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (132) HD-222582 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (132) HD-222582 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] | |



| | | | | | | | | | | |
|------------------------------|--|-----------------------------|--|---|-----------------|---|---------------|--------|---------------------------------|-------|
| Visit | Proposal 14633, Visit 59, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 59) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (133) | HD-142022 | RA: 16 10 15.0315 (242.5626313d) Dec: -84 13 53.81 (-84.23161d) Equinox: J2000 | Proper Motion RA: -336.32 mas/yr Proper Motion Dec: -31.77 mas/yr Parallax: 0.02913" Epoch of Position: 2000.0 | V=7.7 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ (COS.ta.820 745) | (133) HD-142022 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 45 Secs (45 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (133) HD-142022 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (133) HD-142022 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| Orbit Structure | <p>Orbit 1 Server Version: 20170613</p> <p>The diagram shows a timeline from 0 to 5500 seconds. Key events include: GS Acq at ~100s, Pointing Maneuver at ~500s, Exp. 1 (blue hatched) from ~500s to ~750s, Exp. 2 (green dotted) from ~750s to ~1800s, Exp. 3 (green dotted) from ~1800s to ~2800s, Home at ~2800s, Occultation (green solid) from ~2800s to ~3500s, and a final white block from ~3500s to ~5500s. A green bar at the bottom indicates 'Unused Orbital Visibility = 789' from ~2800s to ~3500s.</p> | | | | | | | | | |
| | <p>Timeline labels: GS Acq, Pointing Maneuver, Exp. 1, Exp. 2, Exp. 3, Home, Occultation, Unused Orbital Visibility = 789. X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec.</p> | | | | | | | | | |

Proposal 14633 - Visit 60 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

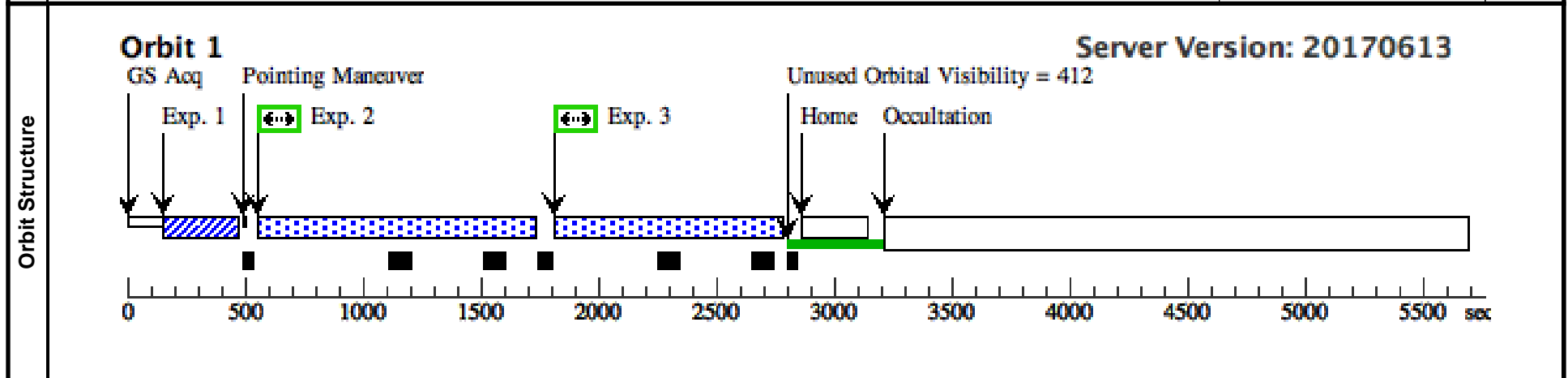
Thu Sep 21 19:01:37 GMT 2017

| | |
|--------------|---|
| Visit | Proposal 14633, Visit 60, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (Visit 60) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(134)</td> <td>HD-81040</td> <td>RA: 09 23 47.0865 (140.9461937d) Dec: +20 21 52.04 (20.36446d) Equinox: J2000</td> <td>Proper Motion RA: -152.39 mas/yr Proper Motion Dec: 36.12 mas/yr Parallax: 0.0302" Epoch of Position: 2000.0</td> <td>V=7.72</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (134) | HD-81040 | RA: 09 23 47.0865 (140.9461937d) Dec: +20 21 52.04 (20.36446d) Equinox: J2000 | Proper Motion RA: -152.39 mas/yr Proper Motion Dec: 36.12 mas/yr Parallax: 0.0302" Epoch of Position: 2000.0 | V=7.72 | Reference Frame: ICRS |
|----------------------|--|---|---|--------------------|--------------------------|--------|---------------|-------|----------|---|---|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (134) | HD-81040 | RA: 09 23 47.0865 (140.9461937d) Dec: +20 21 52.04 (20.36446d) Equinox: J2000 | Proper Motion RA: -152.39 mas/yr Proper Motion Dec: 36.12 mas/yr Parallax: 0.0302" Epoch of Position: 2000.0 | V=7.72 | Reference Frame: ICRS | | | | | | | | |

| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|----------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.916 392) | (134) HD-81040 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 45 Secs (45 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (134) HD-81040 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (134) HD-81040 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |

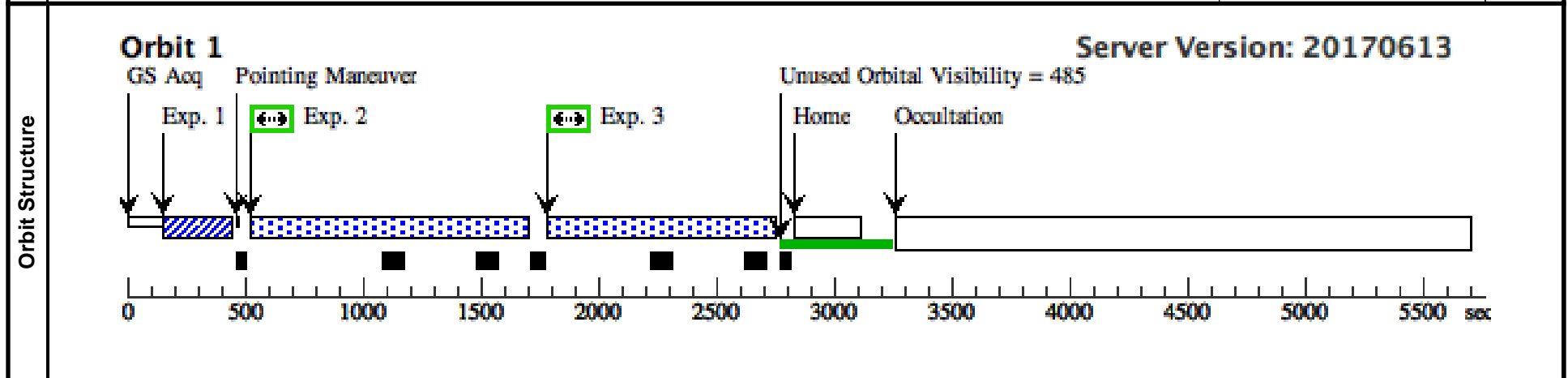


| | |
|--------------|---|
| Visit | Proposal 14633, Visit 61, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: ORIENT 350D TO 230 D |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (Visit 61) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(135)</td> <td>HD-6434</td> <td>RA: 01 04 40.1508 (16.1672950d) Dec: -39 29 17.58 (-39.48822d) Equinox: J2000</td> <td>Proper Motion RA: -169.44 mas/yr Proper Motion Dec: -527.67 mas/yr Parallax: 0.02417" Epoch of Position: 2000.0</td> <td>V=7.72</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (135) | HD-6434 | RA: 01 04 40.1508 (16.1672950d) Dec: -39 29 17.58 (-39.48822d) Equinox: J2000 | Proper Motion RA: -169.44 mas/yr Proper Motion Dec: -527.67 mas/yr Parallax: 0.02417" Epoch of Position: 2000.0 | V=7.72 | Reference Frame: ICRS |
|----------------------|--|---|--|--------------------|--------------------------|--------|---------------|-------|---------|---|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (135) | HD-6434 | RA: 01 04 40.1508 (16.1672950d) Dec: -39 29 17.58 (-39.48822d) Equinox: J2000 | Proper Motion RA: -169.44 mas/yr Proper Motion Dec: -527.67 mas/yr Parallax: 0.02417" Epoch of Position: 2000.0 | V=7.72 | Reference Frame: ICRS | | | | | | | | |

| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|---------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.820 745) | (135) HD-6434 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (135) HD-6434 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (135) HD-6434 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 62 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

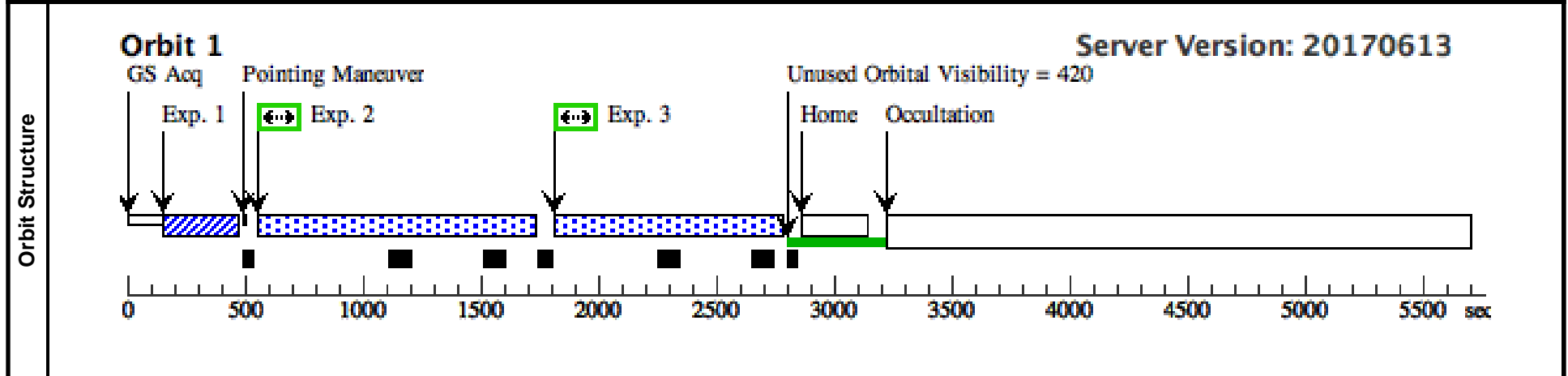
Thu Sep 21 19:01:37 GMT 2017

| | |
|--------------|--|
| Visit | <p>Proposal 14633, Visit 62, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (62.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (62.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 62) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (62.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |
| | (G130M_FP2 (62.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(136)</td> <td>HD-4208</td> <td>RA: 00 44 26.6511 (11.1110462d) Dec: -26 30 56.45 (-26.51568d) Equinox: J2000</td> <td>Proper Motion RA: 314.7 mas/yr Proper Motion Dec: 150.27 mas/yr Parallax: 0.03089" Epoch of Position: 2000.0</td> <td>V=7.78</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (136) | HD-4208 | RA: 00 44 26.6511 (11.1110462d) Dec: -26 30 56.45 (-26.51568d) Equinox: J2000 | Proper Motion RA: 314.7 mas/yr Proper Motion Dec: 150.27 mas/yr Parallax: 0.03089" Epoch of Position: 2000.0 | V=7.78 | Reference Frame: ICRS |
|----------------------|---|---|---|--------------------------|--------------------------|---------------|---------------|-------|---------|---|---|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (136) | HD-4208 | RA: 00 44 26.6511 (11.1110462d) Dec: -26 30 56.45 (-26.51568d) Equinox: J2000 | Proper Motion RA: 314.7 mas/yr Proper Motion Dec: 150.27 mas/yr Parallax: 0.03089" Epoch of Position: 2000.0 | V=7.78 | Reference Frame: ICRS | | | | | | | | |

| Exposures | <table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ (COS.ta.820 745)</td> <td>(136) HD-4208</td> <td>COS/NUV, ACQ/IMAGE, BOA</td> <td>MIRRORA</td> <td></td> <td></td> <td></td> <td>45 Secs (45 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G130M_FP 1 (COS.sp.820 740)</td> <td>(136) HD-4208</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=3</td> <td></td> <td></td> <td>1000 Secs (1000 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G130M_FP 2 (COS.sp.820 740)</td> <td>(136) HD-4208</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=4</td> <td></td> <td></td> <td>920 Secs (920 Secs) [==>]</td> <td>[1]</td> </tr> </tbody> </table> | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | 1 | ACQ (COS.ta.820 745) | (136) HD-4208 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 45 Secs (45 Secs) [==>] | [1] | 2 | G130M_FP 1 (COS.sp.820 740) | (136) HD-4208 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | 3 | G130M_FP 2 (COS.sp.820 740) | (136) HD-4208 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |
|------------------|--|-----------------------------|------------------------|-------------------------|----------------------------------|----------------------------------|---------------|------------------------------|---------------------------------|---------------------------------|-------|---|----------------------|---------------|-------------------------|---------|--|--|--|----------------------------|-----|---|-----------------------------|---------------|------------------------|-----------------|----------------------------------|--|--|--------------------------------|-----|---|-----------------------------|---------------|------------------------|-----------------|----------------------------------|--|--|------------------------------|-----|
| | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | ACQ (COS.ta.820 745) | (136) HD-4208 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 45 Secs (45 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (136) HD-4208 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | G130M_FP 2 (COS.sp.820 740) | (136) HD-4208 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

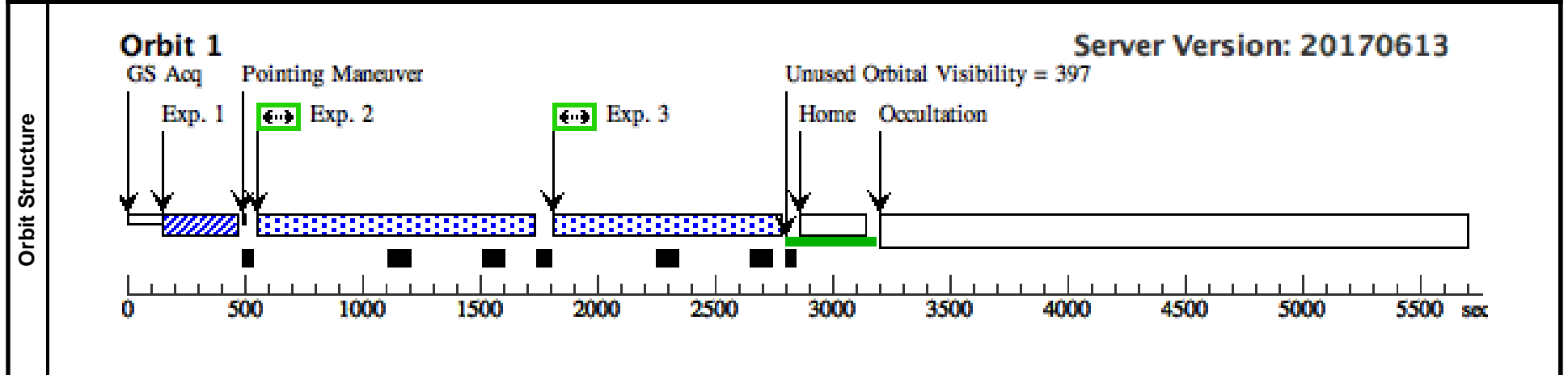


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|--------------|--|
| Visit | Proposal 14633, Visit 63, completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: ORIENT 220D TO 95 D |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (63.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (63.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 63) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (63.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(137)</td> <td>HD-192263</td> <td>RA: 20 13 59.8460 (303.4993583d) Dec: -00 52 0.75 (-.86687d) Equinox: J2000</td> <td>Proper Motion RA: -61.13 mas/yr Proper Motion Dec: 261.37 mas/yr Parallax: 0.05177" Epoch of Position: 2000.0</td> <td>V=7.79</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (137) | HD-192263 | RA: 20 13 59.8460 (303.4993583d) Dec: -00 52 0.75 (-.86687d) Equinox: J2000 | Proper Motion RA: -61.13 mas/yr Proper Motion Dec: 261.37 mas/yr Parallax: 0.05177" Epoch of Position: 2000.0 | V=7.79 | Reference Frame: ICRS |
|------------------------------|--|---|--|--------------------------|--------------------------|---------------|---------------|-------|-----------|---|--|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (137) | HD-192263 | RA: 20 13 59.8460 (303.4993583d) Dec: -00 52 0.75 (-.86687d) Equinox: J2000 | Proper Motion RA: -61.13 mas/yr Proper Motion Dec: 261.37 mas/yr Parallax: 0.05177" Epoch of Position: 2000.0 | V=7.79 | Reference Frame: ICRS | | | | | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|----------------------------|-----|
| | 1 | ACQ (COS.ta.820 745) | (137) HD-192263 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | | 45 Secs (45 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (137) HD-192263 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (137) HD-192263 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] | |

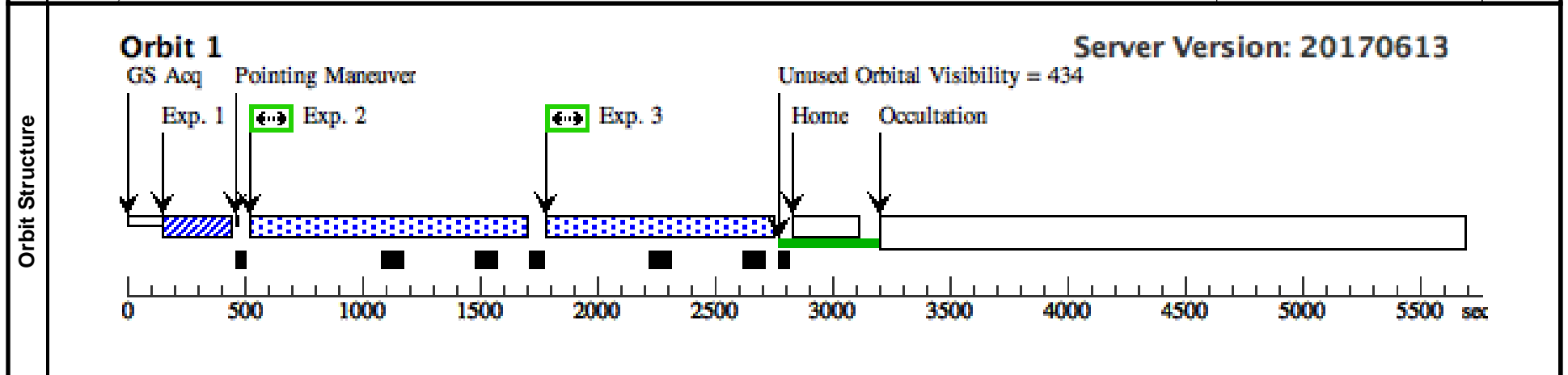


| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 64, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (64.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (64.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 64) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (64.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (64.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(138)</td> <td>HD-28185</td> <td>RA: 04 26 26.3227 (66.6096779d) Dec: -10 33 2.93 (-10.55081d) Equinox: J2000</td> <td>Proper Motion RA: 84.42 mas/yr Proper Motion Dec: -57.66 mas/yr Parallax: 0.02362" Epoch of Position: 2000.0</td> <td>V=7.8</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (138) | HD-28185 | RA: 04 26 26.3227 (66.6096779d) Dec: -10 33 2.93 (-10.55081d) Equinox: J2000 | Proper Motion RA: 84.42 mas/yr Proper Motion Dec: -57.66 mas/yr Parallax: 0.02362" Epoch of Position: 2000.0 | V=7.8 | Reference Frame: ICRS |
|----------------------|--|--|---|--------------------|--------------------------|--------|---------------|-------|----------|--|---|-------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (138) | HD-28185 | RA: 04 26 26.3227 (66.6096779d) Dec: -10 33 2.93 (-10.55081d) Equinox: J2000 | Proper Motion RA: 84.42 mas/yr Proper Motion Dec: -57.66 mas/yr Parallax: 0.02362" Epoch of Position: 2000.0 | V=7.8 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (138) HD-28185 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (138) HD-28185 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (138) HD-28185 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |

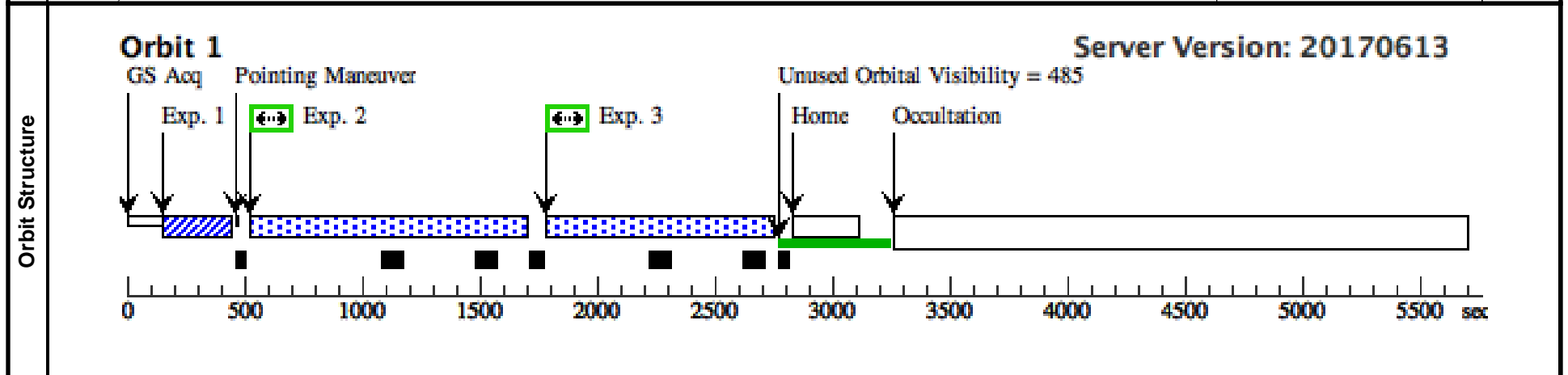


| | |
|--------------|--|
| Visit | Proposal 14633, Visit 65, completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (65.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. (G130M_FP2 (65.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. (Visit 65) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. (G130M_FP1 (65.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. (G130M_FP2 (65.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |
|--------------------|---|

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|----------------------|---|---|---|--------------------|--------------------------|--------|---------------|-------|---------|---|---|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (139) | HD-4113 | RA: 00 43 12.5968 (10.8024867d) Dec: -37 58 57.48 (-37.98263d) Equinox: J2000 | Proper Motion RA: 50.63 mas/yr Proper Motion Dec: -115.05 mas/yr Parallax: 0.0227" Epoch of Position: 2000.0 | V=7.88 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|---------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (139) HD-4113 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (139) HD-4113 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (139) HD-4113 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |

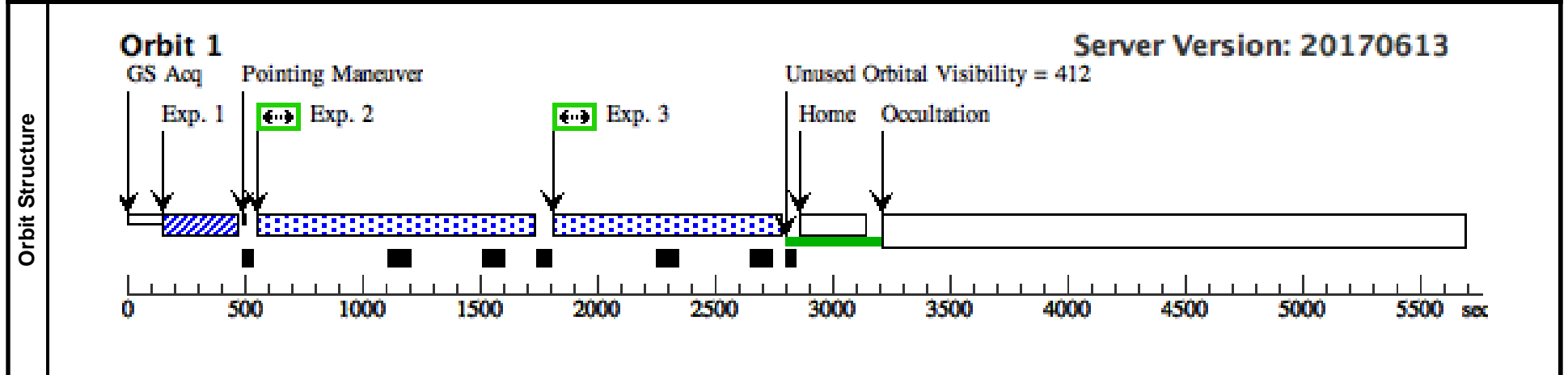


| | |
|--------------|--|
| Visit | <p>Proposal 14633, Visit 66, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (66.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (66.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 66) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (66.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(140)</td> <td>HD-104067</td> <td>RA: 11 59 10.0101 (179.7917087d) Dec: -20 21 13.61 (-20.35378d) Equinox: J2000</td> <td>Proper Motion RA: 143.31 mas/yr Proper Motion Dec: -423.67 mas/yr Parallax: 0.04747" Epoch of Position: 2000.0</td> <td>V=7.921</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (140) | HD-104067 | RA: 11 59 10.0101 (179.7917087d) Dec: -20 21 13.61 (-20.35378d) Equinox: J2000 | Proper Motion RA: 143.31 mas/yr Proper Motion Dec: -423.67 mas/yr Parallax: 0.04747" Epoch of Position: 2000.0 | V=7.921 | Reference Frame: ICRS |
|-------------------------------------|---|--|---|--------------------------|--------------------------|---------------|---------------|-------|-----------|--|---|---------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (140) | HD-104067 | RA: 11 59 10.0101 (179.7917087d) Dec: -20 21 13.61 (-20.35378d) Equinox: J2000 | Proper Motion RA: 143.31 mas/yr Proper Motion Dec: -423.67 mas/yr Parallax: 0.04747" Epoch of Position: 2000.0 | V=7.921 | Reference Frame: ICRS | | | | | | | | |
| <p><i>Comments: Extended=NO</i></p> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (140) HD-104067 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 45 Secs (45 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (140) HD-104067 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (140) HD-104067 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |

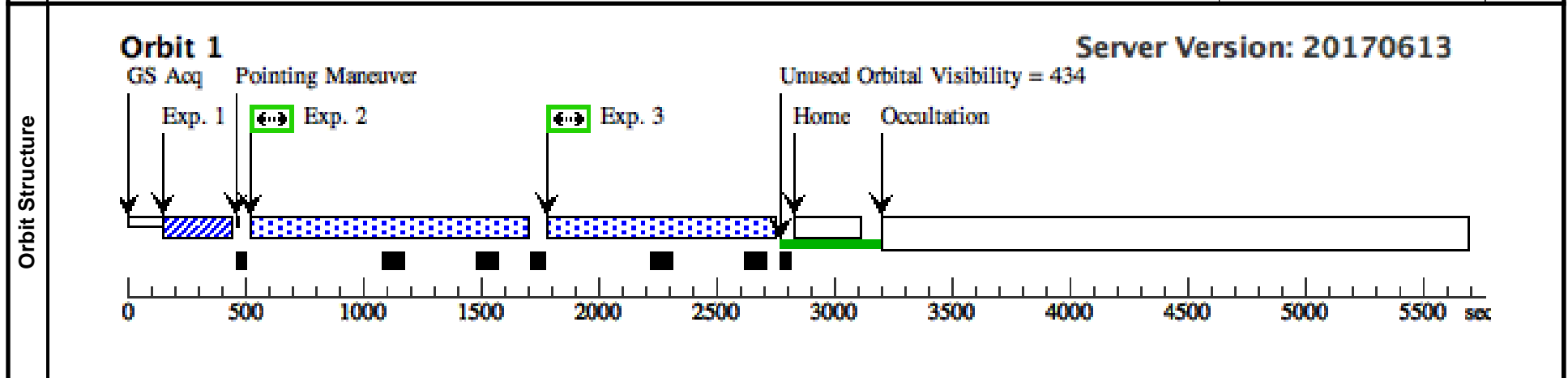


| | |
|--------------|---|
| Visit | Proposal 14633, Visit 67, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: ORIENT 205D TO 270 D |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (Visit 67) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(141)</td> <td>HD-168746</td> <td>RA: 18 21 49.7824 (275.4574267d) Dec: -11 55 21.66 (-11.92268d) Equinox: J2000</td> <td>Proper Motion RA: -23.35 mas/yr Proper Motion Dec: -68.93 mas/yr Parallax: 0.0234" Epoch of Position: 2000.0</td> <td>V=7.95</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (141) | HD-168746 | RA: 18 21 49.7824 (275.4574267d) Dec: -11 55 21.66 (-11.92268d) Equinox: J2000 | Proper Motion RA: -23.35 mas/yr Proper Motion Dec: -68.93 mas/yr Parallax: 0.0234" Epoch of Position: 2000.0 | V=7.95 | Reference Frame: ICRS |
|----------------------|--|--|---|--------------------|--------------------------|--------|---------------|-------|-----------|--|---|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (141) | HD-168746 | RA: 18 21 49.7824 (275.4574267d) Dec: -11 55 21.66 (-11.92268d) Equinox: J2000 | Proper Motion RA: -23.35 mas/yr Proper Motion Dec: -68.93 mas/yr Parallax: 0.0234" Epoch of Position: 2000.0 | V=7.95 | Reference Frame: ICRS | | | | | | | | |

| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|-----------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.820 745) | (141) HD-168746 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (141) HD-168746 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (141) HD-168746 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |

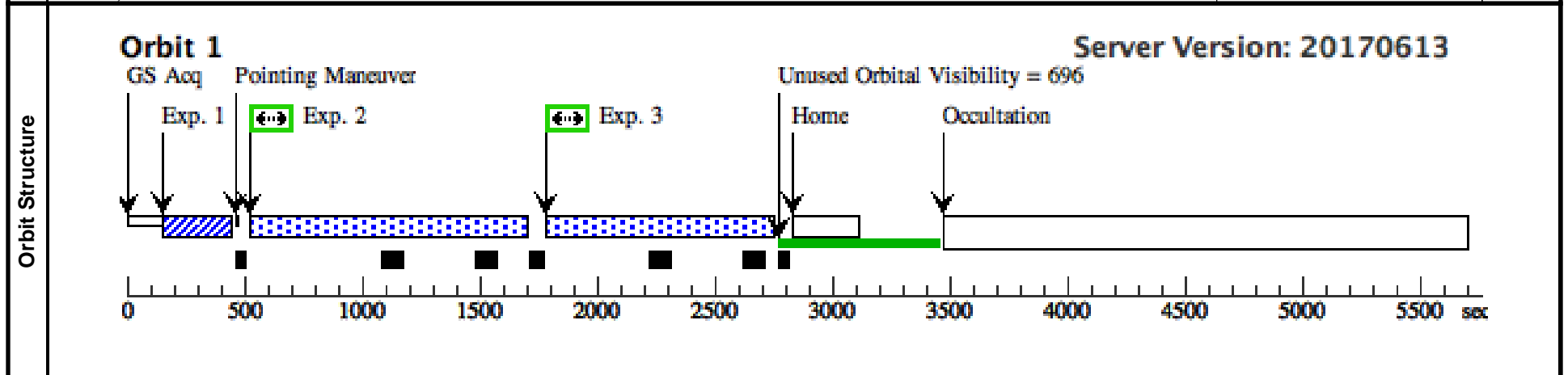


| | |
|--------------|--|
| Visit | <p>Proposal 14633, Visit 68, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (68.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (68.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 68) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (68.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(142)</td> <td>HD-65216</td> <td>RA: 07 53 41.3212 (118.4221717d) Dec: -63 38 50.37 (-63.64733d) Equinox: J2000</td> <td>Proper Motion RA: -122.93 mas/yr Proper Motion Dec: 145.51 mas/yr Parallax: 0.02811" Epoch of Position: 2000.0</td> <td>V=7.97</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (142) | HD-65216 | RA: 07 53 41.3212 (118.4221717d) Dec: -63 38 50.37 (-63.64733d) Equinox: J2000 | Proper Motion RA: -122.93 mas/yr Proper Motion Dec: 145.51 mas/yr Parallax: 0.02811" Epoch of Position: 2000.0 | V=7.97 | Reference Frame: ICRS |
|-------------------------------------|---|--|---|--------------------------|--------------------------|---------------|---------------|-------|----------|--|---|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (142) | HD-65216 | RA: 07 53 41.3212 (118.4221717d) Dec: -63 38 50.37 (-63.64733d) Equinox: J2000 | Proper Motion RA: -122.93 mas/yr Proper Motion Dec: 145.51 mas/yr Parallax: 0.02811" Epoch of Position: 2000.0 | V=7.97 | Reference Frame: ICRS | | | | | | | | |
| <p><i>Comments: Extended=NO</i></p> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.820 745) | (142) HD-65216 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (142) HD-65216 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (142) HD-65216 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 69 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:37 GMT 2017

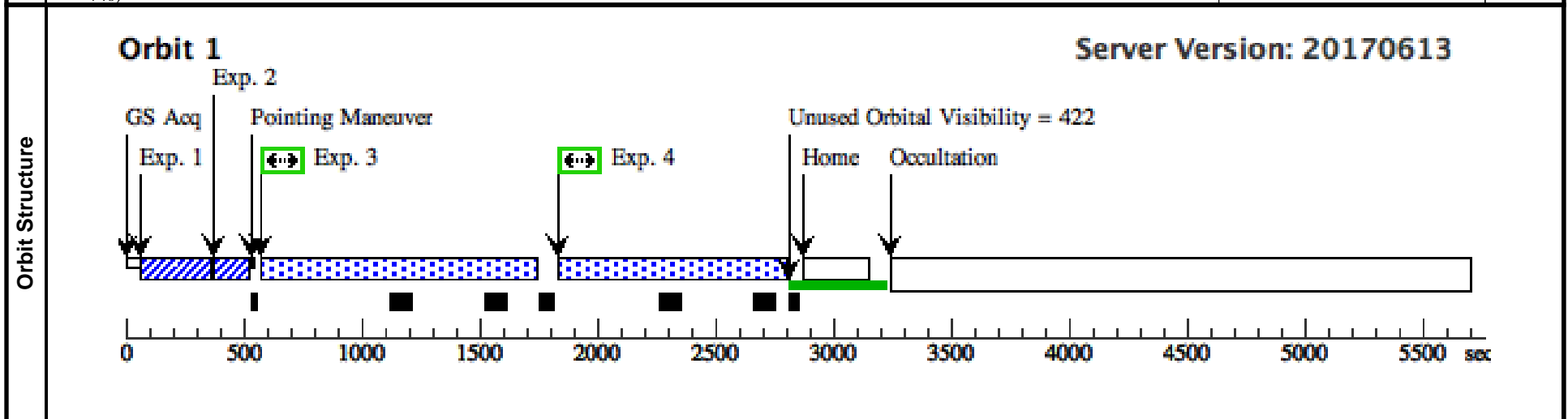
| | |
|--------------|--|
| Visit | Proposal 14633, Visit 69, completed |
| | Diagnostic Status: Error |
| | Scientific Instruments: COS/FUV, COS/NUV |
| | Special Requirements: (none) |

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (69.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (69.004)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 69) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (69.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| | | | | | | |
|----------------------|----------|-------------|--|--|---------------|-----------------------|
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous |
| | (143) | HD-178911-B | RA: 19 09 3.0983 (287.2629096d) Dec: +34 35 59.49 (34.59986d) Equinox: J2000 | Proper Motion RA: 55.14 mas/yr Proper Motion Dec: 201.3 mas/yr Parallax: 0.02348" Epoch of Position: 2000.0 | V=7.97 | Reference Frame: ICRS |

Comments: Extended=NO

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|-----------------------------|-------------------------|-------------------------|--------------------------|----------------------------------|--------------|---------------|--------|---------------------------------|------------------------------|
| | 1 | ACQ-XD (COS.ta.843 206) | (143) HD-178911-B | COS/NUV, ACQ/PEAKXD, PSA | G230L 2635 A | | | | | 0.5 Secs (0.5 Secs) [==>] |
| 2 | ACQ-D (COS.ta.843 206) | (143) HD-178911-B | COS/NUV, ACQ/PEAKD, PSA | G230L 2635 A | NUM-POS=5; STEP-SIZE=0.9 | | | | 0.5 Secs (0.5 Secs) [==>] | [1] |
| 3 | G130M_FP 1 (COS.sp.820 740) | (143) HD-178911-B | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 4 | G130M_FP 2 (COS.sp.820 740) | (143) HD-178911-B | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 70 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:37 GMT 2017

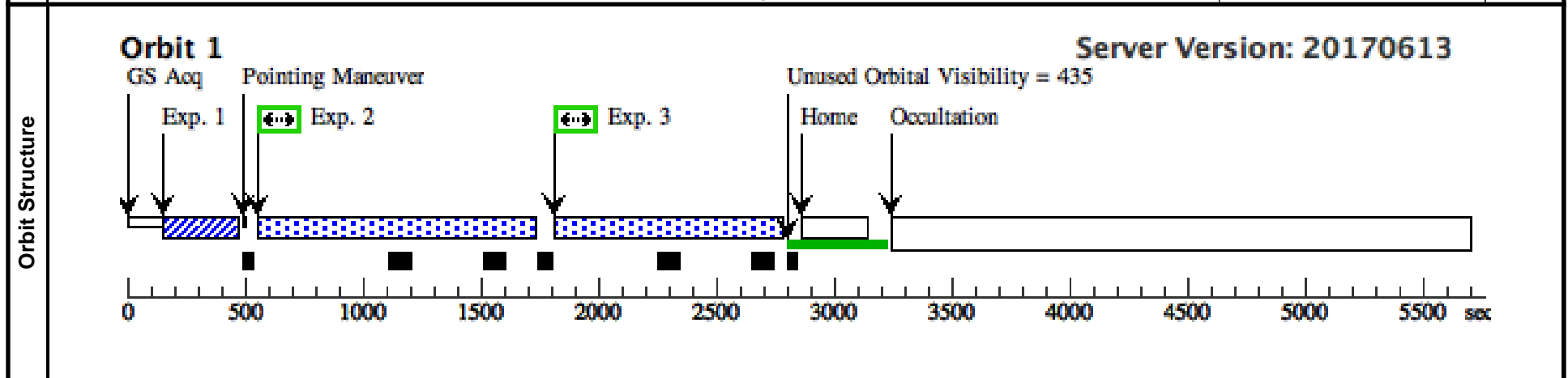
| Visit | <p>Proposal 14633, Visit 70, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|--|--|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|--|---|-----------------|--------------------|--------------------------|---------------|---------------|---------------|----------|--|--|--------|-----------------------|----------------|-------------------------|---------|--|--|--|----------------------------|-----|---|-----------------------------|----------------|------------------------|-----------------|----------------------------------|--|--|--------------------------------|-----|---|-----------------------------|----------------|------------------------|-----------------|----------------------------------|--|--|------------------------------|-----|
| Diagnostics | <p>(G130M_FP1 (70.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (70.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 70) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (70.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (70.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(144)</td> <td>HD-79498</td> <td>RA: 09 15 9.4012 (138.7891717d) Dec: +23 22 31.98 (23.37555d) Equinox: J2000</td> <td>Proper Motion RA: -127.94 mas/yr Proper Motion Dec: -154.95 mas/yr Parallax: 0.02169" Epoch of Position: 2000.0</td> <td>V=8.02</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Original Simbad coords predicted that we would miss the target. Coords and PMs from Tycho were also tried without improved agreement. Have returned to Hipparchos coords. KF & NA - 06/30/16 Extended=NO</i></p> | | | | | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (144) | HD-79498 | RA: 09 15 9.4012 (138.7891717d) Dec: +23 22 31.98 (23.37555d) Equinox: J2000 | Proper Motion RA: -127.94 mas/yr Proper Motion Dec: -154.95 mas/yr Parallax: 0.02169" Epoch of Position: 2000.0 | V=8.02 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (144) | HD-79498 | RA: 09 15 9.4012 (138.7891717d) Dec: +23 22 31.98 (23.37555d) Equinox: J2000 | Proper Motion RA: -127.94 mas/yr Proper Motion Dec: -154.95 mas/yr Parallax: 0.02169" Epoch of Position: 2000.0 | V=8.02 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exposures | <table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ (COS.ta.820 745)</td> <td>(144) HD-79498</td> <td>COS/NUV, ACQ/IMAGE, BOA</td> <td>MIRRORA</td> <td></td> <td></td> <td></td> <td>30 Secs (30 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G130M_FP 1 (COS.sp.820 740)</td> <td>(144) HD-79498</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=3</td> <td></td> <td></td> <td>1000 Secs (1000 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G130M_FP 2 (COS.sp.820 740)</td> <td>(144) HD-79498</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=4</td> <td></td> <td></td> <td>920 Secs (920 Secs) [==>]</td> <td>[1]</td> </tr> </tbody> </table> | | | | | | | | | | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | 1 | ACQ (COS.ta.820 745) | (144) HD-79498 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] | 2 | G130M_FP 1 (COS.sp.820 740) | (144) HD-79498 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | 3 | G130M_FP 2 (COS.sp.820 740) | (144) HD-79498 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |
| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | ACQ (COS.ta.820 745) | (144) HD-79498 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 30 Secs (30 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | G130M_FP 1 (COS.sp.820 740) | (144) HD-79498 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | G130M_FP 2 (COS.sp.820 740) | (144) HD-79498 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Orbit Structure | <div style="text-align: right;">Server Version: 20170613</div> <p>Orbit 1</p> <p>GS Acq Pointing Maneuver Unused Orbital Visibility = 442</p> <p>Exp. 1 Exp. 2 Exp. 3 Home Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--------------|---|
| Visit | Proposal 14633, Visit 71, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (Visit 71) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(145)</td> <td>HD-45364</td> <td>RA: 06 25 38.4750 (96.4103125d) Dec: -31 28 51.44 (-31.48096d) Equinox: J2000</td> <td>Proper Motion RA: 53.22 mas/yr Proper Motion Dec: -13.2 mas/yr Parallax: 0.03059" Epoch of Position: 2000.0</td> <td>V=8.08</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (145) | HD-45364 | RA: 06 25 38.4750 (96.4103125d) Dec: -31 28 51.44 (-31.48096d) Equinox: J2000 | Proper Motion RA: 53.22 mas/yr Proper Motion Dec: -13.2 mas/yr Parallax: 0.03059" Epoch of Position: 2000.0 | V=8.08 | Reference Frame: ICRS |
|----------------------|---|---|--|--------------------|--------------------------|--------|---------------|-------|----------|---|--|--------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (145) | HD-45364 | RA: 06 25 38.4750 (96.4103125d) Dec: -31 28 51.44 (-31.48096d) Equinox: J2000 | Proper Motion RA: 53.22 mas/yr Proper Motion Dec: -13.2 mas/yr Parallax: 0.03059" Epoch of Position: 2000.0 | V=8.08 | Reference Frame: ICRS | | | | | | | | |

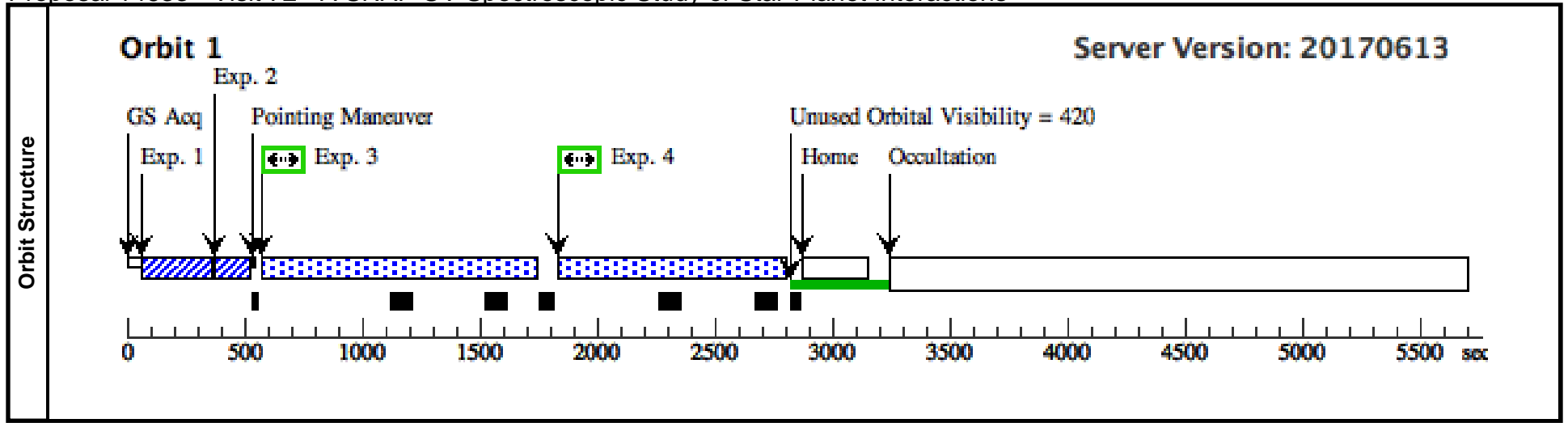
| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|---|-----------------------------|----------------|-------------------------|-----------------|---|---------------|--------|---------------------------------|-------|
| 1 | ACQ (COS.ta.820 745) | (145) HD-45364 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 45 Secs (45 Secs) [==>] | [1] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (145) HD-45364 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (145) HD-45364 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 72 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:37 GMT 2017

| Visit | Proposal 14633, Visit 72, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--------------------------|---|---------------|--------|---------------------------------|-------|---|-----------------|--------|----------------------|--------------------------|--------------|---------------|--------|---------------------------------|--|--|-------------------------------|-----------------------|--------------------------|-----------------|--|--|--|--------------------------|-----|---|------------------------------|----------------|-------------------------|-----------------|-----------------------------|--|--|--------------------------|-----|---|--------------------------------------|----------------|------------------------|-----------------|---|--|--|--------------------------------|-----|---|--------------------------------------|----------------|------------------------|-----------------|---|--|--|------------------------------|-----|
| | (Visit 72) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(146)</td> <td>HD-73256</td> <td>RA: 08 36 23.0159 (129.0958996d) Dec: -30 02 15.45 (-30.03762d) Equinox: J2000</td> <td>Proper Motion RA: -180.11 mas/yr Proper Motion Dec: 66.81 mas/yr Parallax: 0.02648" Epoch of Position: 2000.0</td> <td>V=8.08</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> Comments: Extended=NO | | | | | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (146) | HD-73256 | RA: 08 36 23.0159 (129.0958996d) Dec: -30 02 15.45 (-30.03762d) Equinox: J2000 | Proper Motion RA: -180.11 mas/yr Proper Motion Dec: 66.81 mas/yr Parallax: 0.02648" Epoch of Position: 2000.0 | V=8.08 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (146) | HD-73256 | RA: 08 36 23.0159 (129.0958996d) Dec: -30 02 15.45 (-30.03762d) Equinox: J2000 | Proper Motion RA: -180.11 mas/yr Proper Motion Dec: 66.81 mas/yr Parallax: 0.02648" Epoch of Position: 2000.0 | V=8.08 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ-XD (COS.sa.848 857)</td> <td>(146) HD-73256</td> <td>COS/NUV, ACQ/PEAKXD, PSA</td> <td>G230L 2950 A</td> <td></td> <td></td> <td></td> <td>1 Secs (1 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>ACQ-D (COS.ta.848 726)</td> <td>(146) HD-73256</td> <td>COS/NUV, ACQ/PEAKD, PSA</td> <td>G230L 2950 A</td> <td>NUM-POS=5; STEP-SIZE=0.9</td> <td></td> <td></td> <td>1 Secs (1 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G130M_FP 1 (COS.sp.820 740)</td> <td>(146) HD-73256</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3</td> <td></td> <td></td> <td>1000 Secs (1000 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>G130M_FP 2 (COS.sp.820 740)</td> <td>(146) HD-73256</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1300 A</td> <td>BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3</td> <td></td> <td></td> <td>920 Secs (920 Secs) [==>]</td> <td>[1]</td> </tr> </tbody> </table> | | | | | | | | | | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | 1 | ACQ-XD (COS.sa.848 857) | (146) HD-73256 | COS/NUV, ACQ/PEAKXD, PSA | G230L 2950 A | | | | 1 Secs (1 Secs) [==>] | [1] | 2 | ACQ-D (COS.ta.848 726) | (146) HD-73256 | COS/NUV, ACQ/PEAKD, PSA | G230L 2950 A | NUM-POS=5; STEP-SIZE=0.9 | | | 1 Secs (1 Secs) [==>] | [1] | 3 | G130M_FP 1 (COS.sp.820 740) | (146) HD-73256 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] | 4 | G130M_FP 2 (COS.sp.820 740) | (146) HD-73256 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | ACQ-XD (COS.sa.848 857) | (146) HD-73256 | COS/NUV, ACQ/PEAKXD, PSA | G230L 2950 A | | | | 1 Secs (1 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | ACQ-D (COS.ta.848 726) | (146) HD-73256 | COS/NUV, ACQ/PEAKD, PSA | G230L 2950 A | NUM-POS=5; STEP-SIZE=0.9 | | | 1 Secs (1 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | G130M_FP 1 (COS.sp.820 740) | (146) HD-73256 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | G130M_FP 2 (COS.sp.820 740) | (146) HD-73256 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Proposal 14633 - Visit 73 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

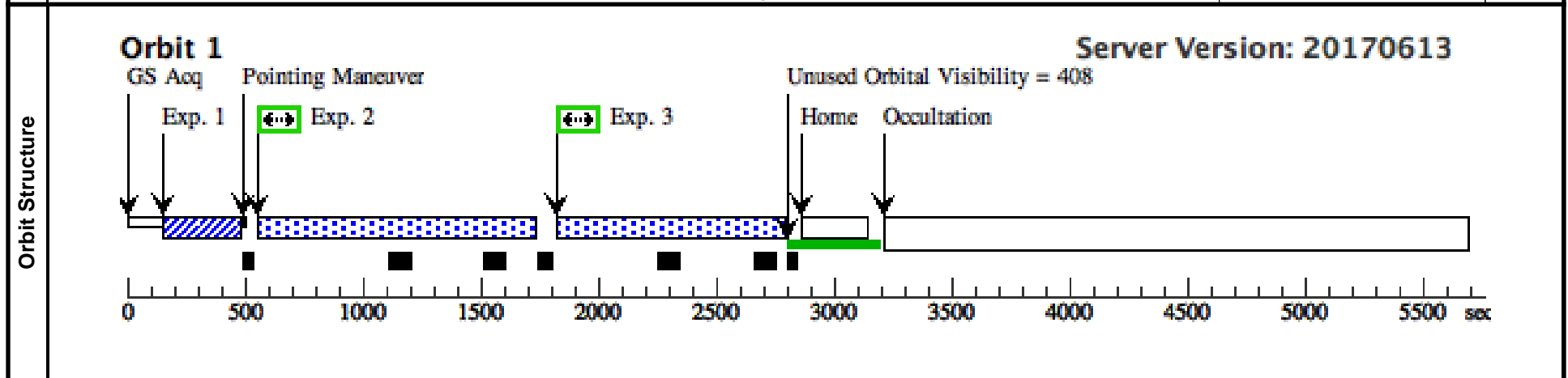
Thu Sep 21 19:01:37 GMT 2017

| | |
|--------------|--|
| Visit | Proposal 14633, Visit 73, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|--|

| | |
|--------------------|---|
| Diagnostics | (Visit 73) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
|--------------------|---|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(147)</td> <td>HD-202206</td> <td>RA: 21 14 57.7692 (318.7407050d) Dec: -20 47 21.15 (-20.78921d) Equinox: J2000</td> <td>Proper Motion RA: -38.4 mas/yr Proper Motion Dec: -119.81 mas/yr Parallax: 0.02206" Epoch of Position: 2000.0</td> <td>V=8.08</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (147) | HD-202206 | RA: 21 14 57.7692 (318.7407050d) Dec: -20 47 21.15 (-20.78921d) Equinox: J2000 | Proper Motion RA: -38.4 mas/yr Proper Motion Dec: -119.81 mas/yr Parallax: 0.02206" Epoch of Position: 2000.0 | V=8.08 | Reference Frame: ICRS |
|------------------------------|---|--|--|--------------------------|--------------------------|---------------|---------------|-------|-----------|--|--|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (147) | HD-202206 | RA: 21 14 57.7692 (318.7407050d) Dec: -20 47 21.15 (-20.78921d) Equinox: J2000 | Proper Motion RA: -38.4 mas/yr Proper Motion Dec: -119.81 mas/yr Parallax: 0.02206" Epoch of Position: 2000.0 | V=8.08 | Reference Frame: ICRS | | | | | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|-----------------------------|----------------------|------------------------|-------------------------|---|--------------|---------------|--------|---------------------------------|----------------------------|
| | 1 | ACQ (COS.ta.848 856) | (147) HD-202206 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | | 47 Secs (47 Secs) [==>] |
| 2 | G130M_FP 1 (COS.sp.820 740) | (147) HD-202206 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | | 1000 Secs (1000 Secs) [==>] | [1] |
| 3 | G130M_FP 2 (COS.sp.820 740) | (147) HD-202206 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | | 920 Secs (920 Secs) [==>] | [1] |

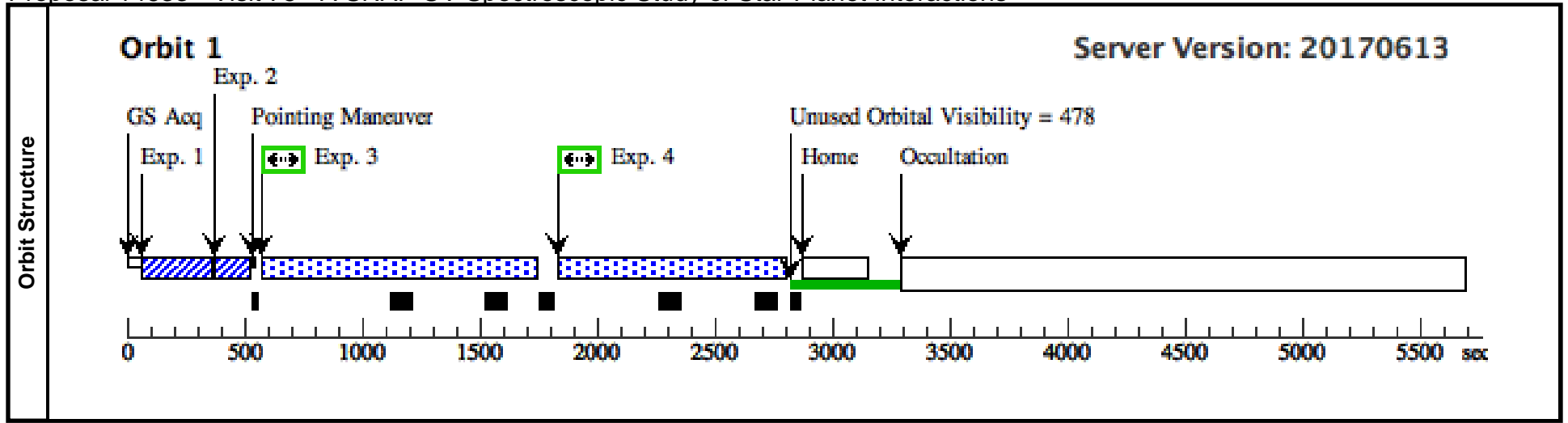


| | | | | | | | | | | |
|------------------------------|--|-----------------------------|--|---|-----------------|---|---------------|--------|---------------------------------|-------|
| Visit | Proposal 14633, Visit 74, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 74) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (148) | HD-63765 | RA: 07 47 49.7189 (116.9571621d) Dec: -54 15 50.93 (-54.26415d) Equinox: J2000 | Proper Motion RA: 147.67 mas/yr Proper Motion Dec: -279.19 mas/yr Parallax: 0.03007" Epoch of Position: 2000.0 | V=8.1 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ (COS.ta.820 745) | (148) HD-63765 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | 45 Secs (45 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (148) HD-63765 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (148) HD-63765 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |
| Orbit Structure | <p>Orbit 1 Server Version: 20170613</p> <p>The diagram shows a timeline for Orbit 1 from 0 to 5500 seconds. Key events include: GS Acq (0-50s), Pointing Maneuver (50-500s), Exp. 1 (500-745s), Exp. 2 (740-1740s), Exp. 3 (1740-2740s), Home (2740-3000s), and Occultation (3000-5500s). A green bar indicates 'Unused Orbital Visibility = 588' between 3000s and 3588s. Small black squares mark the start of each exposure.</p> | | | | | | | | | |
| | <p>Timeline labels: GS Acq, Pointing Maneuver, Exp. 1, Exp. 2, Exp. 3, Home, Occultation. X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec.</p> | | | | | | | | | |

Proposal 14633 - Visit 75 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:37 GMT 2017

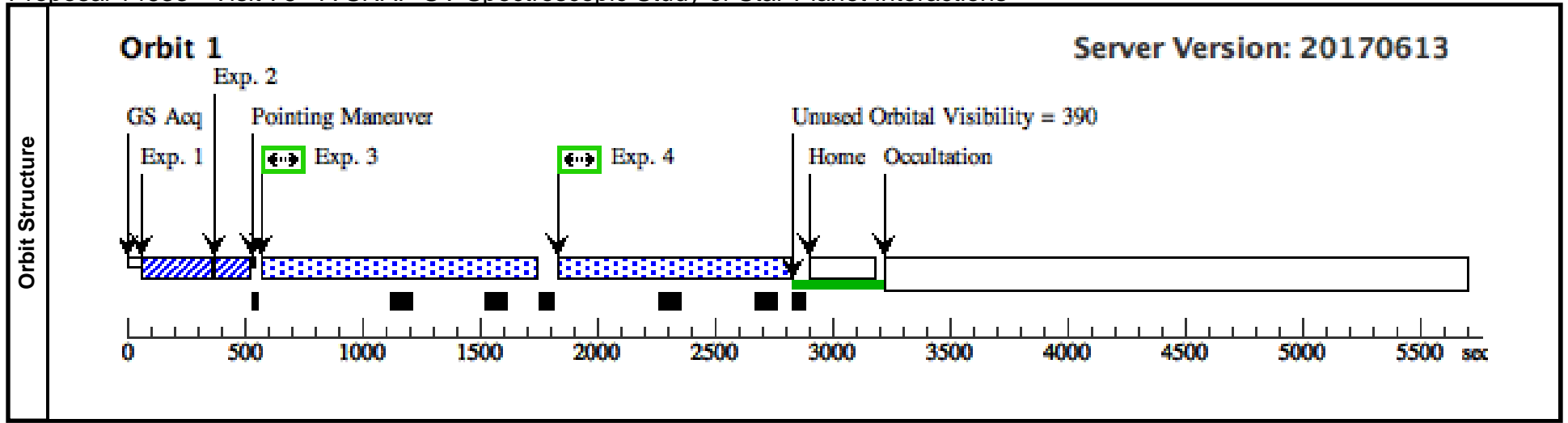
| | | | | | | | | | | |
|------------------------------|---|--------------------------------------|--|---|----------------------|---|----------------------|---------------|--|--------------|
| Visit | Proposal 14633, Visit 75, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 75) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (149) | HD-49674 | RA: 06 51 30.5141 (102.8771421d) Dec: +40 52 3.92 (40.86776d) Equinox: J2000 | Proper Motion RA: 32.23 mas/yr Proper Motion Dec: -122.7 mas/yr Parallax: 0.02261" Epoch of Position: 2000.0 | V=8.1 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ-XD (COS.ta.848 729) | (149) HD-49674 | COS/NUV, ACQ/PEAKXD, PSA | G230L 2950 A | | | | 1 Secs (1 Secs) [==>] | [1] |
| | 2 | ACQ-D (COS.sa.848 858) | (149) HD-49674 | COS/NUV, ACQ/PEAKD, PSA | G230L 2950 A | NUM-POS=5; STEP-SIZE=0.9 | | | 1 Secs (1 Secs) [==>] | [1] |
| | 3 | G130M_FP 1 (COS.sp.820 740) | (149) HD-49674 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 4 | G130M_FP 2 (COS.sp.820 740) | (149) HD-49674 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 76 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:38 GMT 2017

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|------------------------------|---|--------------------------------------|--|---|----------------------|---|-----------------------|---------------|--|--------------|
| Visit | Proposal 14633, Visit 76, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 76) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | Fluxes | Miscellaneous | | | |
| | (150) | HD-216770 | RA: 22 55 53.7084 (343.9737850d) Dec: -26 39 31.55 (-26.65876d) Equinox: J2000 | Proper Motion RA: 226.63 mas/yr Proper Motion Dec: -178.11 mas/yr Parallax: 0.02811" Epoch of Position: 2000.0 | | V=8.11 | Reference Frame: ICRS | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ-XD (COS.sa.848 859) | (150) HD-216770 | COS/NUV, ACQ/PEAKXD, PSA | G230L 2950 A | | | | 1 Secs (1 Secs) [==>] | [1] |
| | 2 | ACQ-D (COS.sa.848 859) | (150) HD-216770 | COS/NUV, ACQ/PEAKD, PSA | G230L 2950 A | NUM-POS=5; STEP-SIZE=0.9 | | | 1 Secs (1 Secs) [==>] | [1] |
| | 3 | G130M_FP 1 (COS.sp.820 740) | (150) HD-216770 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 4 | G130M_FP 2 (COS.sp.820 740) | (150) HD-216770 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 935 Secs (935 Secs) [==>] | [1] |



Proposal 14633 - Visit 77 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

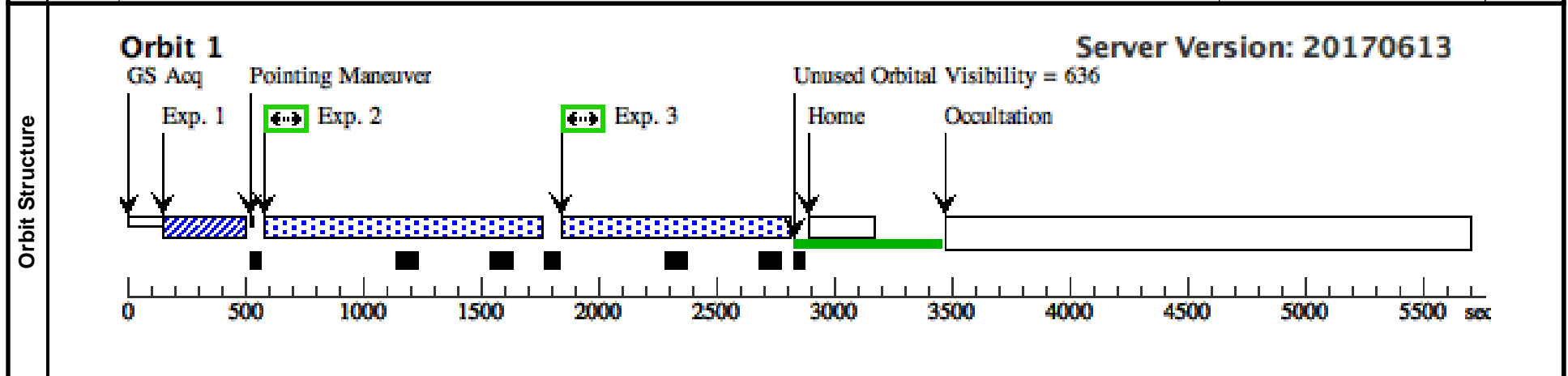
Thu Sep 21 19:01:38 GMT 2017

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| Visit | Proposal 14633, Visit 77, completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
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| Diagnostics | (G130M_FP1 (77.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (77.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 77) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (77.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(151)</td> <td>HD-147018</td> <td>RA: 16 23 0.1463 (245.7506096d) Dec: -61 41 19.54 (-61.68876d) Equinox: J2000</td> <td>Proper Motion RA: -178.49 mas/yr Proper Motion Dec: -315.28 mas/yr Parallax: 0.02328" Epoch of Position: 2000.0</td> <td>V=8.3</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (151) | HD-147018 | RA: 16 23 0.1463 (245.7506096d) Dec: -61 41 19.54 (-61.68876d) Equinox: J2000 | Proper Motion RA: -178.49 mas/yr Proper Motion Dec: -315.28 mas/yr Parallax: 0.02328" Epoch of Position: 2000.0 | V=8.3 | Reference Frame: ICRS |
|------------------------------|---|---|--|--------------------------|--------------------------|---------------|---------------|-------|-----------|---|--|-------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (151) | HD-147018 | RA: 16 23 0.1463 (245.7506096d) Dec: -61 41 19.54 (-61.68876d) Equinox: J2000 | Proper Motion RA: -178.49 mas/yr Proper Motion Dec: -315.28 mas/yr Parallax: 0.02328" Epoch of Position: 2000.0 | V=8.3 | Reference Frame: ICRS | | | | | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|----------------------------|-----|
| | 1 | ACQ (COS.ta.820 745) | (151) HD-147018 | COS/NUV, ACQ/IMAGE, BOA | MIRRORA | | | | | 60 Secs (60 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (151) HD-147018 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (151) HD-147018 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] | |



Proposal 14633 - Visit 78 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

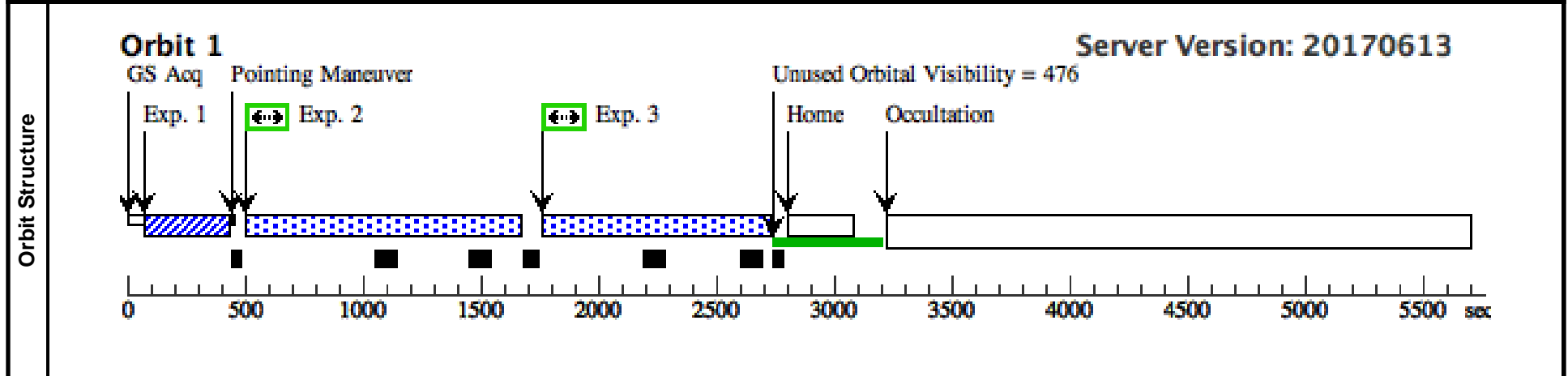
Thu Sep 21 19:01:38 GMT 2017

| | |
|--------------|---|
| Visit | <p>Proposal 14633, Visit 78, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p> |
|--------------|---|

| | |
|--------------------|--|
| Diagnostics | <p>(G130M_FP1 (78.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(G130M_FP2 (78.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode.</p> <p>(Visit 78) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.</p> <p>(G130M_FP1 (78.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> <p>(G130M_FP2 (78.003)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details.</p> |
|--------------------|--|

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(152)</td> <td>HD-156668</td> <td>RA: 17 17 40.4905 (259.4187104d) Dec: +29 13 38.02 (29.22723d) Equinox: J2000</td> <td>Proper Motion RA: -71.16 mas/yr Proper Motion Dec: 217.36 mas/yr Parallax: 0.04086" Epoch of Position: 2000.0</td> <td>V=8.424</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Extended=NO</i></p> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (152) | HD-156668 | RA: 17 17 40.4905 (259.4187104d) Dec: +29 13 38.02 (29.22723d) Equinox: J2000 | Proper Motion RA: -71.16 mas/yr Proper Motion Dec: 217.36 mas/yr Parallax: 0.04086" Epoch of Position: 2000.0 | V=8.424 | Reference Frame: ICRS |
|----------------------|---|---|--|--------------------|--------------------------|--------|---------------|-------|-----------|---|--|---------|-----------------------|
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | |
| (152) | HD-156668 | RA: 17 17 40.4905 (259.4187104d) Dec: +29 13 38.02 (29.22723d) Equinox: J2000 | Proper Motion RA: -71.16 mas/yr Proper Motion Dec: 217.36 mas/yr Parallax: 0.04086" Epoch of Position: 2000.0 | V=8.424 | Reference Frame: ICRS | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|-------|
| | 1 | ACQ (COS.ta.848 849) | (152) HD-156668 | COS/NUV, ACQ/IMAGE, PSA | MIRRORB | | | | 20 Secs (20 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (152) HD-156668 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (152) HD-156668 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] |



Proposal 14633 - Visit 79 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

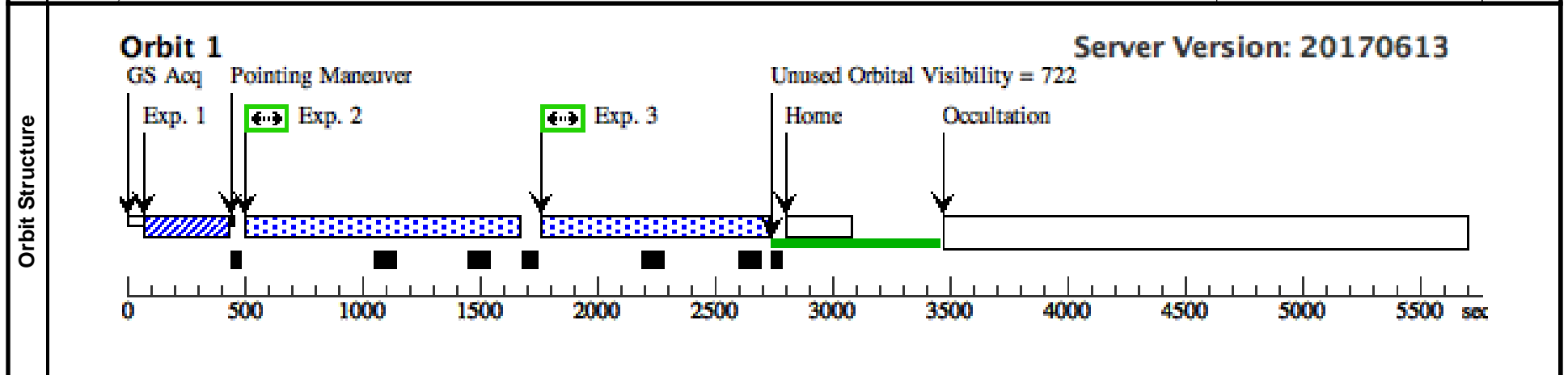
Thu Sep 21 19:01:38 GMT 2017

| | |
|--------------|---|
| Visit | Proposal 14633, Visit 79, scheduled Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) |
|--------------|---|

| | |
|--------------------|---|
| Diagnostics | (G130M_FP1 (79.002)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (G130M_FP2 (79.003)) Error (Form): LIFETIME-POS is required with G130M when not in Supported mode. |
| | (Visit 79) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. |
| | (G130M_FP1 (79.002)) Warning (Form): Defaults for SEGMENT have changed in APT25.2 for use of LP4 with G130M. See full description for details. |

| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(153)</td> <td>HIP-91258</td> <td>RA: 18 36 53.1542 (279.2214758d) Dec: +61 42 9.01 (61.70250d) Equinox: J2000</td> <td>Proper Motion RA: -39.3 mas/yr Proper Motion Dec: -232.77 mas/yr Parallax: 0.02226" Epoch of Position: 2000.0</td> <td>V=8.65</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (153) | HIP-91258 | RA: 18 36 53.1542 (279.2214758d) Dec: +61 42 9.01 (61.70250d) Equinox: J2000 | Proper Motion RA: -39.3 mas/yr Proper Motion Dec: -232.77 mas/yr Parallax: 0.02226" Epoch of Position: 2000.0 | V=8.65 | Reference Frame: ICRS |
|------------------------------|---|--|--|--------------------------|--------------------------|---------------|---------------|-------|-----------|--|--|--------|-----------------------|
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | |
| (153) | HIP-91258 | RA: 18 36 53.1542 (279.2214758d) Dec: +61 42 9.01 (61.70250d) Equinox: J2000 | Proper Motion RA: -39.3 mas/yr Proper Motion Dec: -232.77 mas/yr Parallax: 0.02226" Epoch of Position: 2000.0 | V=8.65 | Reference Frame: ICRS | | | | | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | | | | |

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|------------------|---|-----------------------------|-----------------|-------------------------|-----------------|----------------------------------|---------------|--------|---------------------------------|----------------------------|-----|
| | 1 | ACQ (COS.ta.848 850) | (153) HIP-91258 | COS/NUV, ACQ/IMAGE, PSA | MIRRORB | | | | | 20 Secs (20 Secs) [==>] | [1] |
| | 2 | G130M_FP 1 (COS.sp.820 740) | (153) HIP-91258 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3 | | | 1000 Secs (1000 Secs) [==>] | [1] | |
| | 3 | G130M_FP 2 (COS.sp.820 740) | (153) HIP-91258 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4 | | | 920 Secs (920 Secs) [==>] | [1] | |



Proposal 14633 - Visit 80 - A SNAP UV Spectroscopic Study of Star-Planet Interactions

Thu Sep 21 19:01:38 GMT 2017

| | | | | | | | | | | |
|------------------------------|---|--------------------------------------|---|---|----------------------|---|----------------------|---------------|--|--------------|
| Visit | Proposal 14633, Visit 80, pi Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) | | | | | | | | | |
| | (Visit 80) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (154) | HD-16760 | RA: 02 42 21.3110 (40.5887958d) Dec: +38 37 7.23 (38.61868d) Equinox: J2000 | Proper Motion RA: 79.2 mas/yr Proper Motion Dec: -107.49 mas/yr Parallax: 0.022" Epoch of Position: 2000.0 | V=8.765 | Reference Frame: ICRS | | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | ACQ-XD (COS.sa.848 860) | (154) HD-16760 | COS/NUV, ACQ/PEAKXD, PSA | G230L 2950 A | | | | 1 Secs (1 Secs) [==>] | [1] |
| | 2 | ACQ-D (COS.sa.848 860) | (154) HD-16760 | COS/NUV, ACQ/PEAKD, PSA | G230L 2950 A | NUM-POS=5; STEP-SIZE=0.9 | | | 1 Secs (1 Secs) [==>] | [1] |
| | 3 | G130M_FP 1 (COS.sp.820 740) | (154) HD-16760 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=3; LIFETIME-POS=L P3 | | | 1000 Secs (1000 Secs) [==>] | [1] |
| | 4 | G130M_FP 2 (COS.sp.820 740) | (154) HD-16760 | COS/FUV, TIME-TAG, PSA | G130M 1300 A | BUFFER-TIME=40 0; FP-POS=4; LIFETIME-POS=L P3 | | | 920 Secs (920 Secs) [==>] | [1] |

