



11599 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Cycle: 17, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Richard A. Wade (PI)	The Pennsylvania State University	wade@astro.psu.edu
Dr. Robin Ciardullo (CoI)	The Pennsylvania State University	rbc@astro.psu.edu
Dr. Howard E. Bond (CoI)	Space Telescope Science Institute	bond@stsci.edu

VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) PN-A66-31	WFC3/UVIS	1	29-Jun-2009 22:11:37.0	yes
02	(2) PN-A66-33	ACS/WFC	1	29-Jun-2009 22:11:44.0	yes
03	(3) PN-K1-14	WFC3/UVIS	1	29-Jun-2009 22:11:52.0	yes
04	(4) PN-K1-22	WFC3/UVIS	1	29-Jun-2009 22:11:56.0	yes
05	(5) PN-K1-27	WFC3/UVIS	1	29-Jun-2009 22:12:01.0	yes
06	(6) PN-MZ-2	WFC3/UVIS	1	29-Jun-2009 22:12:06.0	yes
07	(7) NGC1535	WFC3/UVIS	1	29-Jun-2009 22:12:20.0	yes
08	(8) NGC3132	WFC3/UVIS	1	29-Jun-2009 22:12:31.0	yes
09	(9) NGC7008	WFC3/UVIS	1	29-Jun-2009 22:12:39.0	yes
10	(10) PN-SP3	WFC3/UVIS	1	29-Jun-2009 22:12:49.0	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>
11	(11) PN-A66-7	WFC3/UVIS	1	29-Jun-2009 22:12:56.0	yes
12	(12) PN-A66-30	WFC3/UVIS	1	29-Jun-2009 22:13:06.0	yes
13	(13) PN-A66-63	WFC3/UVIS	1	29-Jun-2009 22:13:12.0	yes
14	(14) IC4637	ACS/WFC	1	29-Jun-2009 22:13:17.0	yes
15	(15) NGC2392	WFC3/UVIS	1	29-Jun-2009 22:13:32.0	yes
16	(16) NGC2610	WFC3/UVIS	1	29-Jun-2009 22:13:39.0	yes
17	(17) PN-A66-16	WFC3/UVIS	1	29-Jun-2009 22:13:43.0	yes
18	(18) NGC650-1	WFC3/UVIS	1	29-Jun-2009 22:13:45.0	yes
19	(19) NGC40	WFC3/UVIS	1	29-Jun-2009 22:13:52.0	yes
20	(20) PN-LO8	ACS/WFC	1	29-Jun-2009 22:14:00.0	yes
21	(21) 1RXSJ211707.9+341220	ACS/WFC	1	29-Jun-2009 22:14:05.0	yes
22	(22) PN-A66-66	ACS/WFC	1	29-Jun-2009 22:14:08.0	yes
23	(23) NGC2022	ACS/WFC	1	29-Jun-2009 22:14:11.0	yes
24	(24) NGC2371-2	ACS/WFC	1	29-Jun-2009 22:14:14.0	yes
25	(25) NGC6026	ACS/WFC	1	29-Jun-2009 22:14:19.0	yes
26	(26) PN-A66-61	ACS/WFC	1	29-Jun-2009 22:14:22.0	yes
27	(27) NGC6309	WFC3/UVIS	1	29-Jun-2009 22:14:26.0	yes
28	(28) NGC6804	WFC3/UVIS	1	29-Jun-2009 22:14:37.0	yes
29	(29) NGC5307	ACS/WFC	1	29-Jun-2009 22:14:42.0	yes
30	(30) PN-JNER1	ACS/WFC	1	29-Jun-2009 22:14:45.0	yes
31	(31) NGC6891	WFC3/UVIS	1	29-Jun-2009 22:14:52.0	yes
32	(32) PN-A66-72	ACS/WFC	1	29-Jun-2009 22:14:56.0	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>
33	(33) PN-A66-74	ACS/WFC	1	29-Jun-2009 22:14:59.0	yes
34	(34) EGB1	WFC3/UVIS	1	29-Jun-2009 22:15:02.0	yes
35	(35) HEN2-138	ACS/WFC	1	29-Jun-2009 22:15:11.0	yes
36	(36) IC289	ACS/WFC	1	29-Jun-2009 22:15:14.0	yes
37	(37) PN-A66-43	ACS/WFC	1	29-Jun-2009 22:15:19.0	yes
38	(38) PN-A66-65	ACS/WFC	1	29-Jun-2009 22:15:22.0	yes
39	(39) IC2448	ACS/WFC	1	29-Jun-2009 22:15:26.0	yes
40	(40) PN-M1-26	ACS/WFC	1	29-Jun-2009 22:15:30.0	yes
41	(41) PN-M2-9	WFC3/UVIS	1	29-Jun-2009 22:15:35.0	yes
42	(42) NGC1501	ACS/WFC	1	29-Jun-2009 22:15:43.0	yes
43	(43) NGC2452	WFC3/UVIS	1	29-Jun-2009 22:15:46.0	yes
44	(44) NGC2867	ACS/WFC	1	29-Jun-2009 22:15:50.0	yes
45	(45) NGC5882	ACS/WFC	1	29-Jun-2009 22:15:54.0	yes
46	(46) NGC6153	ACS/WFC	1	29-Jun-2009 22:15:59.0	yes
47	(47) NGC6905	ACS/WFC	1	29-Jun-2009 22:16:03.0	yes
48	(48) HFG1	ACS/WFC	1	29-Jun-2009 22:16:07.0	yes

48 Total Orbits Used

ABSTRACT

Reliable distances to individual planetary nebulae (PNe) in the Milky Way are needed to advance our understanding of their spatial distribution, birthrates, influence on Galactic chemistry, and the luminosities and evolutionary states of their central stars (CSPN). Few PNe have good distances, however. One of the best ways to remedy this problem is to find resolved physical companions to the CSPN and measure their distances by

photometric main-sequence fitting. We have previously used HST to identify and measure probable companions to 10 CSPN, based on angular separations and statistical arguments only. We now propose to use HST to re-observe 48 PNe from that program for which additional companions are possibly present. We then can use the added criterion of common proper motion to confirm our original candidate companions and identify new ones in cases that could not confidently be studied before. We will image the region around each CSPN in the V and I bands, and in some cases in the B band. Field stars that appear close to the CSPN by chance will be revealed by their relative proper motion during the 13+ years since our original survey, leaving only genuine physical companions in our improved and enlarged sample. This study will increase the number of Galactic PNe with reliable distances by 50 percent and improve the distances to PNe with previously known companions.

OBSERVING DESCRIPTION

We will find reliable distances to planetary nebulae (PN) by using the technique of photometric parallax applied to resolved physical companions. Earlier studies by our group gave first-epoch images of the targets in the I and V bands. We will now obtain second-epoch images in I, V, and B of some of these same targets, using the ACS/WFC and the WFC3/UVIS. We will obtain I and V images for all targets, and B band images for those where time permits, especially if we determined a neighboring star to be a "probable" or "possible" companion in our previous study. Previous companions that were judged to be physical based only on angular separation will now be confirmed based on a common proper motion (cpm) with the PN nucleus (PNN). Additional physical companions not identified earlier from angular separation will now be identified based on cpm, or from the superior dynamic range of ACS/WFC and WFC3 compared with WFPC2. Photometry of V, V-I, and B-V will be used to determine the distance to the companion (and hence to the PNN) by main-sequence fitting. The B-V color will help to constrain the metallicity of the star and select the correct main sequence relation between V and V-I. Reddening can be obtained from the nebular emission line ratios.

All of our targets have been observed by HST in programs 4308 and 6119 and are included here deliberately, to be reobserved, as described above. Any additional images of the PN nucleus that may have been made in the interim, through the same filters, and to a similar limiting magnitude, are still less useful than our new observations, as we require as long an interval of time as possible since our first-epoch observations.

REAL TIME JUSTIFICATION

N/A

CALIBRATION JUSTIFICATION

N/A

Proposal 11599 - Visit 01 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

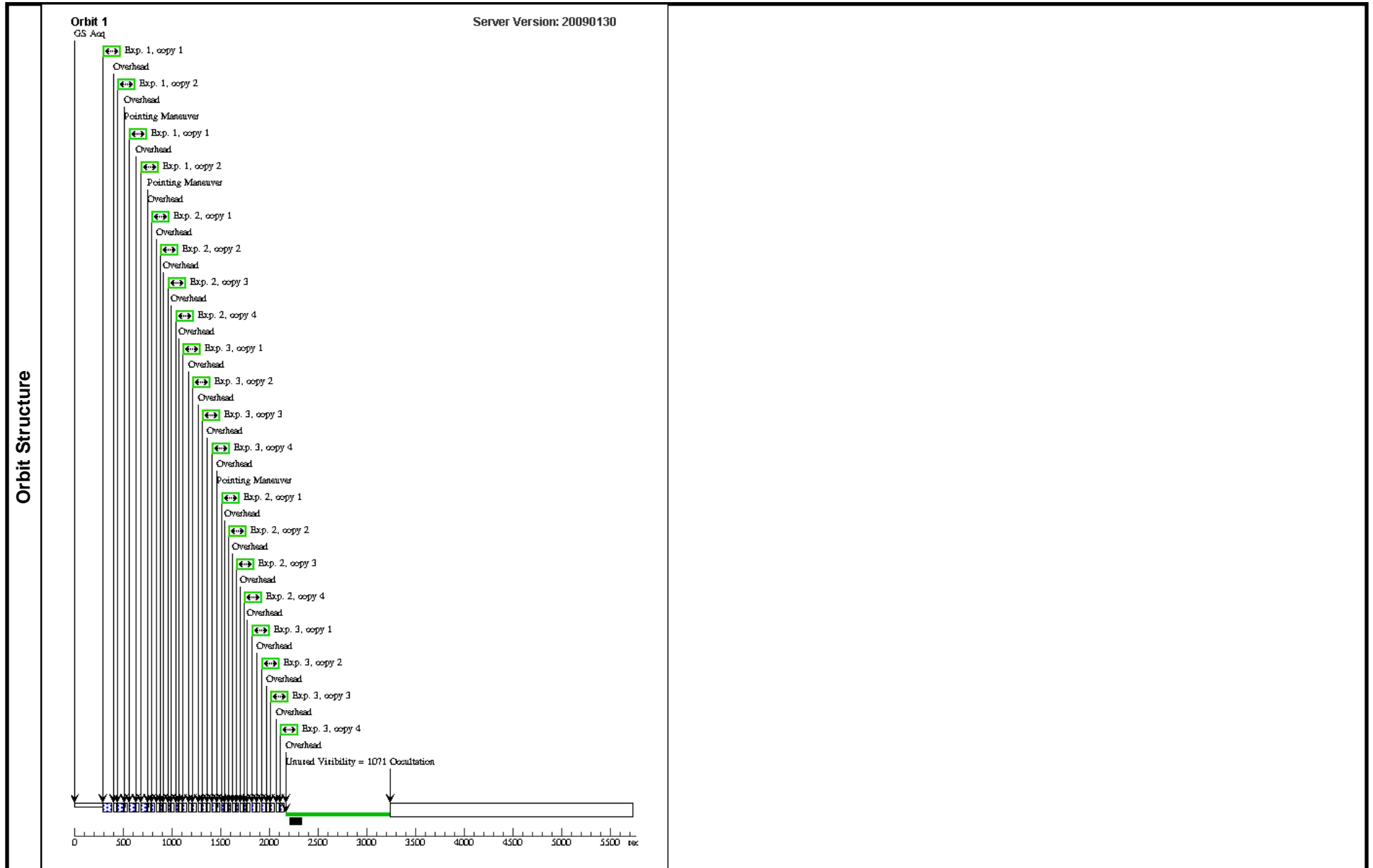
Tue Jun 30 02:16:10 GMT 2009

Visit	Proposal 11599, Visit 01, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
(2)		Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1), (2-3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(1)	PN-A66-31	RA: 08 54 13.2000 (133.5550000d) Dec: +08 53 53.10 (8.89808d) Equinox: J2000				V=15.53+/-0.1	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) PN-A66-31	(1) PN-A66-31	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	60 Secs X 2	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]
2	(1) PN-A66-31	(1) PN-A66-31	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-3 (2)	20 Secs X 4		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]	

Proposal 11599 - Visit 01 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(1) PN-A66-31	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-3 (2)	40 Secs X 4 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]

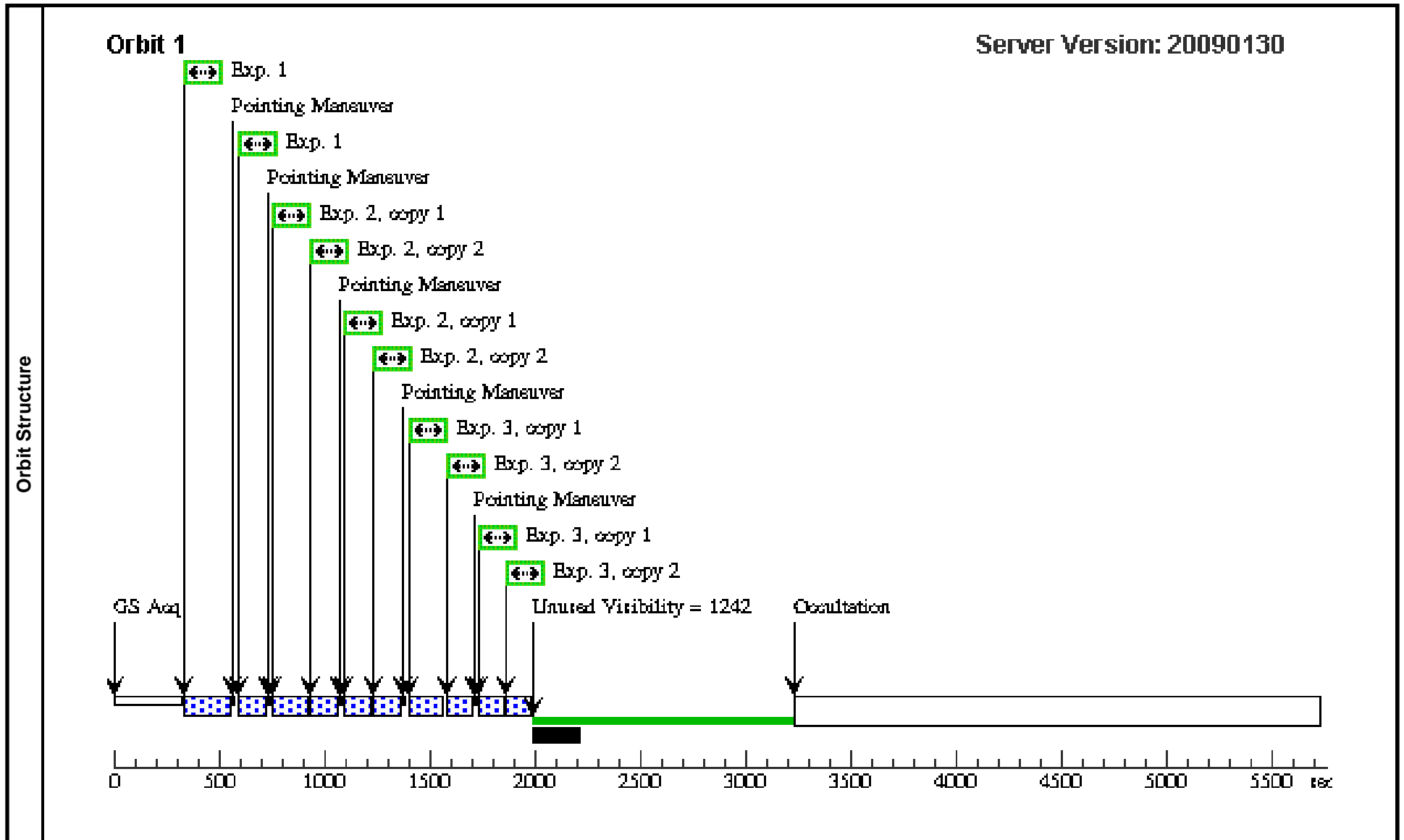
Proposal 11599 - Visit 01 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions



Proposal 11599 - Visit 02 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:12 GMT 2009

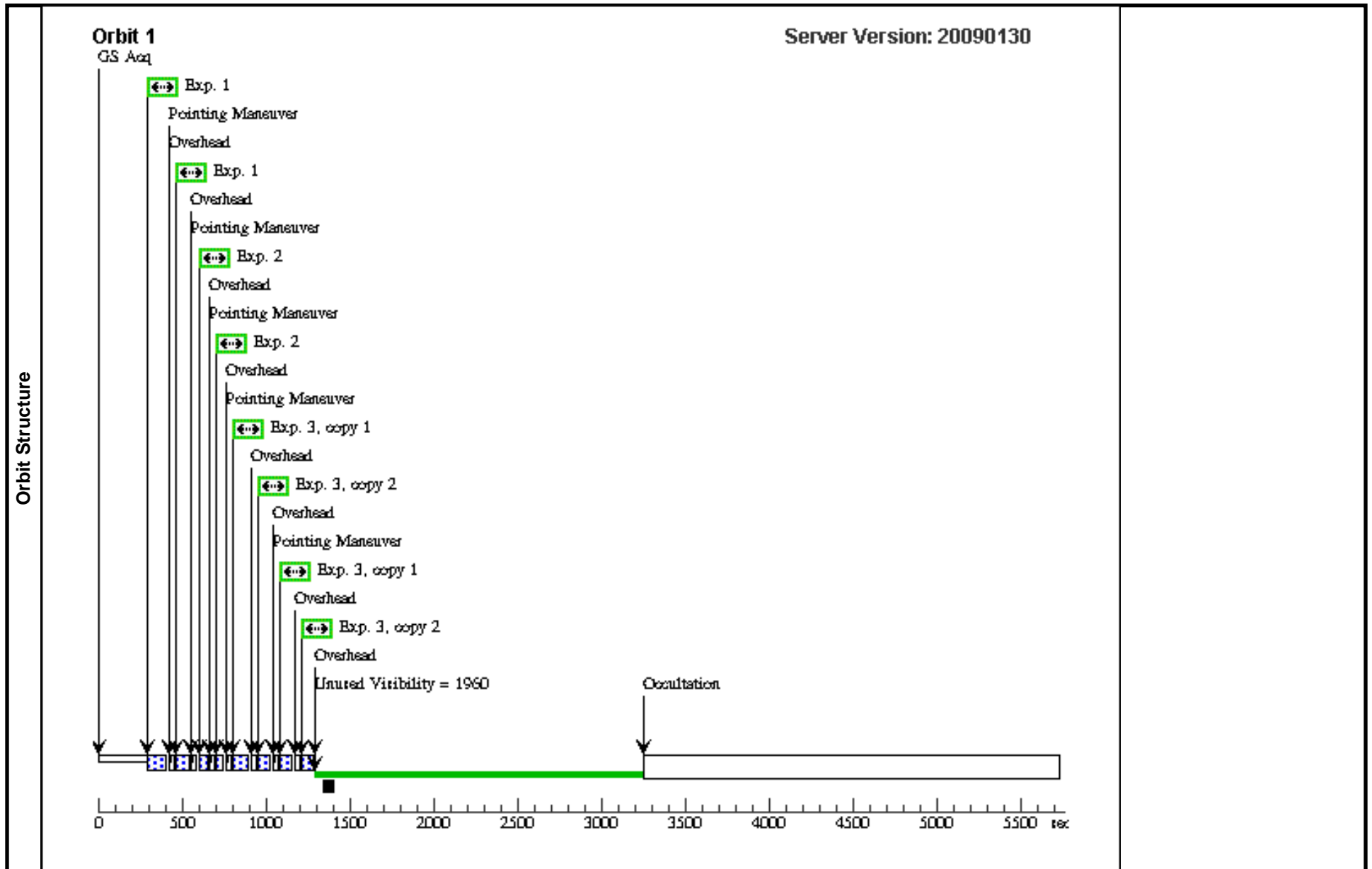
Visit	Proposal 11599, Visit 02, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false			(1), (2), (3)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(2)	PN-A66-33	RA: 09 39 9.1400 (144.7880833d) Dec: -02 48 31.40 (-2.80872d) Equinox: J2000			V=16.03+/-0.1	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) PN-A66-33	(2) PN-A66-33	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	30 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	(2) PN-A66-33	(2) PN-A66-33	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	30 Secs X 2	
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	
3	(2) PN-A66-33	(2) PN-A66-33	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 3-3 (3)	20 Secs X 2		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	



Proposal 11599 - Visit 03 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:13 GMT 2009

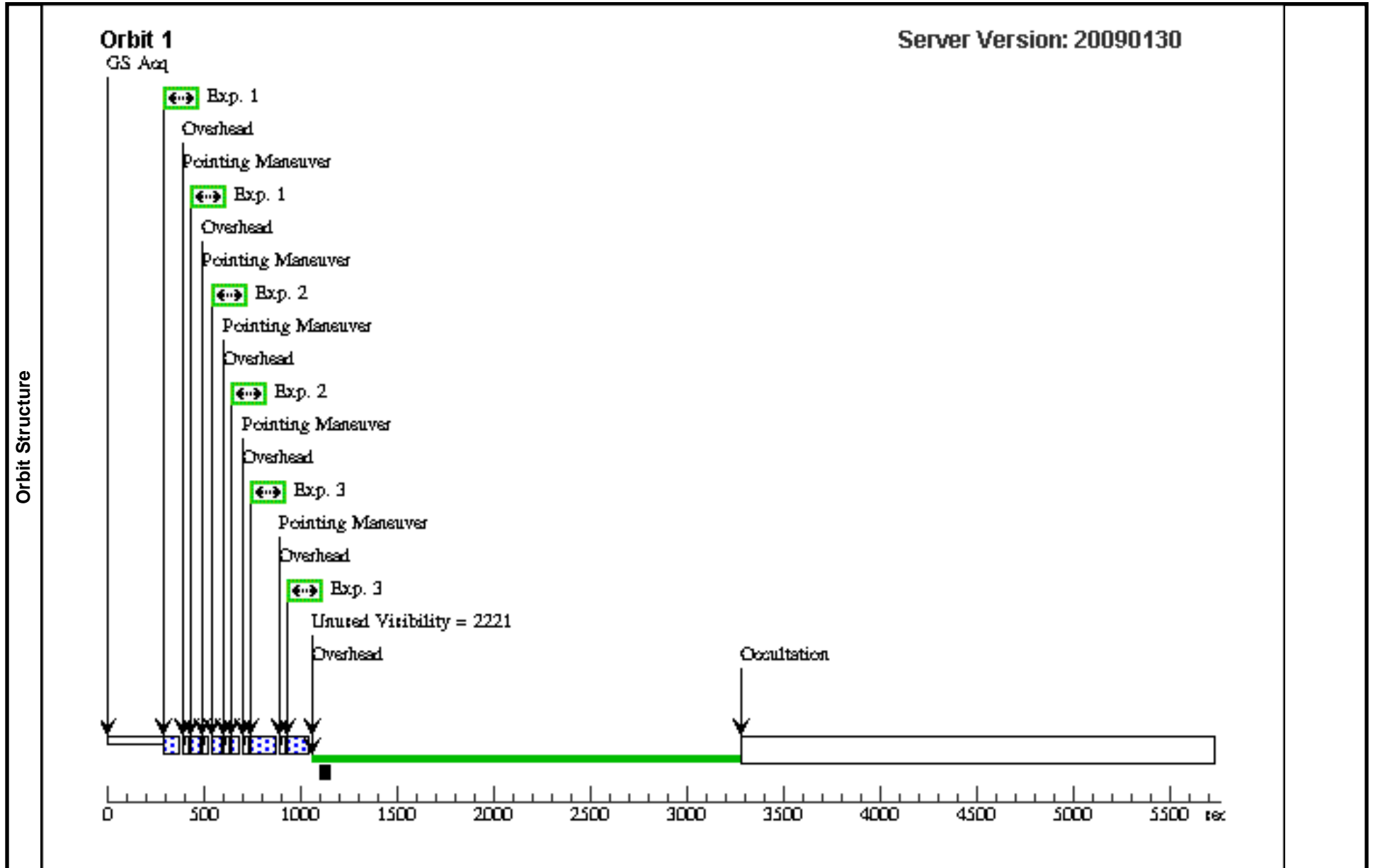
Visit	Proposal 11599, Visit 03, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(2)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1), (2), (3)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(3)	PN-K1-14	RA: 17 42 36.7300 (265.6530417d) Dec: +21 27 1.90 (21.45053d) Equinox: J2000			V=16.21+/-0.1	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(3) PN-K1-14	(3) PN-K1-14	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	80 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	(3) PN-K1-14	(3) PN-K1-14	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	40 Secs	
								[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
3	(3) PN-K1-14	(3) PN-K1-14	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	70 Secs X 2		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	



Proposal 11599 - Visit 04 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:13 GMT 2009

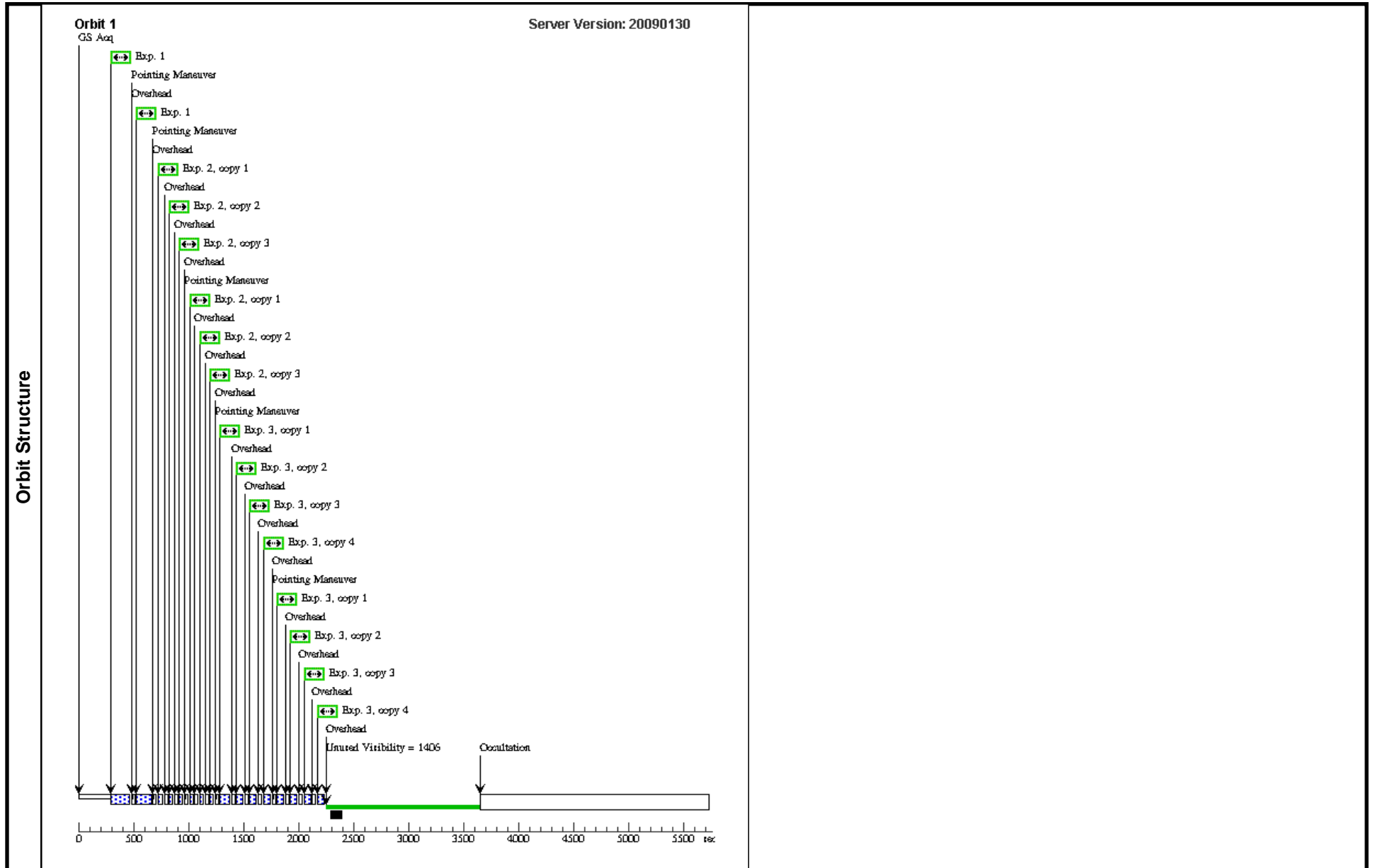
Visit	Proposal 11599, Visit 04, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(2)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(1), (2), (3)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(4)	PN-K1-22	RA: 11 26 43.7900 (171.6824583d) Dec: -34 22 11.40 (-34.36983d) Equinox: J2000			V=16.83+/-0.1	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(4) PN-K1-22	(4) PN-K1-22	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	50 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	(4) PN-K1-22	(4) PN-K1-22	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	40 Secs	
								[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
3	(4) PN-K1-22	(4) PN-K1-22	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	110 Secs		
								[==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 11599 - Visit 05 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:13 GMT 2009

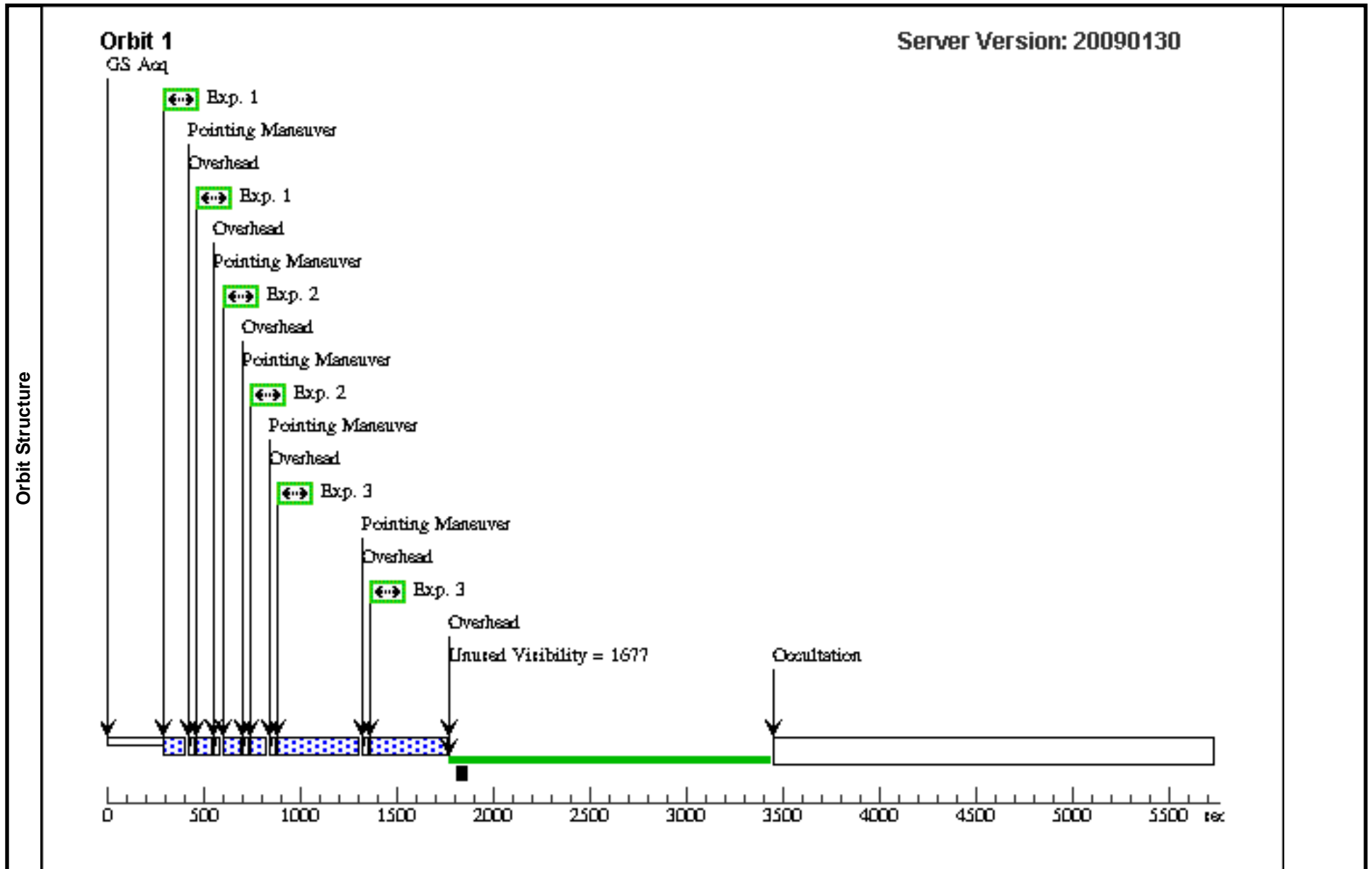
Visit	Proposal 11599, Visit 05, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	# Primary Pattern (2) Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	Secondary Pattern Exposures (1), (2), (3)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	PN-K1-27	RA: 05 57 2.5400 (89.2605833d) Dec: -75 40 22.50 (-75.67292d) Equinox: J2000		V=16.13+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(5) PN-K1-27	(5) PN-K1-27	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	140 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	(5) PN-K1-27	(5) PN-K1-27	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	35 Secs X 3 [=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 1, Copy 3)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)] [=>(Pattern 2, Copy 3)]	[1]
	3	(5) PN-K1-27	(5) PN-K1-27	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	65 Secs X 4 [=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 1, Copy 3)] [=>(Pattern 1, Copy 4)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)] [=>(Pattern 2, Copy 3)] [=>(Pattern 2, Copy 4)]	[1]



Proposal 11599 - Visit 06 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:14 GMT 2009

Visit	Proposal 11599, Visit 06, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(2)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1), (2), (3)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(6)	PN-MZ-2	RA: 16 14 32.4600 (243.6352500d) Dec: -54 57 4.20 (-54.95117d) Equinox: J2000			V=18.32+/-0.1	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(6) PN-MZ-2	(6) PN-MZ-2	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	80 Secs	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
2	(6) PN-MZ-2	(6) PN-MZ-2	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	80 Secs		
								[==>(Pattern 1)]	[1]	
								[==>(Pattern 2)]		
3	(6) PN-MZ-2	(6) PN-MZ-2	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	400 Secs		
								[==>(Pattern 1)]	[1]	
								[==>(Pattern 2)]		



Proposal 11599 - Visit 07 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:14 GMT 2009

Visit	Proposal 11599, Visit 07, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(1), (2), (3)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(7)	NGC1535	RA: 04 14 15.8000 (63.5658333d) Dec: -12 44 22.10 (-12.73947d) Equinox: J2000			V=12.11+/-0.1	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(7) NGC1535	(7) NGC1535	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO			Pattern 2, Exps 1-1 (2) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	3.5 Secs X 2 [1]
2	(7) NGC1535	(7) NGC1535	(7) NGC1535	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 1, Copy 5)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 2, Copy 5)]	0.8 Secs X 5 [1]	

Proposal 11599 - Visit 07 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
3	(7) NGC1535	(7) NGC1535	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	1.5 Secs X 10	
Exposures (continued)	<i>[=>(Pattern 1, Copy 1)]</i>								
	<i>[=>(Pattern 1, Copy 2)]</i>								
	<i>[=>(Pattern 1, Copy 3)]</i>								
	<i>[=>(Pattern 1, Copy 4)]</i>								
	<i>[=>(Pattern 1, Copy 5)]</i>								
	<i>[=>(Pattern 1, Copy 6)]</i>								
	<i>[=>(Pattern 1, Copy 7)]</i>								
	<i>[=>(Pattern 1, Copy 8)]</i>								
	<i>[=>(Pattern 1, Copy 9)]</i>								
	<i>[=>(Pattern 1, Copy 10)]</i>								
<i>[=>(Pattern 2, Copy 1)]</i>								[1]	
<i>[=>(Pattern 2, Copy 2)]</i>									
<i>[=>(Pattern 2, Copy 3)]</i>									
<i>[=>(Pattern 2, Copy 4)]</i>									
<i>[=>(Pattern 2, Copy 5)]</i>									
<i>[=>(Pattern 2, Copy 6)]</i>									
<i>[=>(Pattern 2, Copy 7)]</i>									
<i>[=>(Pattern 2, Copy 8)]</i>									
<i>[=>(Pattern 2, Copy 9)]</i>									
<i>[=>(Pattern 2, Copy 10)]</i>									

Proposal 11599 - Visit 08 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

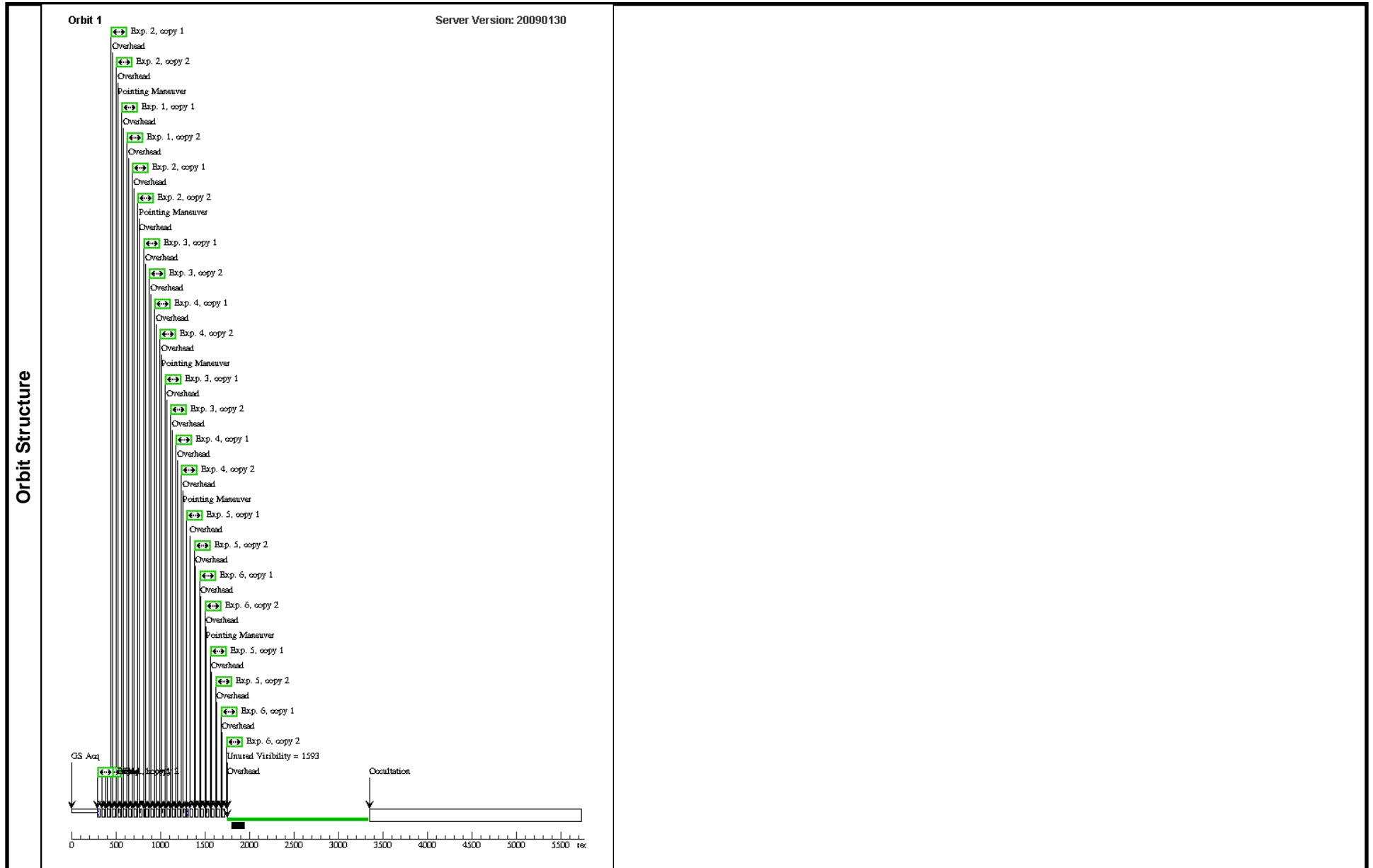
Tue Jun 30 02:16:15 GMT 2009

Visit	Proposal 11599, Visit 08, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
(2)		Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-2), (3-4), (5-6)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(8)	NGC3132	RA: 10 07 1.7200 (151.7571667d) Dec: -40 26 11.20 (-40.43644d) Equinox: J2000				V=15.76+/-0.1	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(8) NGC3132	(8) NGC3132	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-2 (2)	0.5 Secs X 2	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]
	2	(8) NGC3132	(8) NGC3132	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-2 (2)	4 Secs X 2	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]
3	(8) NGC3132	(8) NGC3132	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 3-4 (2)	0.5 Secs X 2		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	
4	(8) NGC3132	(8) NGC3132	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 3-4 (2)	3 Secs X 2		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	

Proposal 11599 - Visit 08 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	5	(8) NGC3132	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO	Pattern 2, Exps 5-6 (2)	0.5 Secs X 2 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]		
6	(8) NGC3132	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO	Pattern 2, Exps 5-6 (2)	3 Secs X 2 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]			

Proposal 11599 - Visit 08 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

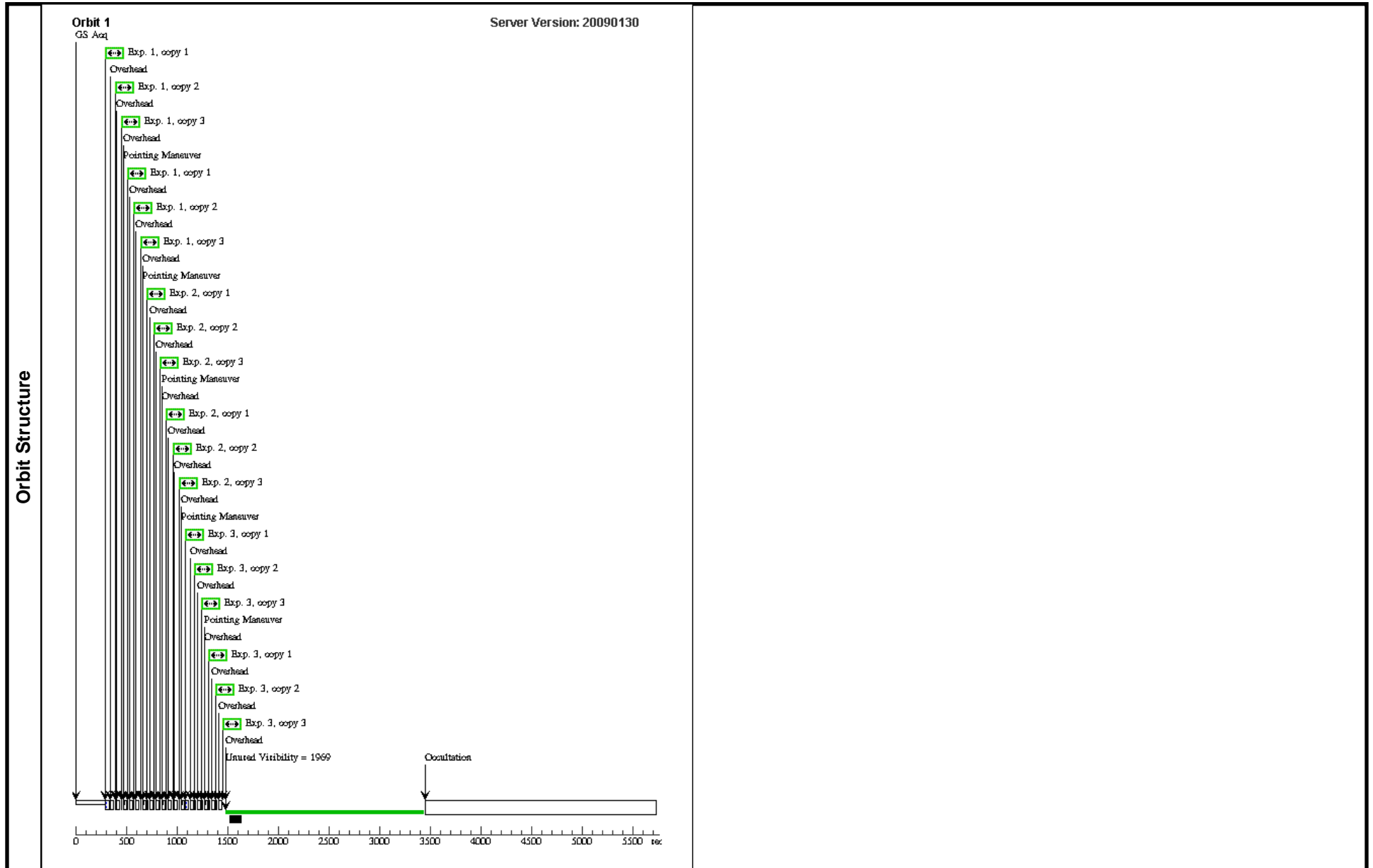


Proposal 11599 - Visit 09 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:17 GMT 2009

Visit	Proposal 11599, Visit 09, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1), (2), (3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	NGC7008	RA: 21 00 32.7800 (315.1365833d) Dec: +54 32 35.60 (54.54322d) Equinox: J2000		V=13.9+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(9) NGC7008	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	5 Secs X 3 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]
	2		(9) NGC7008	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	4 Secs X 3 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]
	3		(9) NGC7008	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	12 Secs X 3 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]

Proposal 11599 - Visit 09 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions



Proposal 11599 - Visit 10 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

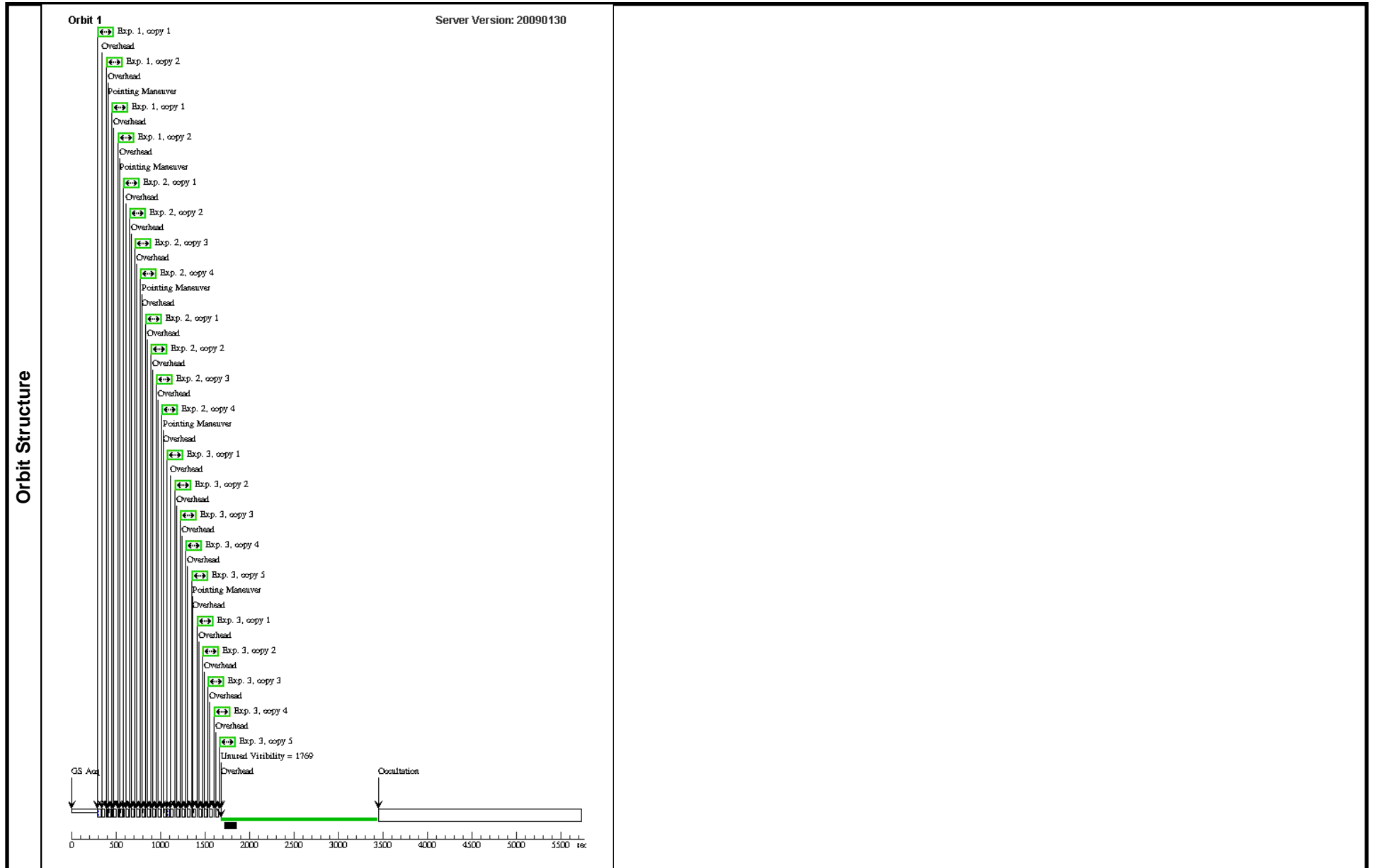
Tue Jun 30 02:16:17 GMT 2009

Visit	Proposal 11599, Visit 10, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)								
	Patterns	# Primary Pattern (2) Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	Secondary Pattern	Exposures (1), (2), (3)				
Fixed Targets	# Name (10) PN-SP3	Target Coordinates RA: 18 07 15.8000 (271.8158333d) Dec: -51 01 9.60 (-51.01933d) Equinox: J2000	Targ. Coord. Corrections	Fluxes V=13.20+/-0.1	Miscellaneous Reference Frame: ICRS				
Exposures	# Label 1 (10) PN-SP3	Target (10) PN-SP3	Config,Mode,Aperture WFC3/UVIS, ACCUM, UVIS1-M512-SUB	Spectral Els. F814W	Opt. Params. CR-SPLIT=NO	Special Reqs.	Groups Pattern 2, Exps 1-1 (2)	Exp. Time/[Actual Dur.] 7 Secs X 2 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	Orbit [1]
	2 (10) PN-SP3	(10) PN-SP3	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	2 Secs X 4 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]

Proposal 11599 - Visit 10 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3	(10) PN-SP3	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO	Pattern 2, Exps 3-3 (2)	5 Secs X 5	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 1, Copy 5)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 2, Copy 5)]	[1]	

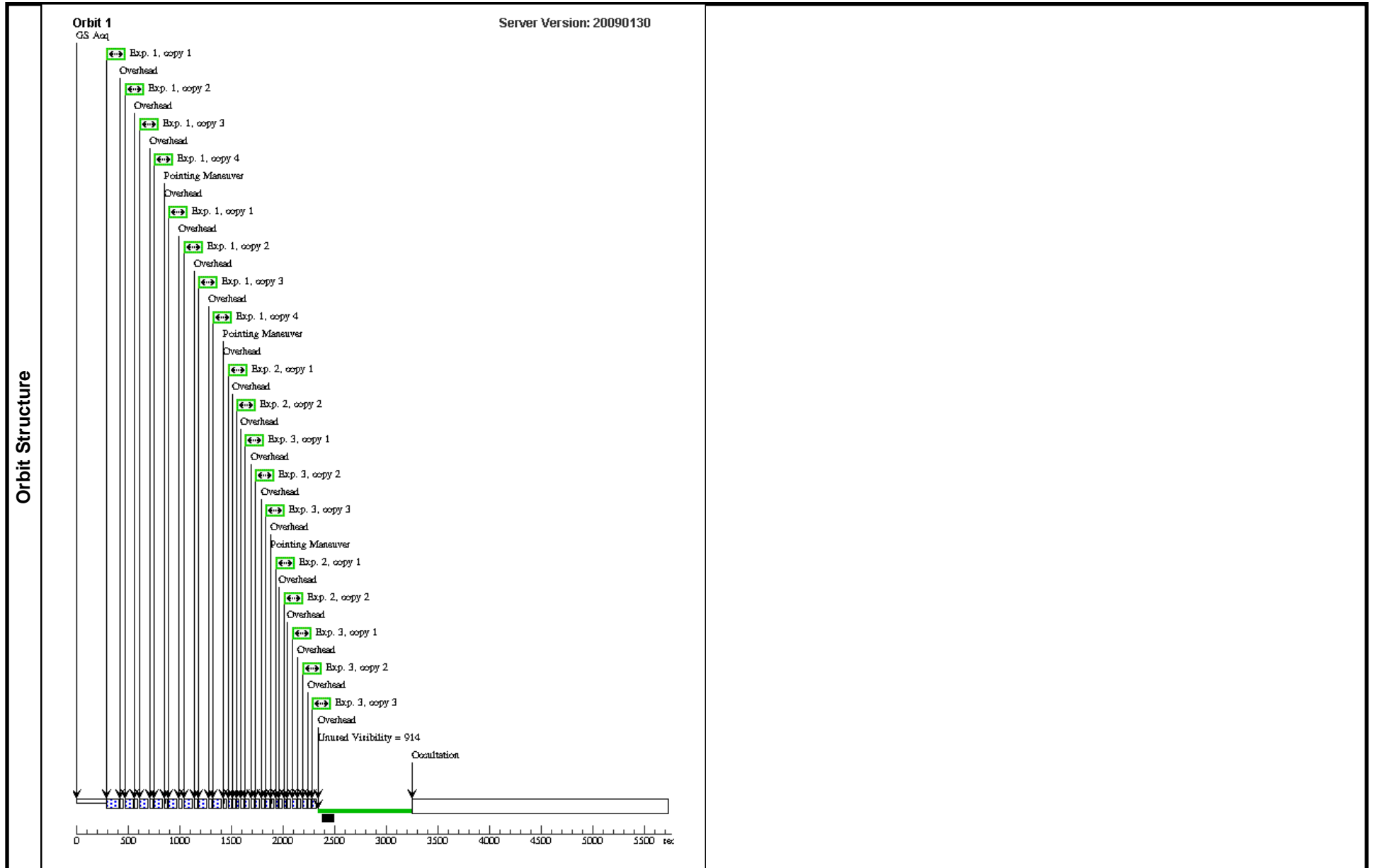
Proposal 11599 - Visit 10 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions



Proposal 11599 - Visit 11 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:18 GMT 2009

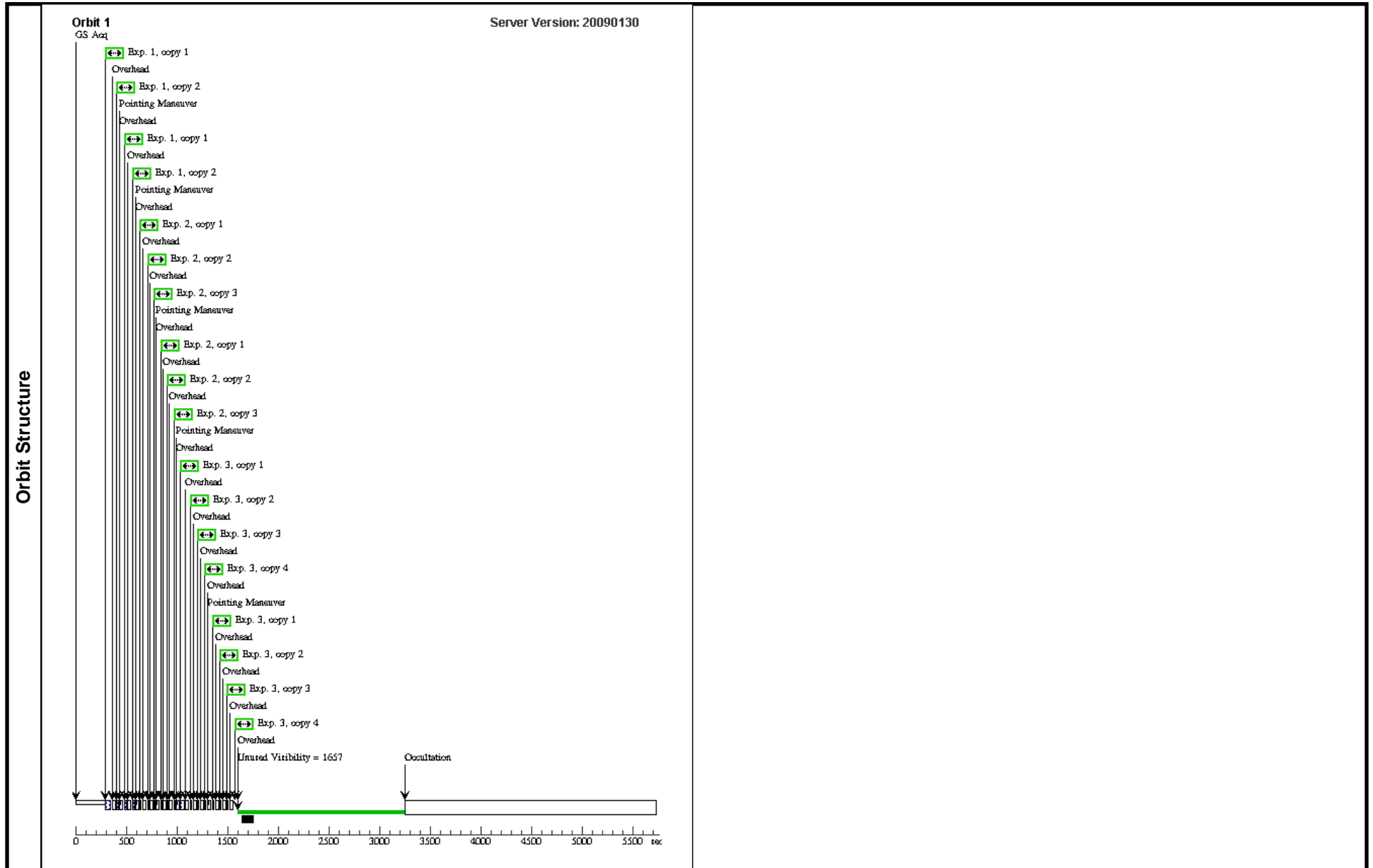
Visit	Proposal 11599, Visit 11, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1), (2-3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	PN-A66-7	RA: 05 03 7.4800 (75.7811667d) Dec: -15 36 23.30 (-15.60647d) Equinox: J2000		V=15.58+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(11) PN-A66-7	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	85 Secs X 4	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]
	2		(11) PN-A66-7	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-3 (2)	22 Secs X 2	
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	
3		(11) PN-A66-7	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-3 (2)	40 Secs X 3		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]	



Proposal 11599 - Visit 12 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:18 GMT 2009

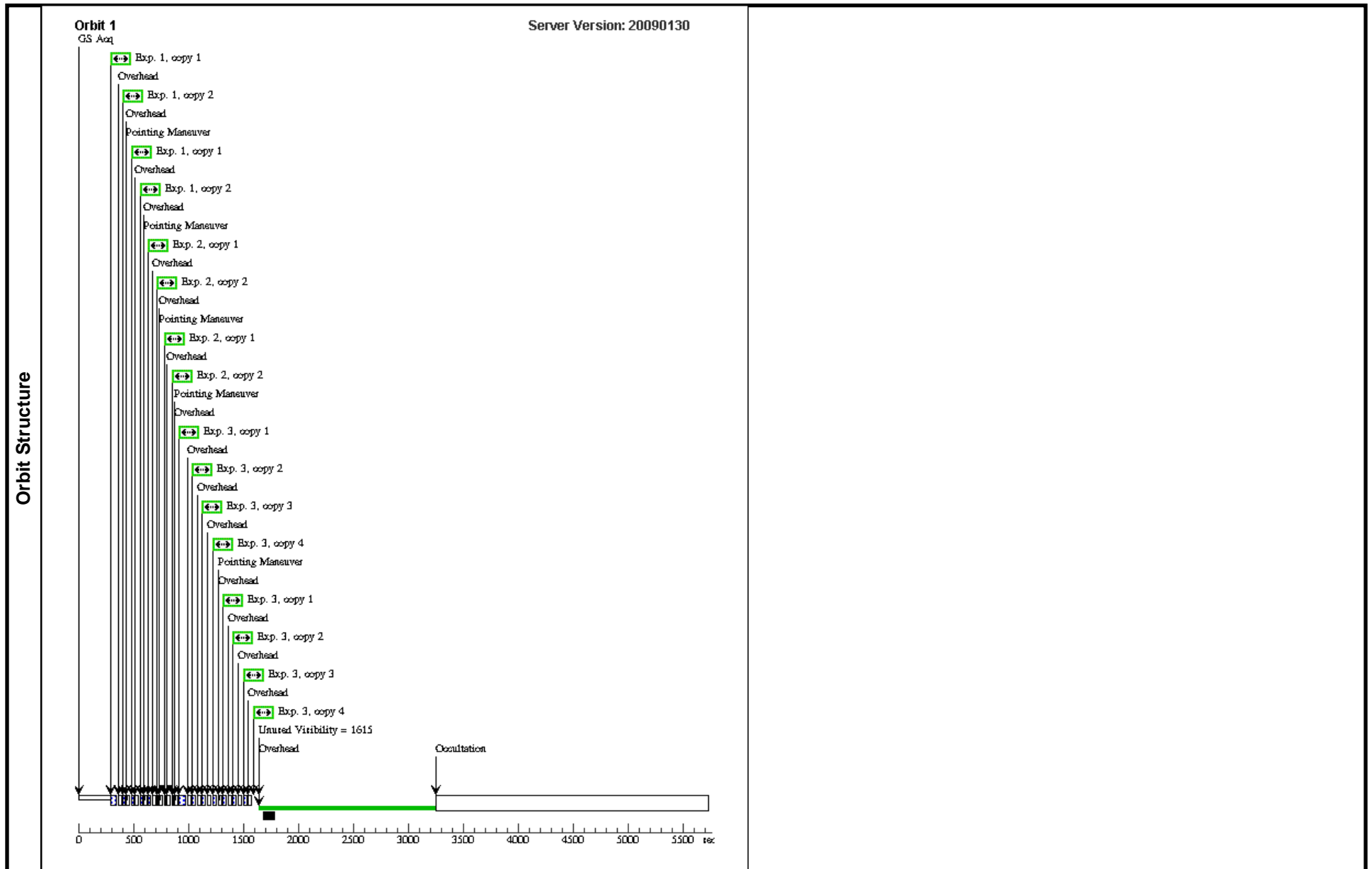
Visit	Proposal 11599, Visit 12, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)								
	Patterns	# Primary Pattern (2) Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=46.84 Number Of Points=2 Angle Between Sides= Point Spacing=0.145 Center Pattern=false Line Spacing=	Secondary Pattern	Exposures (1), (2), (3)					
Fixed Targets	# Name (12) PN-A66-30	Target Coordinates RA: 08 46 53.3200 (131.7221667d) Dec: +17 52 46.11 (17.87948d) Equinox: J2000	Targ. Coord. Corrections	Fluxes V=14.38+/-0.1	Miscellaneous Reference Frame: ICRS				
Exposures	# Label 1 (12) PN-A66-30	Target (12) PN-A66-30	Config,Mode,Aperture WFC3/UVIS, ACCUM, UVIS1-M512-SUB	Spectral Els. F814W	Opt. Params. CR-SPLIT=NO	Special Reqs.	Groups Pattern 2, Exps 1-1 (2)	Exp. Time/[Actual Dur.] 20 Secs X 2 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	Orbit [1]
	2 (12) PN-A66-30	(12) PN-A66-30	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	7 Secs X 3 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]
	3 (12) PN-A66-30	(12) PN-A66-30	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	15 Secs X 4 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]



Proposal 11599 - Visit 13 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:19 GMT 2009

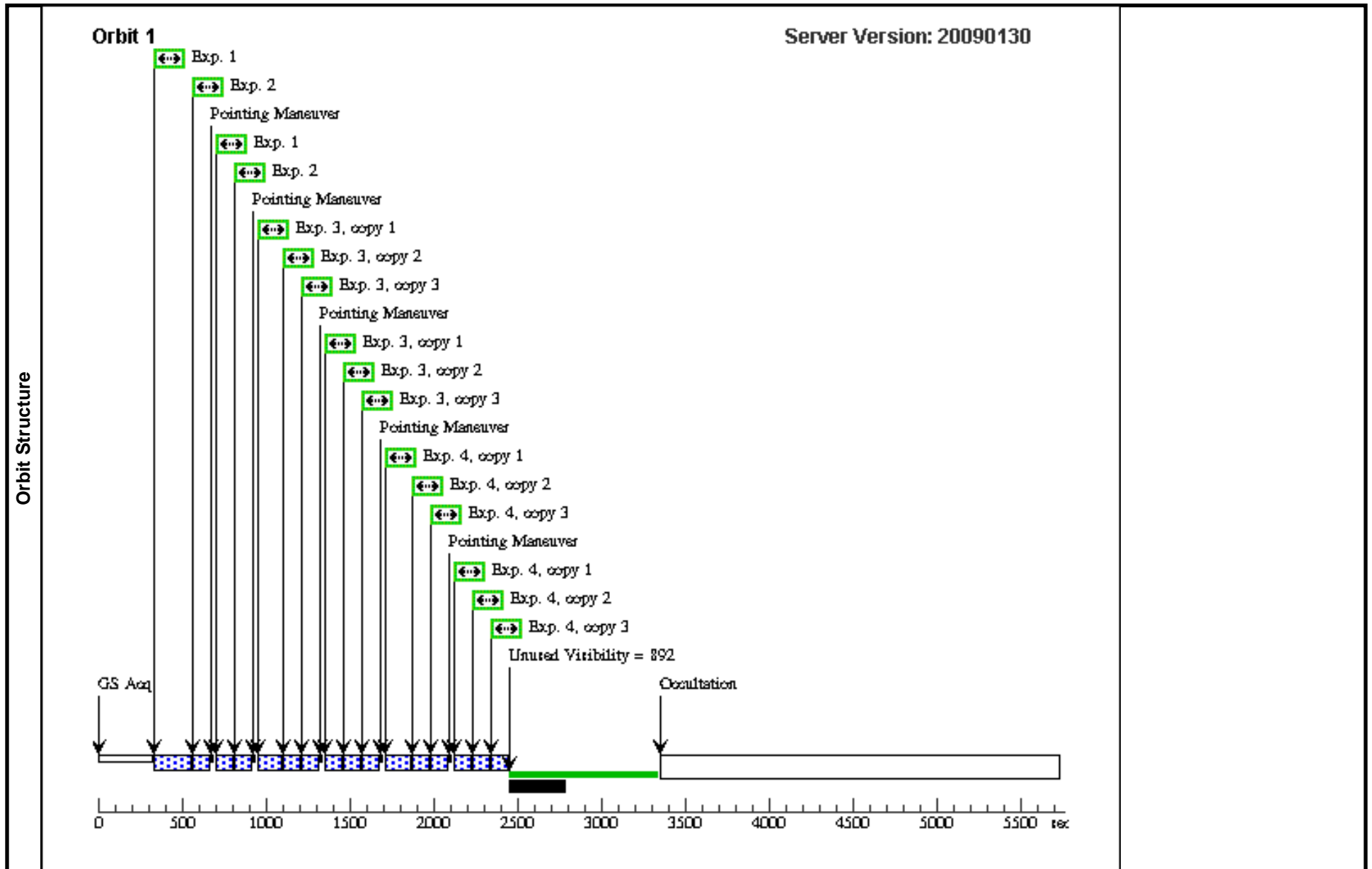
Visit	Proposal 11599, Visit 13, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			
(2)		Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1), (2), (3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(13)	PN-A66-63	RA: 19 42 10.3200 (295.5430000d) Dec: +17 05 14.31 (17.08731d) Equinox: J2000				V=15.14+/-0.1		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(13) PN-A66-63	(13) PN-A66-63	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	20 Secs X 2	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]
	2	(13) PN-A66-63	(13) PN-A66-63	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	10 Secs X 2	
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	
3	(13) PN-A66-63	(13) PN-A66-63	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	35 Secs X 4		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]	



Proposal 11599 - Visit 14 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:19 GMT 2009

Visit	Proposal 11599, Visit 14, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1-2), (3), (4)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(14)	IC4637	RA: 17 05 10.5500 (256.2939583d) Dec: -40 53 8.70 (-40.88575d) Equinox: J2000		V=12.70+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(14) IC4637	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-2 (3)	0.5 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(14) IC4637	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-2 (3)	2 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(14) IC4637	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 3-3 (3)	1.5 Secs X 3 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]
	4		(14) IC4637	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 4-4 (3)	3 Secs X 3 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]



Proposal 11599 - Visit 15 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

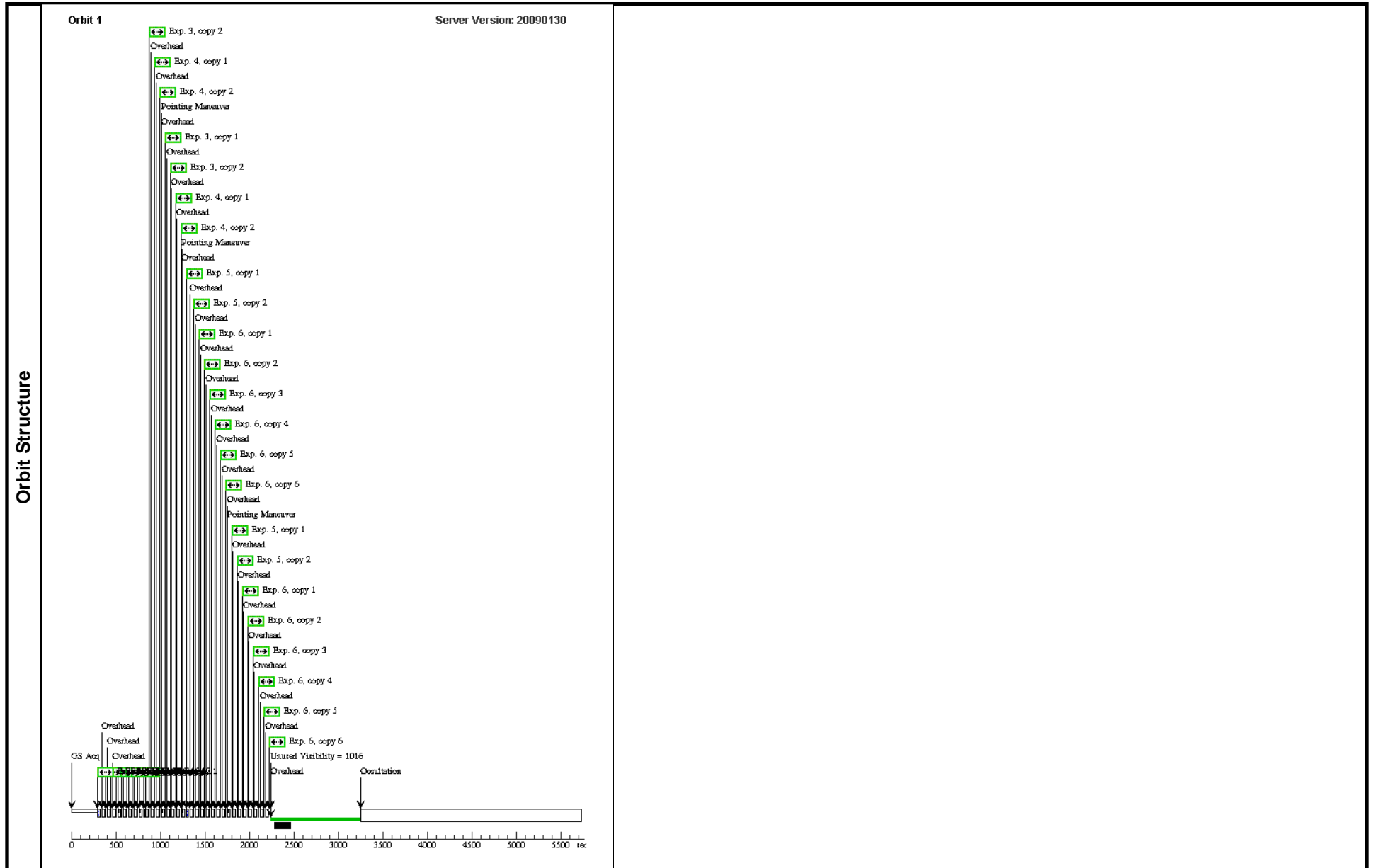
Tue Jun 30 02:16:20 GMT 2009

Visit	Proposal 11599, Visit 15, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(15)	NGC2392	RA: 07 29 10.7400 (112.2947500d) Dec: +20 54 42.40 (20.91178d) Equinox: J2000		V=10.63+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(15) NGC2392	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-2 (2)	0.5 Secs X 2	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]
	2		(15) NGC2392	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-2 (2)	4 Secs X 2	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]
3		(15) NGC2392	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 3-4 (2)	0.5 Secs X 2		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	
4		(15) NGC2392	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 3-4 (2)	1 Secs X 2		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	

Proposal 11599 - Visit 15 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	5	(15) NGC2392	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 5-6 (2)	2 Secs X 2 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]
	6	(15) NGC2392	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 5-6 (2)	3 Secs X 6 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 1, Copy 5)] [==>(Pattern 1, Copy 6)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 2, Copy 5)] [==>(Pattern 2, Copy 6)]	[1]

Proposal 11599 - Visit 15 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions



Proposal 11599 - Visit 16 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

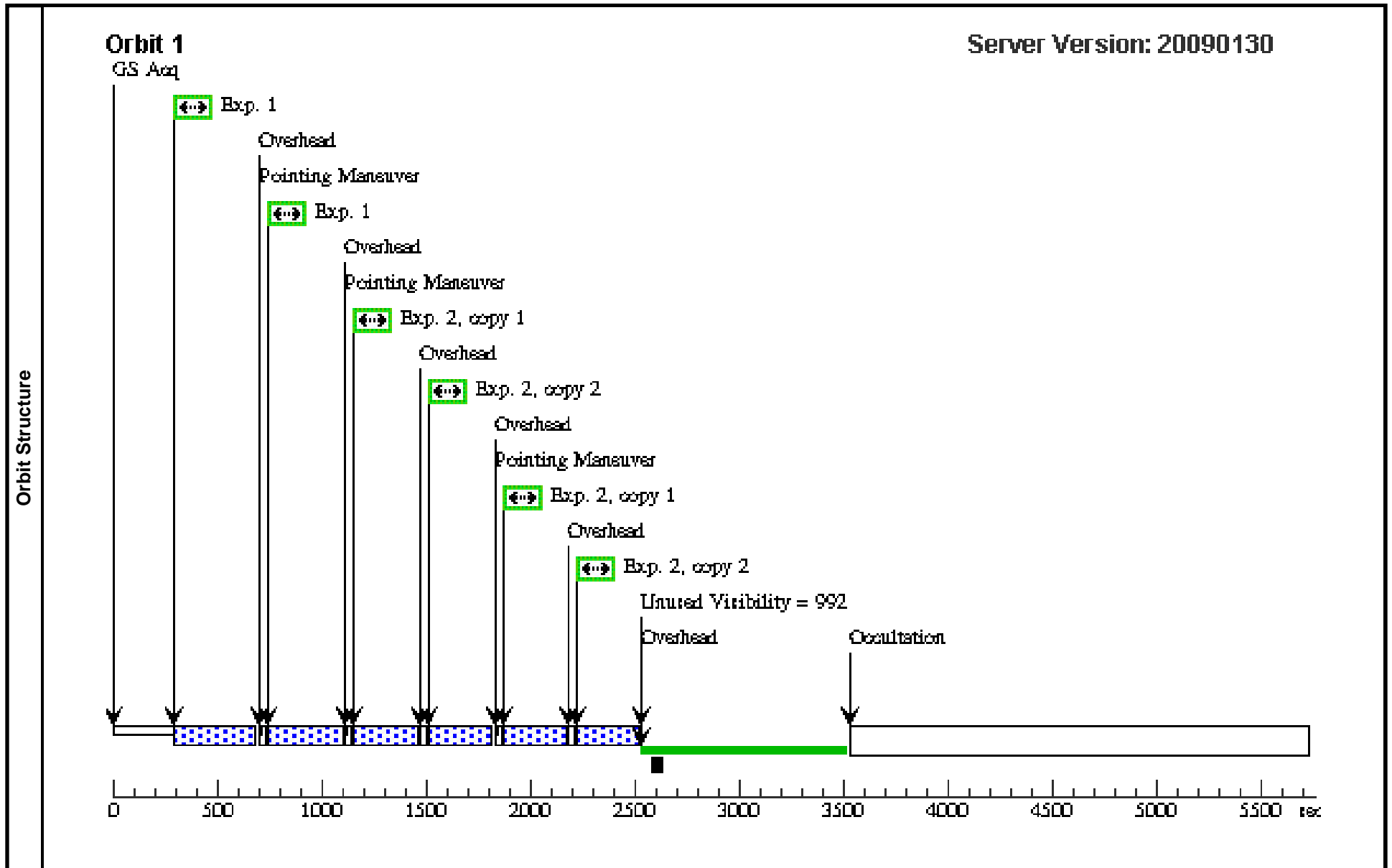
Tue Jun 30 02:16:20 GMT 2009

Visit	Proposal 11599, Visit 16, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			
(2)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1), (2-3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(16)	NGC2610	RA: 08 33 23.3600 (128.3473333d) Dec: -16 08 57.20 (-16.14922d) Equinox: J2000				V=15.97+/-0.1	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(16) NGC2610	(16) NGC2610	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	120 Secs X 2	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]
	2	(16) NGC2610	(16) NGC2610	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-3 (2)	30 Secs X 3	
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]	
3	(16) NGC2610	(16) NGC2610	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-3 (2)	60 Secs X 3		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]	

Proposal 11599 - Visit 17 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:21 GMT 2009

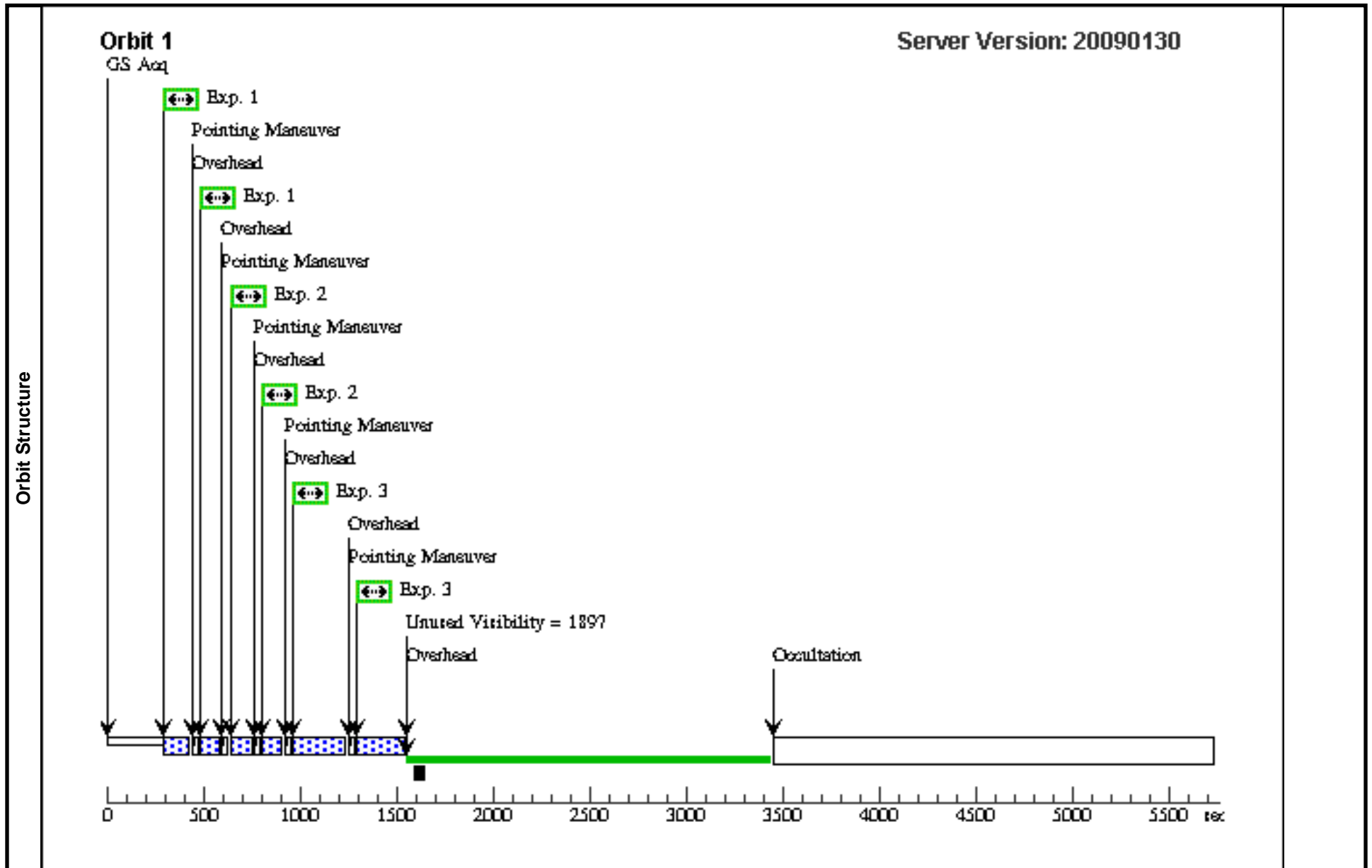
Visit	Proposal 11599, Visit 17, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(2)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1), (2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(17)	PN-A66-16	RA: 06 43 55.3400 (100.9805833d) Dec: +61 47 25.90 (61.79053d) Equinox: J2000			V=18.70+/-0.1	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(17) PN-A66-16	(17) PN-A66-16	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	360 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
2	(17) PN-A66-16	(17) PN-A66-16	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	300 Secs X 2		
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]



Proposal 11599 - Visit 18 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:21 GMT 2009

Visit	Proposal 11599, Visit 18, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(2)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1), (2), (3)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(18)	NGC650-1	RA: 01 42 19.6600 (25.5819167d) Dec: +51 34 32.80 (51.57578d) Equinox: J2000			V=17.57+/-0.1	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(18) NGC650-1	(18) NGC650-1	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	100 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	(18) NGC650-1	(18) NGC650-1	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	100 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	3	(18) NGC650-1	(18) NGC650-1	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	250 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 11599 - Visit 19 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

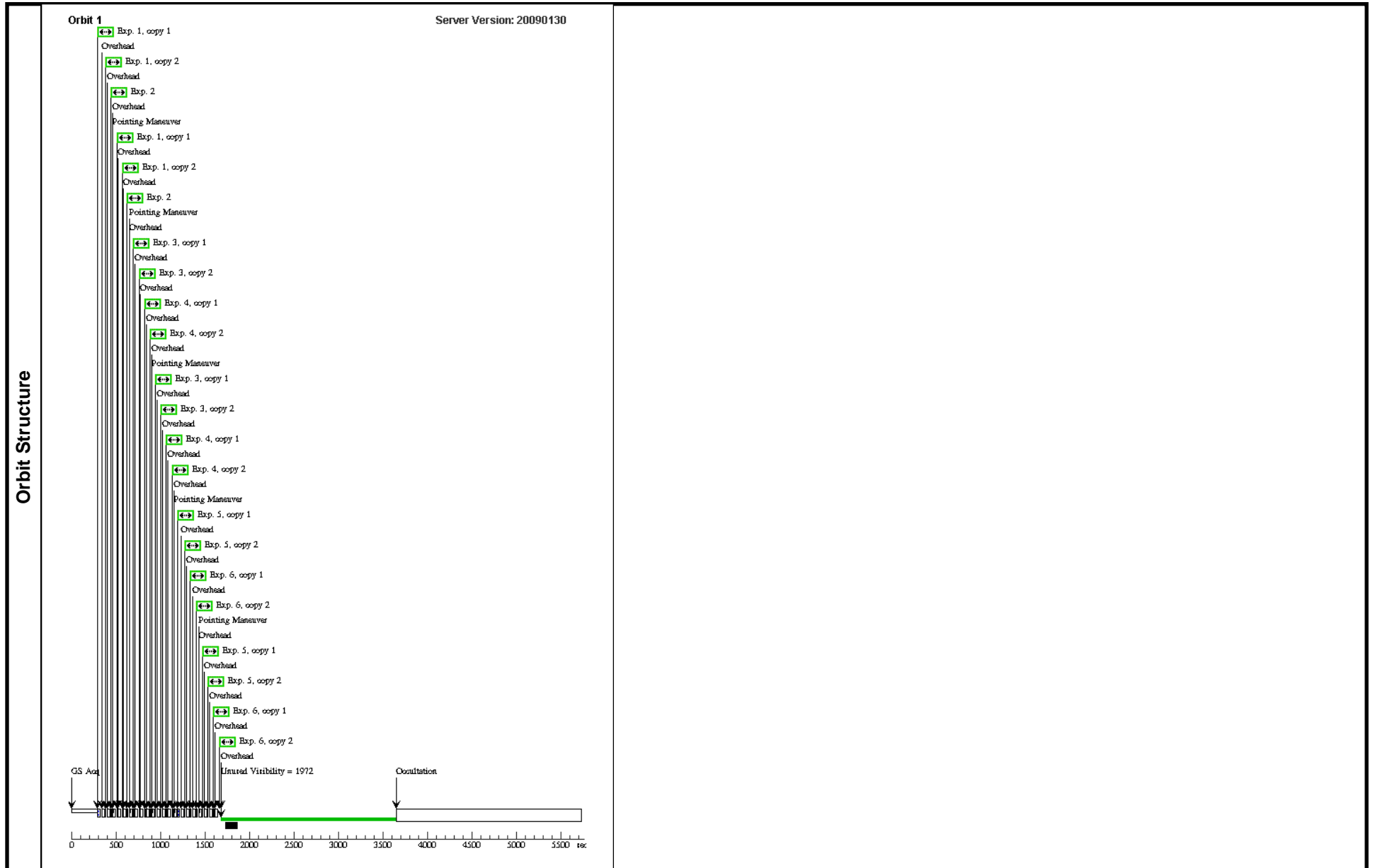
Tue Jun 30 02:16:21 GMT 2009

Visit	Proposal 11599, Visit 19, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2), (3-4), (5-6)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(19)	NGC40	RA: 00 13 1.0700 (3.2544583d) Dec: +72 31 17.90 (72.52164d) Equinox: J2000		V=11.55+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(19) NGC40	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-2 (2)	1 Secs X 2	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]
	2		(19) NGC40	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-2 (2)	8 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
3		(19) NGC40	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 3-4 (2)	0.5 Secs X 2		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	
4		(19) NGC40	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 3-4 (2)	6 Secs X 2		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	

Proposal 11599 - Visit 19 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	5	(19) NGC40	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO	Pattern 2, Exps 5-6 (2)	1.2 Secs X 2 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]		
6	(19) NGC40	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO	Pattern 2, Exps 5-6 (2)	10 Secs X 2 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]			

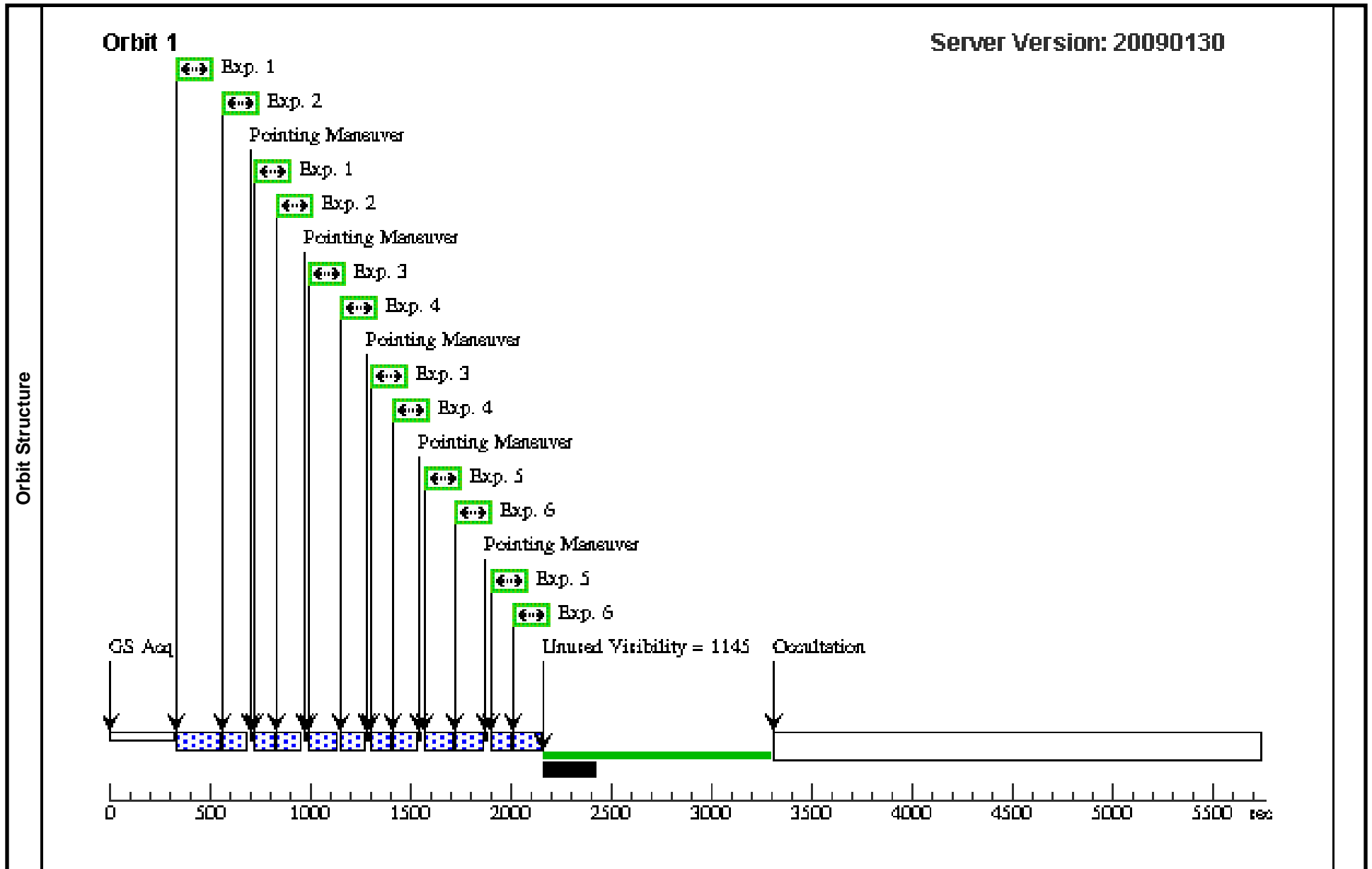
Proposal 11599 - Visit 19 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions



Proposal 11599 - Visit 20 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:22 GMT 2009

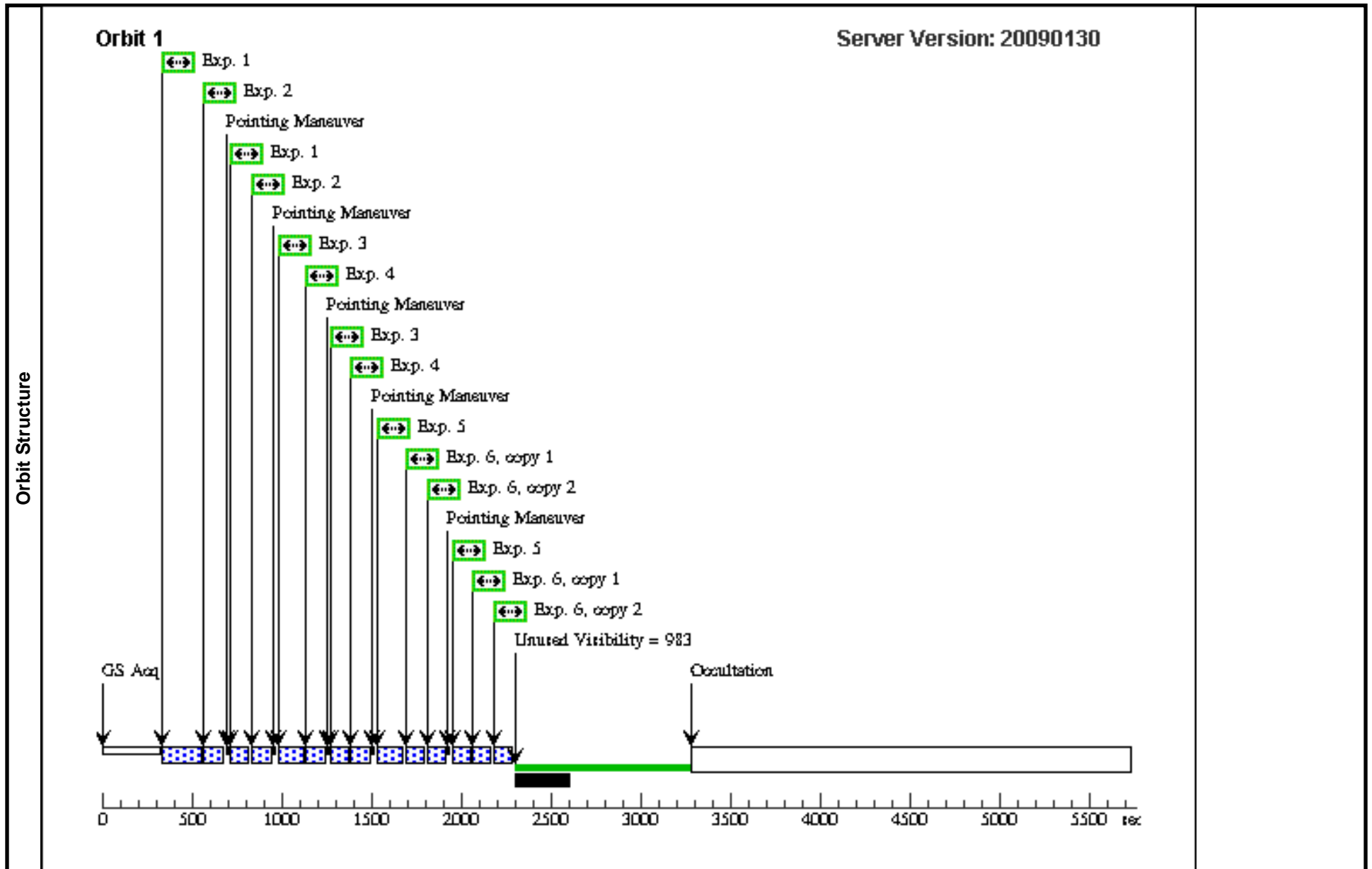
Visit	Proposal 11599, Visit 20, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false			(1-2), (3-4), (5-6)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(20)	PN-LO8	RA: 13 25 37.5000 (201.4062500d) Dec: -37 36 16.40 (-37.60456d) Equinox: J2000				V=13.00+/-0.1	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(20) PN-LO8	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-2 (3)	3 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(20) PN-LO8	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-2 (3)	25 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	3		(20) PN-LO8	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 3-4 (3)	1.6 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	4		(20) PN-LO8	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 3-4 (3)	20 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	5		(20) PN-LO8	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 5-6 (3)	1.2 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	6		(20) PN-LO8	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 5-6 (3)	40 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 11599 - Visit 21 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:22 GMT 2009

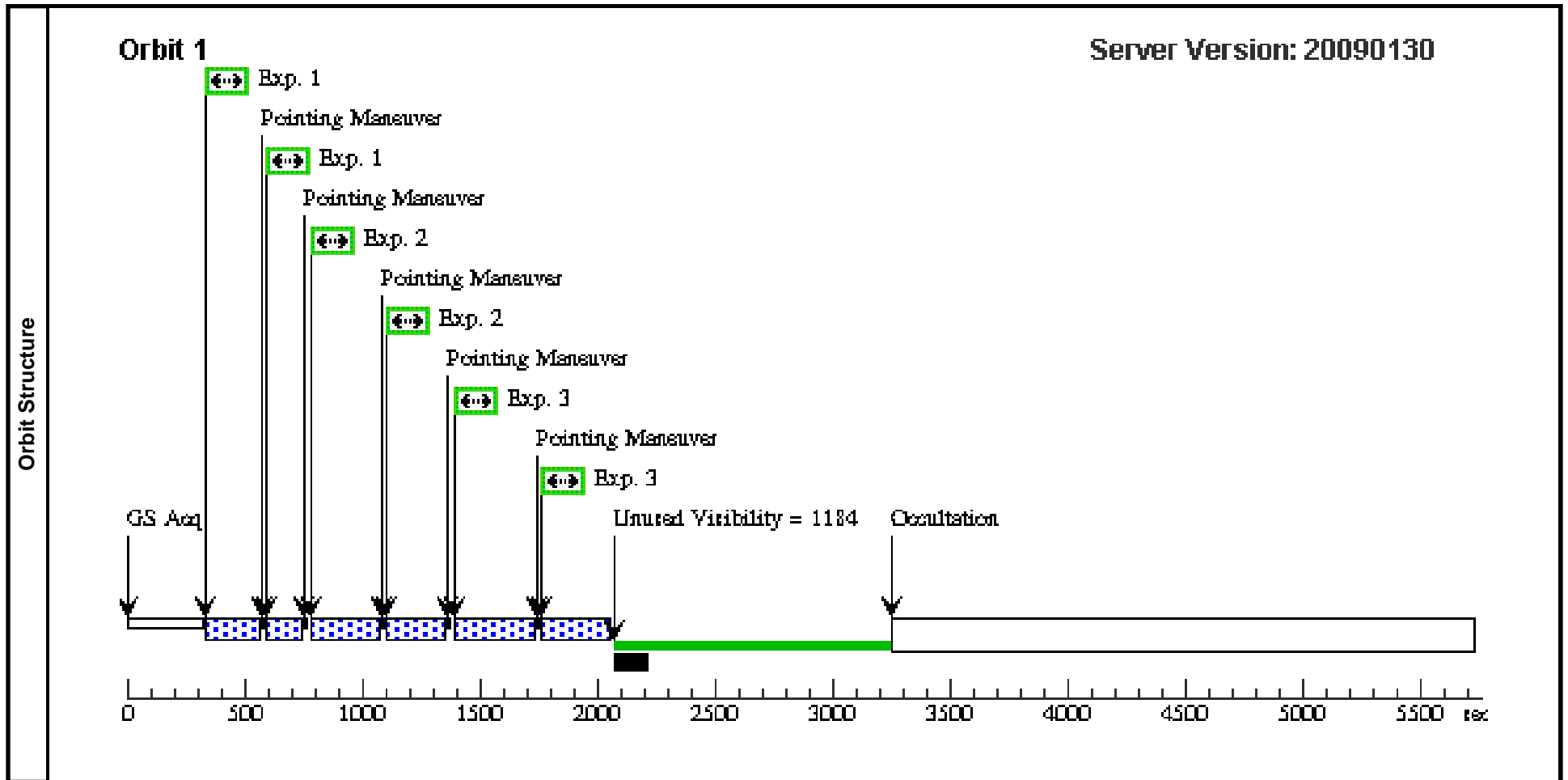
Visit	Proposal 11599, Visit 21, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(21)	1RXSJ211707.9+341220	RA: 21 17 8.3100 (319.2846250d) Dec: +34 12 27.80 (34.20772d) Equinox: J2000		V=13.10+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(21) 1RXSJ211707.9+341220	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-2 (3)	4 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(21) 1RXSJ211707.9+341220	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-2 (3)	16 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	3		(21) 1RXSJ211707.9+341220	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 3-4 (3)	2 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	4		(21) 1RXSJ211707.9+341220	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 3-4 (3)	10 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	5		(21) 1RXSJ211707.9+341220	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 5-6 (3)	1.5 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	6		(21) 1RXSJ211707.9+341220	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 5-6 (3)	8 Secs X 2 [=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)]	[1]



Proposal 11599 - Visit 22 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:22 GMT 2009

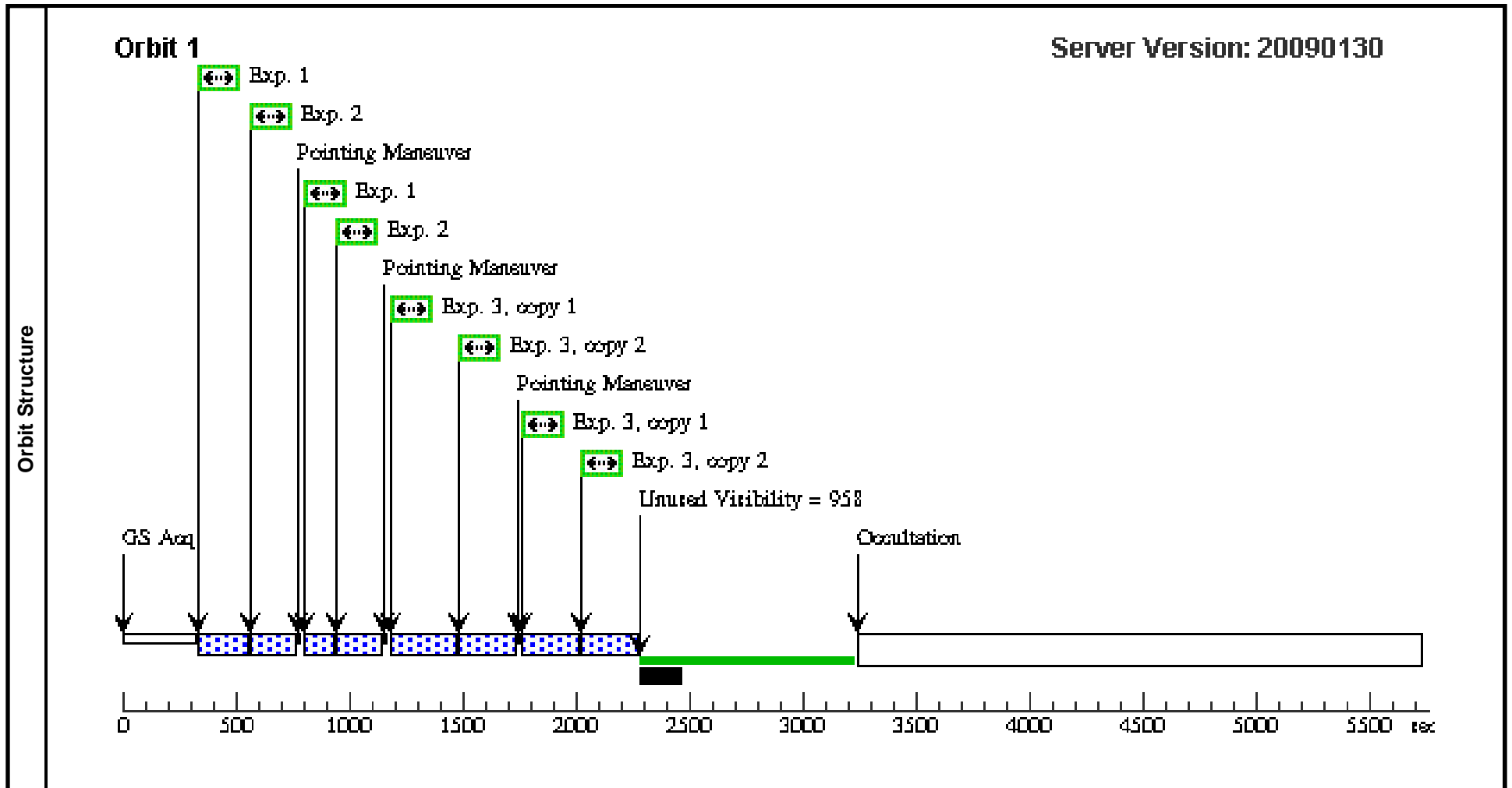
Visit	Proposal 11599, Visit 22, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false					(1), (2), (3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(22)	PN-A66-66	RA: 19 57 31.5700 (299.3815417d) Dec: -21 36 47.10 (-21.61308d) Equinox: J2000				V=18.17+/-0.1		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(22) PN-A66-66	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	50 Secs	
									[=>(Pattern 1)]	[1]
									[=>(Pattern 2)]	
2		(22) PN-A66-66	ACS/WFC, ACCUM, WFC1-1K	F555W				Pattern 3, Exps 2-2 (3)	150 Secs	
									[=>(Pattern 1)]	[1]
									[=>(Pattern 2)]	
3		(22) PN-A66-66	ACS/WFC, ACCUM, WFC1-1K	F435W				Pattern 3, Exps 3-3 (3)	200 Secs	
									[=>(Pattern 1)]	[1]
									[=>(Pattern 2)]	



Proposal 11599 - Visit 23 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:23 GMT 2009

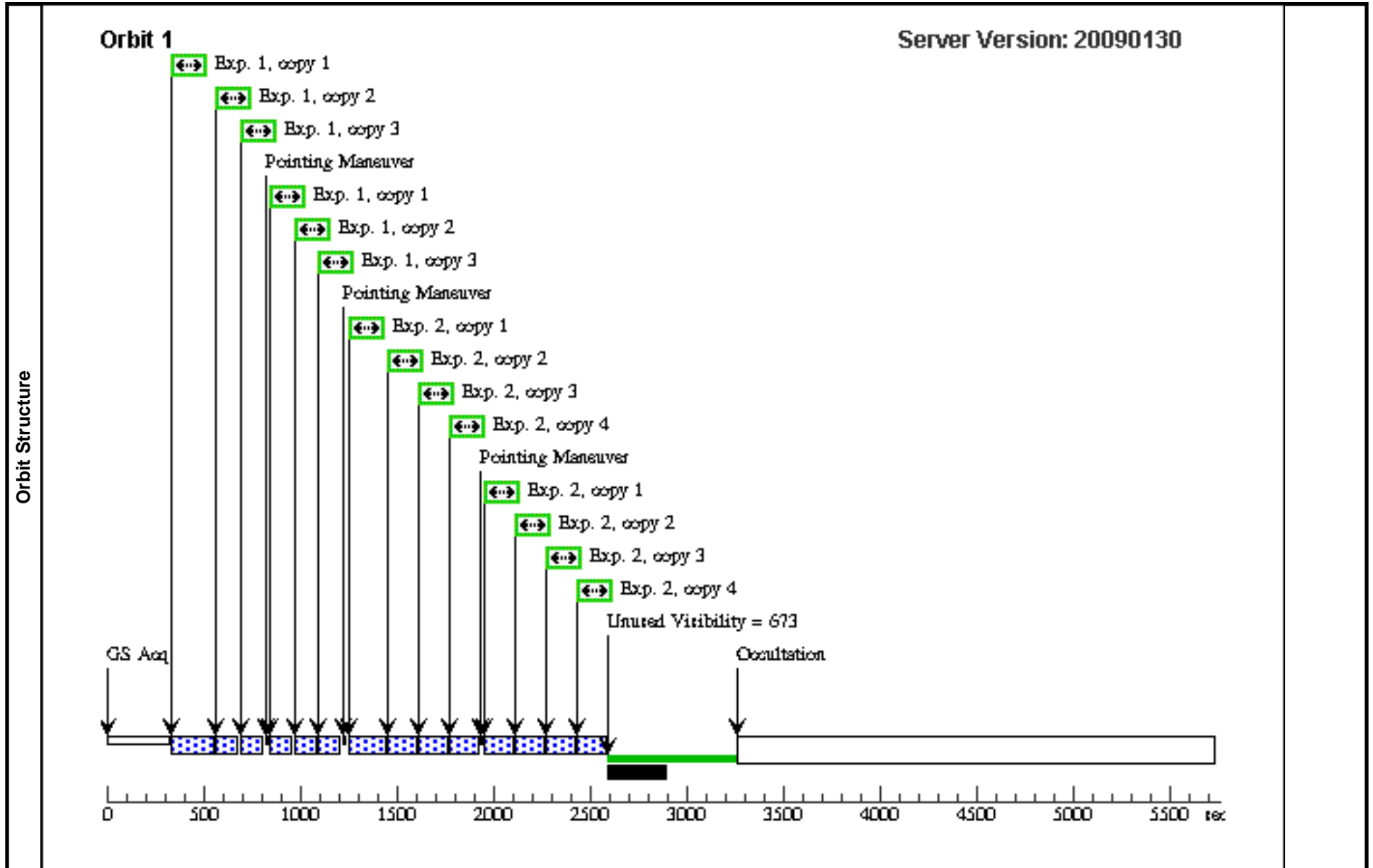
Visit	Proposal 11599, Visit 23, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1-2), (3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(23)	NGC2022	RA: 05 42 6.1500 (85.5256250d) Dec: +09 05 10.80 (9.08633d) Equinox: J2000		V=15.75+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(23) NGC2022		ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-2 (3)	35 Secs	
									[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	(23) NGC2022		ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-2 (3)	100 Secs	
								[=>(Pattern 1)] [=>(Pattern 2)]	[1]	
3	(23) NGC2022		ACS/WFC, ACCUM, WFC1-1K	F555W				Pattern 3, Exps 3-3 (3)	150 Secs X 2	
								[=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)]	[1]	



Proposal 11599 - Visit 24 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:23 GMT 2009

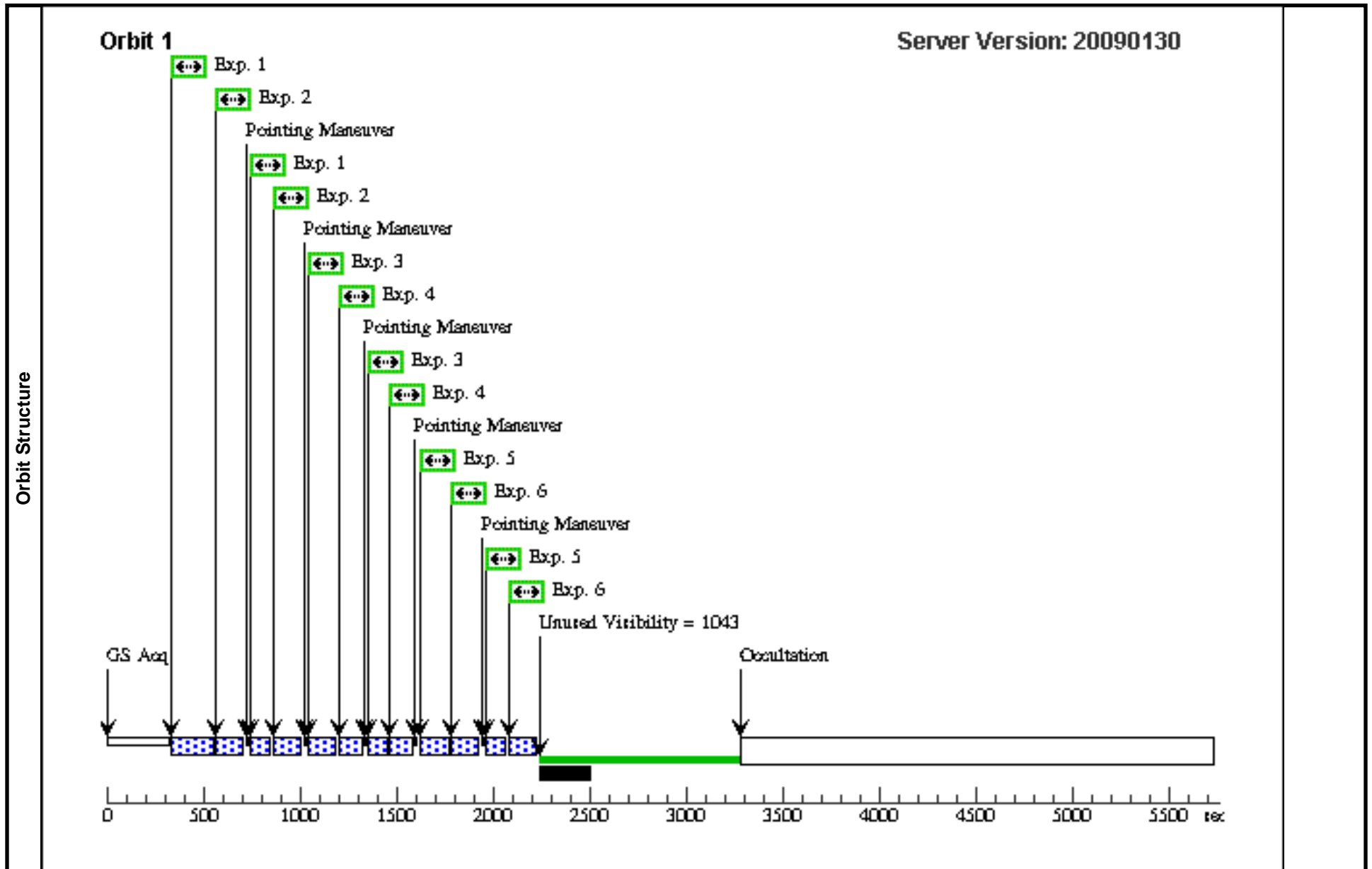
Visit	Proposal 11599, Visit 24, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(24)	NGC2371-2	RA: 07 25 34.6400 (111.3943333d) Dec: +29 29 27.20 (29.49089d) Equinox: J2000		V=14.85+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(24) NGC2371-2	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	17 Secs X 3 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]
2		(24) NGC2371-2	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	50 Secs X 4 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]	



Proposal 11599 - Visit 25 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:23 GMT 2009

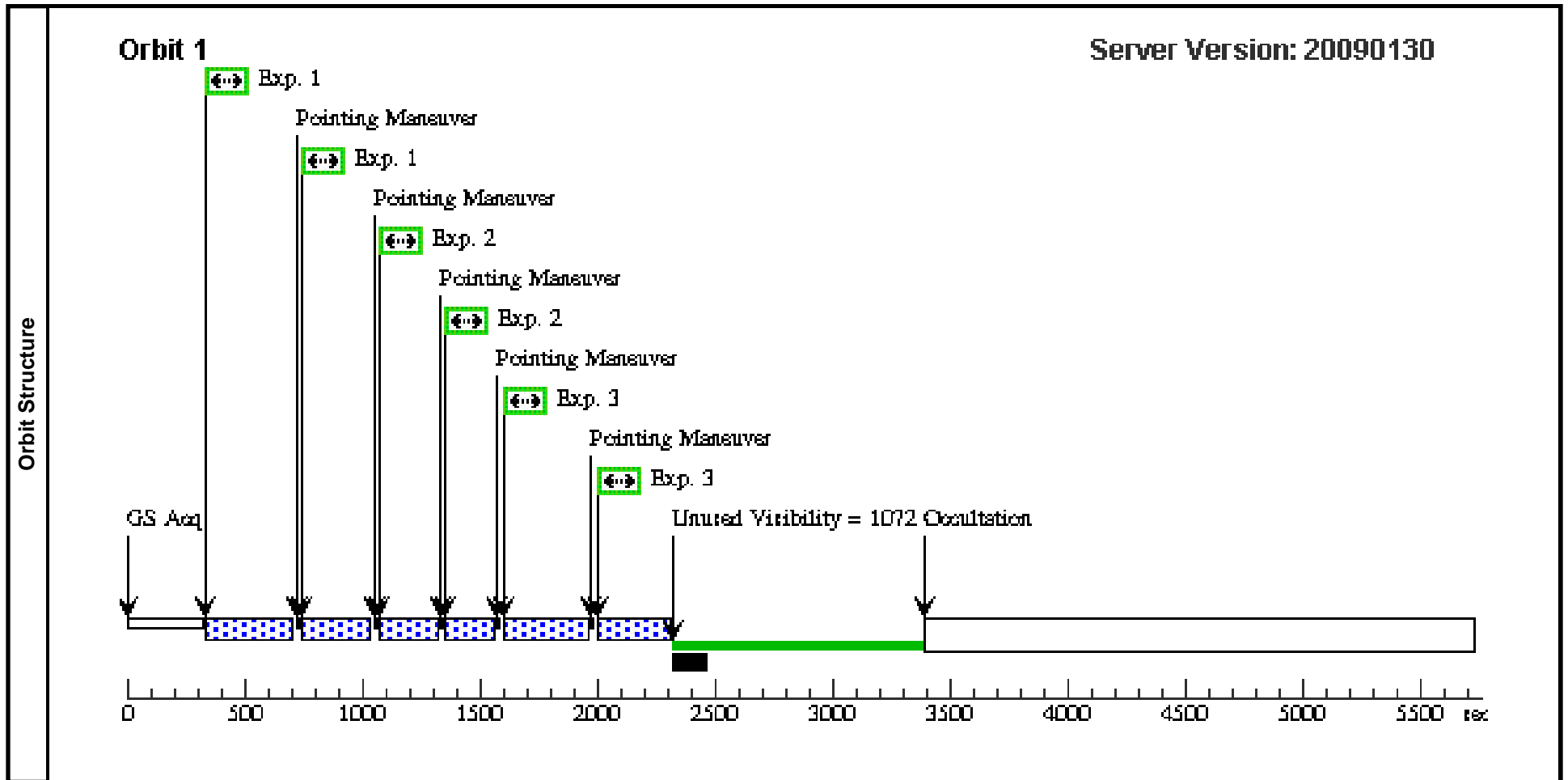
Visit	Proposal 11599, Visit 25, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1-2), (3-4), (5-6)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(25)	NGC6026	RA: 16 01 21.0200 (240.3375833d) Dec: -34 32 35.80 (-34.54328d) Equinox: J2000		V=13.33+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(25) NGC6026	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-2 (3)	6 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(25) NGC6026	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-2 (3)	48 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(25) NGC6026	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 3-4 (3)	2.5 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(25) NGC6026	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 3-4 (3)	20 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(25) NGC6026	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 5-6 (3)	6 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(25) NGC6026	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 5-6 (3)	48 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 11599 - Visit 26 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:23 GMT 2009

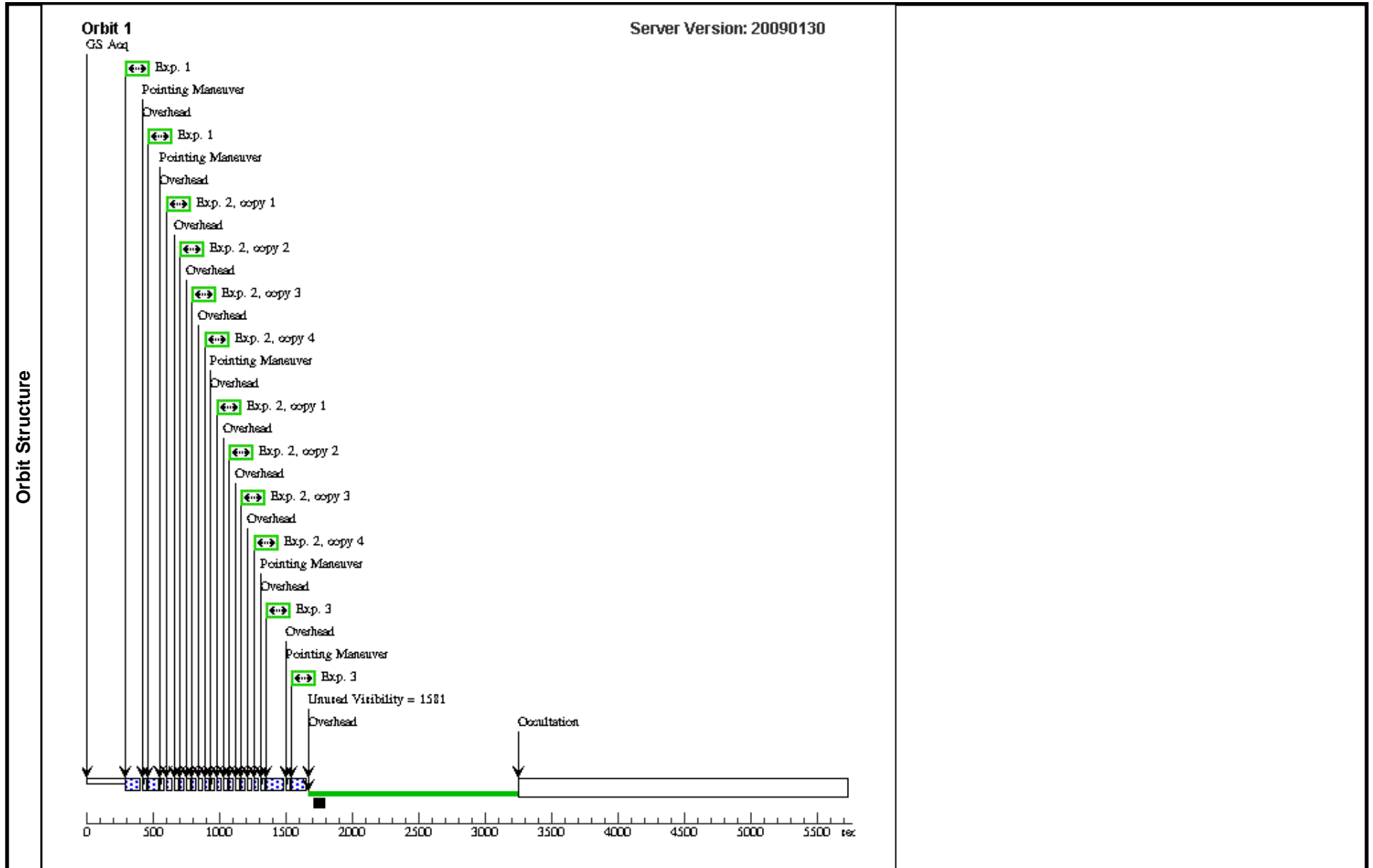
Visit	Proposal 11599, Visit 26, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false				(1), (2), (3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(26)	PN-A66-61	RA: 19 19 10.1400 (289.7922500d) Dec: +46 14 50.60 (46.24739d) Equinox: J2000				V=17.47+/-0.1		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(26) PN-A66-61	(26) PN-A66-61	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	200 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	(26) PN-A66-61	(26) PN-A66-61	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	110 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	3	(26) PN-A66-61	(26) PN-A66-61	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 3-3 (3)	220 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 11599 - Visit 27 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:24 GMT 2009

Visit	Proposal 11599, Visit 27, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			
(2)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1), (2), (3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(27)	NGC6309	RA: 17 14 4.3300 (258.5180417d) Dec: -12 54 38.20 (-12.91061d) Equinox: J2000				V=16.31+/-0.1		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(27) NGC6309	(27) NGC6309	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	80 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	(27) NGC6309	(27) NGC6309	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	35 Secs X 4	
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]	
3	(27) NGC6309	(27) NGC6309	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	110 Secs		
								[==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 11599 - Visit 28 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:24 GMT 2009

Visit	Proposal 11599, Visit 28, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)								
	Patterns	# Primary Pattern (2) Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	Secondary Pattern	Exposures (1), (2), (3)				
Fixed Targets	# Name (28) NGC6804	Target Coordinates RA: 19 31 35.1100 (292.8962917d) Dec: +09 13 31.10 (9.22531d) Equinox: J2000	Targ. Coord. Corrections	Fluxes V=14.17+/-0.1	Miscellaneous Reference Frame: ICRS				
Exposures	# Label 1 (28) NGC6804	Target (28) NGC6804	Config,Mode,Aperture WFC3/UVIS, ACCUM, UVIS1-M512-SUB	Spectral Els. F814W	Opt. Params. CR-SPLIT=NO	Special Reqs.	Groups Pattern 2, Exps 1-1 (2)	Exp. Time/[Actual Dur.] 9 Secs X 3 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	Orbit [1]
Exposures	# Label 2 (28) NGC6804	Target (28) NGC6804	Config,Mode,Aperture WFC3/UVIS, ACCUM, UVIS1-M512-SUB	Spectral Els. F555W	Opt. Params. CR-SPLIT=NO	Special Reqs.	Groups Pattern 2, Exps 2-2 (2)	Exp. Time/[Actual Dur.] 5 Secs X 6 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 1, Copy 5)] [==>(Pattern 1, Copy 6)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 2, Copy 5)] [==>(Pattern 2, Copy 6)]	Orbit [1]

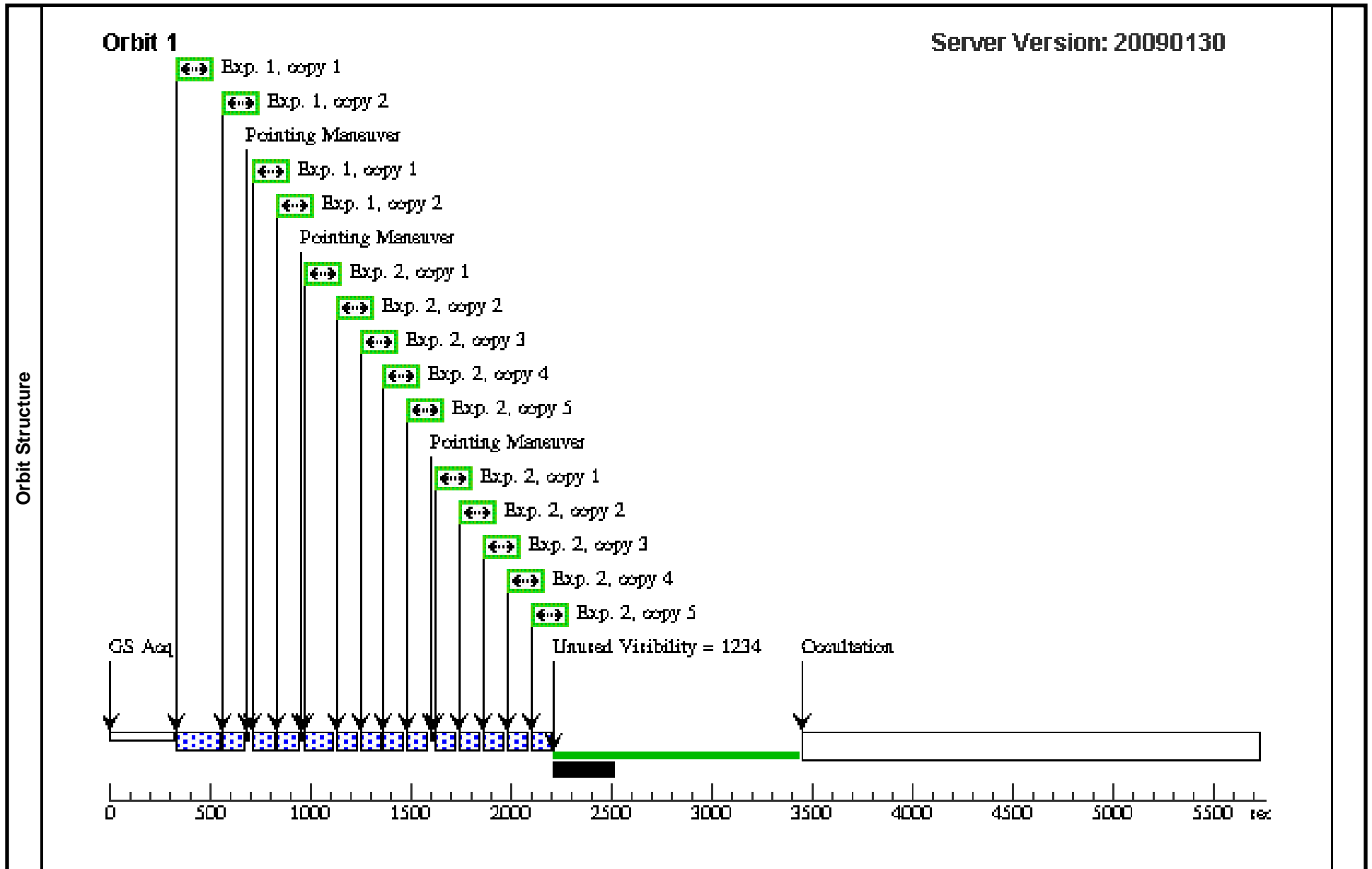
Proposal 11599 - Visit 28 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(28) NGC6804	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	20 Secs X 3 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]

Proposal 11599 - Visit 29 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:25 GMT 2009

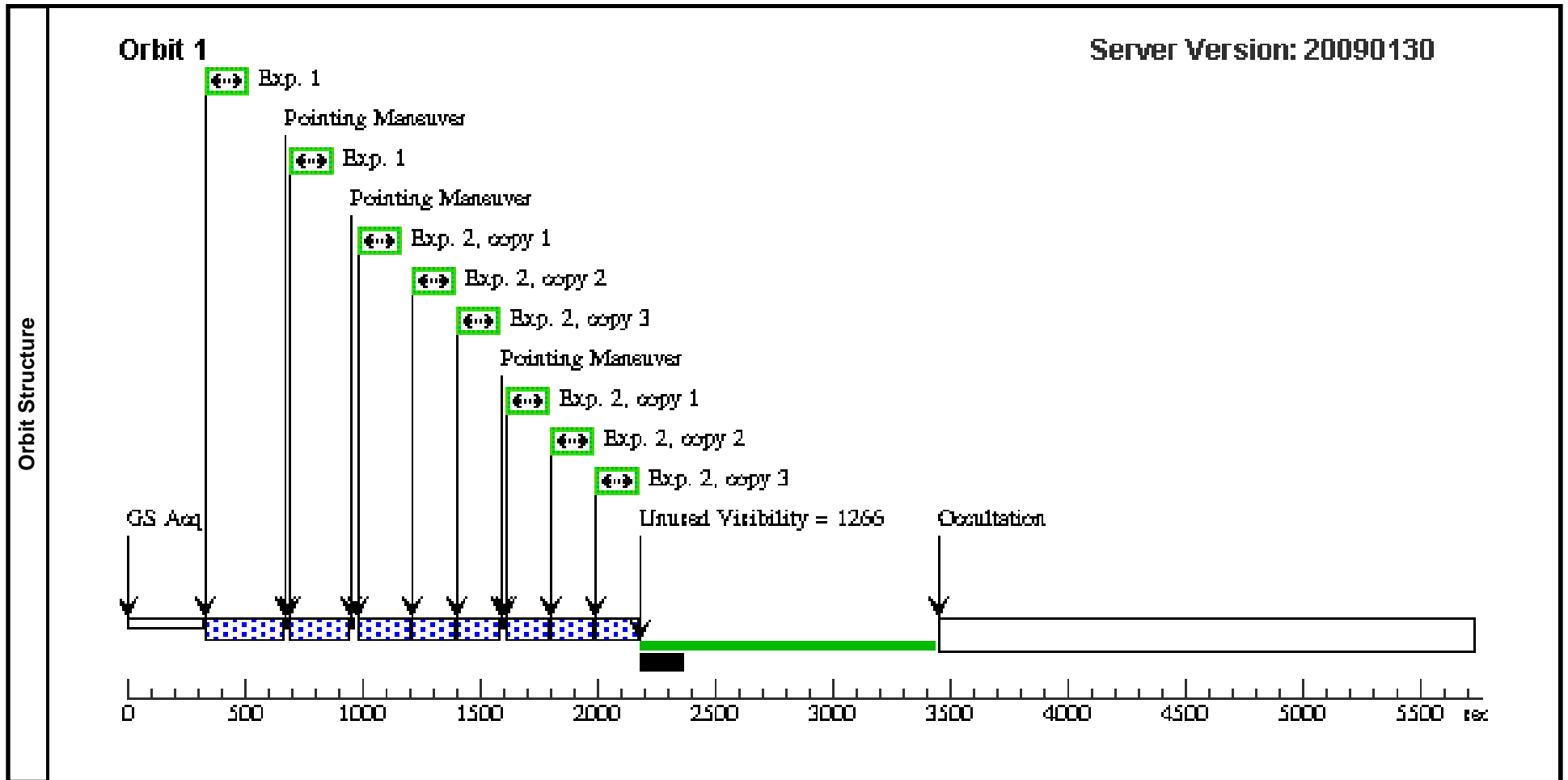
Visit	Proposal 11599, Visit 29, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(29)	NGC5307	RA: 13 51 3.2200 (207.7634167d) Dec: -51 12 21.70 (-51.20603d) Equinox: J2000		V=14.74+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(29) NGC5307	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	10 Secs X 2 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]
2		(29) NGC5307	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	8 Secs X 5 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 1, Copy 5)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 2, Copy 5)]	[1]	



Proposal 11599 - Visit 30 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:25 GMT 2009

Visit	Proposal 11599, Visit 30, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(30)	PN-JNER1	RA: 07 57 51.5500 (119.4647917d) Dec: +53 25 18.44 (53.42179d) Equinox: J2000		V=17.16+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(30) PN-JNER1	(30) PN-JNER1	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	150 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
2	(30) PN-JNER1	(30) PN-JNER1	ACS/WFC, ACCUM, WFC1-1K	F555W				Pattern 3, Exps 2-2 (3)	80 Secs X 3	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]



Proposal 11599 - Visit 31 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

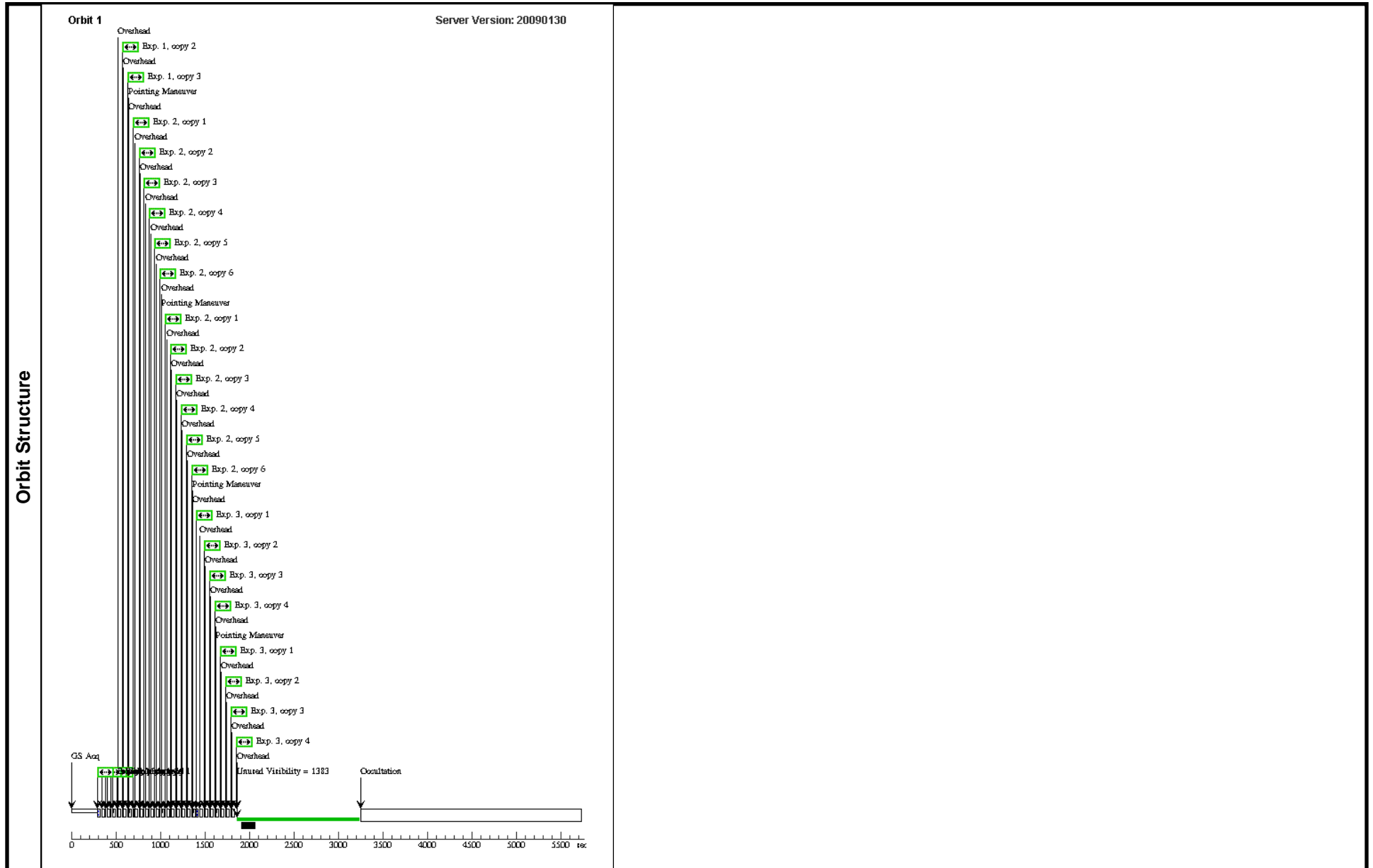
Tue Jun 30 02:16:25 GMT 2009

Visit	Proposal 11599, Visit 31, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)							
	Patterns	# (2) Primary Pattern Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	Secondary Pattern	Exposures (1), (2), (3)			
Fixed Targets	# (31) Name NGC6891 Target Coordinates RA: 20 15 8.8300 (303.7867917d) Dec: +12 42 14.70 (12.70408d) Equinox: J2000	Targ. Coord. Corrections	Fluxes V=12.34+/-0.1	Miscellaneous Reference Frame: ICRS				
Exposures	# 1 Label (31) NGC6891 Target WFC3/UVIS, ACCUM, UVIS1-M512-SUB	Config,Mode,Aperture WFC3/UVIS, ACCUM, UVIS1-M512-SUB	Spectral Els. F814W	Opt. Params. CR-SPLIT=NO	Special Reqs.	Groups Pattern 2, Exps 1-1 (2)	Exp. Time/[Actual Dur.] 3 Secs X 3 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	Orbit [1]
Exposures	# 2 Label (31) NGC6891 Target WFC3/UVIS, ACCUM, UVIS1-M512-SUB	Config,Mode,Aperture WFC3/UVIS, ACCUM, UVIS1-M512-SUB	Spectral Els. F555W	Opt. Params. CR-SPLIT=NO	Special Reqs.	Groups Pattern 2, Exps 2-2 (2)	Exp. Time/[Actual Dur.] 1 Secs X 6 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 1, Copy 5)] [==>(Pattern 1, Copy 6)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 2, Copy 5)] [==>(Pattern 2, Copy 6)]	Orbit [1]

Proposal 11599 - Visit 31 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(31) NGC6891	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	2 Secs X 4 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]

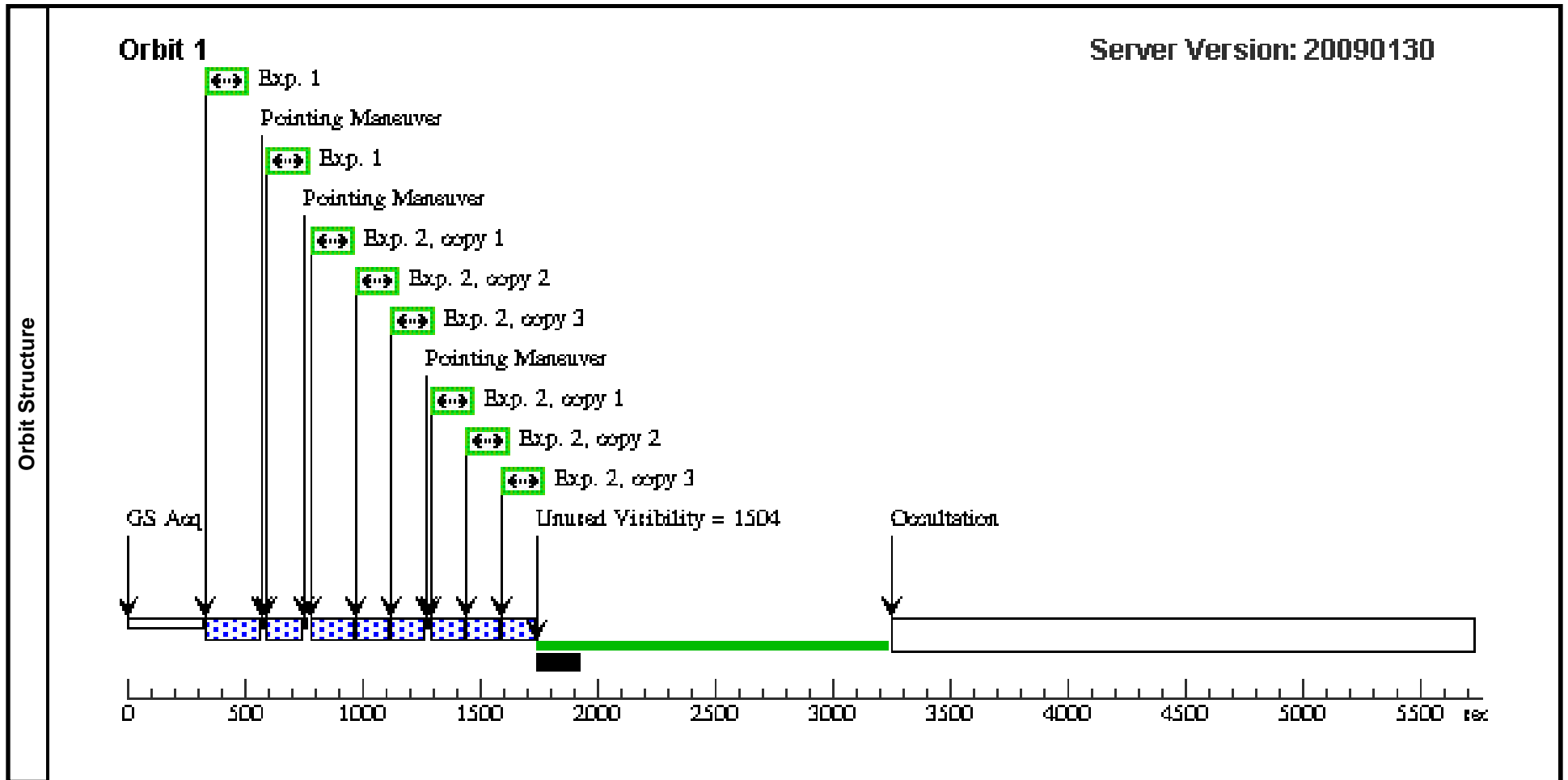
Proposal 11599 - Visit 31 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions



Proposal 11599 - Visit 32 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:25 GMT 2009

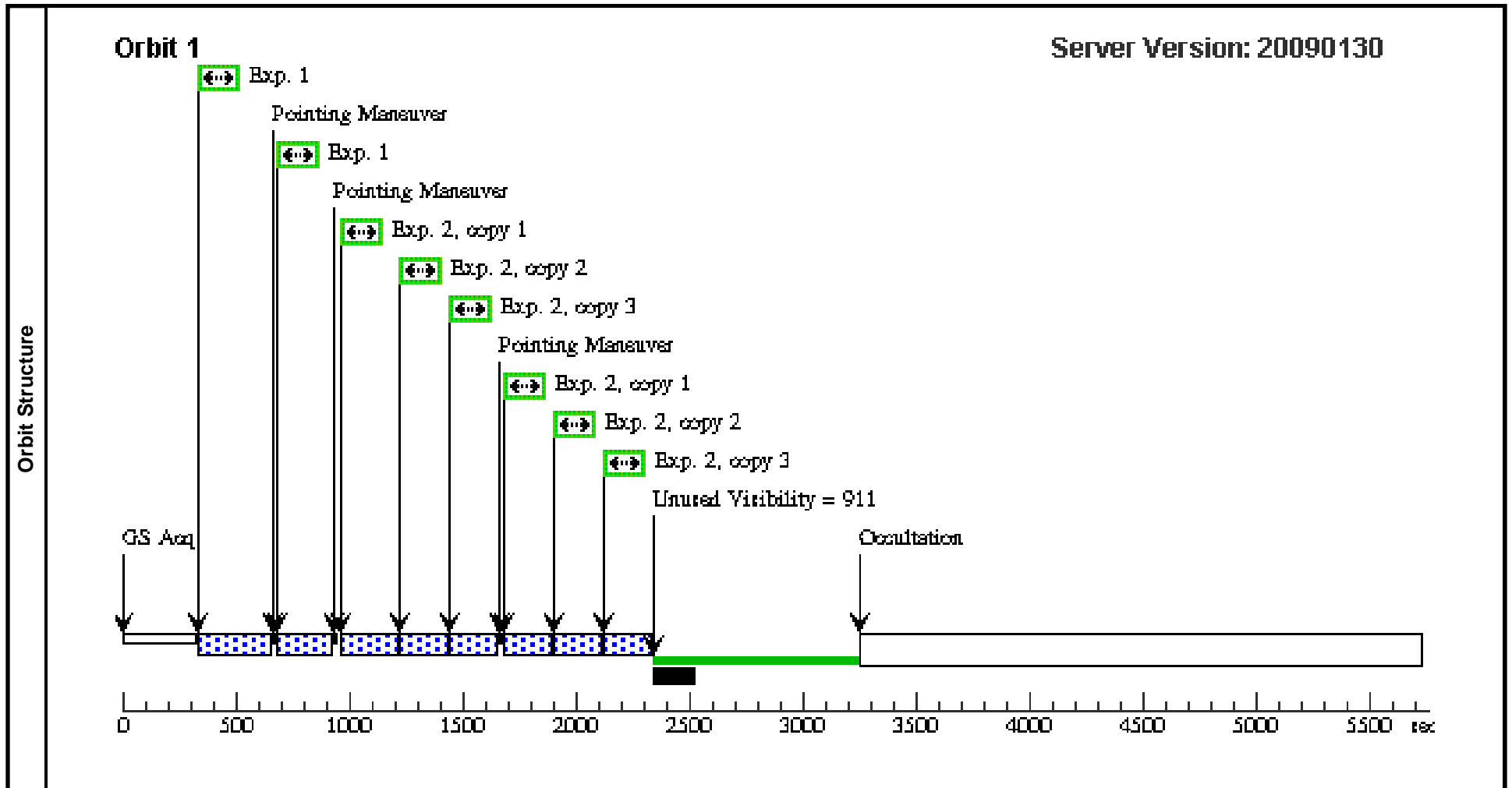
Visit	Proposal 11599, Visit 32, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(32)	PN-A66-72	RA: 20 50 2.0800 (312.5086667d) Dec: +13 33 28.50 (13.55792d) Equinox: J2000		V=16.10+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(32) PN-A66-72	(32) PN-A66-72	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	50 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
2	(32) PN-A66-72	(32) PN-A66-72	ACS/WFC, ACCUM, WFC1-1K	F555W				Pattern 3, Exps 2-2 (3)	40 Secs X 3	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]



Proposal 11599 - Visit 33 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:26 GMT 2009

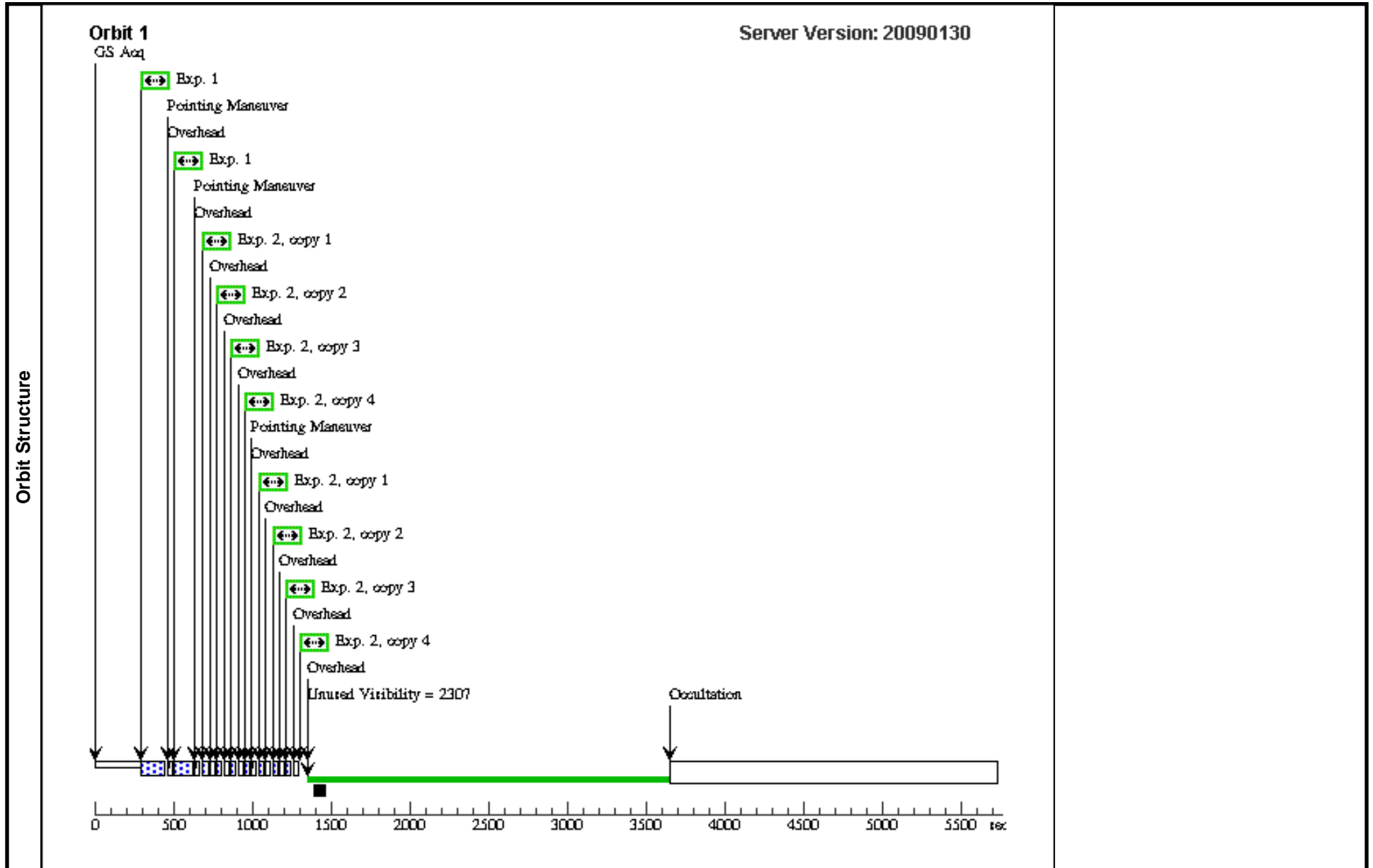
Visit	Proposal 11599, Visit 33, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false					(1), (2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(33)	PN-A66-74	RA: 21 16 52.3200 (319.2180000d) Dec: +24 08 49.90 (24.14719d) Equinox: J2000				V=17.44+/-0.1		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(33) PN-A66-74	(33) PN-A66-74	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	140 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
2	(33) PN-A66-74	(33) PN-A66-74	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	110 Secs X 3		
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]



Proposal 11599 - Visit 34 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:26 GMT 2009

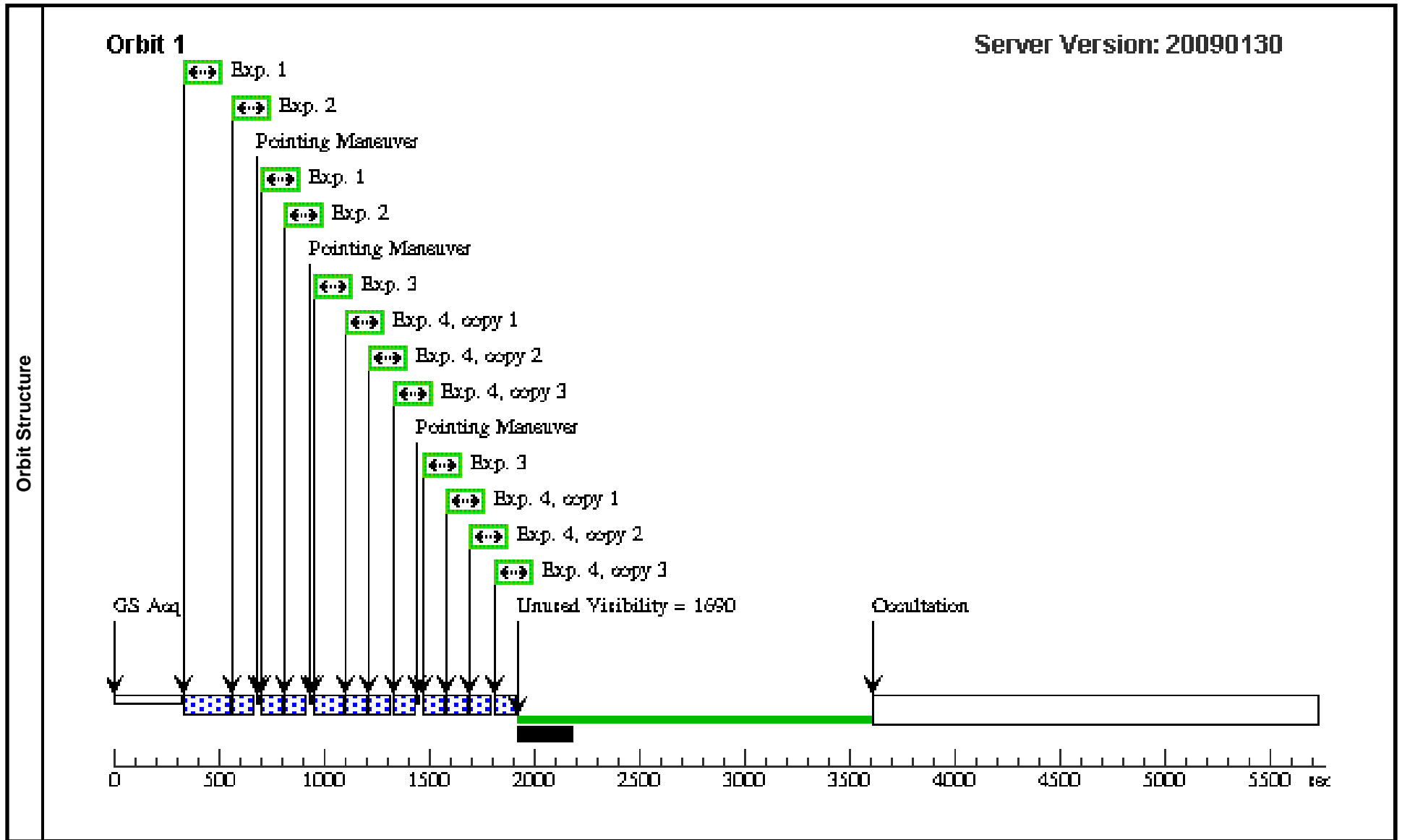
Visit	Proposal 11599, Visit 34, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
(2)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(34)	EGB1	RA: 01 07 7.5700 (16.7815417d) Dec: +73 33 23.90 (73.55664d) Equinox: J2000		V=16.39+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(34) EGB1	(34) EGB1	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	120 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	(34) EGB1	(34) EGB1	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	30 Secs X 4 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]



Proposal 11599 - Visit 35 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:26 GMT 2009

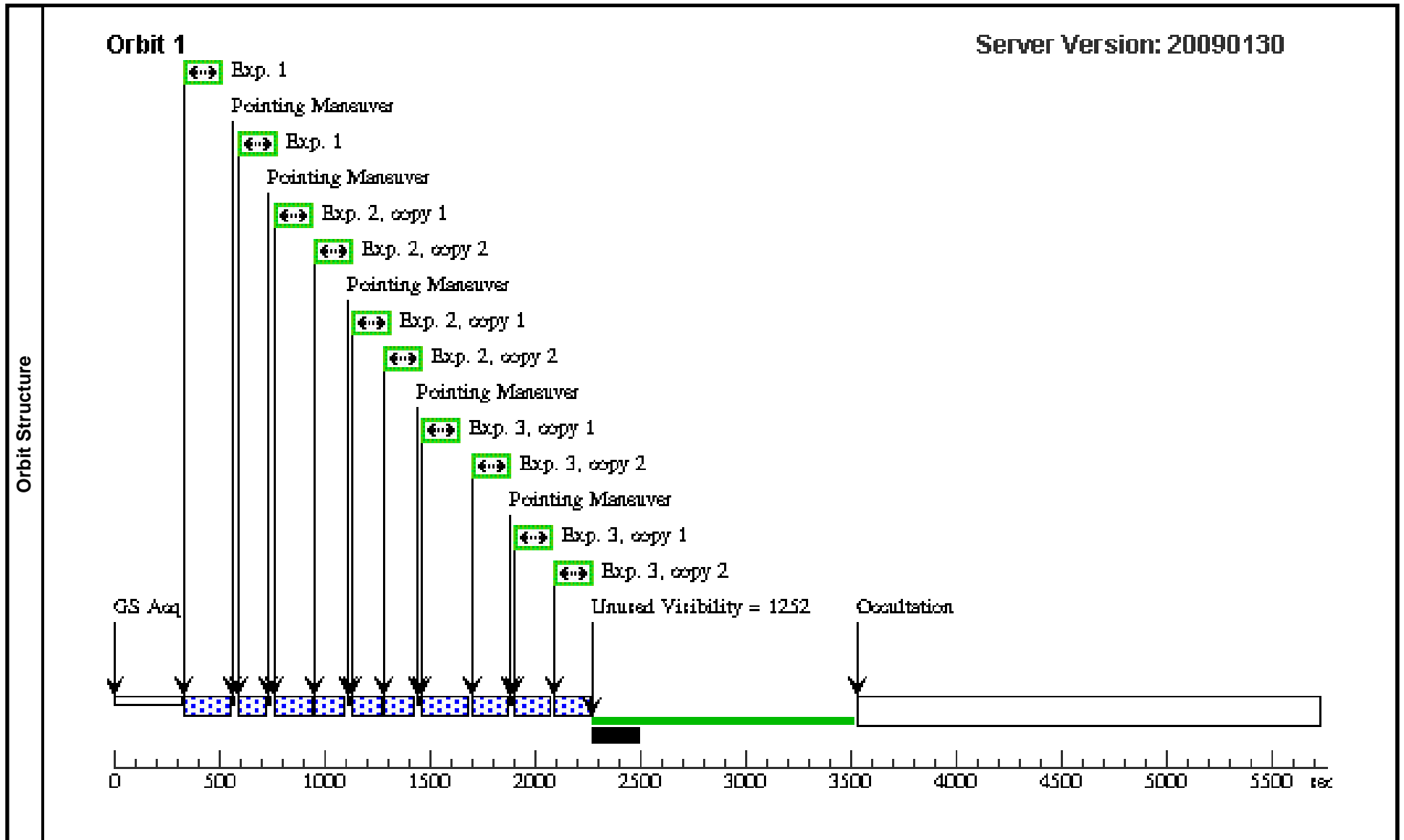
Visit	Proposal 11599, Visit 35, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(35)	HEN2-138	RA: 15 56 1.9700 (239.0082083d) Dec: -66 09 8.50 (-66.15236d) Equinox: J2000		V=11.03+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(35) HEN2-138	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-2 (3)	0.5 Secs	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
	2		(35) HEN2-138	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-2 (3)	4 Secs	
								[==>(Pattern 1)]	[1]	
								[==>(Pattern 2)]		
3		(35) HEN2-138	ACS/WFC, ACCUM, WFC1-1K	F555W				Pattern 3, Exps 3-4 (3)	0.5 Secs	
								[==>(Pattern 1)]	[1]	
								[==>(Pattern 2)]		
4		(35) HEN2-138	ACS/WFC, ACCUM, WFC1-1K	F555W				Pattern 3, Exps 3-4 (3)	4 Secs X 3	
								[==>(Pattern 1, Copy 1)]	[1]	
								[==>(Pattern 1, Copy 2)]		
								[==>(Pattern 1, Copy 3)]		
								[==>(Pattern 2, Copy 1)]		
								[==>(Pattern 2, Copy 2)]		
								[==>(Pattern 2, Copy 3)]		



Proposal 11599 - Visit 36 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:26 GMT 2009

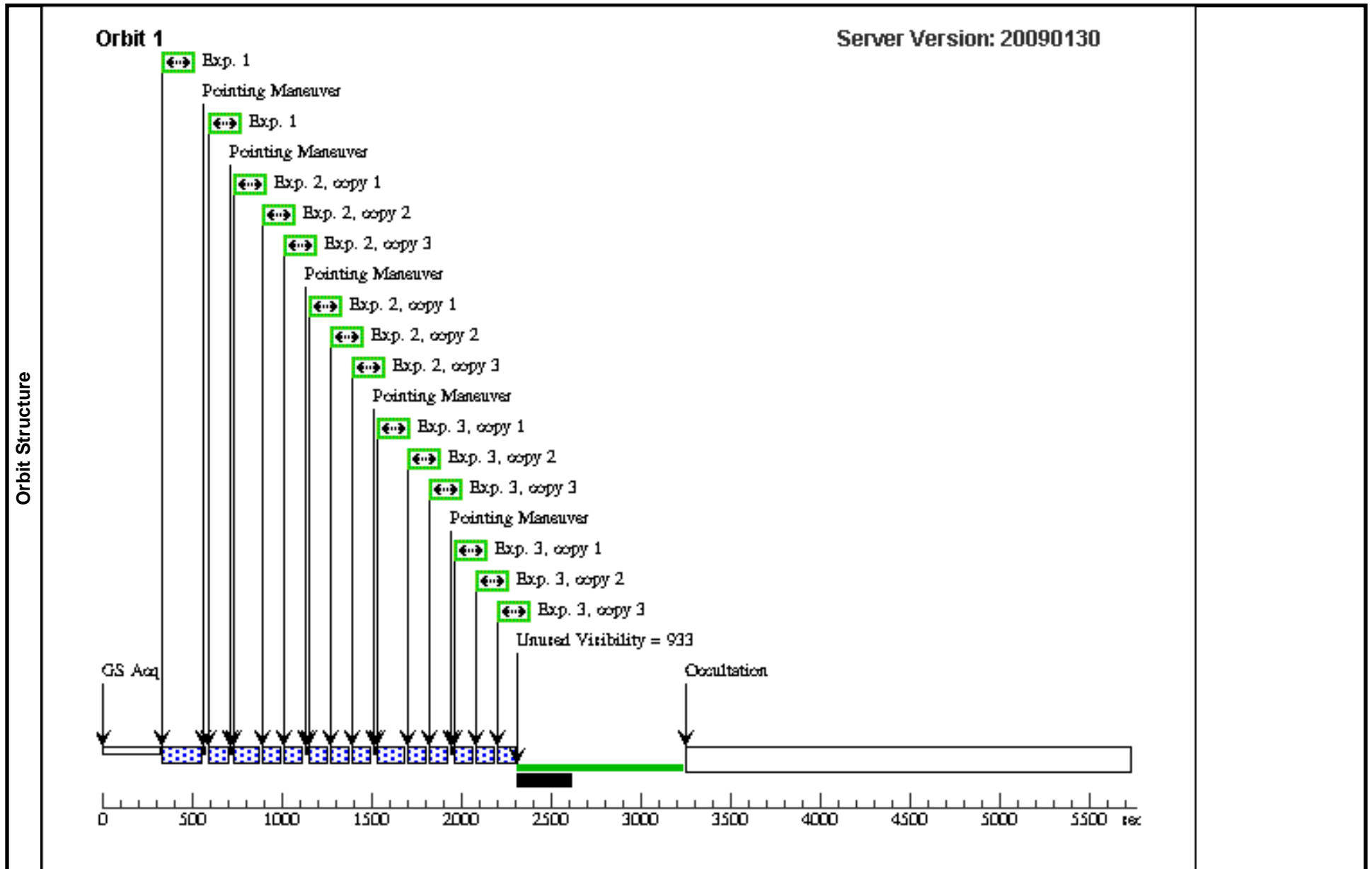
Visit	Proposal 11599, Visit 36, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false					(1), (2), (3)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(36)	IC289	RA: 03 10 19.1800 (47.5799167d) Dec: +61 19 1.10 (61.31697d) Equinox: J2000		V=15.8+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(36) IC289	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	35 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(36) IC289	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	45 Secs X 2	
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	
3		(36) IC289	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 3-3 (3)	75 Secs X 2		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	



Proposal 11599 - Visit 37 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:27 GMT 2009

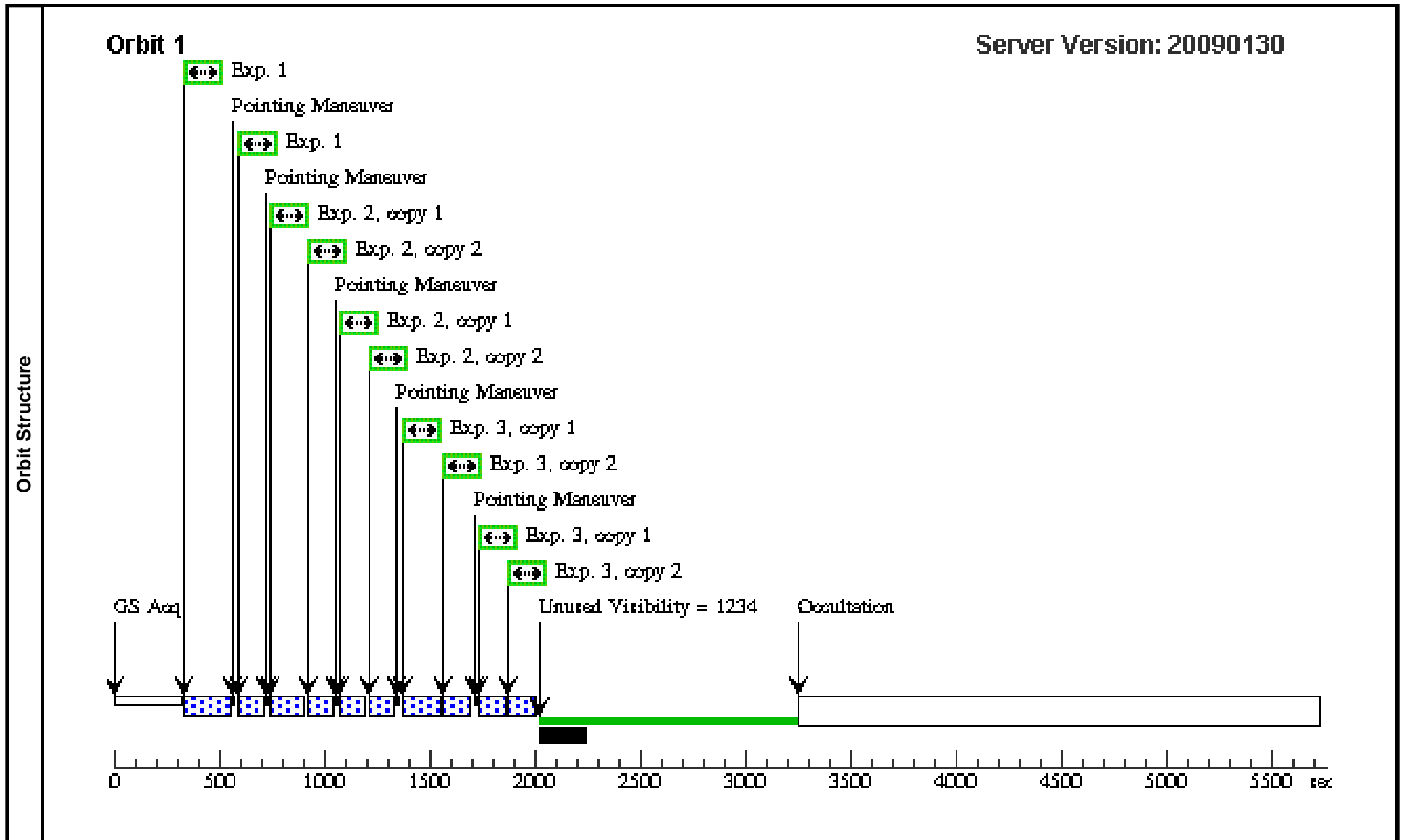
Visit	Proposal 11599, Visit 37, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1), (2), (3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(37)	PN-A66-43	RA: 17 53 32.2900 (268.3845417d) Dec: +10 37 23.70 (10.62325d) Equinox: J2000		V=14.77+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(37) PN-A66-43	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	12 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(37) PN-A66-43	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	9 Secs X 3 [=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 1, Copy 3)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)] [=>(Pattern 2, Copy 3)]	[1]
	3		(37) PN-A66-43	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 3-3 (3)	8 Secs X 3 [=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 1, Copy 3)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)] [=>(Pattern 2, Copy 3)]	[1]



Proposal 11599 - Visit 38 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:27 GMT 2009

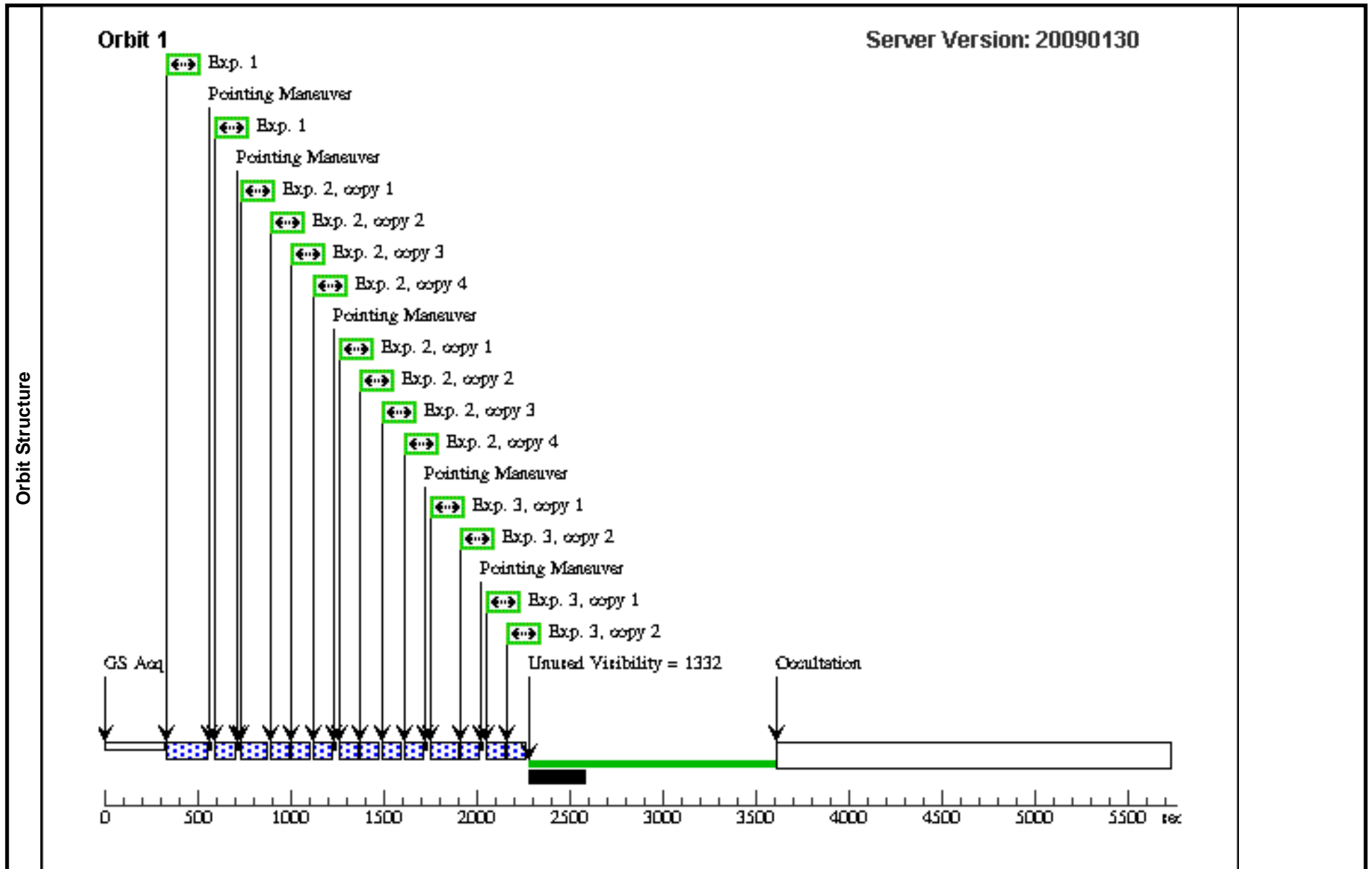
Visit	Proposal 11599, Visit 38, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false					(1), (2), (3)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(38)	PN-A66-65	RA: 19 46 34.3200 (296.6430000d) Dec: -23 08 13.50 (-23.13708d) Equinox: J2000			V=15.80+/-0.1	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(38) PN-A66-65	(38) PN-A66-65	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	20 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	(38) PN-A66-65	(38) PN-A66-65	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	25 Secs X 2 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]
	3	(38) PN-A66-65	(38) PN-A66-65	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 3-3 (3)	35 Secs X 2 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]



Proposal 11599 - Visit 39 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:27 GMT 2009

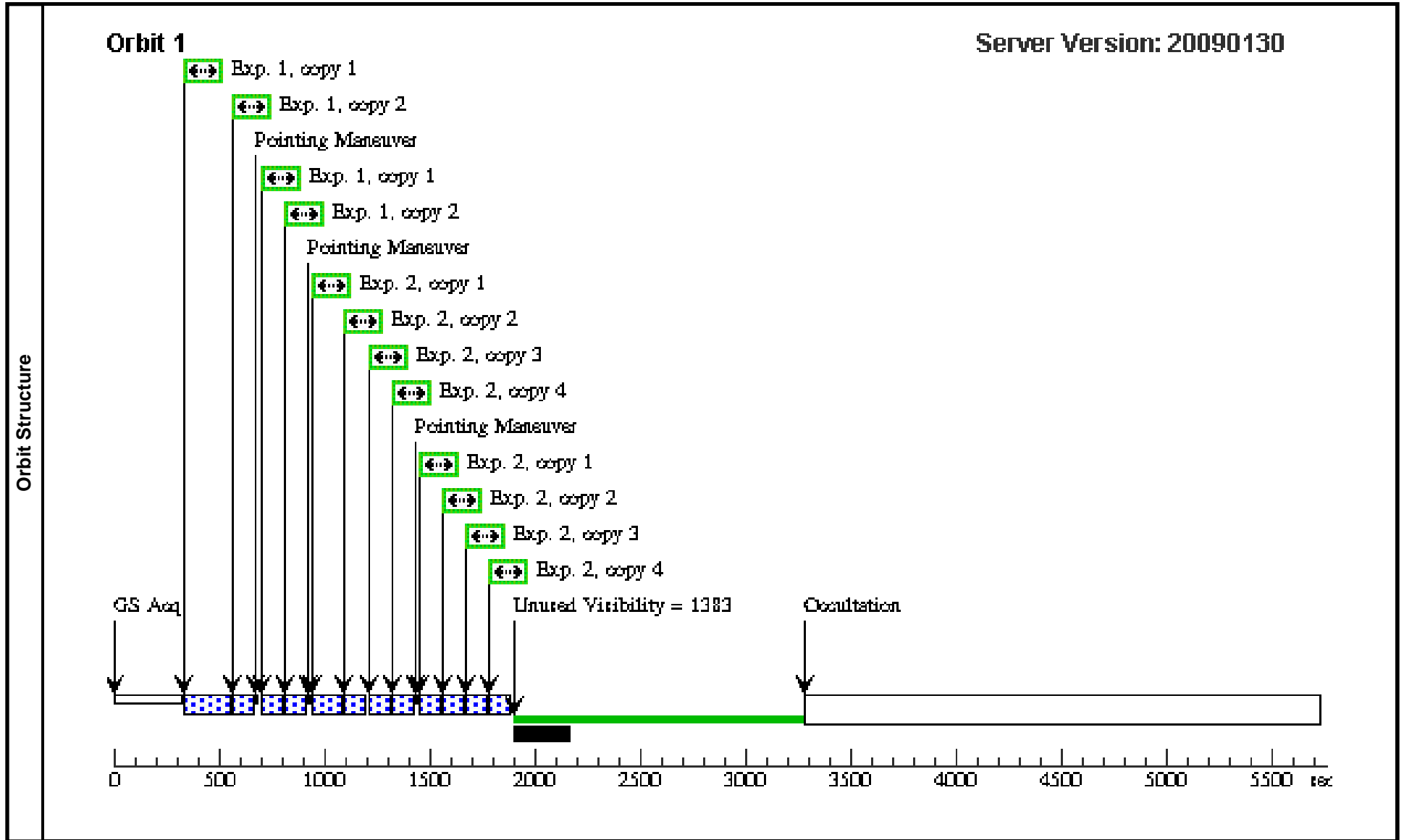
Visit	Proposal 11599, Visit 39, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1), (2), (3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(39)	IC2448	RA: 09 07 6.4800 (136.7770000d) Dec: -69 56 30.90 (-69.94192d) Equinox: J2000		V=14.26+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(39) IC2448	(39) IC2448	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	10 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	(39) IC2448	(39) IC2448	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	6 Secs X 4	
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]	
3	(39) IC2448	(39) IC2448	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 3-3 (3)	5 Secs X 2		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	



Proposal 11599 - Visit 40 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:28 GMT 2009

Visit	Proposal 11599, Visit 40, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(40)	PN-M1-26	RA: 17 45 57.7000 (266.4904167d) Dec: -30 12 0.60 (-30.20017d) Equinox: J2000		V=10.9+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(40) PN-M1-26	(40) PN-M1-26	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	0.5 Secs X 2	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]
2	(40) PN-M1-26	(40) PN-M1-26	ACS/WFC, ACCUM, WFC1-1K	F555W				Pattern 3, Exps 2-2 (3)	0.5 Secs X 4	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]

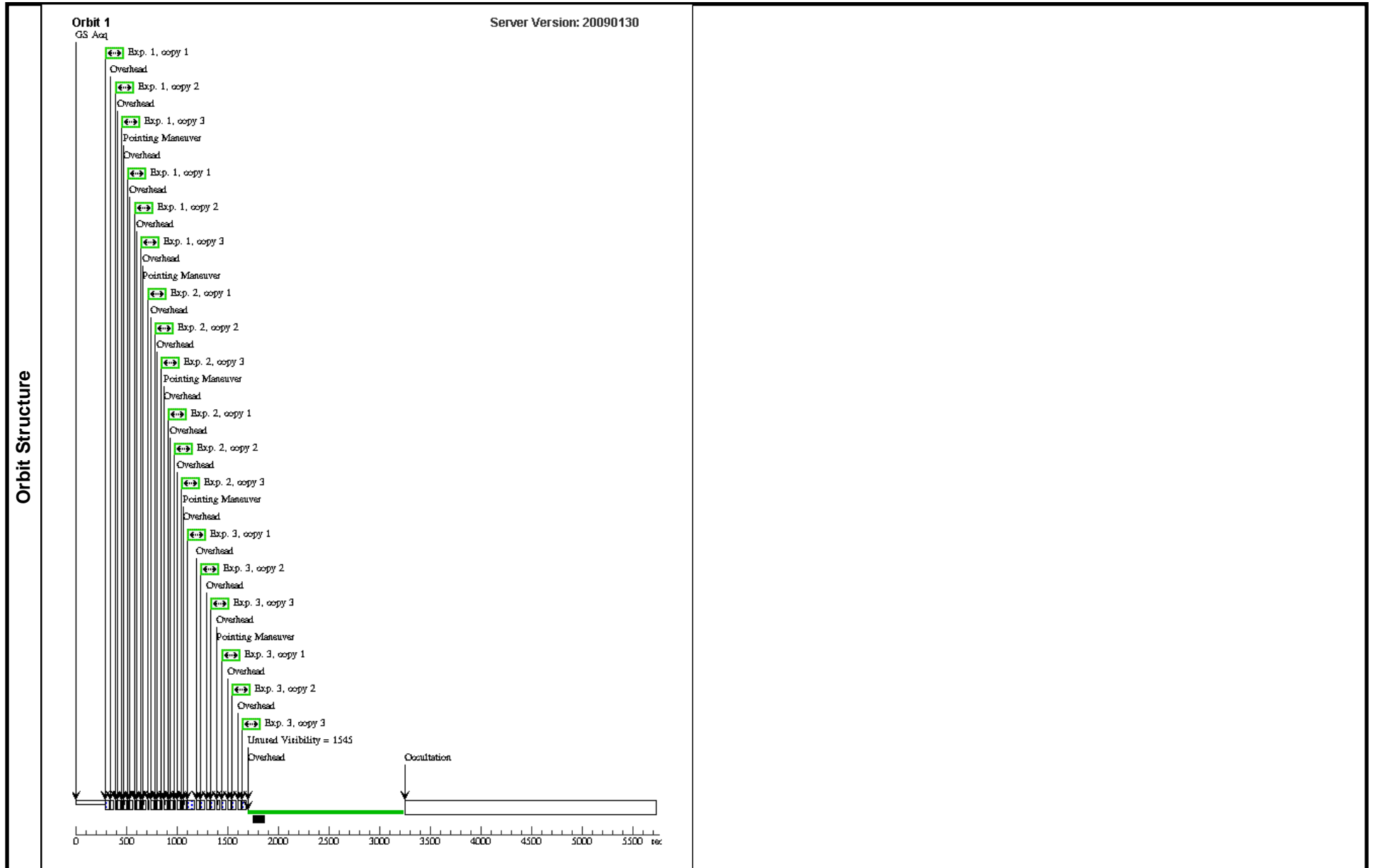


Proposal 11599 - Visit 41 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:28 GMT 2009

Visit	Proposal 11599, Visit 41, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(41)	PN-M2-9	RA: 17 05 37.9000 (256.4079167d) Dec: -10 08 32.64 (-10.14240d) Equinox: J2000		V=14.45+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(41) PN-M2-9	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	6 Secs X 3	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]
	2		(41) PN-M2-9	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	7 Secs X 3	
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]	
3		(41) PN-M2-9	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	45 Secs X 3		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]	

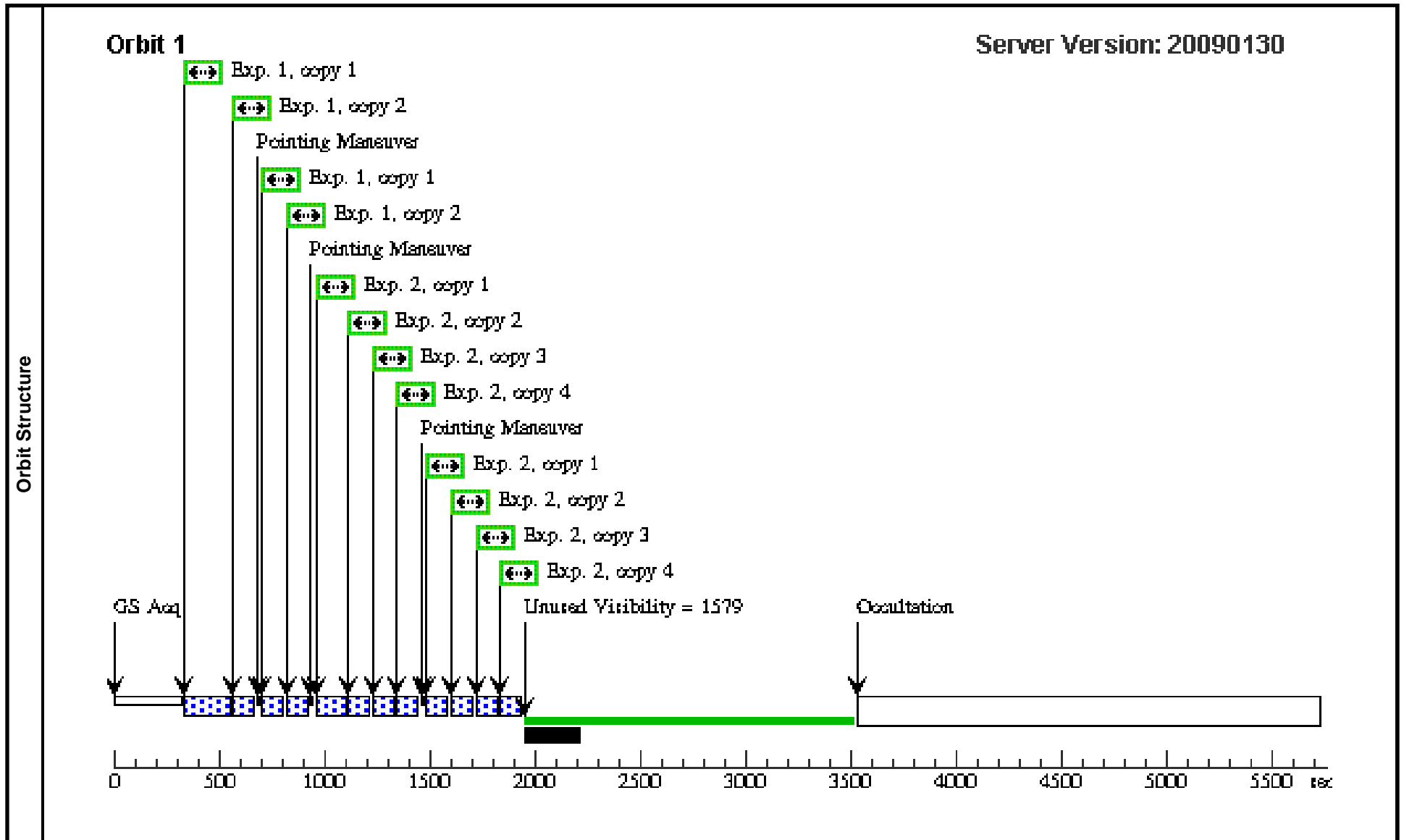
Proposal 11599 - Visit 41 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions



Proposal 11599 - Visit 42 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:28 GMT 2009

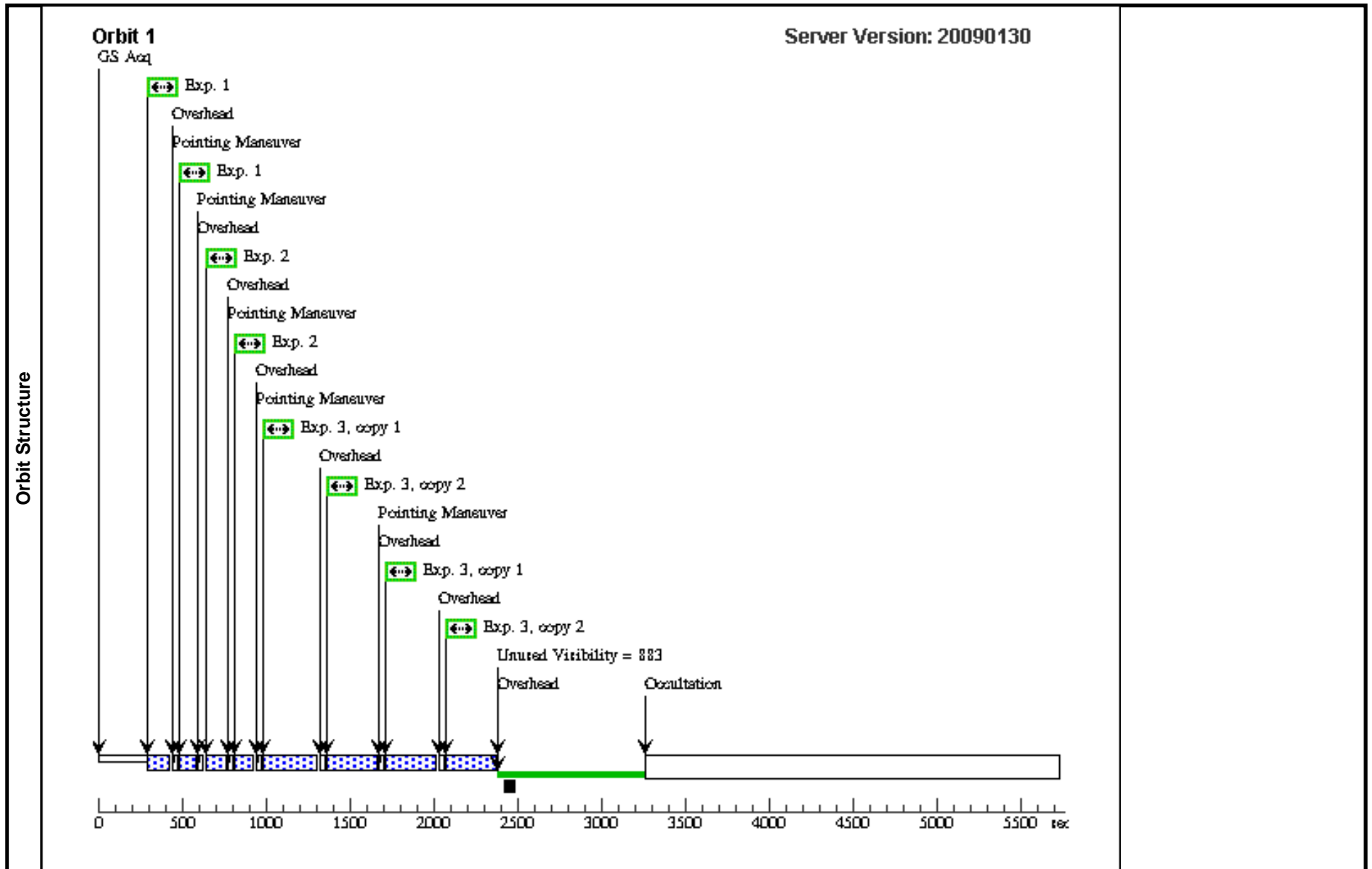
Visit	Proposal 11599, Visit 42, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	# (3) Primary Pattern Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false	Secondary Pattern	Exposures (1), (2)					
Fixed Targets	# (42)	Name NGC1501	Target Coordinates RA: 04 06 59.4200 (61.7475833d) Dec: +60 55 15.00 (60.92083d) Equinox: J2000	Targ. Coord. Corrections	Fluxes V=14.36+/-0.1	Miscellaneous Reference Frame: ICRS				
Exposures	# 1	Label (42) NGC1501	Target (42) NGC1501	Config,Mode,Aperture ACS/WFC, ACCUM, WFC1-1K	Spectral Els. F814W	Opt. Params.	Special Reqs.	Groups Pattern 3, Exps 1-1 (3)	Exp. Time/[Actual Dur.] 5 Secs X 2 [=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)]	Orbit [1]
	# 2	Label (42) NGC1501	Target (42) NGC1501	Config,Mode,Aperture ACS/WFC, ACCUM, WFC1-1K	Spectral Els. F555W	Opt. Params.	Special Reqs.	Groups Pattern 3, Exps 2-2 (3)	Exp. Time/[Actual Dur.] 6 Secs X 4 [=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 1, Copy 3)] [=>(Pattern 1, Copy 4)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)] [=>(Pattern 2, Copy 3)] [=>(Pattern 2, Copy 4)]	Orbit [1]



Proposal 11599 - Visit 43 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:28 GMT 2009

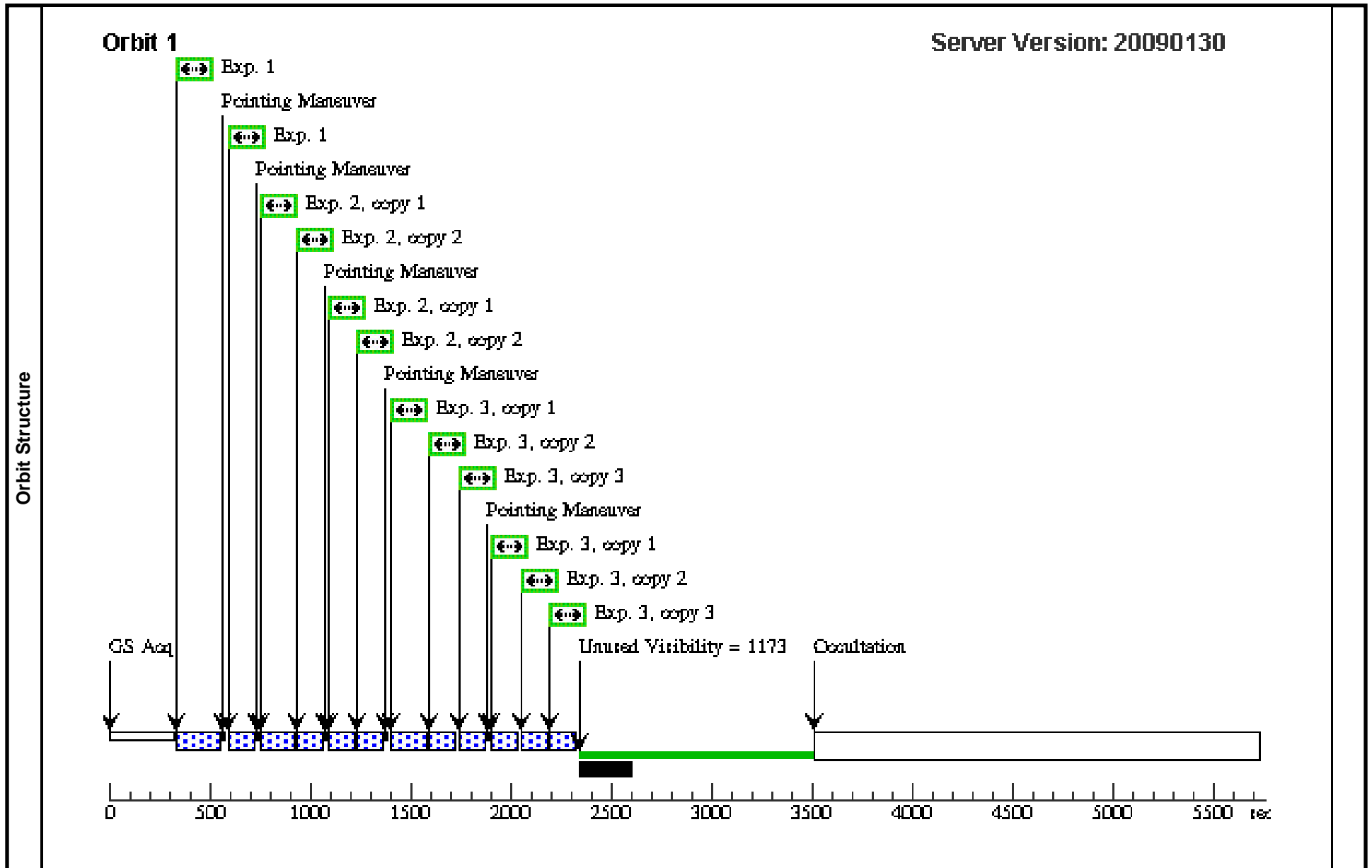
Visit	Proposal 11599, Visit 43, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(2)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(1), (2), (3)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(43)	NGC2452	RA: 07 47 26.2000 (116.8591667d) Dec: -27 20 6.50 (-27.33514d) Equinox: J2000		V=17.46+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(43) NGC2452	(43) NGC2452	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-1 (2)	100 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	(43) NGC2452	(43) NGC2452	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 2-2 (2)	110 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	(43) NGC2452	(43) NGC2452	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 3-3 (2)	300 Secs X 2 [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]



Proposal 11599 - Visit 44 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:29 GMT 2009

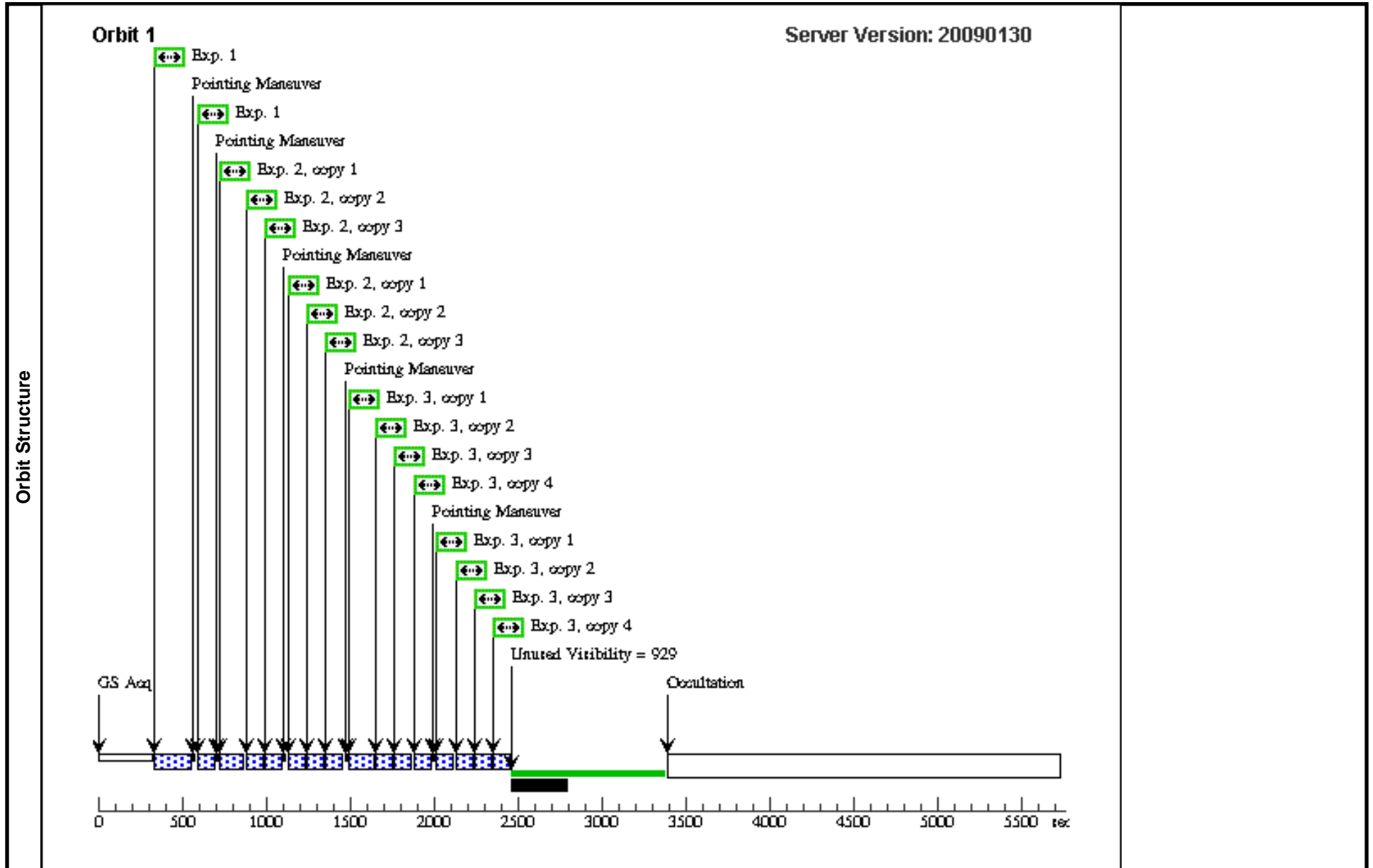
Visit	Proposal 11599, Visit 44, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1), (2), (3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(44)	NGC2867	RA: 09 21 25.3100 (140.3554583d) Dec: -58 18 41.90 (-58.31164d) Equinox: J2000		V=16.03+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(44) NGC2867	(44) NGC2867	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	30 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	(44) NGC2867	(44) NGC2867	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	30 Secs X 2	
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	
3	(44) NGC2867	(44) NGC2867	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 3-3 (3)	35 Secs X 3		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]	



Proposal 11599 - Visit 45 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:29 GMT 2009

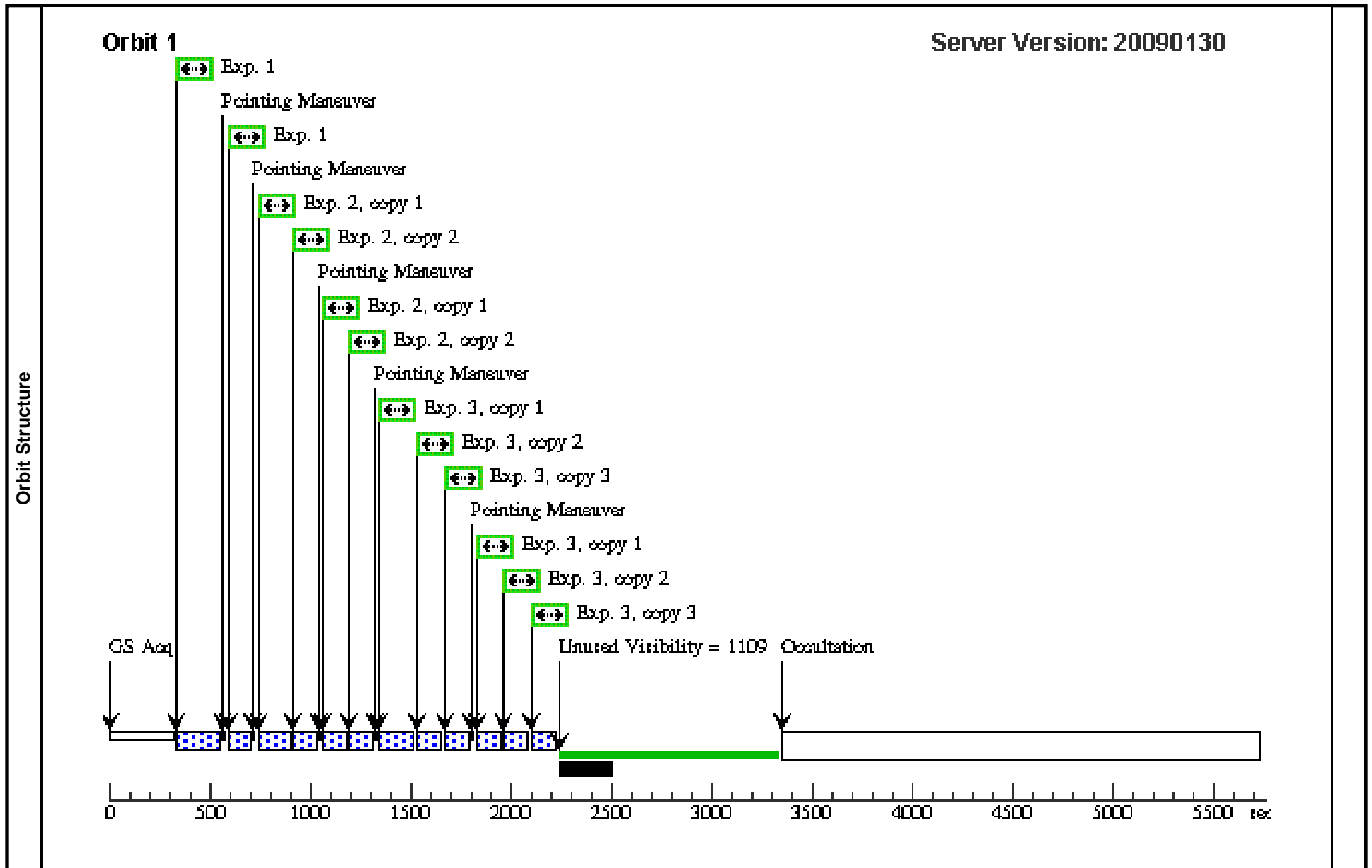
Visit	Proposal 11599, Visit 45, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1), (2), (3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(45)	NGC5882	RA: 15 16 50.0700 (229.2086250d) Dec: -45 38 59.20 (-45.64978d) Equinox: J2000		V=13.42+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(45) NGC5882	(45) NGC5882	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	3 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	(45) NGC5882	(45) NGC5882	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	2.5 Secs X 3	
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]	
3	(45) NGC5882	(45) NGC5882	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 3-3 (3)	3 Secs X 4		
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]	



Proposal 11599 - Visit 46 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:29 GMT 2009

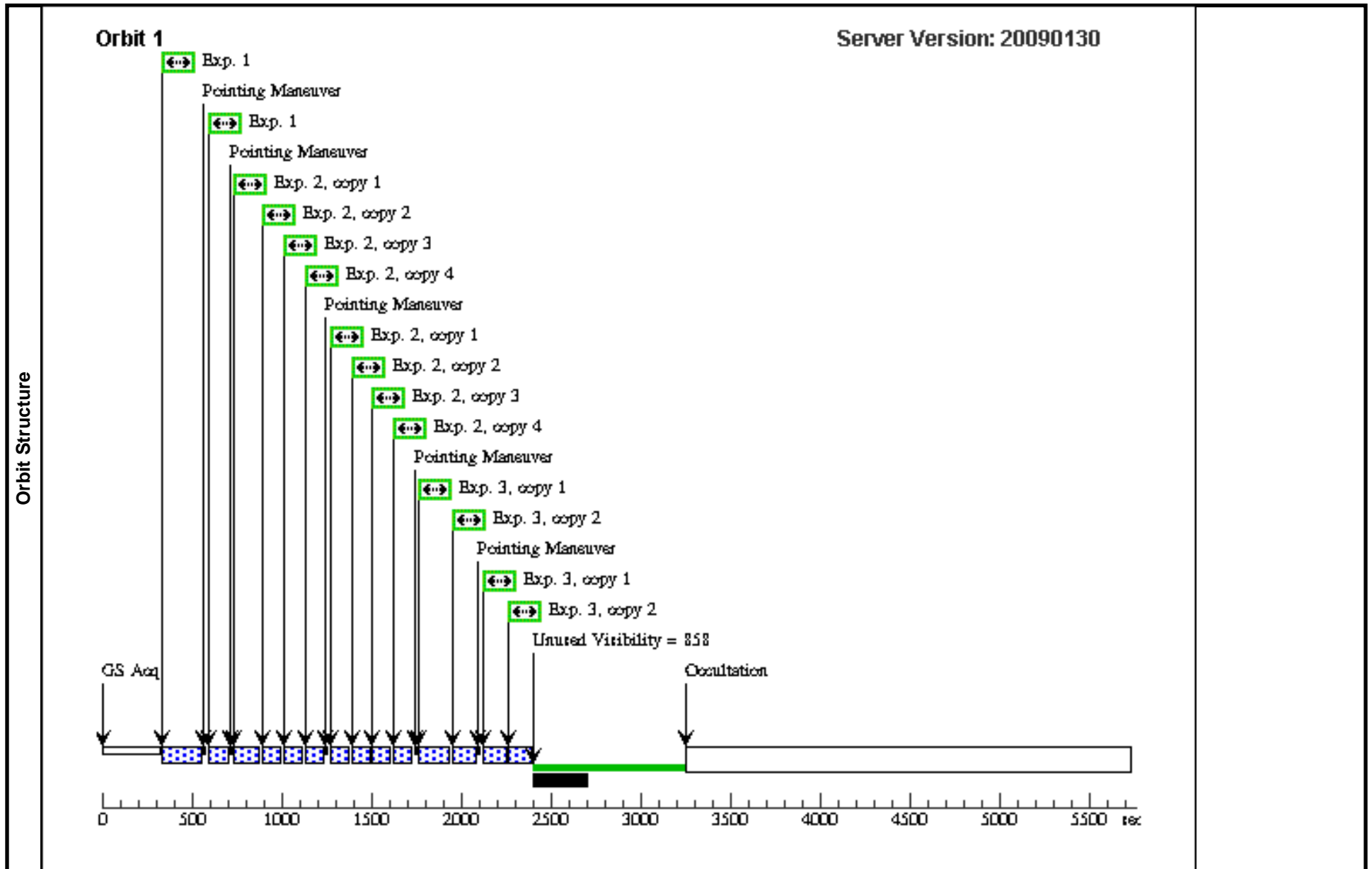
Visit	Proposal 11599, Visit 46, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
(3)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false					(1), (2), (3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(46)	NGC6153	RA: 16 31 30.5800 (247.8774167d) Dec: -40 15 12.80 (-40.25356d) Equinox: J2000				V=15.55+/-0.1	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(46) NGC6153	(46) NGC6153	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	16 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	(46) NGC6153	(46) NGC6153	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	20 Secs X 2 [=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)]	[1]
	3	(46) NGC6153	(46) NGC6153	ACS/WFC, ACCUM, WFC1-1K	F435W			Pattern 3, Exps 3-3 (3)	27 Secs X 3 [=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 1, Copy 3)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)] [=>(Pattern 2, Copy 3)]	[1]



Proposal 11599 - Visit 47 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:29 GMT 2009

Visit	Proposal 11599, Visit 47, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false		(1), (2), (3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(47)	NGC6905	RA: 20 22 22.9200 (305.5955000d) Dec: +20 06 16.30 (20.10453d) Equinox: J2000		V=14.4+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(47) NGC6905	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	12 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(47) NGC6905	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	8 Secs X 4	
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)]	[1]	
3		(47) NGC6905	ACS/WFC, ACCUM, WFC1-1K	F435W				Pattern 3, Exps 3-3 (3)	30 Secs X 2	
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	



Proposal 11599 - Visit 48 - Distances of Planetary Nebulae from SNAPshots of Resolved Companions

Tue Jun 30 02:16:30 GMT 2009

Visit	Proposal 11599, Visit 48, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false					(1), (2), (3)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(48)	HFG1	RA: 03 03 47.0000 (45.9458333d) Dec: +64 54 36.10 (64.91003d) Equinox: J2000		V=12.8+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(48) HFG1	ACS/WFC, ACCUM, WFC1-1K	F814W			Pattern 3, Exps 1-1 (3)	2.5 Secs X 2	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]
	2		(48) HFG1	ACS/WFC, ACCUM, WFC1-1K	F555W			Pattern 3, Exps 2-2 (3)	8 Secs X 2	
								[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[1]	
3		(48) HFG1	ACS/WFC, ACCUM, WFC1-1K	F435W				Pattern 3, Exps 3-3 (3)	16 Secs	
								[==>(Pattern 1)] [==>(Pattern 2)]	[1]	

