



15211 - Carbon in dusty, compact Galactic planetary nebulae: A study of AGB evolution and recycling in the Milky Way

Cycle: 25, Proposal Category: SNAP

(Availability Mode: AVAILABLE)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Letizia Stanghellini (PI) (Contact)	National Optical Astronomy Observatory, AURA	lstanghellini@noao.edu
Dr. Flavia Dell'Agli (CoI) (ESA Member)	Instituto de Astrofisica de Canarias	flaviadellagli@gmail.com
Dr. Anibal Garcia-Hernandez (CoI) (ESA Member)	Instituto de Astrofisica de Canarias	agarcia@iac.es
Dr. Richard Shaw (CoI)	Space Telescope Science Institute	shaw@stsci.edu
Dr. Paolo Ventura (CoI) (ESA Member)	INAF, Osservatorio Astronomico di Roma	paolo.ventura@oa-roma.inaf.it

VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) PN-G000.8-07.6.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:08.0	yes
02	(2) PN-G014.0-05.5.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:08.0	yes
03	(3) PN-G021.1-05.9.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:09.0	yes
04	(4) PN-G025.3-04.6.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:09.0	yes
05	(5) PN-G026.5-03.0.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:10.0	yes

Proposal 15211 (STScI Edit Number: 4, Created: Friday, December 29, 2017 1:03:41 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
06	(6) PN-G042.9-06.9.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:10.0	yes
07	(7) PN-G044.1+05.8.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:11.0	yes
08	(8) PN-G048.5+04.2.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:11.0	yes
09	(9) PN-G052.9-02.7.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:12.0	yes
10	(10) PN-G053.3+24.0.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:12.0	yes
11	(11) PN-G059.9+02.0.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:13.0	yes
12	(12) PN-G068.7+01.9.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:13.0	yes
13	(13) PN-G068.7+14.8.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:14.0	yes
14	(14) PN-G079.9+06.4.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:14.0	yes
15	(15) PN-G097.6-02.4.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:14.0	yes
16	(16) PN-G098.2+04.9.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:15.0	yes
17	(17) PN-G104.1+01.0.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:15.0	yes
18	(18) PN-G107.4-02.6.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:16.0	yes
19	(19) PN-G184.0-02.1.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:16.0	yes

Proposal 15211 (STScI Edit Number: 4, Created: Friday, December 29, 2017 1:03:41 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
20	(20) PN-G263.0-05.5.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:17.0	yes
21	(21) PN-G264.4-12.7.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:17.0	yes
22	(22) PN-G275.3-04.7.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:17.0	yes
23	(23) PN-G278.6-06.7.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:18.0	yes
24	(24) PN-G285.4+01.5.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:18.0	yes
25	(25) PN-G285.4+02.2.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:19.0	yes
26	(26) PN-G286.0-06.5.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:19.0	yes
27	(27) PN-G289.8+07.7.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:19.0	yes
28	(28) PN-G294.9-04.3.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:20.0	yes
29	(29) PN-G295.3-09.3.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:20.0	yes
30	(30) PN-G296.3-03.0.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:21.0	yes
31	(31) PN-G309.0+00.8.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:21.0	yes
32	(32) PN-G309.5-02.9.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:22.0	yes
33	(33) PN-G324.8-01.1.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:22.0	yes

Proposal 15211 (STScI Edit Number: 4, Created: Friday, December 29, 2017 1:03:41 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
34	(34) PN-G327.1-01.8.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:22.0	yes
35	(35) PN-G327.8-06.1.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:23.0	yes
36	(36) PN-G334.8-07.4.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:23.0	yes
37	(37) PN-G336.9+08.3.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:24.0	yes
38	(38) PN-G340.9-04.6.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:24.0	yes
39	(39) PN-G341.5-09.1.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:24.0	yes
40	(40) PN-G343.4+11.9.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:25.0	yes
41	(41) PN-G344.2+04.7.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:25.0	yes
42	(42) PN-G344.8+03.4.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:26.0	yes
43	(43) PN-G345.0+04.3.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:26.0	yes
44	(44) PN-G348.4-04.1.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:26.0	yes
45	(45) PN-G351.3+07.6.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:27.0	yes
46	(46) PN-G356.5+01.5.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:27.0	yes
47	(47) PN-G358.6+07.8.	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:28.0	yes

Proposal 15211 (STScI Edit Number: 4, Created: Friday, December 29, 2017 1:03:41 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
48	(48) PN-G000.8-01.5	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:28.0	yes
49	(49) PN-G002.4-03.7	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:28.0	yes
50	(50) PN-G003.9-14.9	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:29.0	yes
51	(51) PN-G008.1-04.7	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:29.0	yes
52	(52) PN-G010.6+03.2	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:30.0	yes
53	(53) PN-G011.0-05.1	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:30.0	yes
54	(54) PN-G011.1+07.0	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:31.0	yes
55	(55) PN-G012.5-09.8	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:31.0	yes
56	(56) PN-G012.6-02.7	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:31.0	yes
57	(57) PN-G032.5-03.2	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:32.0	yes
58	(58) PN-G038.4-03.3	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:32.0	yes
59	(59) PN-G051.0+02.8	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:33.0	yes
60	(60) PN-G329.4-02.7	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:33.0	yes
61	(61) PN-G331.0-02.7	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:34.0	yes

Proposal 15211 (STScI Edit Number: 4, Created: Friday, December 29, 2017 1:03:41 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
62	(62) PN-G006.1+08.3	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:34.0	yes
63	(63) PN-G019.7-04.5	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:34.0	yes
64	(64) PN-G095.2+00.7	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:35.0	yes
65	(65) PN-G211.2-03.5	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:35.0	yes
66	(66) PN-G212.0+04.3	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:36.0	yes
67	(67) PN-G232.8-04.7	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:36.0	yes
68	(68) PN-G235.3-03.9	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:36.0	yes
69	(69) PN-G281.0-05.6	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:37.0	yes
70	(70) PN-G004.3-02.6	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:37.0	yes
71	(71) PN-G038.7-03.3	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:38.0	yes
72	(72) PN-G059.4+02.3	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:38.0	yes
73	(73) PN-G324.2+02.5	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:38.0	yes
74	(74) PN-G355.2-02.5	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:39.0	yes
75	(75) PN-G356.2-04.4	STIS/FUV-MAMA STIS/NUV-MAMA	1	29-Dec-2017 13:03:39.0	yes

75 Total Orbits Used

ABSTRACT

We propose a snapshot survey of compact Galactic planetary nebulae (PNe) to acquire their UV spectra, with the aim of determining their gas-phase carbon abundances. Planetary nebulae are major cosmic recyclers, and their carbon content is essential to constrain the models of Asymptotic Giant Branch (AGB) evolution. There is an observed correlation between the gas and dust components of PNe in the Magellanic Clouds, but such a relation cannot yet be established for Galactic PNe given the lack of gas-phase carbon abundances of PNe whose dust composition is known. With our program we will measure carbon abundances for a set of compact Galactic PNe previously imaged with the HST cameras, whose dust content is known from IR/Spitzer spectral analysis, and whose ground-based optical spectra are also available from ancillary data sets. We plan to study carbon abundances of Galactic PNe in the framework of the yields from AGB evolution, especially with recent models that include dust evolution. Finally, we will compare the results of the Galactic study with similar studies based on LMC and SMC PNe, to gain insight of AGB evolution at different metallicities.

OBSERVING DESCRIPTION

We calculate the counts for stars, nebulae, and background separately. For the stars we used a Black Body and entered the measured Zanstra temperature, the observed reddening, and the observed central star V magnitudes. Counts are for the 52x2 aperture.

For the nebulae, we used extended object counts. We distinguish between low and high excitation, and used the template spectra in the ETC for high excitation and a low resolution spectra observed with HST for low excitation. The nebular part includes the nebular continuum (but excludes the central star). The flux density has been scaled with the Hbeta flux, measured (it is actually a flux density surface brightness, given that the PN will be seen extended with HST). Nebular counts are for the slitless clear aperture.

The background, calculated for the clear slitless aperture, has then be scaled for the 6x6 aperture.

In the table:

- 1) APT#
- (2) PN G names
- (3) angular diameter in arcsec

Proposal 15211 (STScI Edit Number: 4, Created: Friday, December 29, 2017 1:03:41 PM EST) - Overview

- (4) surface brightness density at Hbeta (to normalize the template)
- (5) effective temperature in 10^3 K (measured except 71, 72 assumed 100,000 K)
- (6) E(B-V)
- (7) V magnitude of central star except 63, 64, 72 (B mag) and 70 (J mag)
- (8) and (9): ETC number and counts/s for the G140L grating, nebular
- (10) and (11): ETC number and counts/s for the G140L grating, stellar
- (12) and (13): ETC number and counts/s for the G230L grating, nebular
- (14) and (15): ETC number and counts/s for the G230L grating, stellar
- (16) global counts/s for G140L (includes nebular, stellar, and bkg)
- (17) global counts/s for G230L (includes nebular, stellar, and bkg)
- (18) excitation flag

#apt	PNG	D	SBdens_Hbeta	Teff	EBV	V	ETC_FUV_PN	c_FUV_PN	ETC_FUV_CS	c_FUV_CS	ETC_NUV_PN	c_NUV_PN	ETC_NUV_CS	c_NUV_CS	c_FUV	c_NUV	flag
1	000.8-07.6	2.66	3.076e-14	63	0.280	18.90	1024981	34.817	1022821	122.650	1024982	124.927	1022822	114.991	980.751	343.053	0
2	014.0-05.5	7.60	6.112e-14	86	0.880	17.28	1024985	35.474	1022864	14.468	1024984	367.387	1022865	36.990	873.226	507.512	0
3	021.1-05.9	4.12	4.550e-14	138	0.380	20.98	1024989	75.975	1023211	9.045	1024988	321.539	1023212	7.858	908.304	432.532	0
4	025.3-04.6	0.96	5.288e-13	54	0.360	16.82	1024990	55.028	1023216	264.838	1024991	225.232	1023214	310.889	1143.150	639.256	0
5	026.5-03.0	5.86	5.152e-14	35	0.700	16.15	1024993	39.897	1023217	43.535	1024992	297.280	1023218	137.086	906.716	537.501	0
6	042.9-06.9	0.96	4.605e-12	52	0.290	15.14	1024994	646.757	1023220	1774.237	1024995	2377.804	1023219	1886.573	3244.278	4367.512	0
7	044.1+05.8	7.68	6.125e-15	25	1.020	16.89	1025230	1.806	1023221	2.104	1025229	27.873	1023222	19.634	827.194	150.642	1

Proposal 15211 (STScI Edit Number: 4, Created: Friday, December 29, 2017 1:03:41 PM EST) - Overview

8	048.5+04.2	3.10	1.758e-13	131	1.180	20.65	1024998	4.616	1023226	0.161	1024998	90.141	1023223	0.686	828.061
	193.962	0													
9	052.9-02.7	7.60	6.400e-15	64	2.070	19.06	1025001	3.715	1023229	0.006	1025000	38.470	1023232	0.207	827.005
	141.812	0													
10	053.3+24.0	4.64	6.835e-14	103	0.190	17.37	1025002	755.575	1023237	662.447	1025003	1851.821	1023236	443.527	
	2241.306	2398.483	0												
11	059.9+02.0	2.68	1.004e-12	30	2.080	17.89	1025232	0.354	1023381	0.006	1025233	58.966	1023382	0.445	823.644
	162.546	1													
12	068.7+01.9	3.52	1.302e-13	77	1.160	19.15	1025236	4.317	1023384	0.560	1025235	94.460	1023383	2.660	828.161
	200.255	1													
13	068.7+14.8	1.18	8.204e-13	61	0.270	16.10	1025005	192.459	1023381	8.167	1025004	682.987	1023386	50.518	1023.910
	836.640	0													
14	079.9+06.4	5.54	1.953e-14	105	1.000	20.69	1025006	3.339	1023388	0.366	1025007	45.820	1023387	1.125	826.989
	150.080	0													
15	097.6-02.4	4.72	2.238e-14	80	0.570	18.39	1025010	32.969	1028748	26.584	1025011	161.205	1028749	37.971	882.837
	302.311	0													
16	098.2+04.9	2.58	2.783e-13	120	1.750	21.13	1025009	1.806	1028750	0.006	1025008	57.889	10287501	0.083	825.096
	161.107	0													
17	104.1+01.0	1.94	2.467e-12	60	2.070	20.71	1025237	0.473	1028753	0.001	1025238	78.775	1028752	0.045	823.758
	181.955	1													
18	107.4-02.6	3.54	3.714e-14	110	0.970	20.22	1025012	4.597	1028754	0.673	1025012	49.813	1028754	1.923	828.554
	154.871	0													
19	184.0-02.1	2.06	4.468e-12	41	1.010	16.27	1025014	45.752	1028757	9.683	1025015	959.174	1028756	48.944	878.719
	1111.253	0													
20	263.0-05.5	2.70	4.028e-13	68	0.600	15.96	1025017	104.826	1028758	189.503	1025016	663.053	1028758	306.348	
	1117.613	1072.536	0												
21	264.4-12.7	2.64	5.304e-13	41	0.230	14.87	1025018	841.030	1028761	2378.768	1025019	2678.690	1028763	2725.671	
	4043.083	5507.497	0												
22	275.3-04.7	3.40	1.640e-13	114	0.570	19.26	1025021	79.492	1028765	14.249	1025020	468.664	1028764	18.288	917.025

Proposal 15211 (STScI Edit Number: 4, Created: Friday, December 29, 2017 1:03:41 PM EST) - Overview

37	336.9+08.3	3.54	1.861e-13	28	1.040	15.81	1024745	11.483	1023499	6.645	1024743	12.604	1023498	45.079	841.412
	160.818	0													
38	340.9-04.6	2.24	4.981e-13	58	1.110	18.99	1024747	9.064	1023500	0.684	1024749	18.071	1023501	2.757	833.032
	123.963	0													
39	341.5-09.1	2.74	7.117e-14	31	0.280	15.61	1024751	83.986	1028784	563.304	1024750	28.442	1028784	939.384	1470.574
	1070.961	0													
40	343.4+11.9	3.08	4.474e-14	75	0.315	17.14	1024759	56.432	1023504	334.677	1024759	215.555	1023505	249.748	
	1214.393	568.438	0												
41	344.2+04.7	1.10	4.416e-12	35	0.830	15.73	1024752	68.364	1023507	32.239	1024757	155.870	1023506	108.046	923.887
	367.051	0													
42	344.8+03.4	4.64	6.680e-15	34	0.400	18.10	1024762	12.796	1023508	34.841	1024761	56.004	1023509	52.505	870.921
	211.644	0													
43	345.0+04.3	4.38	4.622e-14	30	1.090	15.26	1024763	3.199	1028786	9.821	1024764	54.178	1028787	81.570	836.304
	238.883	0													
44	348.4-04.1	1.94	1.102e-12	39	1.220	17.65	1024766	9.413	1028790	0.003	1024765	203.324	1028788	0.141	832.700
	306.600	0													
45	351.3+07.6	1.06	8.264e-13	33	0.490	16.07	1024767	55.987	1028792	130.890	1024768	290.284	1028793	294.793	
	1010.161	688.212	0												
46	356.5+01.5	4.56	2.511e-13	43	1.960	19.63	1025241	0.413	1023516	0.004	1025242	52.207	1023517	0.122	823.701
	155.464	1													
47	358.6+07.8	3.98	8.670e-14	38	0.740	17.03	1024770	25.641	1028796	17.814	1024769	210.099	1028795	55.873	866.739
	369.107	0													
48	000.8-01.5	0.50	5.753e-11	95	1.867	17.60	1025244	1.571	1023520	0.074	1025243	179.669	1023514	1.243	824.929
	284.047	1													
49	002.4-03.7	3.30	6.931e-13	36	0.860	14.45	1025245	75.712	1023523	93.698	1025247	887.692	1023522	324.098	992.694
	1314.925	1													
50	003.9-14.9	4.00	2.778e-13	50	0.600	13.97	1024774	1079.353	1023524	898.245	1024773	3341.196	1023525	1407.596	
	2800.883	4851.927	0												
51	008.1-04.7	3.20	2.556e-13	44	0.643	15.80	1025250	72.897	1023529	113.409	1025249	541.317	1023528	212.305	

Proposal 15211 (STScI Edit Number: 4, Created: Friday, December 29, 2017 1:03:41 PM EST) - Overview

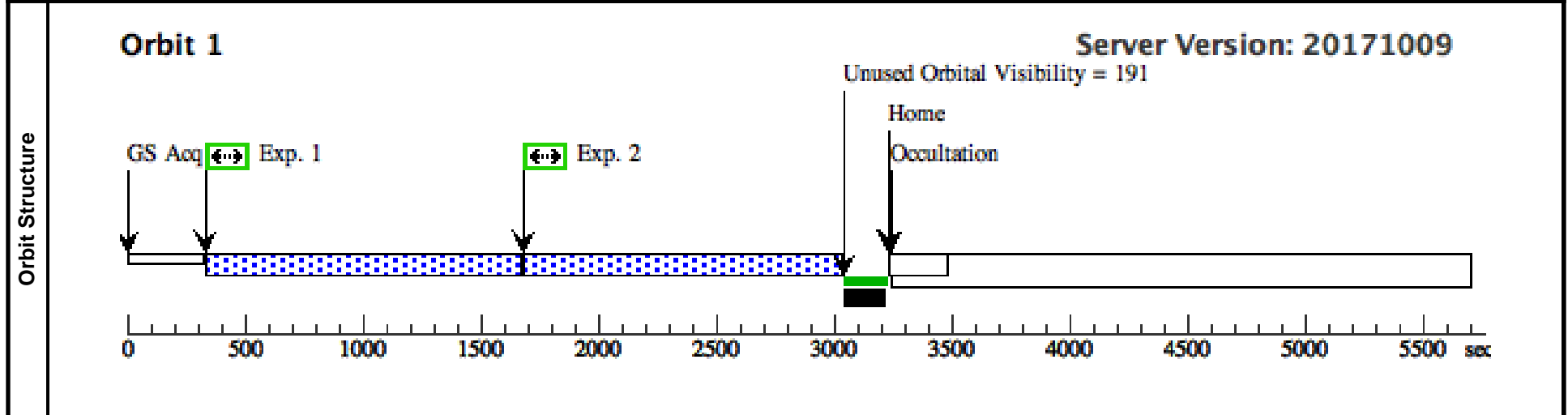
66	212.0+04.3	1.10	1.758e-12	44	0.559	15.60	1025274	88.890	1028853	214.858	1025273	564.172	1028851	418.710	1127.032	1086.017	1
67	232.8-04.7	1.10	2.018e-11	32	1.100	13.95	1025275	74.618	1028855	34.778	1025276	1577.896	1028857	274.471	932.680	1955.502	1
68	235.3-03.9	0.90	8.498e-12	33	0.600	14.18	1025278	278.244	1028860	411.859	1025277	1792.369	1028859	1140.415	1513.387	3035.919	1
69	281.0-05.6	1.00	3.075e-11	56	0.371	14.48	1025279	3213.674	1028862	2232.363	1025279	14023.589	1028865	2613.220	6269.321	16739.943	1
70	004.3-02.6	0.50	5.753e-11	38	1.462	14.11	1025282	9.416	1023848	0.595	1025281	429.721	1023849	8.369	833.295	541.225	1
71	038.7-03.3	0.50	2.629e-11	100	1.007	13.70	1024786	35.889	1023853	215.722	1024785	520.575	1023854	682.346	1074.895	1306.056	0
72	059.4+02.3	0.50	1.175e-11	100	1.357	17.80	1025283	3.069	1023856	2.012	1025284	110.672	1023855	13.319	828.365	227.126	1
73	324.2+02.5	3.00	7.826e-13	39	1.273	15.00	1025287	10.654	1023857	7.567	1025288	310.136	1023858	69.417	841.505	482.688	1
74	355.2-02.5	0.50	1.230e-11	30	1.049	15.53	1025286	12.958	1028869	72.055	1025285	235.107	1028870	9.447	908.297	347.689	1
75	356.2-04.4	2.40	8.657e-13	79	0.500	14.00	1024787	290.384	1028871	2219.607	1024788	1515.286	1028872	2788.756	3333.276	4407.177	0

Visit	Proposal 15211, Visit 01, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 01) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 01) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 01) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>PN-G000.8-07.6.</td> <td>RA: 18 18 37.4680 (274.6561167d) Dec: -31 54 45.07 (-31.91252d) Equinox: J2000</td> <td></td> <td>V=18.9 -11.69</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	PN-G000.8-07.6.	RA: 18 18 37.4680 (274.6561167d) Dec: -31 54 45.07 (-31.91252d) Equinox: J2000		V=18.9 -11.69	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(1)	PN-G000.8-07.6.	RA: 18 18 37.4680 (274.6561167d) Dec: -31 54 45.07 (-31.91252d) Equinox: J2000		V=18.9 -11.69	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(1) PN-G000.8-07.6.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(1) PN-G000.8-07.6.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]

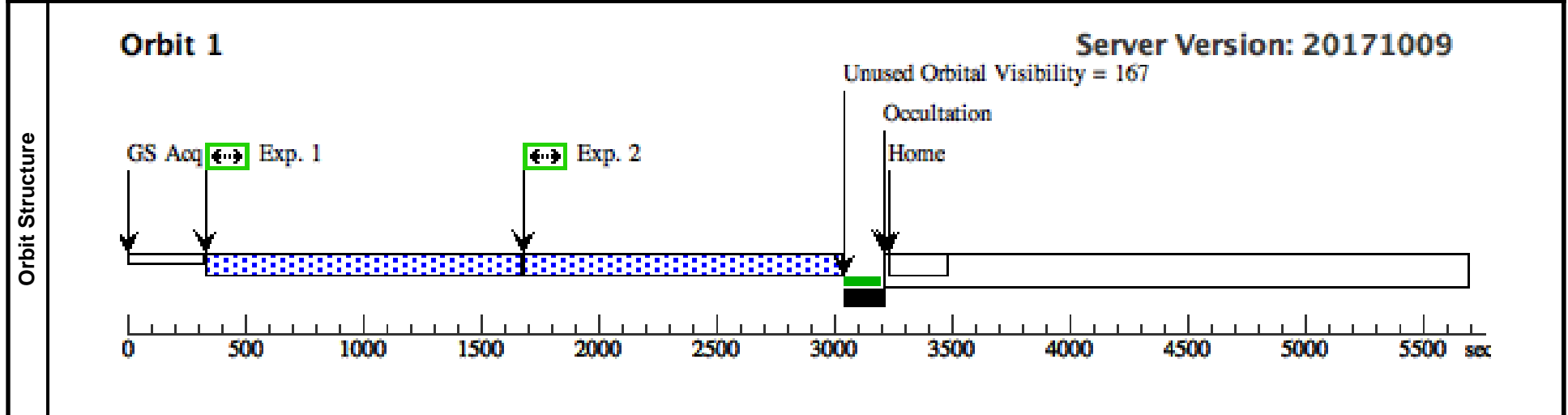


Visit	Proposal 15211, Visit 02, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 02) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 02) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 02) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td>PN-G014.0-05.5.</td> <td>RA: 18 36 32.3210 (279.1346708d) Dec: -19 19 27.62 (-19.32434d) Equinox: J2000</td> <td></td> <td>V=17.28 -11.29</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	PN-G014.0-05.5.	RA: 18 36 32.3210 (279.1346708d) Dec: -19 19 27.62 (-19.32434d) Equinox: J2000		V=17.28 -11.29	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(2)	PN-G014.0-05.5.	RA: 18 36 32.3210 (279.1346708d) Dec: -19 19 27.62 (-19.32434d) Equinox: J2000		V=17.28 -11.29	Reference Frame: ICRS								
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(2) PN-G014.0-05.5.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs) [=>]	[1]
2	(1007738)	(2) PN-G014.0-05.5.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs) [=>]	[1]	



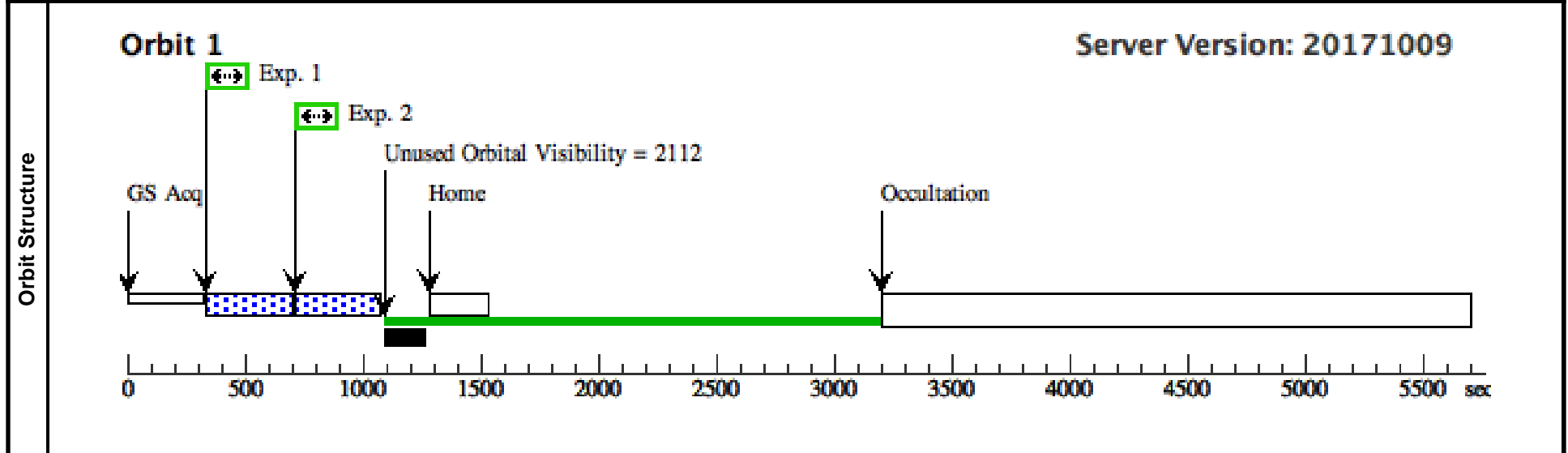
Visit	Proposal 15211, Visit 03, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)									
	(Visit 03) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS. (Visit 03) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL (Visit 03) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	PN-G021.1-05.9.	RA: 18 51 30.9240 (282.8788500d) Dec: -13 10 37.24 (-13.17701d) Equinox: J2000		V=20.98 -11.17	Reference Frame: ICRS				
Comments: Category=ISM Description=[PLANETARY NEBULA]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(3) PN-G021.1-05.9.	STIS/FUV-MAMA, ACCUM, 6X6	G140L	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
					1425 A				[=>]	[1]
	2	(1007738)	(3) PN-G021.1-05.9.	STIS/NUV-MAMA, ACCUM, 6X6	G230L	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
				2376 A				[=>]	[1]	
Orbit Structure	<p>Orbit 1 Server Version: 20171009</p> <p style="text-align: center;">Unused Orbital Visibility = 160</p> <p>The diagram shows a horizontal timeline from 0 to 5500 seconds. A blue checkered bar represents the science observation period, starting at approximately 400 seconds and ending at 3100 seconds. Two green boxes with double arrows labeled 'Exp. 1' and 'Exp. 2' are positioned above the blue bar at approximately 400 and 1700 seconds respectively. A green bar labeled 'Occultation' is located below the blue bar, starting at 3100 seconds and ending at 3200 seconds. A vertical line labeled 'Home' is at 3200 seconds. The text 'Unused Orbital Visibility = 160' is centered above the timeline.</p>									
	<p>Timeline labels: GS Acq, Exp. 1, Exp. 2, Occultation, Home. X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec.</p>									

Visit	Proposal 15211, Visit 04, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 04) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 04) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 04) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>PN-G025.3-04.6.</td> <td>RA: 18 54 20.0390 (283.5834958d) Dec: -08 47 32.93 (-8.79248d) Equinox: J2000</td> <td></td> <td>V=16.82 -11.32</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	PN-G025.3-04.6.	RA: 18 54 20.0390 (283.5834958d) Dec: -08 47 32.93 (-8.79248d) Equinox: J2000		V=16.82 -11.32	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(4)	PN-G025.3-04.6.	RA: 18 54 20.0390 (283.5834958d) Dec: -08 47 32.93 (-8.79248d) Equinox: J2000		V=16.82 -11.32	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(4) PN-G025.3-04.6.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		236 Secs (236 Secs)	[1]
	2	(1007738)	(4) PN-G025.3-04.6.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		208 Secs (208 Secs)	[1]

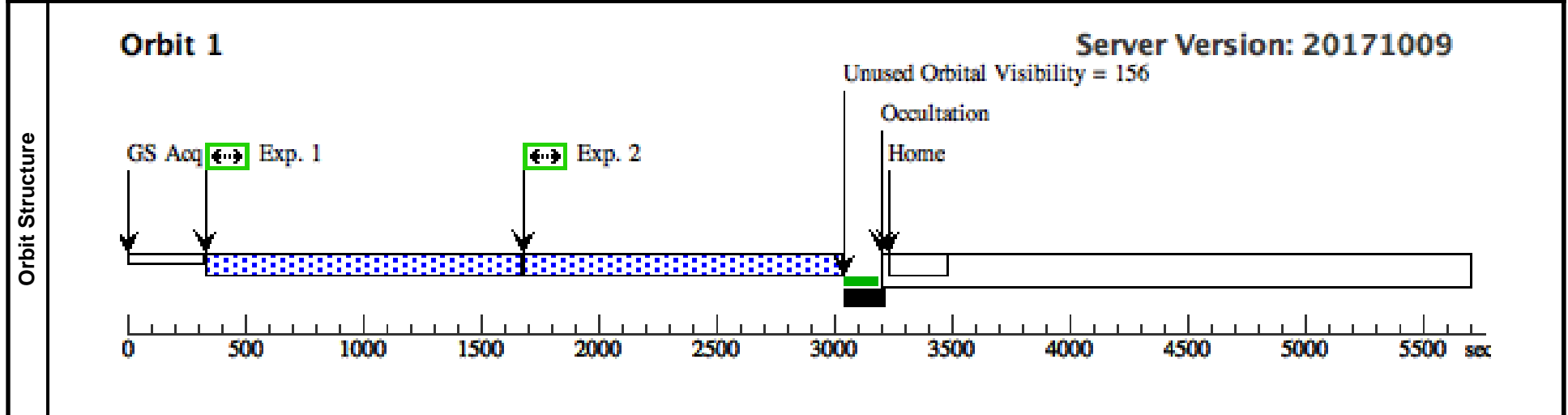


Visit	Proposal 15211, Visit 05, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 05) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 05) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 05) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(5)</td> <td>PN-G026.5-03.0.</td> <td>RA: 18 49 44.6850 (282.4361875d) Dec: -07 01 35.30 (-7.02647d) Equinox: J2000</td> <td></td> <td>V=16.15 -11.47</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(5)	PN-G026.5-03.0.	RA: 18 49 44.6850 (282.4361875d) Dec: -07 01 35.30 (-7.02647d) Equinox: J2000		V=16.15 -11.47	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(5)	PN-G026.5-03.0.	RA: 18 49 44.6850 (282.4361875d) Dec: -07 01 35.30 (-7.02647d) Equinox: J2000		V=16.15 -11.47	Reference Frame: ICRS								
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(5) PN-G026.5-03.0.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
2	(1007738)	(5) PN-G026.5-03.0.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]	

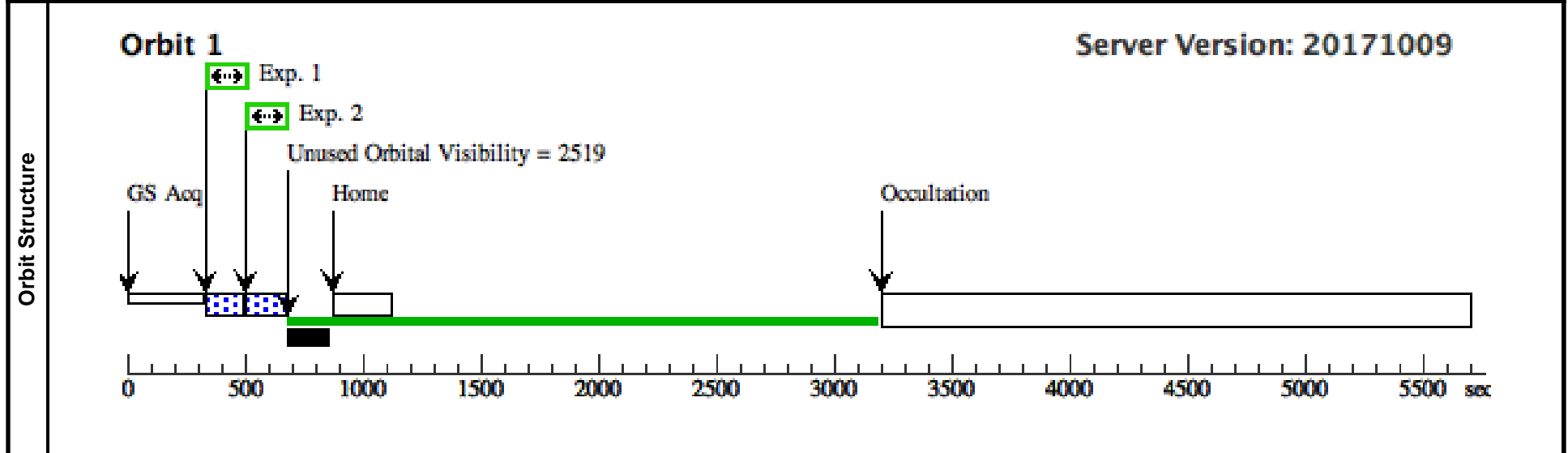


Visit	Proposal 15211, Visit 06, implementation				
	Diagnostic Status: Warning				
	Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA				

Diagnostics	(Visit 06) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.				
	(Visit 06) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL				
	(Visit 06) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	PN-G042.9-06.9.	RA: 19 34 33.5410 (293.6397542d) Dec: +05 41 3.03 (5.68418d) Equinox: J2000		V=15.14 -11.8	Reference Frame: ICRS
	<i>Comments:</i> Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(6) PN-G042.9-06.9.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		20 Secs (20 Secs) [=>]	[1]
	2	(1007738)	(6) PN-G042.9-06.9.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		17 Secs (17 Secs) [=>]	[1]

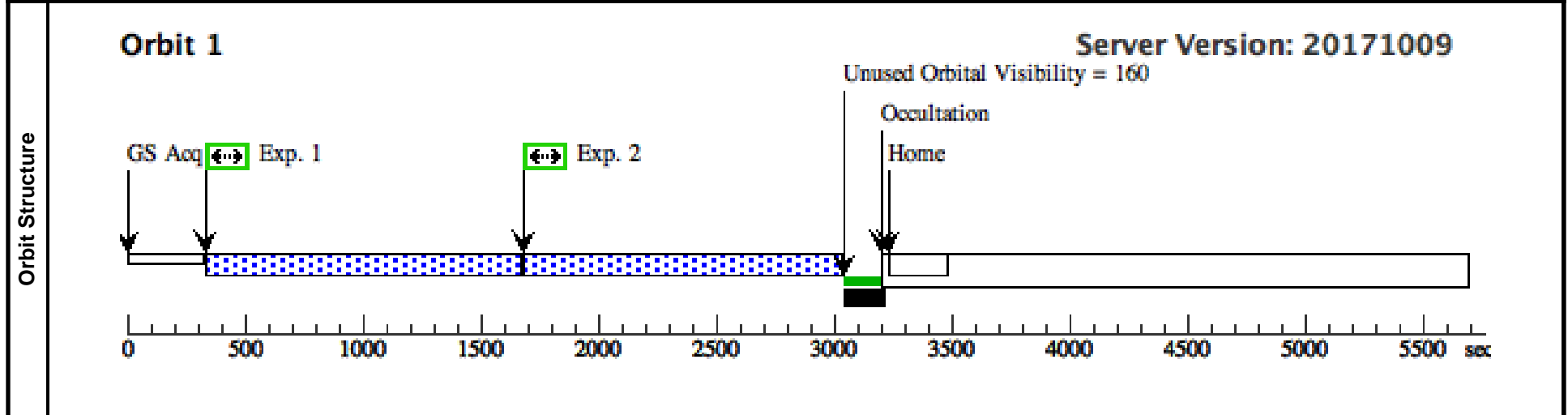


Visit	Proposal 15211, Visit 07, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 07) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 07) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 07) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(7)</td> <td>PN-G044.1+05.8.</td> <td>RA: 18 50 46.8500 (282.6952083d) Dec: +12 37 30.10 (12.62503d) Equinox: J2000</td> <td></td> <td>V=16.89 -12.87</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(7)	PN-G044.1+05.8.	RA: 18 50 46.8500 (282.6952083d) Dec: +12 37 30.10 (12.62503d) Equinox: J2000		V=16.89 -12.87	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(7)	PN-G044.1+05.8.	RA: 18 50 46.8500 (282.6952083d) Dec: +12 37 30.10 (12.62503d) Equinox: J2000		V=16.89 -12.87	Reference Frame: ICRS								
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(7) PN-G044.1+05.8.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
2	(1007738)	(7) PN-G044.1+05.8.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]	

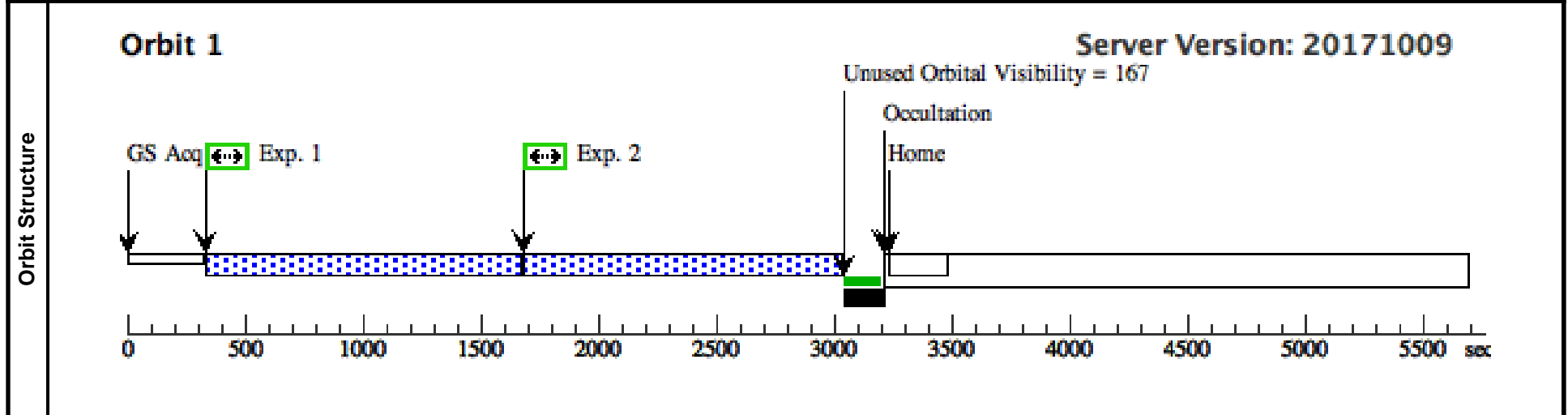


Visit	Proposal 15211, Visit 08, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 08) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 08) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 08) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(8)</td> <td>PN-G048.5+04.2.</td> <td>RA: 19 04 51.4590 (286.2144125d) Dec: +15 47 36.77 (15.79355d) Equinox: J2000</td> <td></td> <td>V=20.65 -11.95</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(8)	PN-G048.5+04.2.	RA: 19 04 51.4590 (286.2144125d) Dec: +15 47 36.77 (15.79355d) Equinox: J2000		V=20.65 -11.95	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(8)	PN-G048.5+04.2.	RA: 19 04 51.4590 (286.2144125d) Dec: +15 47 36.77 (15.79355d) Equinox: J2000		V=20.65 -11.95	Reference Frame: ICRS								
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(8) PN-G048.5+04.2.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
2	(1007738)	(8) PN-G048.5+04.2.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]	

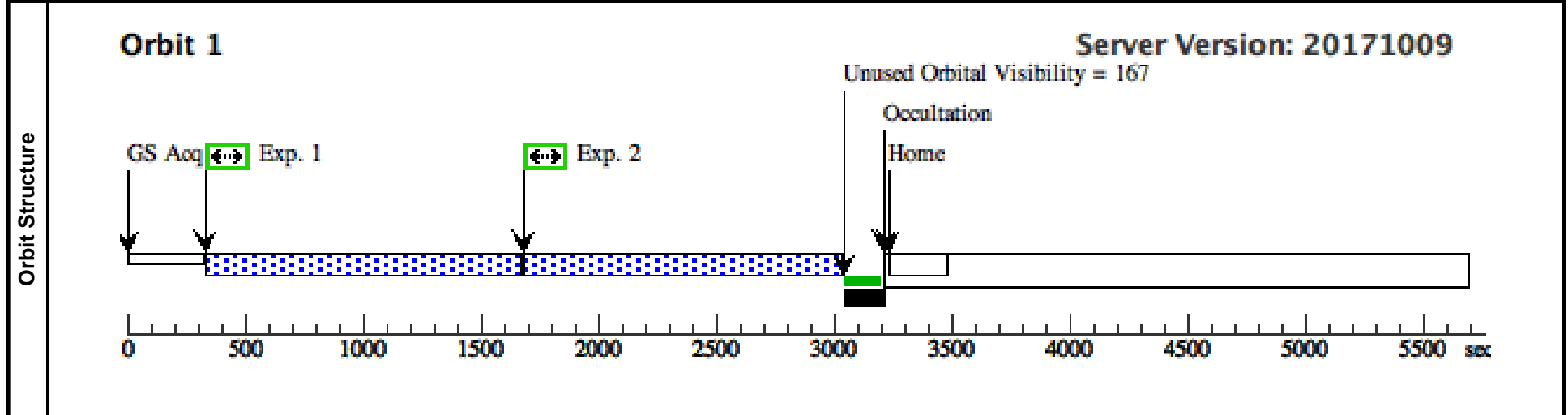


Visit	Proposal 15211, Visit 09, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 09) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 09) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 09) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(9)</td> <td>PN-G052.9-02.7.</td> <td>RA: 19 39 15.8850 (294.8161875d) Dec: +16 20 48.07 (16.34669d) Equinox: J2000</td> <td></td> <td>V=19.06 -12.12</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(9)	PN-G052.9-02.7.	RA: 19 39 15.8850 (294.8161875d) Dec: +16 20 48.07 (16.34669d) Equinox: J2000		V=19.06 -12.12	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(9)	PN-G052.9-02.7.	RA: 19 39 15.8850 (294.8161875d) Dec: +16 20 48.07 (16.34669d) Equinox: J2000		V=19.06 -12.12	Reference Frame: ICRS								
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(9) PN-G052.9-02.7.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
2	(1007738)	(9) PN-G052.9-02.7.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]	

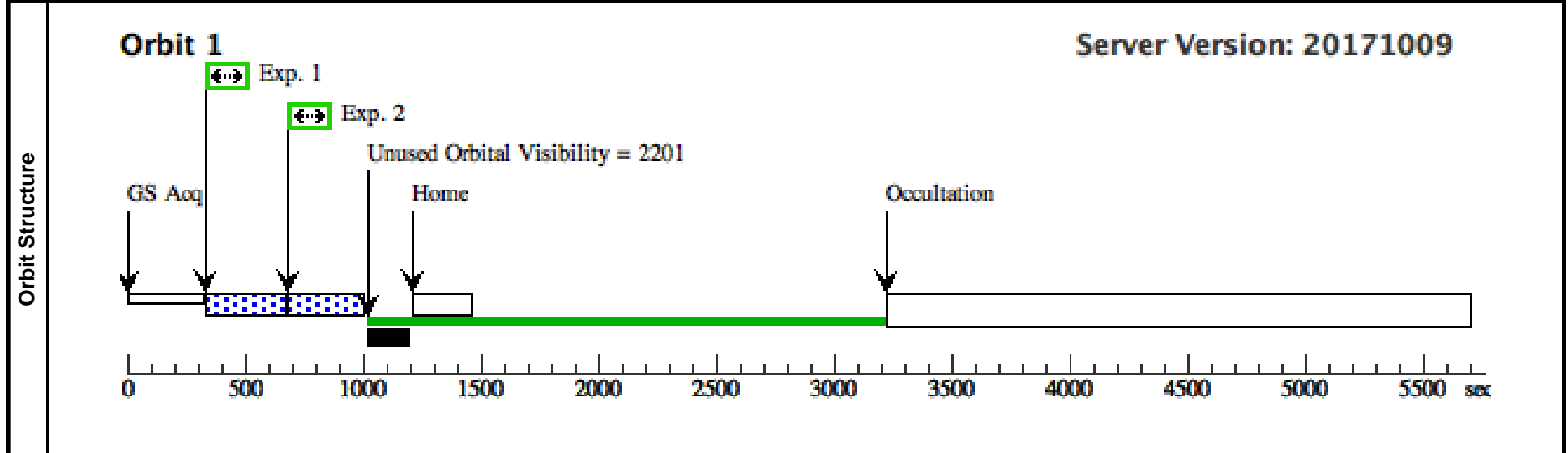


Visit	Proposal 15211, Visit 10, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 10) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 10) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 10) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	PN-G053.3+24.0.	RA: 17 54 23.0340 (268.5959750d) Dec: +27 59 58.27 (27.99952d) Equinox: J2000		V=17.37 -10.45	Reference Frame: ICRS
	Comments: Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(10) PN-G053.3+24.0.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		206 Secs (206 Secs) [=>]	[1]
	2	(1007738)	(10) PN-G053.3+24.0.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		169 Secs (169 Secs) [=>]	[1]

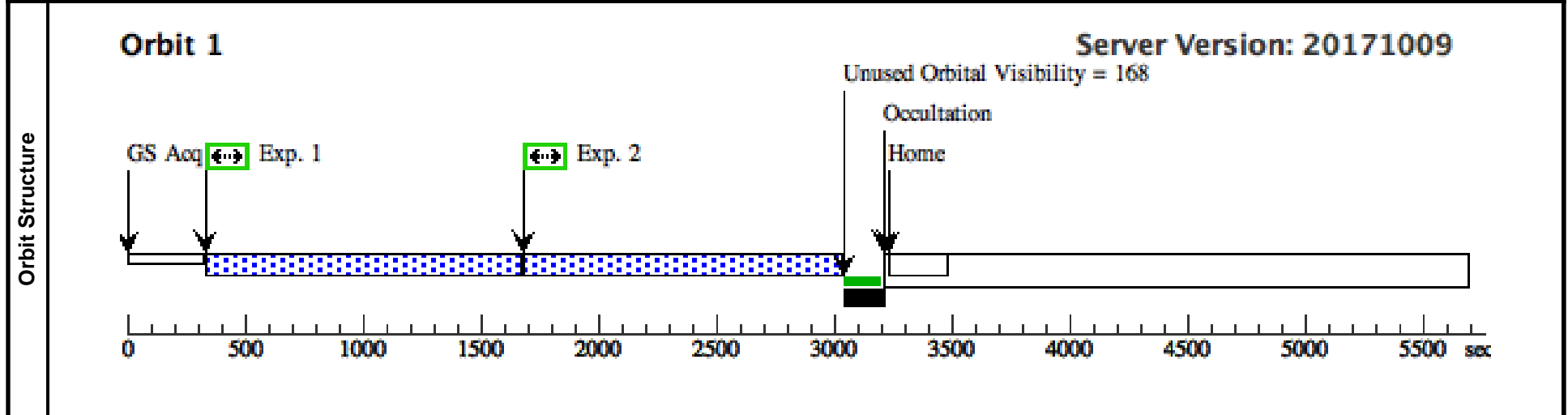


Visit	Proposal 15211, Visit 11, implementation
	Diagnostic Status: Warning
	Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)

Diagnostics	(Visit 11) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 11) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 11) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	PN-G059.9+02.0.	RA: 19 35 54.4580 (293.9769083d) Dec: +24 54 49.96 (24.91388d) Equinox: J2000		V=17.89 -12.7	Reference Frame: ICRS
	<i>Comments:</i> Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(11) PN-G059.9+02.0.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]
	2	(1007738)	(11) PN-G059.9+02.0.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]

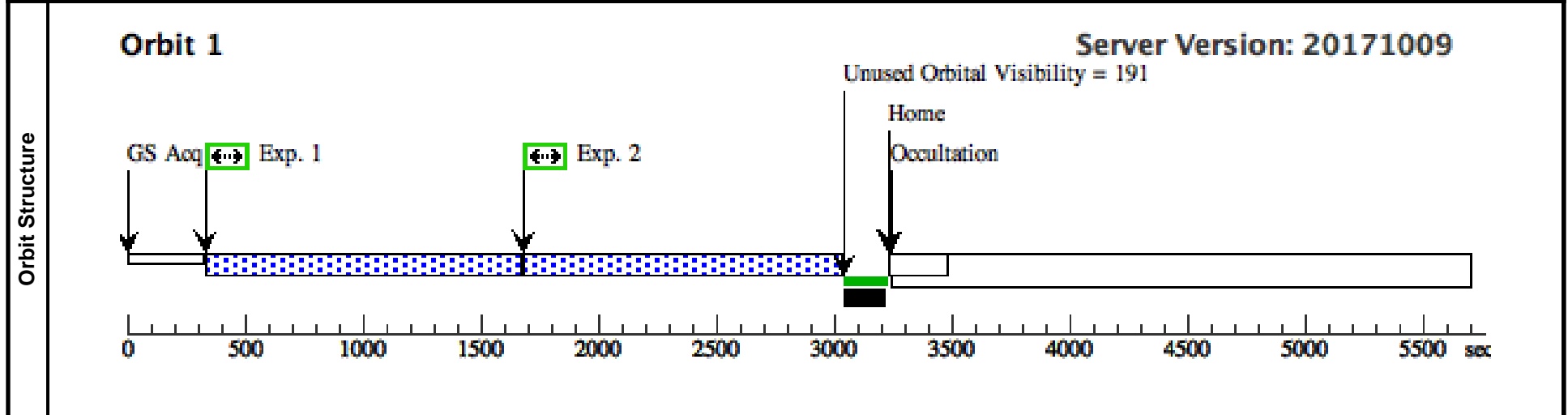


Visit	Proposal 15211, Visit 12, implementation
	Diagnostic Status: Warning
	Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)

Diagnostics	(Visit 12) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 12) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 12) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(12)	PN-G068.7+01.9.	RA: 19 56 34.0430 (299.1418458d) Dec: +32 22 12.72 (32.37020d) Equinox: J2000		V=19.15 -12.00	Reference Frame: ICRS
	<i>Comments:</i> Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(12) PN-G068.7+01.9.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]
	2	(1007738)	(12) PN-G068.7+01.9.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]

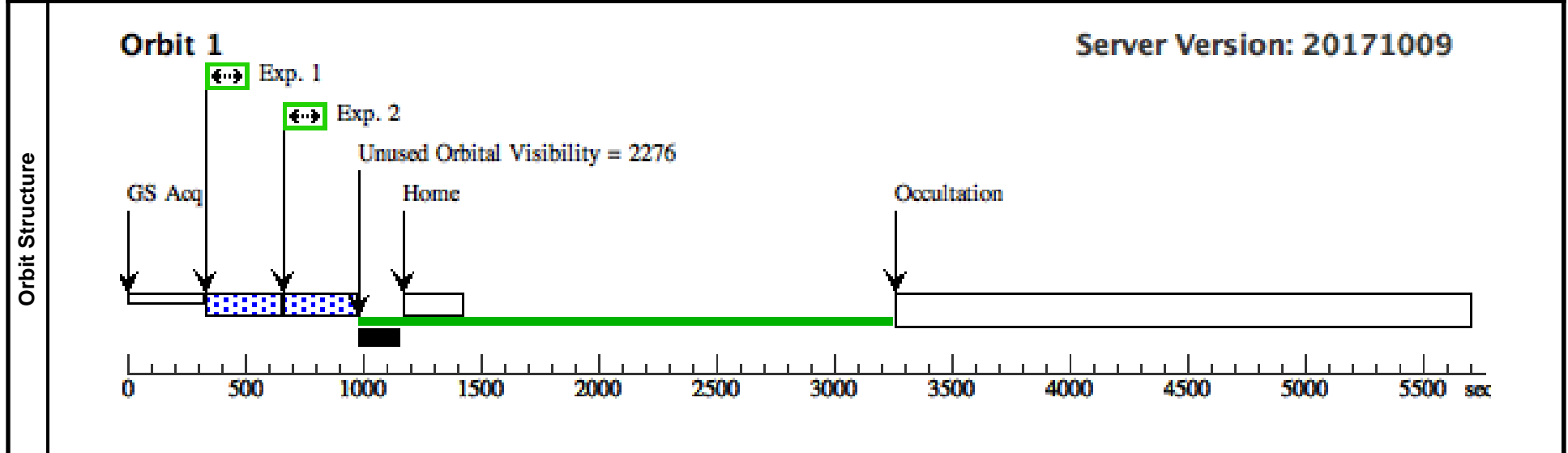


Visit	Proposal 15211, Visit 13, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 13) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 13) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 13) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(13)	PN-G068.7+14.8.	RA: 19 00 26.5230 (285.1105125d) Dec: +38 21 7.09 (38.35197d) Equinox: J2000		V=16.1 -11.17	Reference Frame: ICRS
	Comments: Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(13) PN-G068.7+14.8.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		180 Secs (180 Secs) [=>]	[1]
	2	(1007738)	(13) PN-G068.7+14.8.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		155 Secs (155 Secs) [=>]	[1]

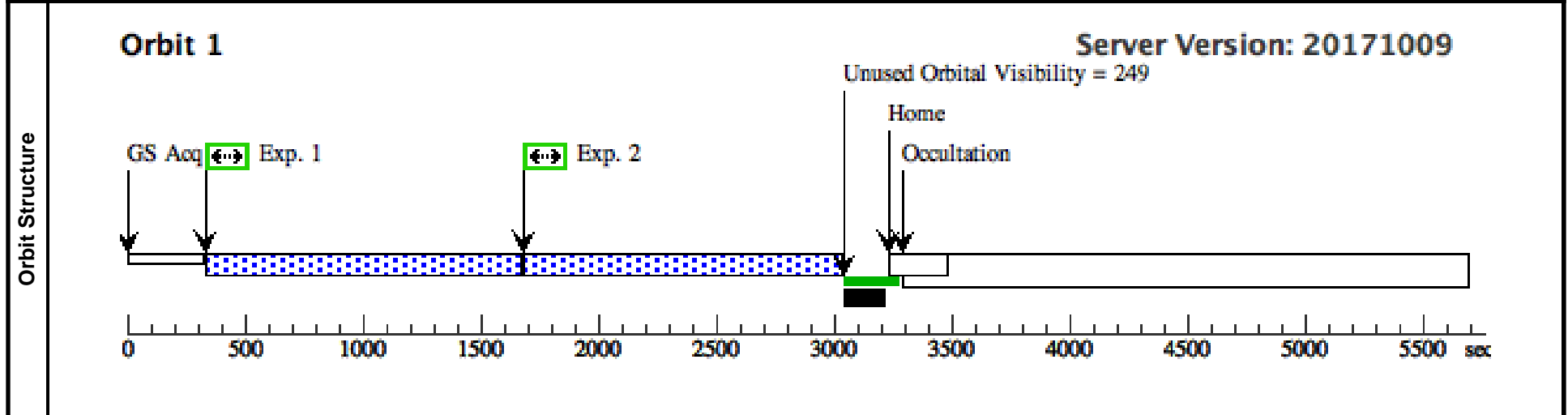


Visit	Proposal 15211, Visit 14, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 14) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 14) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 14) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(14)	PN-G079.9+06.4.	RA: 20 06 55.3460 (301.7306083d) Dec: +44 14 18.49 (44.23847d) Equinox: J2000		V=20.69 -12.54	Reference Frame: ICRS
	<i>Comments:</i> Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(14) PN-G079.9+06.4.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]
	2	(1007738)	(14) PN-G079.9+06.4.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]

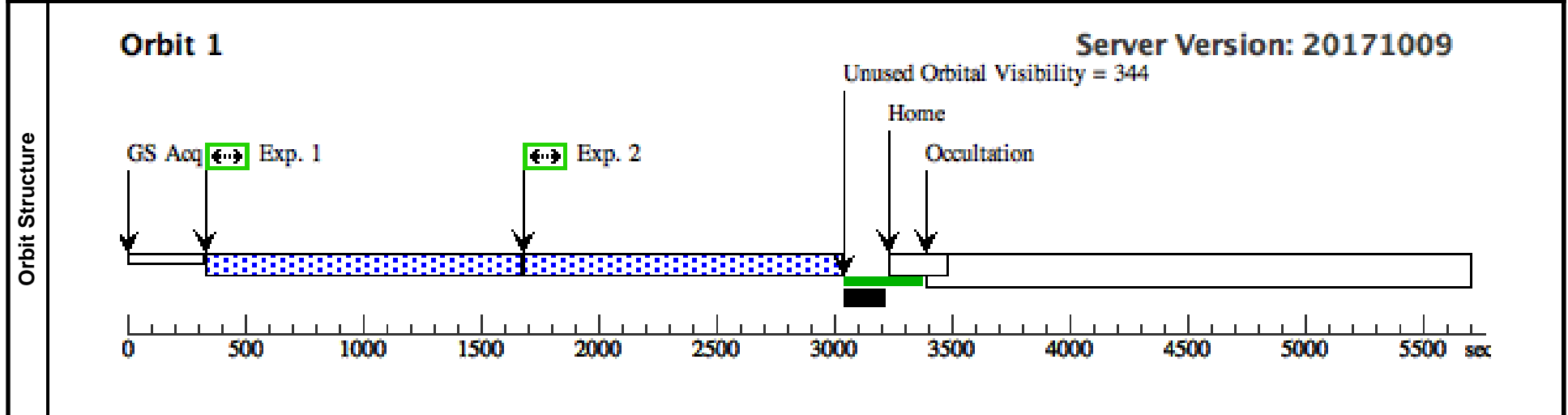


Visit	Proposal 15211, Visit 15, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 15) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 15) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 15) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(15)</td> <td>PN-G097.6-02.4.</td> <td>RA: 21 57 41.7730 (329.4240542d) Dec: +51 41 38.86 (51.69413d) Equinox: J2000</td> <td></td> <td>V=18.39 -11.47</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(15)	PN-G097.6-02.4.	RA: 21 57 41.7730 (329.4240542d) Dec: +51 41 38.86 (51.69413d) Equinox: J2000		V=18.39 -11.47	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(15)	PN-G097.6-02.4.	RA: 21 57 41.7730 (329.4240542d) Dec: +51 41 38.86 (51.69413d) Equinox: J2000		V=18.39 -11.47	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(15) PN-G097.6-02.4	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(15) PN-G097.6-02.4	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]

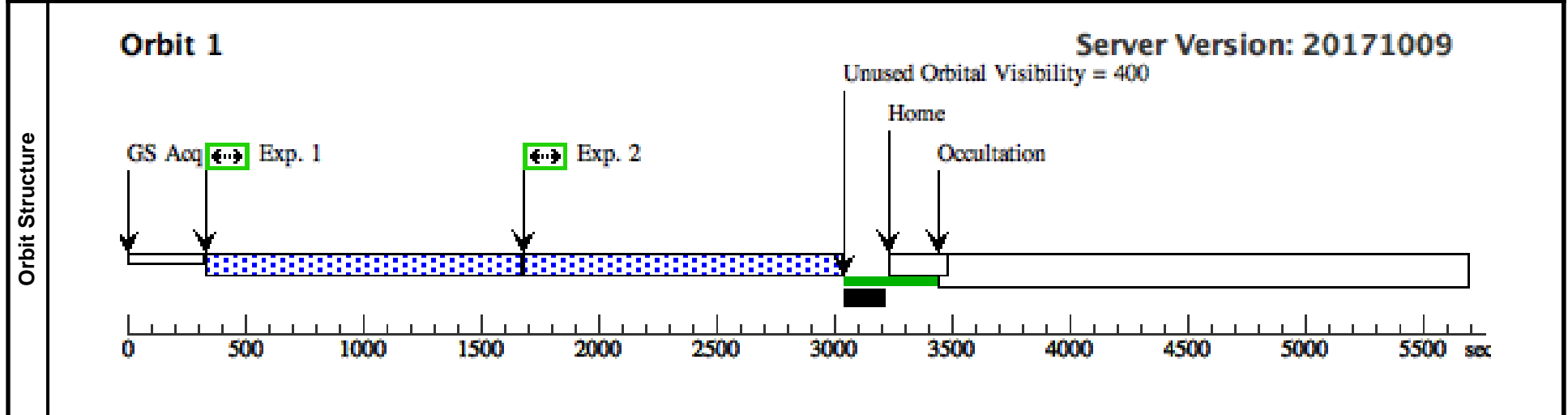


Visit	Proposal 15211, Visit 16, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 16) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 16) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 16) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(16)	PN-G098.2+04.9.	RA: 21 27 26.4760 (321.8603167d) Dec: +57 39 5.49 (57.65152d) Equinox: J2000		V=21.13 -12.16	Reference Frame: ICRS
	<i>Comments:</i> Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(16) PN-G098.2+04.9.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]
	2	(1007738)	(16) PN-G098.2+04.9.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]

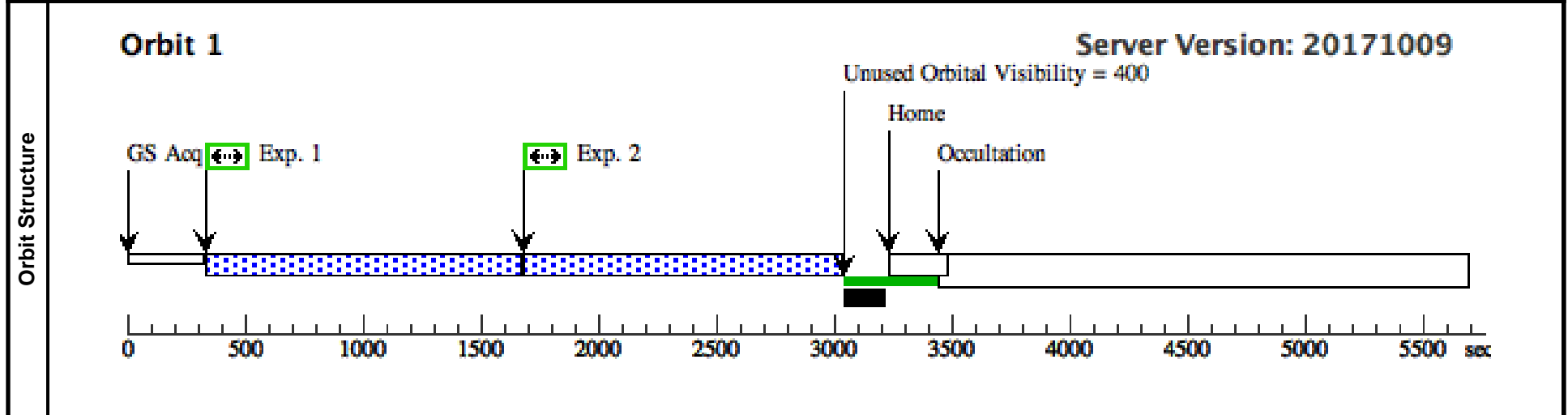


Visit	Proposal 15211, Visit 17, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 17) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 17) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 17) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(17)</td> <td>PN-G104.1+01.0.</td> <td>RA: 22 20 16.6080 (335.0692000d) Dec: +58 14 16.31 (58.23786d) Equinox: J2000</td> <td></td> <td>V=20.71 -12.42</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(17)	PN-G104.1+01.0.	RA: 22 20 16.6080 (335.0692000d) Dec: +58 14 16.31 (58.23786d) Equinox: J2000		V=20.71 -12.42	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(17)	PN-G104.1+01.0.	RA: 22 20 16.6080 (335.0692000d) Dec: +58 14 16.31 (58.23786d) Equinox: J2000		V=20.71 -12.42	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(17) PN-G104.1+01.0.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]
2	(1007738)	(17) PN-G104.1+01.0.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)		
								[=>]	[1]	

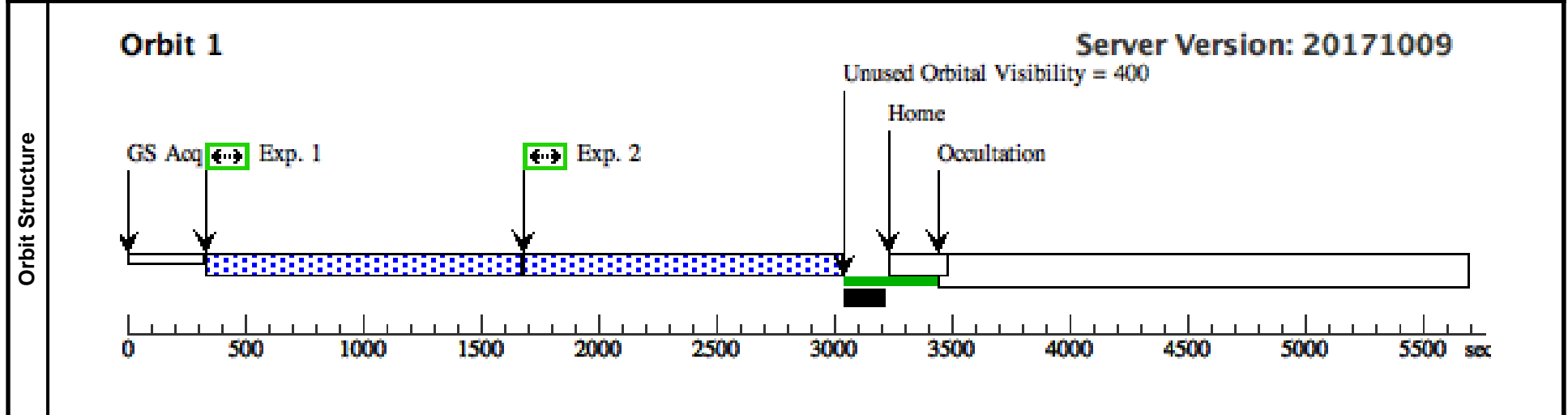


Visit	Proposal 15211, Visit 18, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 18) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 18) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 18) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(18)	PN-G107.4-02.6.	RA: 22 55 6.9220 (343.7788417d) Dec: +56 42 30.59 (56.70850d) Equinox: J2000		V=20.22 -13.64	Reference Frame: ICRS
	<i>Comments:</i> Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(18) PN-G107.4-02.6	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs) [=>]	[1]
	2	(1007738)	(18) PN-G107.4-02.6	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs) [=>]	[1]

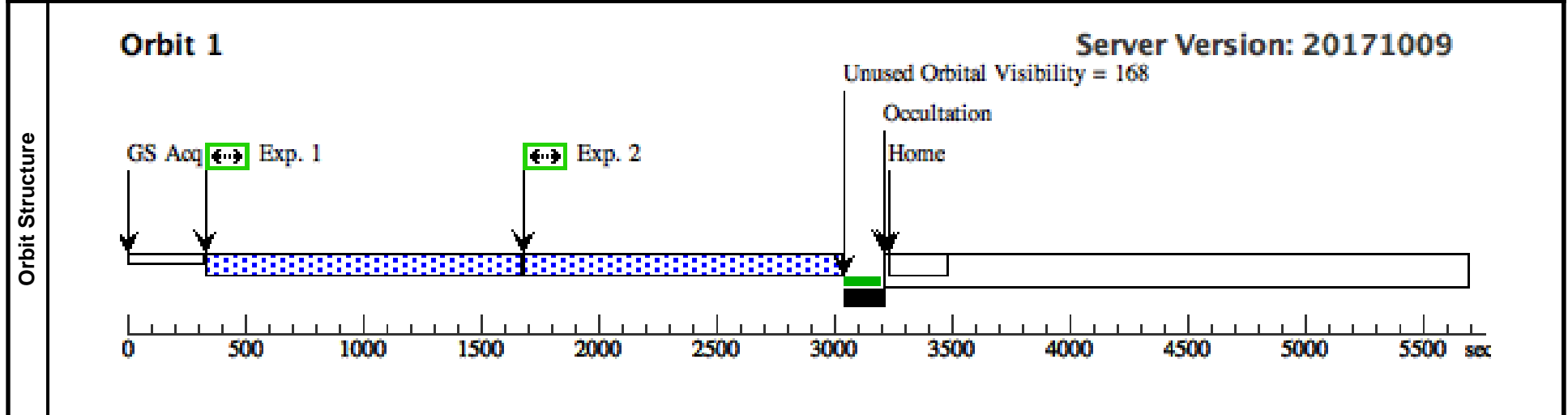


Visit	Proposal 15211, Visit 19, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 19) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 19) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 19) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(19)	PN-G184.0-02.1.	RA: 05 46 50.0230 (86.7084292d) Dec: +24 22 3.34 (24.36759d) Equinox: J2000		V=16.27 -11.43	Reference Frame: ICRS
	<i>Comments:</i> Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(19) PN-G184.0-02.1	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]
	2	(1007738)	(19) PN-G184.0-02.1	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]



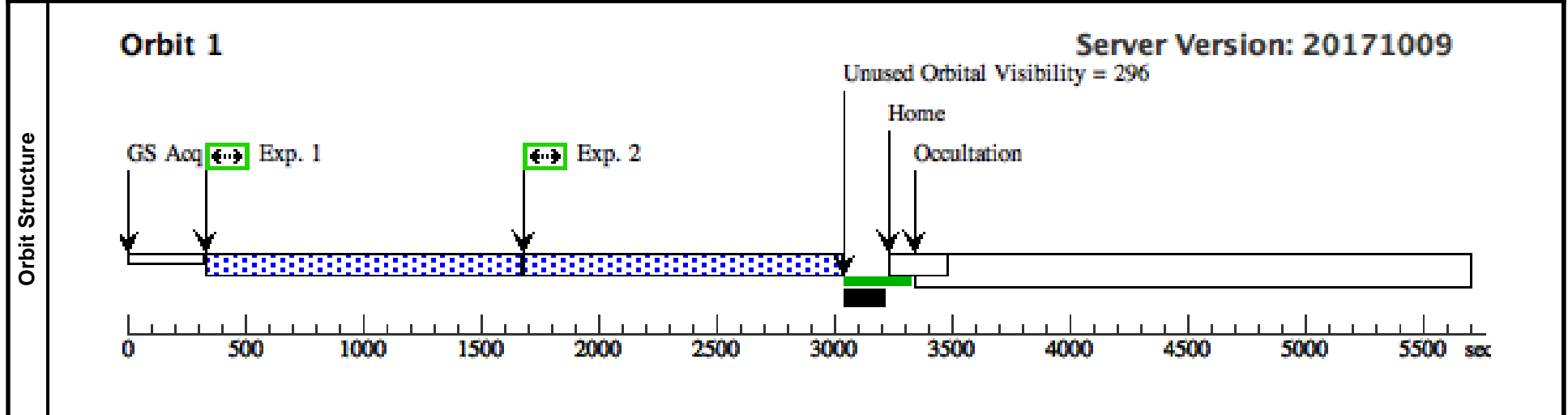
Visit	Proposal 15211, Visit 20, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 20) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 20) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 20) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(20)	PN-G263.0-05.5.	RA: 08 20 40.3100 (125.1679583d) Dec: -46 22 57.41 (-46.38261d) Equinox: J2000		V=15.96 -10.91	Reference Frame: ICRS

Comments:
 Category=ISM
 Description=[PLANETARY NEBULA]

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(20) PN-G263.0-05.5	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]
2	(1007738)	(20) PN-G263.0-05.5	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]	[1]

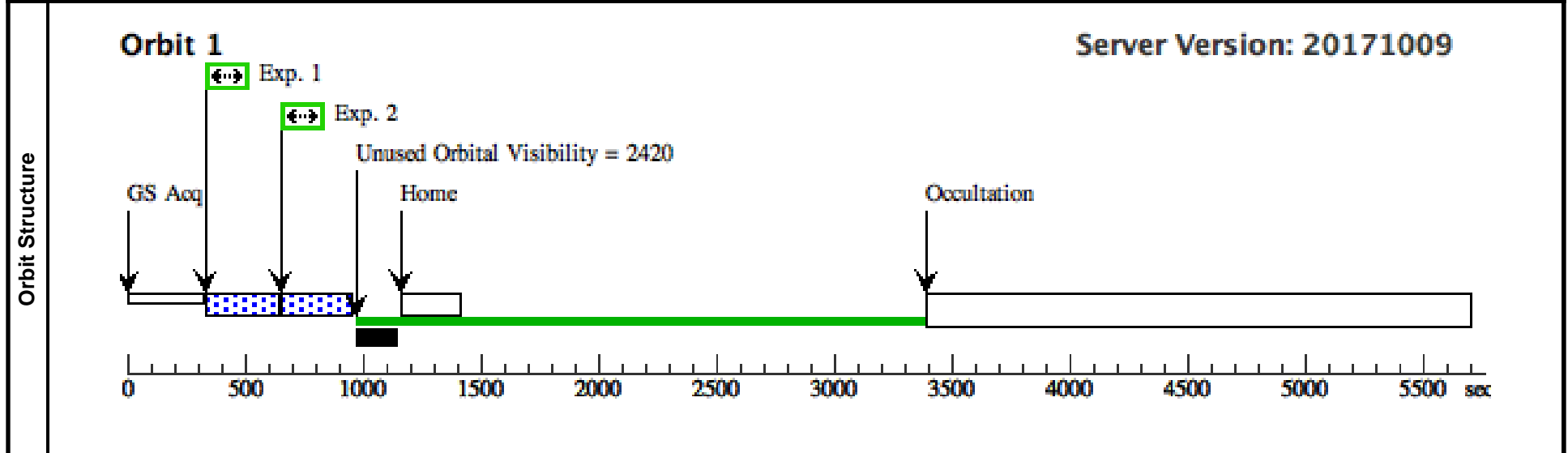


Visit	Proposal 15211, Visit 21, scheduling				
	Diagnostic Status: Warning				
	Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA				
	Special Requirements: (none)				

Diagnostics	(Visit 21) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.				
	(Visit 21) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL				
	(Visit 21) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(21)	PN-G264.4-12.7.	RA: 07 47 20.0680 (116.8336167d) Dec: -51 15 2.99 (-51.25083d) Equinox: J2000		V=14.87 -10.57	Reference Frame: ICRS
<i>Comments:</i> Category=ISM Description=[PLANETARY NEBULA]						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(21) PN-G264.4-12.7	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			175 Secs (175 Secs) [=>]
2	(1007738)	(21) PN-G264.4-12.7	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			149 Secs (149 Secs) [=>]	[1]

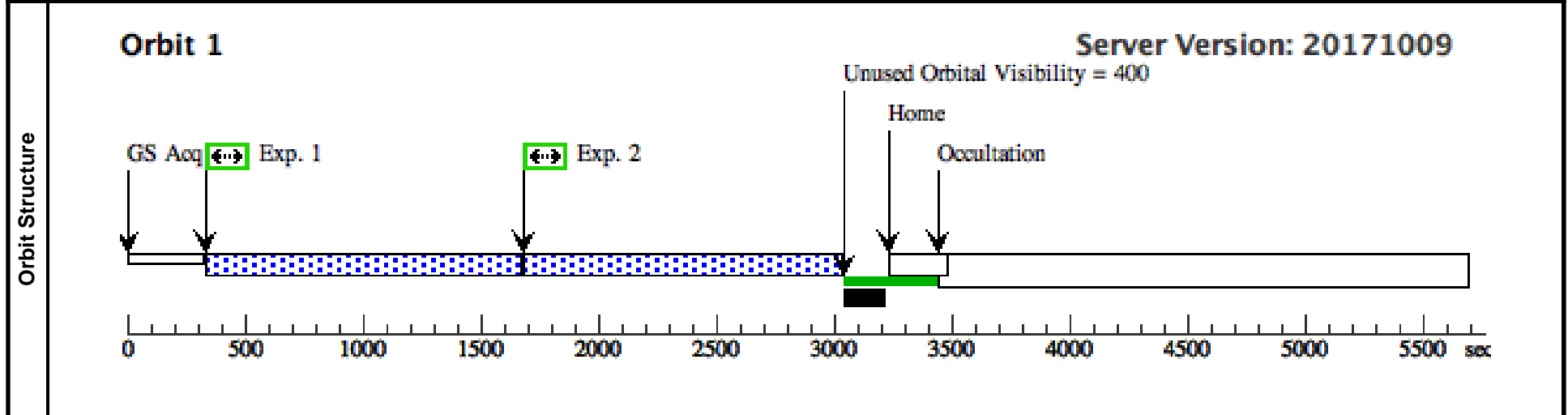


Visit	Proposal 15211, Visit 22, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 22) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 22) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 22) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(22)</td> <td>PN-G275.3-04.7.</td> <td>RA: 09 13 52.8680 (138.4702833d) Dec: -55 28 16.62 (-55.47128d) Equinox: J2000</td> <td></td> <td>V=19.26 -11.03</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(22)	PN-G275.3-04.7.	RA: 09 13 52.8680 (138.4702833d) Dec: -55 28 16.62 (-55.47128d) Equinox: J2000		V=19.26 -11.03	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(22)	PN-G275.3-04.7.	RA: 09 13 52.8680 (138.4702833d) Dec: -55 28 16.62 (-55.47128d) Equinox: J2000		V=19.26 -11.03	Reference Frame: ICRS								
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(22) PN-G275.3-04.7	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]
2	(1007738)	(22) PN-G275.3-04.7	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]	[1]



Proposal 15211 - Visit 23 - Carbon in dusty, compact Galactic planetary nebulae: A study of AGB evolution and recycling in the Milky ...

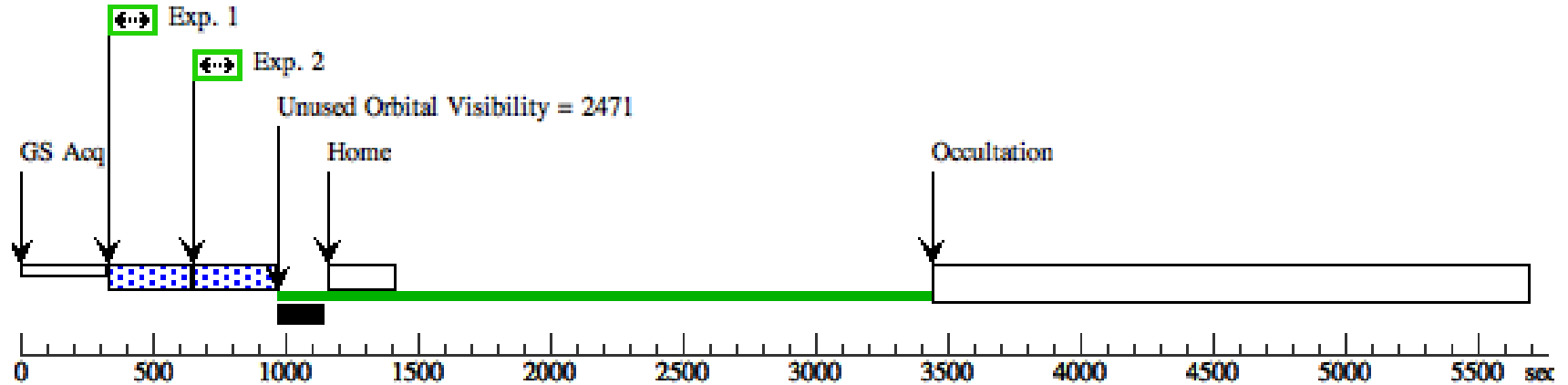
Fri Dec 29 18:03:42 GMT 2017

Visit	Proposal 15211, Visit 23, scheduled Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)									
	(Visit 23) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS. (Visit 23) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL (Visit 23) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(23)	PN-G278.6-06.7.	RA: 09 19 27.4920 (139.8645500d) Dec: -59 11 59.97 (-59.19999d) Equinox: J2000		V=18.98 -10.40	Reference Frame: ICRS				
Comments: Category=ISM Description=[PLANETARY NEBULA]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(23) PN-G278.6-06.7	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		175 Secs (175 Secs)	
									[=>]	[1]
	2	(1007738)	(23) PN-G278.6-06.7	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		154 Secs (154 Secs)	
									[=>]	[1]

Orbit 1

Server Version: 20171009

Orbit Structure

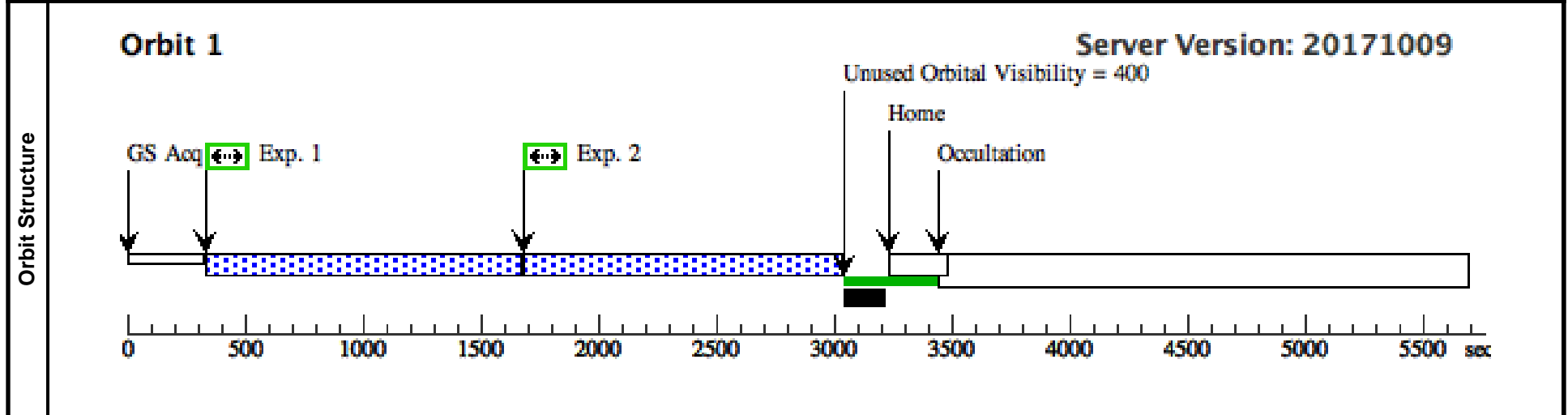


Visit	Proposal 15211, Visit 24, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 24) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 24) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 24) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(24)	PN-G285.4+01.5.	RA: 10 38 27.5770 (159.6149042d) Dec: -56 47 6.09 (-56.78503d) Equinox: J2000		V=19.38 -11.21	Reference Frame: ICRS
	<i>Comments:</i> Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(24) PN-G285.4+01.5.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs) [=>]	[1]
	2	(1007738)	(24) PN-G285.4+01.5.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs) [=>]	[1]

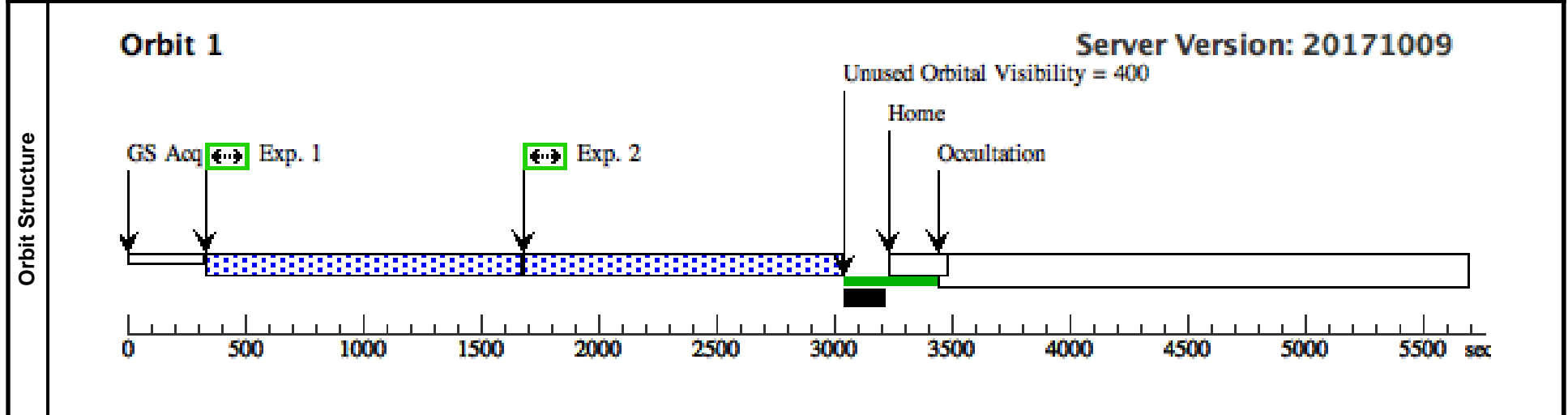


Visit	Proposal 15211, Visit 25, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 25) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 25) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 25) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(25)</td> <td>PN-G285.4+02.2.</td> <td>RA: 10 41 19.5640 (160.3315167d) Dec: -56 09 16.45 (-56.15457d) Equinox: J2000</td> <td></td> <td>V=20.76 -11.6</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(25)	PN-G285.4+02.2.	RA: 10 41 19.5640 (160.3315167d) Dec: -56 09 16.45 (-56.15457d) Equinox: J2000		V=20.76 -11.6	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(25)	PN-G285.4+02.2.	RA: 10 41 19.5640 (160.3315167d) Dec: -56 09 16.45 (-56.15457d) Equinox: J2000		V=20.76 -11.6	Reference Frame: ICRS								
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(25) PN-G285.4+02.2.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]
2	(1007738)	(25) PN-G285.4+02.2.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]	[1]

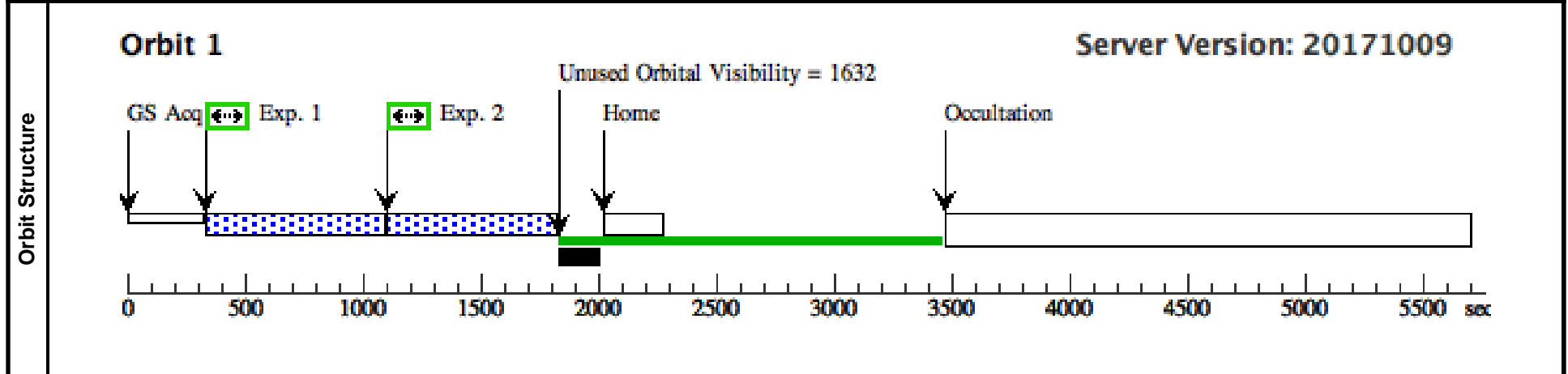


Visit	Proposal 15211, Visit 26, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 26) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 26) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 26) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(26)</td> <td>PN-G286.0-06.5.</td> <td>RA: 10 07 23.6030 (151.8483458d) Dec: -63 54 29.84 (-63.90829d) Equinox: J2000</td> <td></td> <td>V=16.1 -10.9</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(26)	PN-G286.0-06.5.	RA: 10 07 23.6030 (151.8483458d) Dec: -63 54 29.84 (-63.90829d) Equinox: J2000		V=16.1 -10.9	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(26)	PN-G286.0-06.5.	RA: 10 07 23.6030 (151.8483458d) Dec: -63 54 29.84 (-63.90829d) Equinox: J2000		V=16.1 -10.9	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(26) PN-G286.0-06.5	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		623 Secs (623 Secs) [=>]	[1]
	2	(1007738)	(26) PN-G286.0-06.5	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		567 Secs (567 Secs) [=>]	[1]

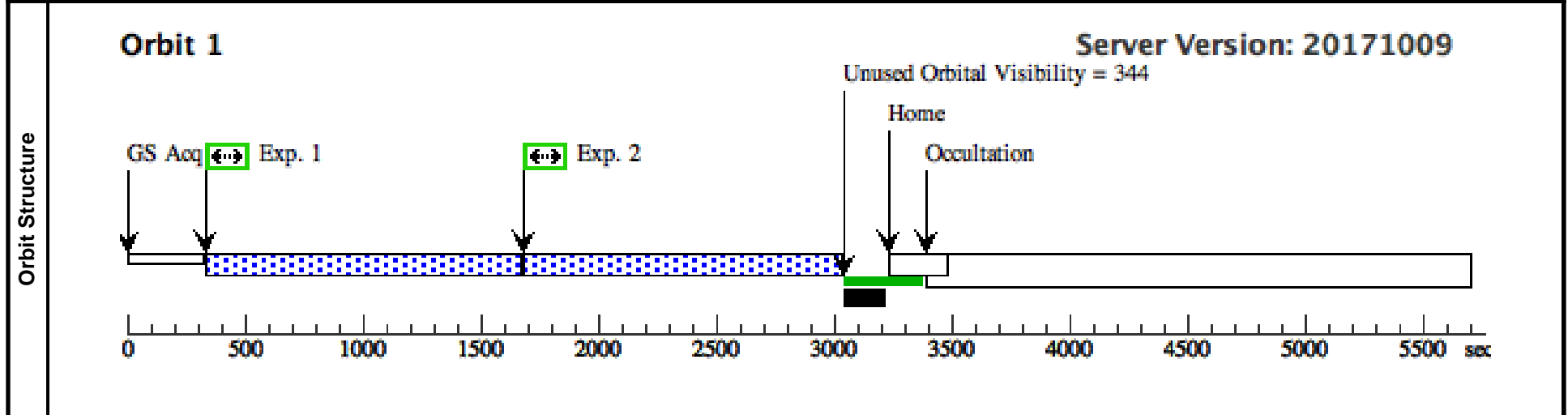


Visit	Proposal 15211, Visit 27, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 27) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 27) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 27) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(27)</td> <td>PN-G289.8+07.7.</td> <td>RA: 11 24 1.0860 (171.0045250d) Dec: -52 51 19.37 (-52.85538d) Equinox: J2000</td> <td></td> <td>V=19.3 -11.31</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(27)	PN-G289.8+07.7.	RA: 11 24 1.0860 (171.0045250d) Dec: -52 51 19.37 (-52.85538d) Equinox: J2000		V=19.3 -11.31	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(27)	PN-G289.8+07.7.	RA: 11 24 1.0860 (171.0045250d) Dec: -52 51 19.37 (-52.85538d) Equinox: J2000		V=19.3 -11.31	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(27) PN-G289.8+07.7.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(27) PN-G289.8+07.7.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]



Visit	Proposal 15211, Visit 28, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)									
	(Visit 28) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS. (Visit 28) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL (Visit 28) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(28)	PN-G294.9-04.3.	RA: 11 31 45.4140 (172.9392250d) Dec: -65 58 13.76 (-65.97049d) Equinox: J2000		V=15.6 -11.56	Reference Frame: ICRS				
Comments: Category=ISM Description=[PLANETARY NEBULA]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(28) PN-G294.9-04.3	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[==>]	[1]
	2	(1007738)	(28) PN-G294.9-04.3	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[==>]	[1]
Orbit Structure	Orbit 1 Server Version: 20171009 Unused Orbital Visibility = 497									
	<p>The diagram shows a horizontal timeline from 0 to 5500 seconds. A blue checkered bar represents the primary observation period, starting at approximately 300 seconds and ending at 3000 seconds. Above the timeline, 'GS Acq' is marked at 0s, 'Exp. 1' at ~300s, and 'Exp. 2' at ~1700s. A green box highlights the 'Exp. 1' label. A black bar on the timeline indicates 'Home Occultation' from ~3200s to ~3500s. A green bar above the occultation period is labeled 'Unused Orbital Visibility = 497'. The text 'Orbit 1' is at the top left, and 'Server Version: 20171009' is at the top right.</p>									

Proposal 15211 - Visit 29 - Carbon in dusty, compact Galactic planetary nebulae: A study of AGB evolution and recycling in the Milky ...

Fri Dec 29 18:03:42 GMT 2017

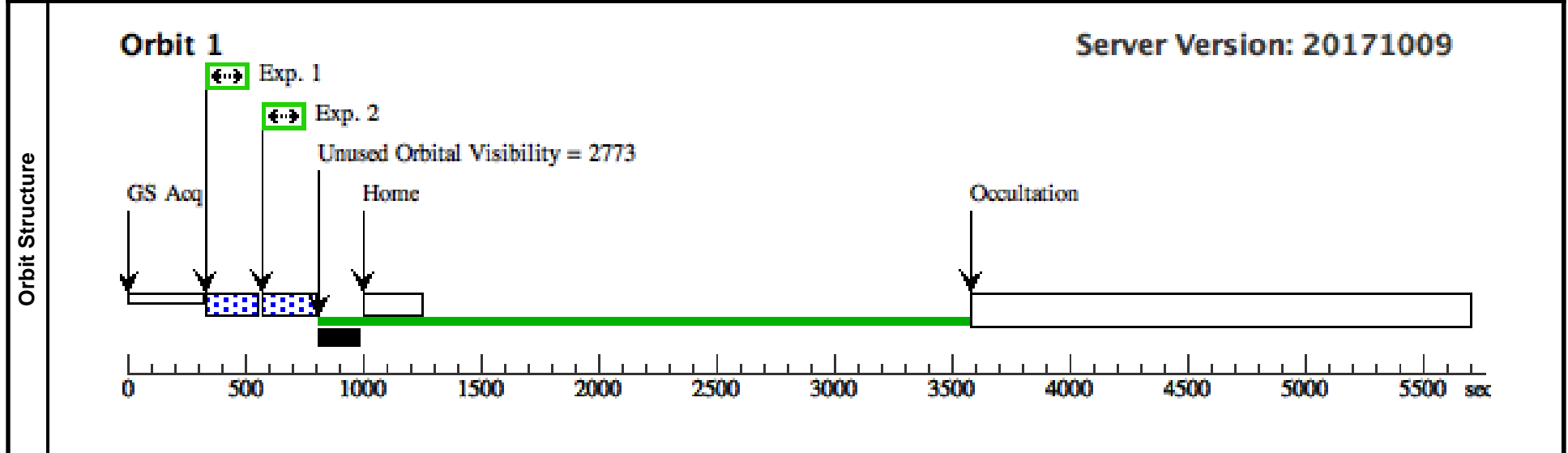
Visit	Proposal 15211, Visit 29, scheduled				
	Diagnostic Status: Warning				
	Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA				
	Special Requirements: (none)				

Diagnostics	(Visit 29) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.				
	(Visit 29) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL				
	(Visit 29) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(29)	PN-G295.3-09.3.	RA: 11 17 43.1320 (169.4297167d) Dec: -70 49 31.78 (-70.82549d) Equinox: J2000		V=15.17 -10.96	Reference Frame: ICRS

Comments:
Category=ISM
Description=[PLANETARY NEBULA]

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(29) PN-G295.3-09.3	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			87 Secs (87 Secs) [=>]
2	(1007738)	(29) PN-G295.3-09.3	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			76 Secs (76 Secs) [=>]	[1]



Visit	Proposal 15211, Visit 30, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)									
	(Visit 30) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS. (Visit 30) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL (Visit 30) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(30)	PN-G296.3-03.0.	RA: 11 48 38.1630 (177.1590125d) Dec: -65 08 36.88 (-65.14358d) Equinox: J2000		V=19.14 -10.75	Reference Frame: ICRS				
Comments: Category=ISM Description=[PLANETARY NEBULA]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(30) PN-G296.3-03.0	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]
	2	(1007738)	(30) PN-G296.3-03.0	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]
Orbit Structure	Orbit 1 Server Version: 20171009 Unused Orbital Visibility = 497									
	<p>The diagram shows a horizontal timeline from 0 to 5500 seconds. A blue checkered bar represents the primary observation period, starting at approximately 400 seconds and ending at 3000 seconds. Above the timeline, 'GS Acq' is marked at 0 seconds, 'Exp. 1' at approximately 400 seconds, and 'Exp. 2' at approximately 1700 seconds. A green box highlights the 'Exp. 1' label. A black bar on the timeline indicates a period of 'Unused Orbital Visibility' from approximately 3000 to 3500 seconds. 'Home Occultation' is marked with two arrows at approximately 3200 and 3500 seconds. The x-axis is labeled 'sec' and has major ticks every 500 units.</p>									

Visit	Proposal 15211, Visit 31, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)									
	Diagnosics (Visit 31) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS. (Visit 31) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL (Visit 31) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(31)	PN-G309.0+00.8.	RA: 13 42 36.1910 (205.6507958d) Dec: -61 22 28.61 (-61.37461d) Equinox: J2000		V=18.15 -11.35	Reference Frame: ICRS				
Comments: Category=ISM Description=[PLANETARY NEBULA]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(31) PN-G309.0+00.8.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]
	2	(1007738)	(31) PN-G309.0+00.8.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20171009</p> <p style="text-align: center;">Unused Orbital Visibility = 422</p> <p>The diagram shows a horizontal timeline from 0 to 5500 seconds. A blue checkered bar represents the science window, starting at approximately 400 seconds and ending at 3100 seconds. Two green boxes labeled 'Exp. 1' and 'Exp. 2' are positioned within this window at approximately 400 and 1700 seconds respectively. A black bar labeled 'GS Acq' is at the beginning. A green bar labeled 'Home' is between 3100 and 3400 seconds. A black bar labeled 'Occultation' is between 3400 and 3500 seconds. A vertical line at 3100 seconds is labeled 'Home'. The text 'Unused Orbital Visibility = 422' is centered above the timeline.</p>									
	<p>Timeline labels: GS Acq, Exp. 1, Exp. 2, Home, Occultation. X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec.</p>									

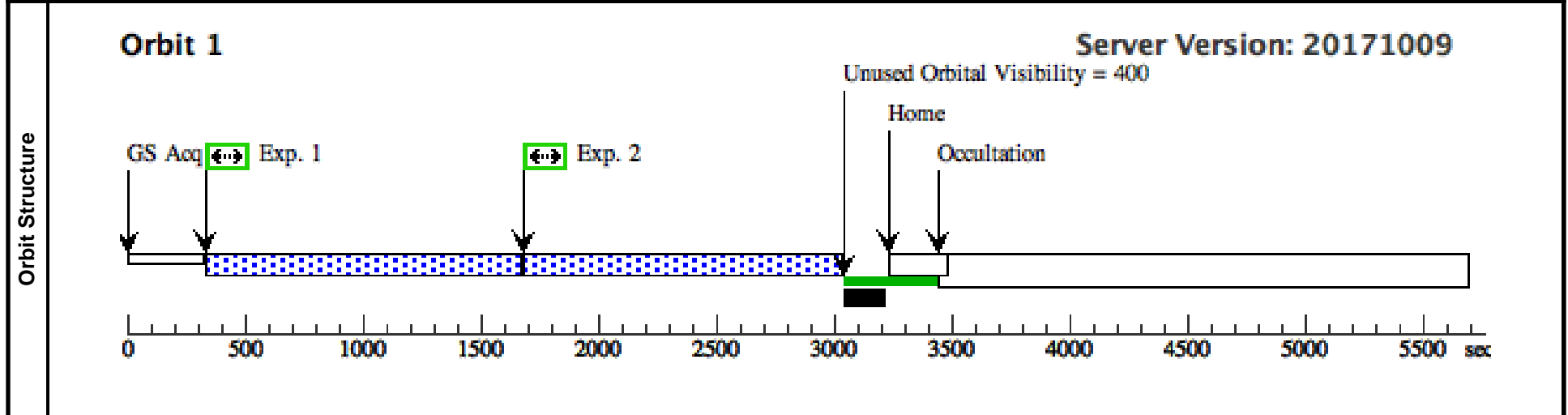
Visit	Proposal 15211, Visit 32, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)									
	Diagnosics (Visit 32) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS. (Visit 32) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL (Visit 32) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(32)	PN-G309.5-02.9.	RA: 13 54 27.5000 (208.6145833d) Dec: -64 59 32.28 (-64.99230d) Equinox: J2000		V=20.63 -11.09	Reference Frame: ICRS				
Comments: Category=ISM Description=[PLANETARY NEBULA]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(32) PN-G309.5-02.9	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[==>]	[1]
	2	(1007738)	(32) PN-G309.5-02.9	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[==>]	[1]
Orbit Structure	Orbit 1 Server Version: 20171009 Unused Orbital Visibility = 422									
	<p>The diagram shows a timeline for Orbit 1 from 0 to 5500 seconds. Key events include GS Acq, Exp. 1 (green box), Exp. 2 (green box), Home, and Occultation. A blue checkered bar indicates the observation period, and a green bar indicates the Home period. A black bar indicates the Occultation period.</p>									

Visit	Proposal 15211, Visit 33, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 33) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 33) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 33) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(33)</td> <td>PN-G324.8-01.1.</td> <td>RA: 15 41 58.8230 (235.4950958d) Dec: -56 36 25.08 (-56.60697d) Equinox: J2000</td> <td></td> <td>V=20.35 -12.15</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(33)	PN-G324.8-01.1.	RA: 15 41 58.8230 (235.4950958d) Dec: -56 36 25.08 (-56.60697d) Equinox: J2000		V=20.35 -12.15	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(33)	PN-G324.8-01.1.	RA: 15 41 58.8230 (235.4950958d) Dec: -56 36 25.08 (-56.60697d) Equinox: J2000		V=20.35 -12.15	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(33) PN-G324.8-01.1	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(33) PN-G324.8-01.1	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]

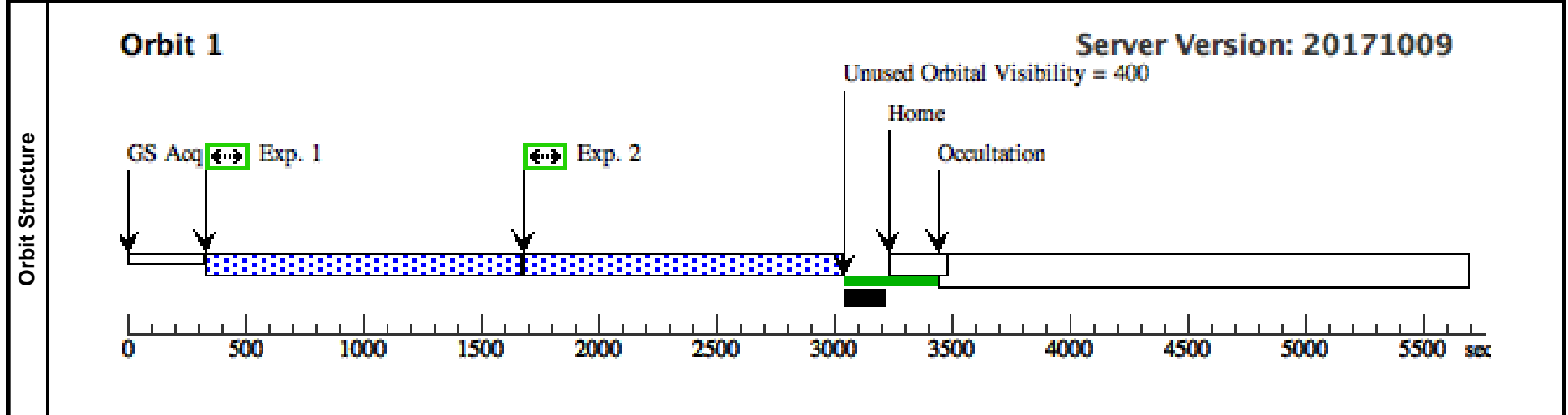


Visit	Proposal 15211, Visit 34, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 34) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 34) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 34) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(34)</td> <td>PN-G327.1-01.8.</td> <td>RA: 15 58 8.0640 (239.5336000d) Dec: -55 41 50.93 (-55.69748d) Equinox: J2000</td> <td></td> <td>V=16.75 -12.63</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(34)	PN-G327.1-01.8.	RA: 15 58 8.0640 (239.5336000d) Dec: -55 41 50.93 (-55.69748d) Equinox: J2000		V=16.75 -12.63	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(34)	PN-G327.1-01.8.	RA: 15 58 8.0640 (239.5336000d) Dec: -55 41 50.93 (-55.69748d) Equinox: J2000		V=16.75 -12.63	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(34) PN-G327.1-01.8	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(34) PN-G327.1-01.8	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]

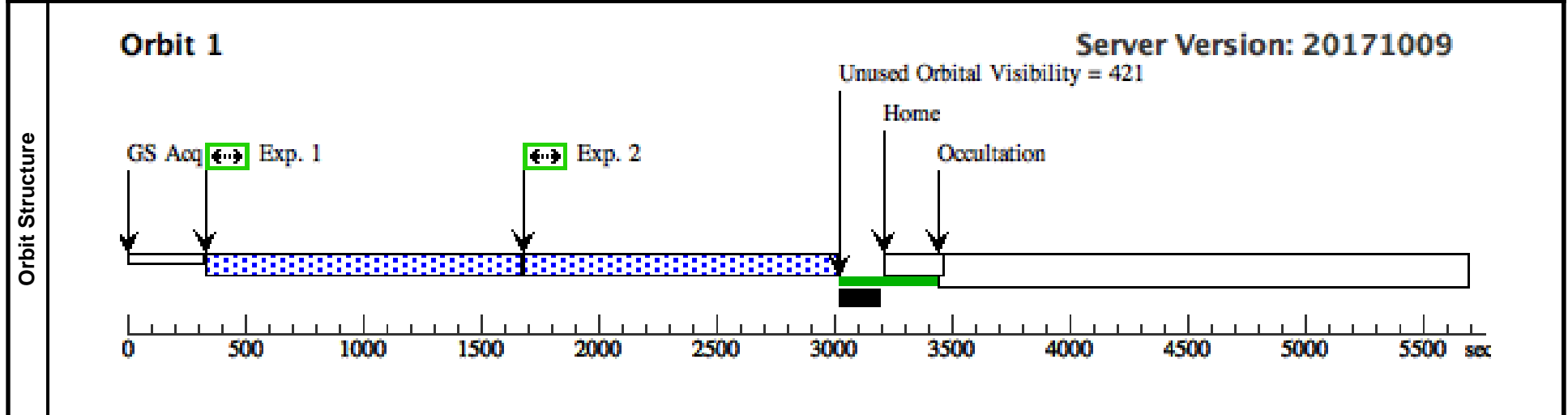


Visit	Proposal 15211, Visit 35, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 35) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 35) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 35) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(35)	PN-G327.8-06.1.	RA: 16 23 30.5990 (245.8774958d) Dec: -58 19 22.73 (-58.32298d) Equinox: J2000		V=15.29 -11.38	Reference Frame: ICRS
	<i>Comments:</i> Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(35) PN-G327.8-06.1	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs) [=>]	[1]
	2	(1007738)	(35) PN-G327.8-06.1	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1179 Secs (1179 Secs) [=>]	[1]



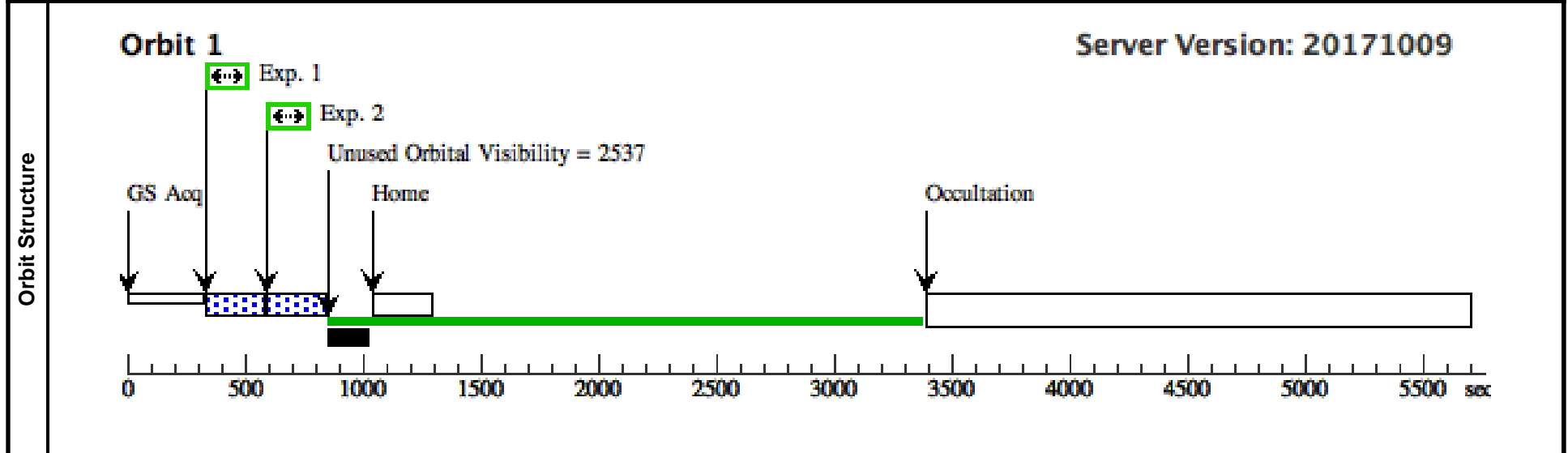
Visit	Proposal 15211, Visit 36, implementation				
	Diagnostic Status: Warning				
	Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA				

Diagnostics	(Visit 36) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.				
	(Visit 36) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL				
	(Visit 36) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
		(36)	PN-G334.8-07.4.	RA: 17 03 3.1250 (255.7630208d) Dec: -53 55 52.22 (-53.93117d) Equinox: J2000		V=11.54 -11.0

Comments:
Category=ISM
Description=[PLANETARY NEBULA]

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	(1007072)	(36) PN-G334.8-07.4	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		110 Secs (110 Secs) [=>]
	2	(1007738)	(36) PN-G334.8-07.4	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		97 Secs (97 Secs) [=>]	[1]

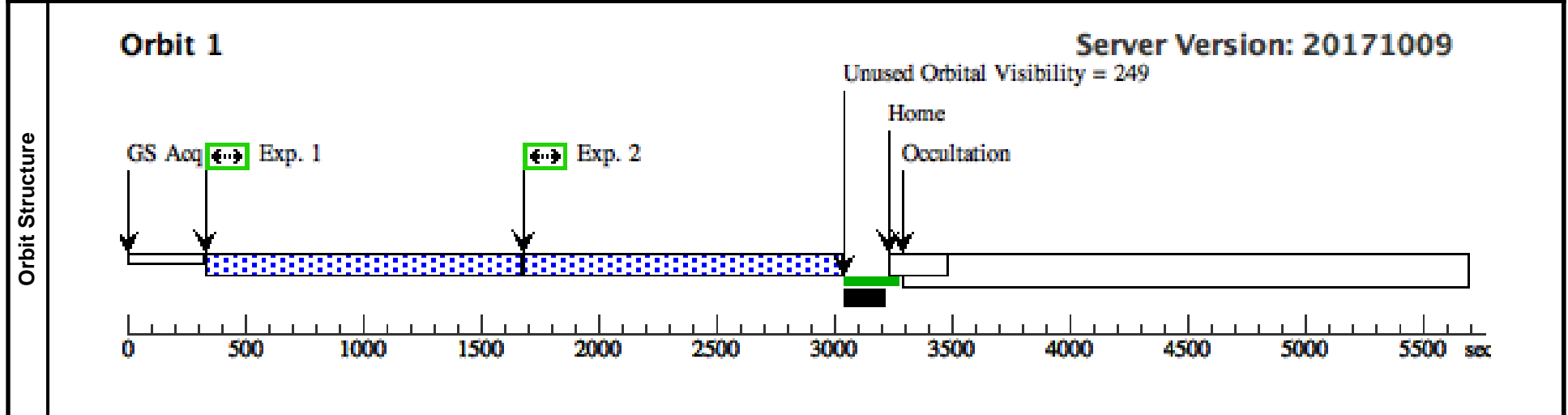


Visit	Proposal 15211, Visit 37, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 37) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 37) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 37) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(37)</td> <td>PN-G336.9+08.3.</td> <td>RA: 16 02 13.0770 (240.5544875d) Dec: -41 33 36.09 (-41.56002d) Equinox: J2000</td> <td></td> <td>V=15.81 -11.74</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(37)	PN-G336.9+08.3.	RA: 16 02 13.0770 (240.5544875d) Dec: -41 33 36.09 (-41.56002d) Equinox: J2000		V=15.81 -11.74	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(37)	PN-G336.9+08.3.	RA: 16 02 13.0770 (240.5544875d) Dec: -41 33 36.09 (-41.56002d) Equinox: J2000		V=15.81 -11.74	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(37) PN-G336.9+08.3.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(37) PN-G336.9+08.3.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]

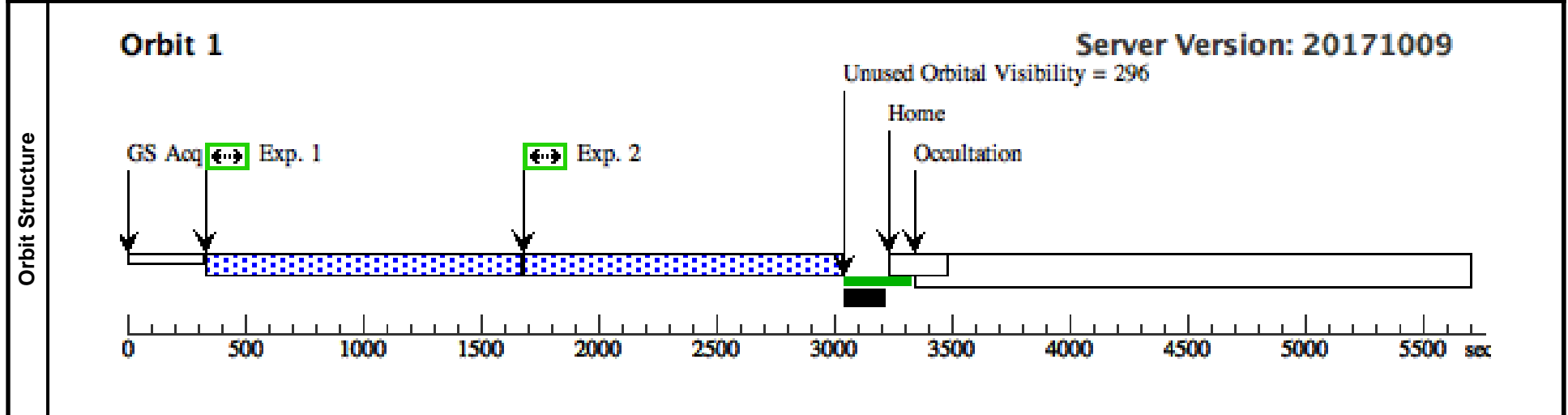


Visit	Proposal 15211, Visit 38, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 38) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 38) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 38) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(38)</td> <td>PN-G340.9-04.6.</td> <td>RA: 17 11 27.4180 (257.8642417d) Dec: -47 25 1.66 (-47.41713d) Equinox: J2000</td> <td></td> <td>V=18.99 -11.65</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(38)	PN-G340.9-04.6.	RA: 17 11 27.4180 (257.8642417d) Dec: -47 25 1.66 (-47.41713d) Equinox: J2000		V=18.99 -11.65	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(38)	PN-G340.9-04.6.	RA: 17 11 27.4180 (257.8642417d) Dec: -47 25 1.66 (-47.41713d) Equinox: J2000		V=18.99 -11.65	Reference Frame: ICRS								
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(38) PN-G340.9-04.6	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]
2	(1007738)	(38) PN-G340.9-04.6	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]	[1]

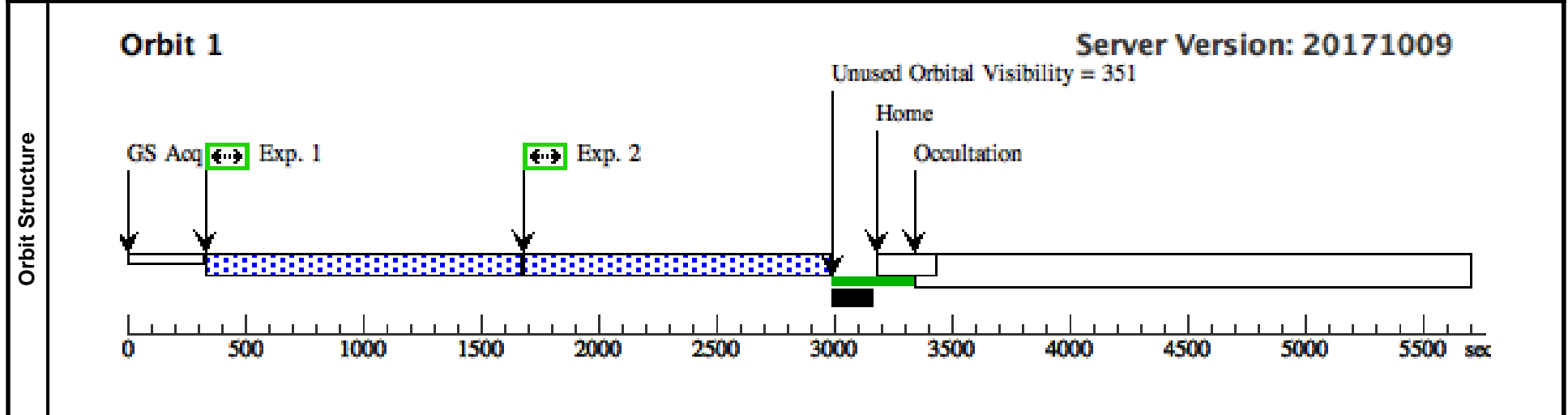


Visit	Proposal 15211, Visit 39, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 39) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 39) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 39) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(39)	PN-G341.5-09.1.	RA: 17 36 6.9130 (264.0288042d) Dec: -49 25 45.58 (-49.42933d) Equinox: J2000		V=15.61 -11.28	Reference Frame: ICRS
	Comments: Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(39) PN-G341.5-09.1	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs) [=>]	[1]
	2	(1007738)	(39) PN-G341.5-09.1	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1145 Secs (1145 Secs) [=>]	[1]

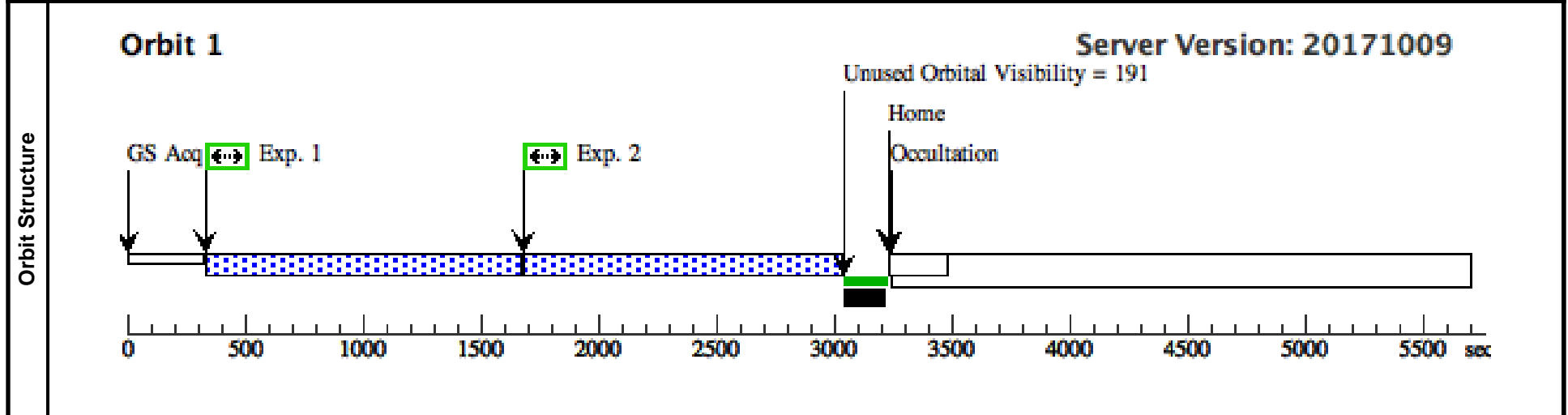


Visit	Proposal 15211, Visit 40, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 40) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 40) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 40) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(40)</td> <td>PN-G343.4+11.9.</td> <td>RA: 16 13 28.2180 (243.3675750d) Dec: -34 35 39.43 (-34.59429d) Equinox: J2000</td> <td></td> <td>V=17.14 -11.25</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(40)	PN-G343.4+11.9.	RA: 16 13 28.2180 (243.3675750d) Dec: -34 35 39.43 (-34.59429d) Equinox: J2000		V=17.14 -11.25	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(40)	PN-G343.4+11.9.	RA: 16 13 28.2180 (243.3675750d) Dec: -34 35 39.43 (-34.59429d) Equinox: J2000		V=17.14 -11.25	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(40) PN-G343.4+11.9.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(40) PN-G343.4+11.9.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]

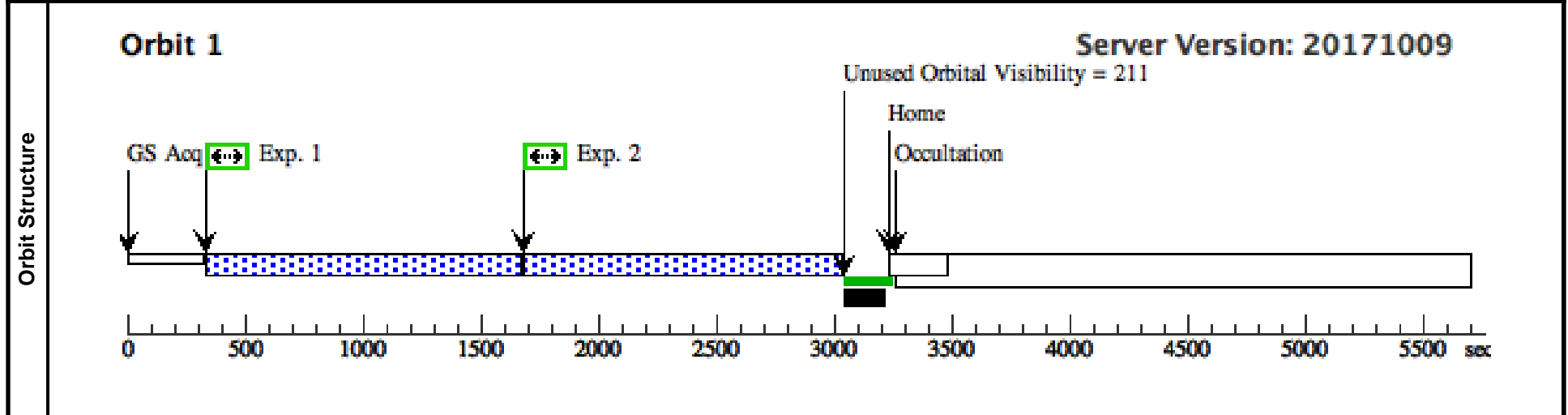


Visit	Proposal 15211, Visit 41, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 41) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 41) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 41) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(41)</td> <td>PN-G344.2+04.7.</td> <td>RA: 16 42 33.4700 (250.6394583d) Dec: -38 54 31.69 (-38.90880d) Equinox: J2000</td> <td></td> <td>V=15.73 -11.47</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(41)	PN-G344.2+04.7.	RA: 16 42 33.4700 (250.6394583d) Dec: -38 54 31.69 (-38.90880d) Equinox: J2000		V=15.73 -11.47	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(41)	PN-G344.2+04.7.	RA: 16 42 33.4700 (250.6394583d) Dec: -38 54 31.69 (-38.90880d) Equinox: J2000		V=15.73 -11.47	Reference Frame: ICRS								
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(41) PN-G344.2+04.7.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
2	(1007738)	(41) PN-G344.2+04.7.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]	

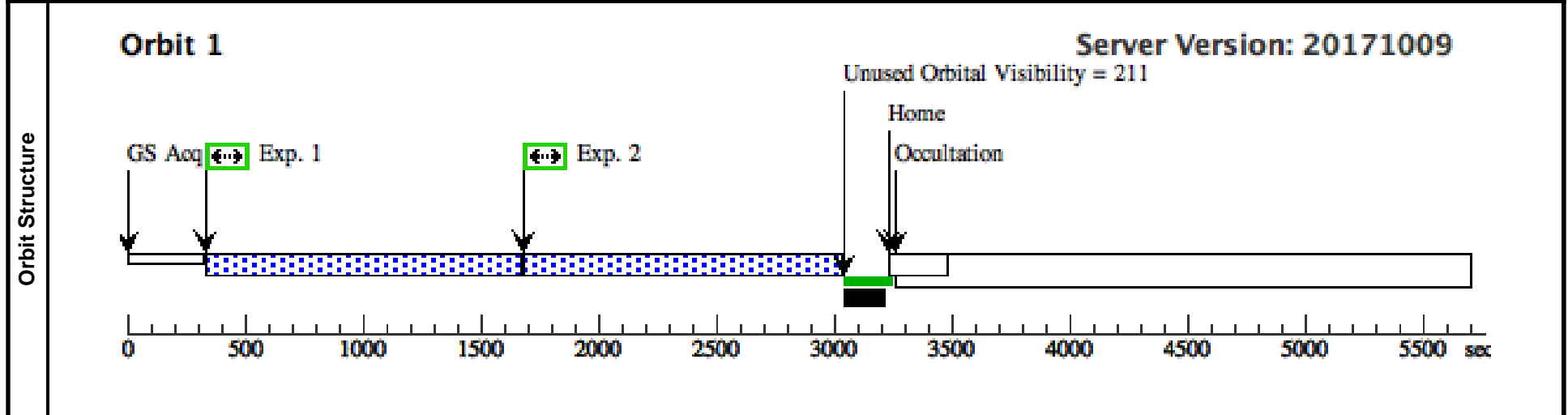


Visit	Proposal 15211, Visit 42, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 42) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 42) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 42) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(42)</td> <td>PN-G344.8+03.4.</td> <td>RA: 16 49 32.8720 (252.3869667d) Dec: -39 21 9.36 (-39.35260d) Equinox: J2000</td> <td></td> <td>V=18.1 -13.05</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(42)	PN-G344.8+03.4.	RA: 16 49 32.8720 (252.3869667d) Dec: -39 21 9.36 (-39.35260d) Equinox: J2000		V=18.1 -13.05	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(42)	PN-G344.8+03.4.	RA: 16 49 32.8720 (252.3869667d) Dec: -39 21 9.36 (-39.35260d) Equinox: J2000		V=18.1 -13.05	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(42) PN-G344.8+03.4.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(42) PN-G344.8+03.4.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]

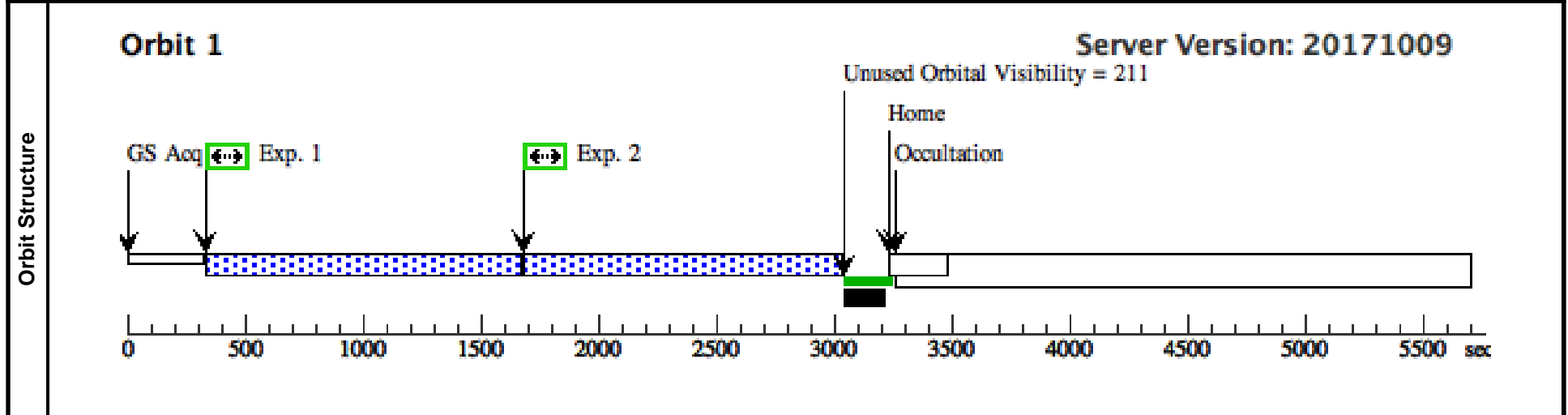


Visit	Proposal 15211, Visit 43, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 43) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 43) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 43) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(43)	PN-G345.0+04.3.	RA: 16 46 45.0800 (251.6878333d) Dec: -38 36 58.47 (-38.61624d) Equinox: J2000		V=15.26 -12.25	Reference Frame: ICRS
	<i>Comments:</i> Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(43) PN-G345.0+04.3.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs) [=>]	[1]
	2	(1007738)	(43) PN-G345.0+04.3.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs) [=>]	[1]

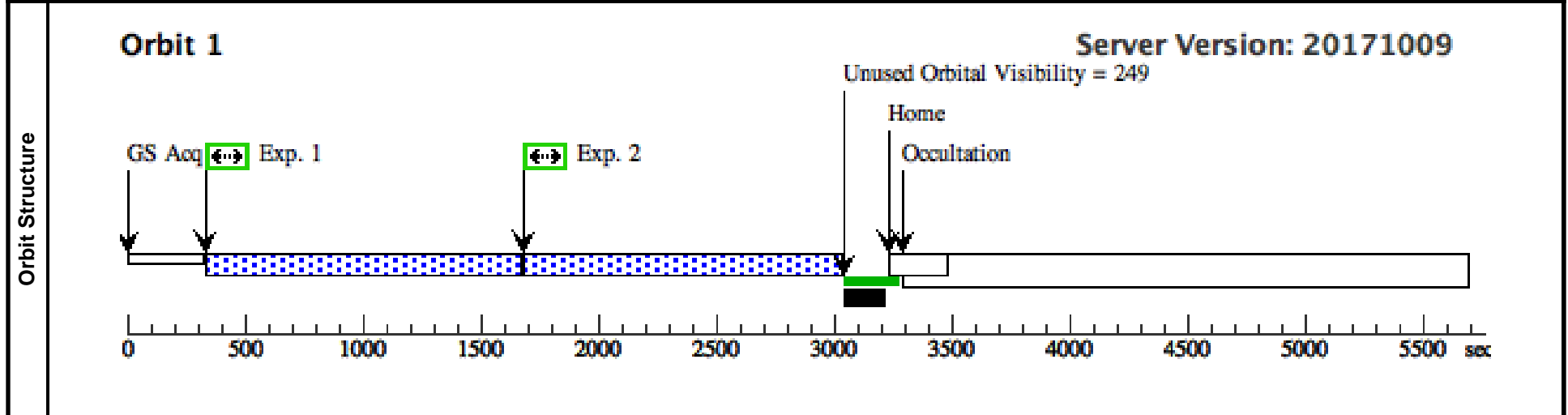


Visit	Proposal 15211, Visit 44, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 44) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 44) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 44) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(44)</td> <td>PN-G348.4-04.1.</td> <td>RA: 17 32 47.7530 (263.1989708d) Dec: -40 58 29.26 (-40.97479d) Equinox: J2000</td> <td></td> <td>V=17.65 -11.55</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(44)	PN-G348.4-04.1.	RA: 17 32 47.7530 (263.1989708d) Dec: -40 58 29.26 (-40.97479d) Equinox: J2000		V=17.65 -11.55	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(44)	PN-G348.4-04.1.	RA: 17 32 47.7530 (263.1989708d) Dec: -40 58 29.26 (-40.97479d) Equinox: J2000		V=17.65 -11.55	Reference Frame: ICRS								
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(44) PN-G348.4-04.1	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]
2	(1007738)	(44) PN-G348.4-04.1	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]	[1]

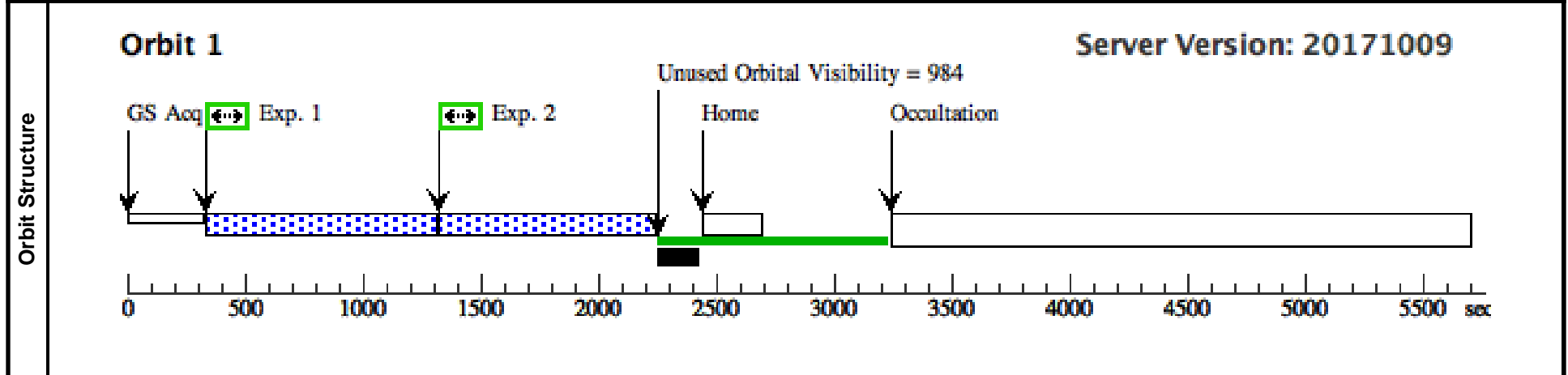


Visit	Proposal 15211, Visit 45, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 45) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 45) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 45) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(45)</td> <td>PN-G351.3+07.6.</td> <td>RA: 16 53 37.2840 (253.4053500d) Dec: -31 40 32.88 (-31.67580d) Equinox: J2000</td> <td></td> <td>V=16.07 -11.55</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(45)	PN-G351.3+07.6.	RA: 16 53 37.2840 (253.4053500d) Dec: -31 40 32.88 (-31.67580d) Equinox: J2000		V=16.07 -11.55	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(45)	PN-G351.3+07.6.	RA: 16 53 37.2840 (253.4053500d) Dec: -31 40 32.88 (-31.67580d) Equinox: J2000		V=16.07 -11.55	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(45) PN-G351.3+07.6.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		842 Secs (842 Secs)	[1]
	2	(1007738)	(45) PN-G351.3+07.6.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		765 Secs (765 Secs)	[1]

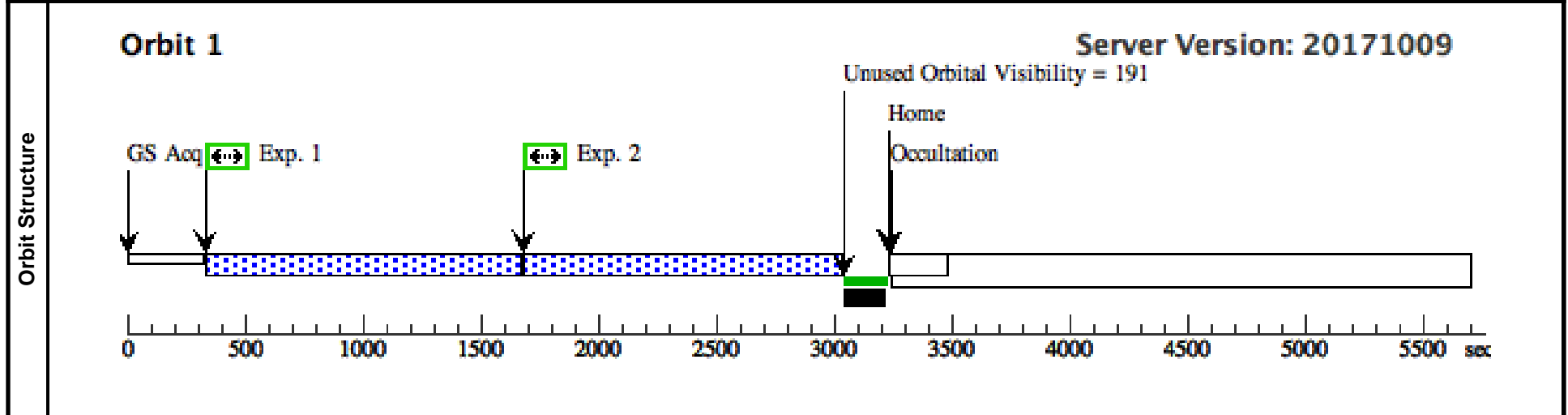


Visit	Proposal 15211, Visit 46, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 46) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 46) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 46) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(46)</td> <td>PN-G356.5+01.5.</td> <td>RA: 17 30 58.8310 (262.7451292d) Dec: -31 01 5.98 (-31.01833d) Equinox: J2000</td> <td></td> <td>V=19.63 -13.07</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(46)	PN-G356.5+01.5.	RA: 17 30 58.8310 (262.7451292d) Dec: -31 01 5.98 (-31.01833d) Equinox: J2000		V=19.63 -13.07	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(46)	PN-G356.5+01.5.	RA: 17 30 58.8310 (262.7451292d) Dec: -31 01 5.98 (-31.01833d) Equinox: J2000		V=19.63 -13.07	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(46) PN-G356.5+01.5.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(46) PN-G356.5+01.5.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]

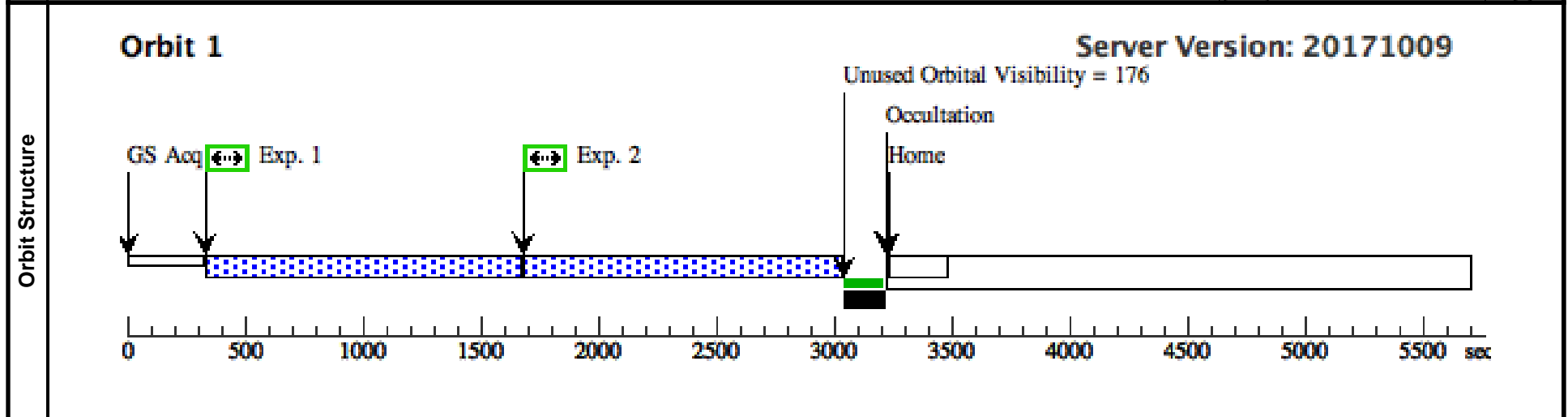


Visit	Proposal 15211, Visit 47, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 47) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 47) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 47) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(47)</td> <td>PN-G358.6+07.8.</td> <td>RA: 17 12 39.1820 (258.1632583d) Dec: -25 43 37.31 (-25.72703d) Equinox: J2000</td> <td></td> <td>V=17.03 -11.6</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(47)	PN-G358.6+07.8.	RA: 17 12 39.1820 (258.1632583d) Dec: -25 43 37.31 (-25.72703d) Equinox: J2000		V=17.03 -11.6	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(47)	PN-G358.6+07.8.	RA: 17 12 39.1820 (258.1632583d) Dec: -25 43 37.31 (-25.72703d) Equinox: J2000		V=17.03 -11.6	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(47) PN-G358.6+07.8.	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(47) PN-G358.6+07.8.	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]

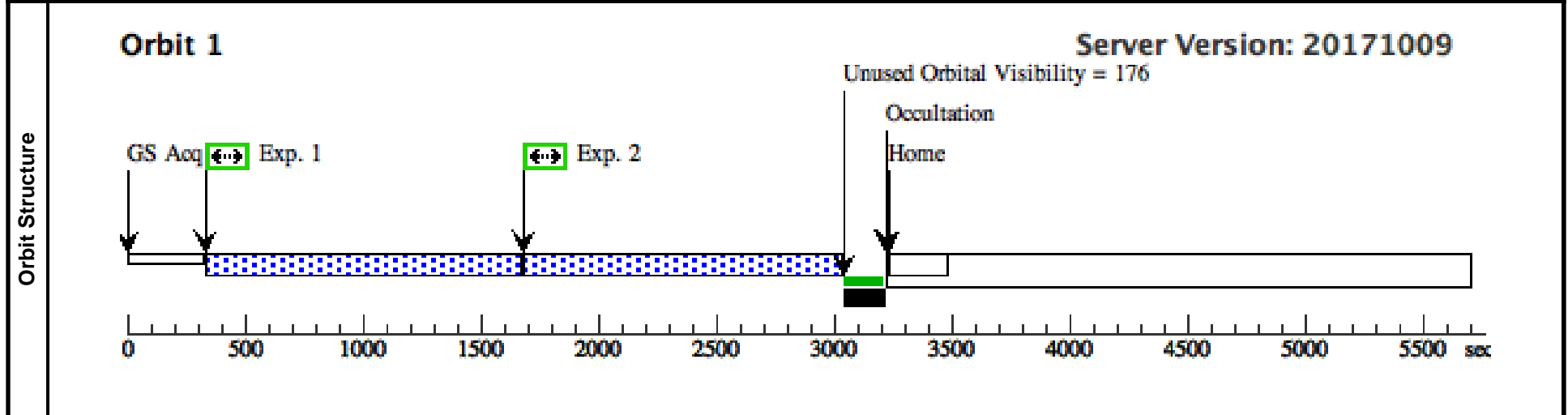


Visit	Proposal 15211, Visit 48, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 48) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 48) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 48) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(48)</td> <td>PN-G000.8-01.5</td> <td>RA: 17 53 49.7170 (268.4571542d) Dec: -28 59 11.26 (-28.98646d) Equinox: J2000</td> <td></td> <td>V=17.6 -12.14</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(48)	PN-G000.8-01.5	RA: 17 53 49.7170 (268.4571542d) Dec: -28 59 11.26 (-28.98646d) Equinox: J2000		V=17.6 -12.14	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(48)	PN-G000.8-01.5	RA: 17 53 49.7170 (268.4571542d) Dec: -28 59 11.26 (-28.98646d) Equinox: J2000		V=17.6 -12.14	Reference Frame: ICRS								
Comments: magnitude uncertainty>0.5 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(48) PN-G000.8-01.5	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
2	(1007738)	(48) PN-G000.8-01.5	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]	

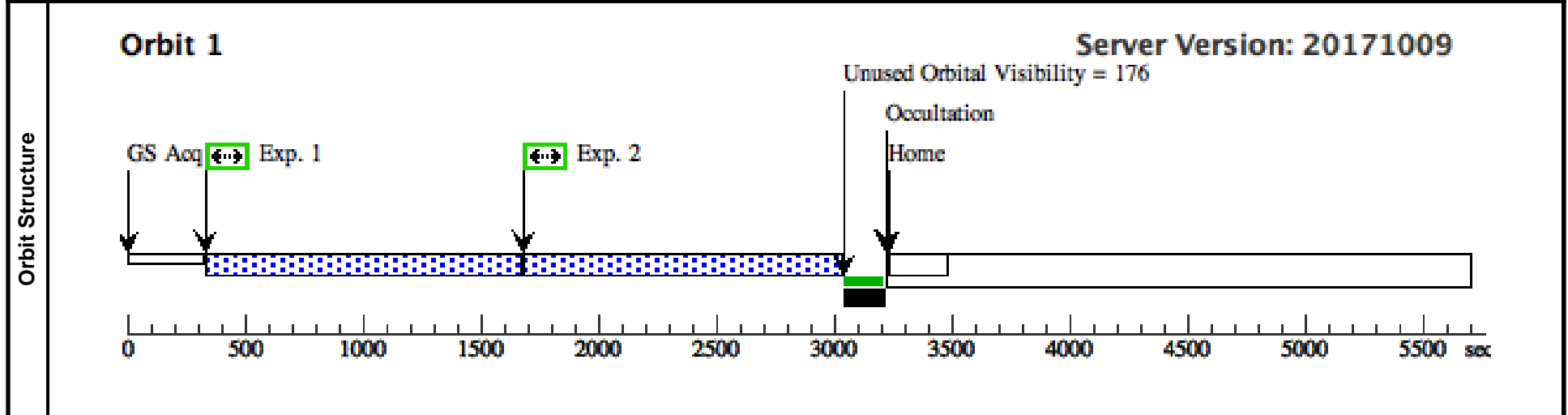


Visit	Proposal 15211, Visit 49, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 49) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 49) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 49) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(49)</td> <td>PN-G002.4-03.7</td> <td>RA: 18 06 5.7650 (271.5240208d) Dec: -28 40 29.28 (-28.67480d) Equinox: J2000</td> <td></td> <td>V=14.45 -10.98</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(49)	PN-G002.4-03.7	RA: 18 06 5.7650 (271.5240208d) Dec: -28 40 29.28 (-28.67480d) Equinox: J2000		V=14.45 -10.98	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(49)	PN-G002.4-03.7	RA: 18 06 5.7650 (271.5240208d) Dec: -28 40 29.28 (-28.67480d) Equinox: J2000		V=14.45 -10.98	Reference Frame: ICRS								
Comments: magnitude uncertainty < 0.1 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(49) PN-G002.4-03.7	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]
2	(1007738)	(49) PN-G002.4-03.7	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]	[1]

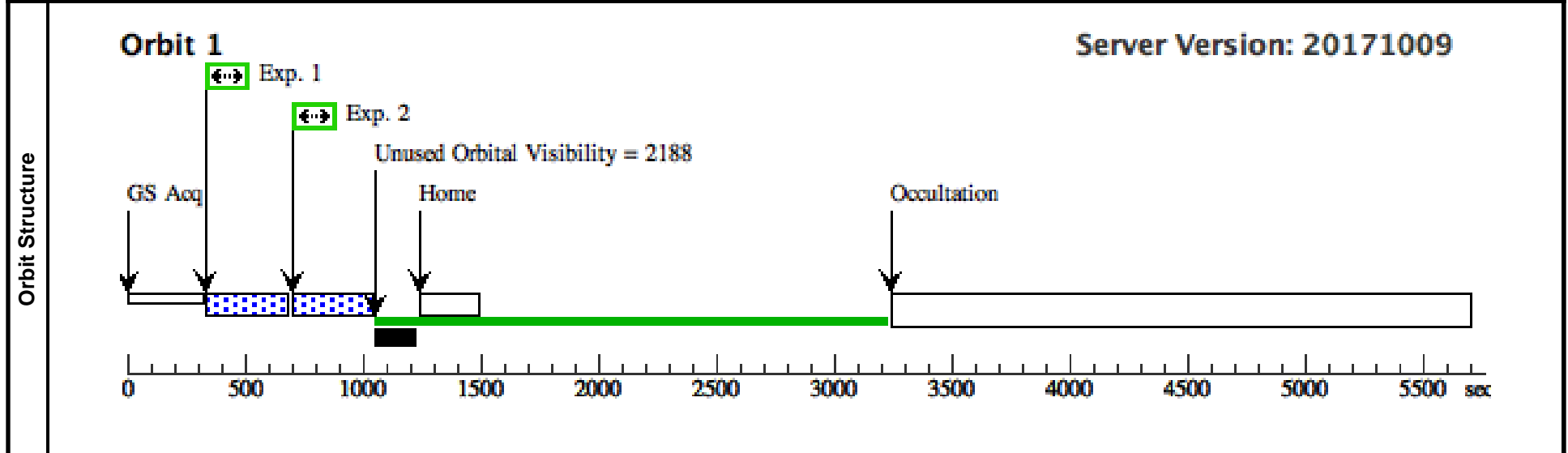


Visit	Proposal 15211, Visit 50, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 50) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 50) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 50) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(50)</td> <td>PN-G003.9-14.9</td> <td>RA: 18 55 37.9500 (283.9081250d) Dec: -32 15 47.07 (-32.26308d) Equinox: J2000</td> <td></td> <td>V=13.97 -10.33</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(50)	PN-G003.9-14.9	RA: 18 55 37.9500 (283.9081250d) Dec: -32 15 47.07 (-32.26308d) Equinox: J2000		V=13.97 -10.33	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(50)	PN-G003.9-14.9	RA: 18 55 37.9500 (283.9081250d) Dec: -32 15 47.07 (-32.26308d) Equinox: J2000		V=13.97 -10.33	Reference Frame: ICRS							
Comments: magnitude uncertainty between 0.1 and 0.25 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(50) PN-G003.9-14.9	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		218 Secs (218 Secs)	[1]
	2	(1007738)	(50) PN-G003.9-14.9	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		185 Secs (185 Secs)	[1]

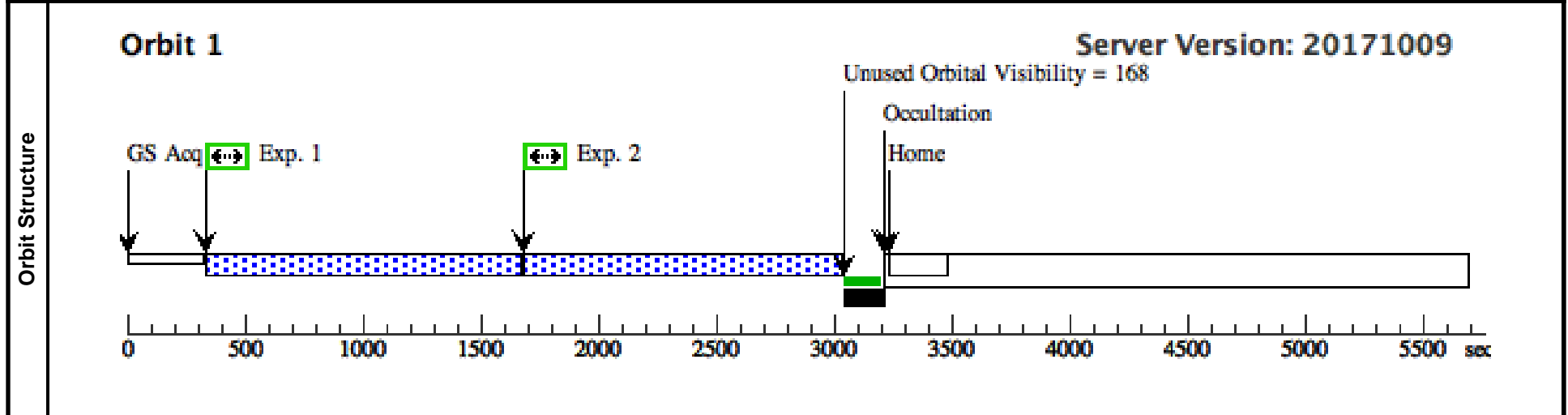


Visit	Proposal 15211, Visit 51, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 51) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 51) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 51) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(51)</td> <td>PN-G008.1-04.7</td> <td>RA: 18 22 1.1480 (275.5047833d) Dec: -24 10 40.18 (-24.17783d) Equinox: J2000</td> <td></td> <td>V=15.8 -11.4</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: magnitude uncertainty between 0.25 and 0.5</i> Category=ISM Description=[PLANETARY NEBULA]</p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(51)	PN-G008.1-04.7	RA: 18 22 1.1480 (275.5047833d) Dec: -24 10 40.18 (-24.17783d) Equinox: J2000		V=15.8 -11.4	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(51)	PN-G008.1-04.7	RA: 18 22 1.1480 (275.5047833d) Dec: -24 10 40.18 (-24.17783d) Equinox: J2000		V=15.8 -11.4	Reference Frame: ICRS							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(51) PN-G008.1-04.7	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(51) PN-G008.1-04.7	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]

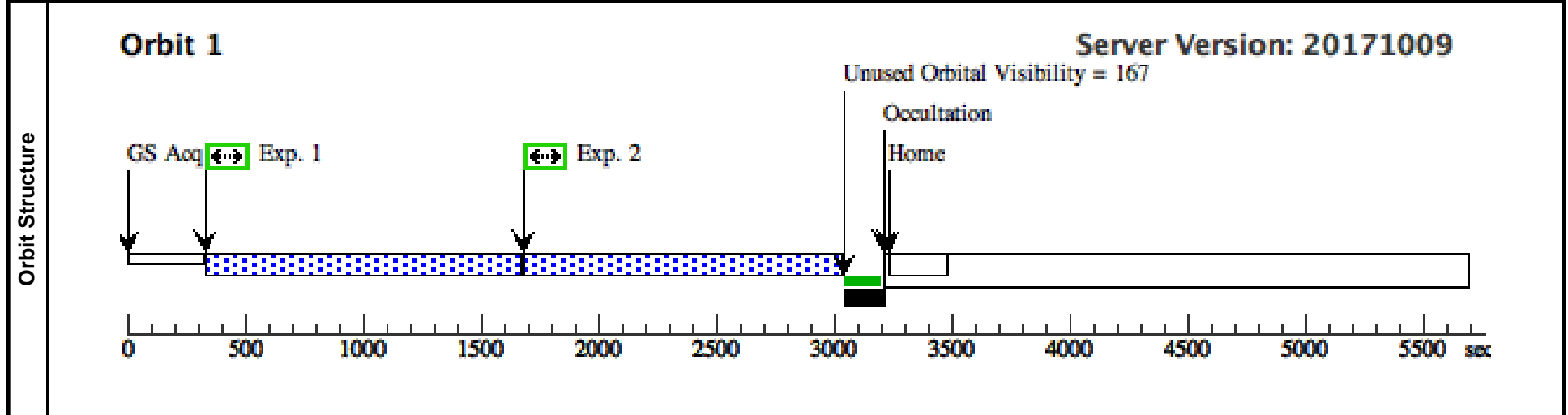


Visit	Proposal 15211, Visit 52, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 52) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 52) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 52) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(52)</td> <td>PN-G010.6+03.2</td> <td>RA: 17 57 6.5990 (269.2774958d) Dec: -18 06 43.43 (-18.11206d) Equinox: J2000</td> <td></td> <td>V=18.3 -12.33</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(52)	PN-G010.6+03.2	RA: 17 57 6.5990 (269.2774958d) Dec: -18 06 43.43 (-18.11206d) Equinox: J2000		V=18.3 -12.33	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(52)	PN-G010.6+03.2	RA: 17 57 6.5990 (269.2774958d) Dec: -18 06 43.43 (-18.11206d) Equinox: J2000		V=18.3 -12.33	Reference Frame: ICRS							
Comments: magnitude uncertainty > 0.5 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(52) PN-G010.6+03.2	STIS/FUV-MAMA, ACCUM, 6X6	G140L	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
			2			1425 A			[=>]	[1]
2	(1007738)	(52) PN-G010.6+03.2	STIS/NUV-MAMA, ACCUM, 6X6	G230L	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)		
		2			2376 A			[=>]	[1]	

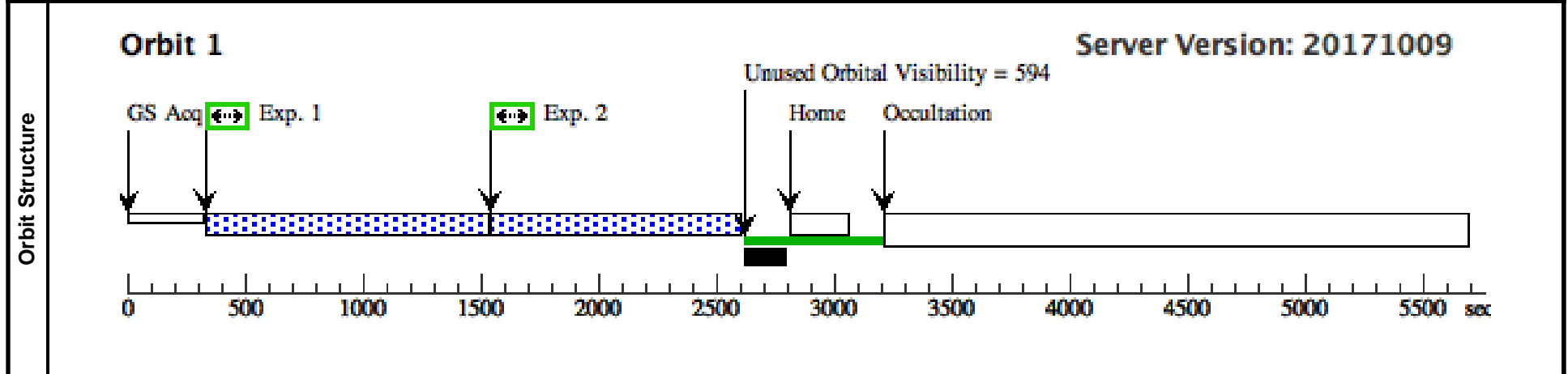


Visit	Proposal 15211, Visit 53, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 53) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 53) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 53) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(53)</td> <td>PN-G011.0-05.1</td> <td>RA: 18 29 11.1540 (277.2964750d) Dec: -21 46 53.43 (-21.78151d) Equinox: J2000</td> <td></td> <td>V=15.3 -10.81</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(53)	PN-G011.0-05.1	RA: 18 29 11.1540 (277.2964750d) Dec: -21 46 53.43 (-21.78151d) Equinox: J2000		V=15.3 -10.81	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(53)	PN-G011.0-05.1	RA: 18 29 11.1540 (277.2964750d) Dec: -21 46 53.43 (-21.78151d) Equinox: J2000		V=15.3 -10.81	Reference Frame: ICRS								
Comments: magnitude uncertainty between 0.25 and 0.5 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(53) PN-G011.0-05.1	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			1062 Secs (1062 Secs) [==>]
2	(1007738)	(53) PN-G011.0-05.1	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			912 Secs (912 Secs) [==>]	[1]

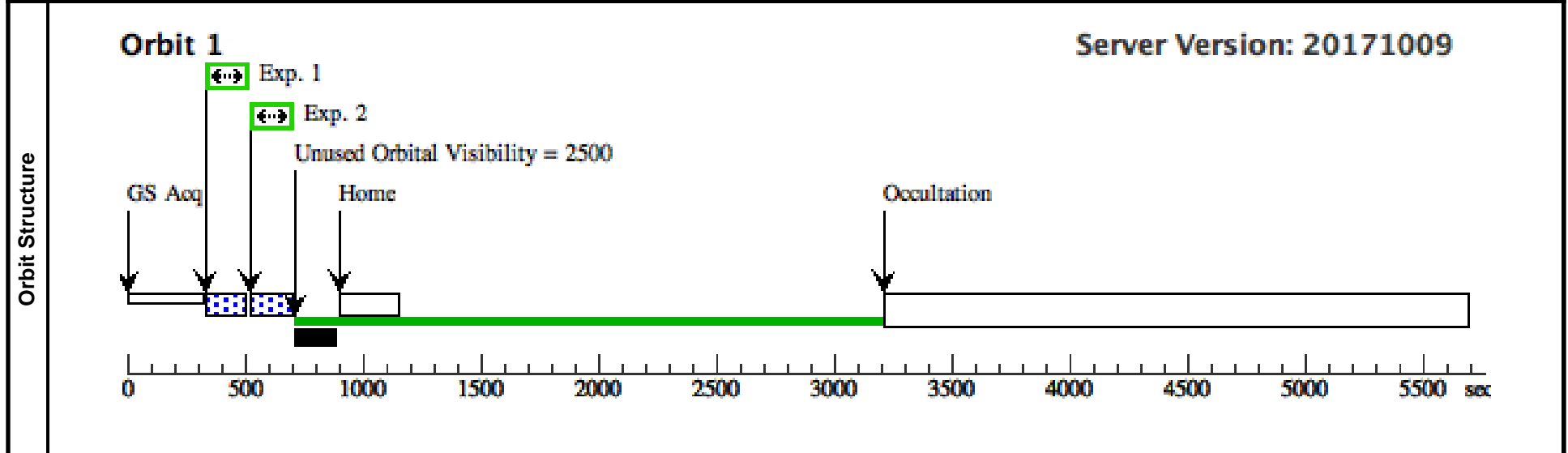


Visit	Proposal 15211, Visit 54, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 54) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 54) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 54) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(54)</td> <td>PN-G011.1+07.0</td> <td>RA: 17 44 42.2820 (266.1761750d) Dec: -15 45 11.45 (-15.75318d) Equinox: J2000</td> <td></td> <td>V=15.5 -12.3</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(54)	PN-G011.1+07.0	RA: 17 44 42.2820 (266.1761750d) Dec: -15 45 11.45 (-15.75318d) Equinox: J2000		V=15.5 -12.3	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(54)	PN-G011.1+07.0	RA: 17 44 42.2820 (266.1761750d) Dec: -15 45 11.45 (-15.75318d) Equinox: J2000		V=15.5 -12.3	Reference Frame: ICRS							
Comments: magnitude uncertainty between 0.1 and 0.25 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(54) PN-G011.1+07.0	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		37 Secs (37 Secs)	[1]
	2	(1007738)	(54) PN-G011.1+07.0	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		30 Secs (30 Secs)	[1]

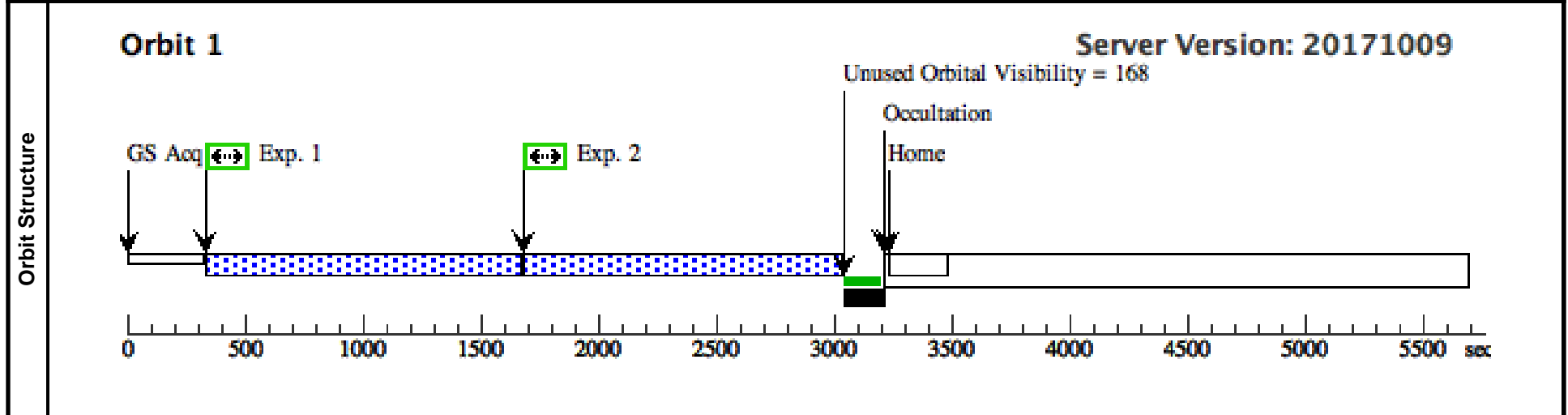


Visit	Proposal 15211, Visit 55, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 55) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 55) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 55) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(55)</td> <td>PN-G012.5-09.8</td> <td>RA: 18 50 26.0300 (282.6084583d) Dec: -22 34 22.54 (-22.57293d) Equinox: J2000</td> <td></td> <td>V=17.4 -10.84</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(55)	PN-G012.5-09.8	RA: 18 50 26.0300 (282.6084583d) Dec: -22 34 22.54 (-22.57293d) Equinox: J2000		V=17.4 -10.84	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(55)	PN-G012.5-09.8	RA: 18 50 26.0300 (282.6084583d) Dec: -22 34 22.54 (-22.57293d) Equinox: J2000		V=17.4 -10.84	Reference Frame: ICRS								
Comments: magnitude uncertainty > 0.5 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(55) PN-G012.5-09.8	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]
2	(1007738)	(55) PN-G012.5-09.8	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]	[1]

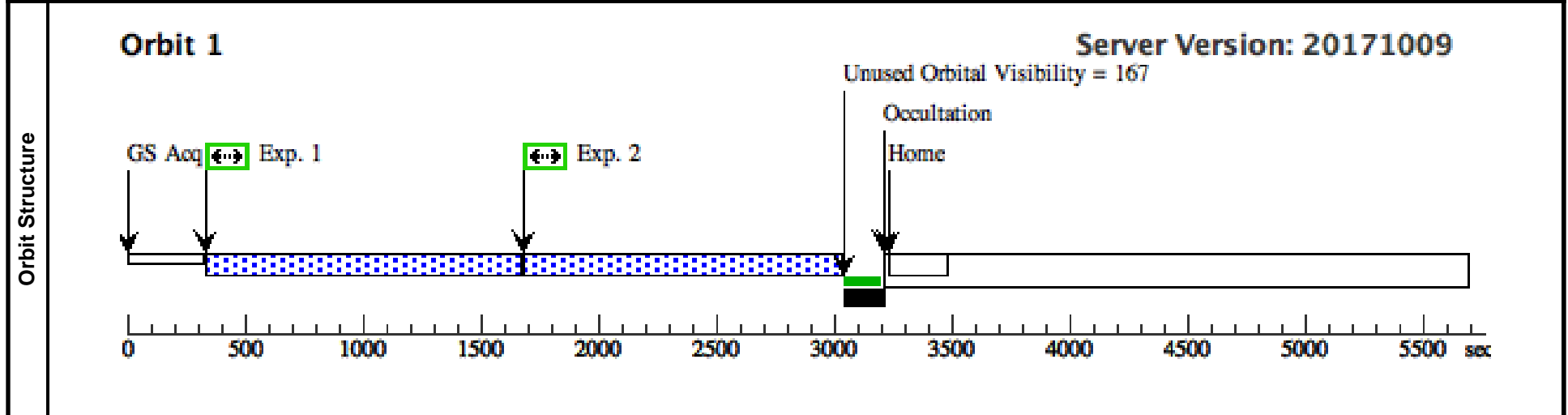


Visit	Proposal 15211, Visit 56, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 56) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 56) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 56) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(56)</td> <td>PN-G012.6-02.7</td> <td>RA: 18 23 7.9840 (275.7832667d) Dec: -19 17 5.26 (-19.28479d) Equinox: J2000</td> <td></td> <td>V=16.8 -11.89</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(56)	PN-G012.6-02.7	RA: 18 23 7.9840 (275.7832667d) Dec: -19 17 5.26 (-19.28479d) Equinox: J2000		V=16.8 -11.89	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(56)	PN-G012.6-02.7	RA: 18 23 7.9840 (275.7832667d) Dec: -19 17 5.26 (-19.28479d) Equinox: J2000		V=16.8 -11.89	Reference Frame: ICRS								
Comments: magnitude uncertainty between 0.25 and 0.5 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(56) PN-G012.6-02.7	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
2	(1007738)	(56) PN-G012.6-02.7	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]	

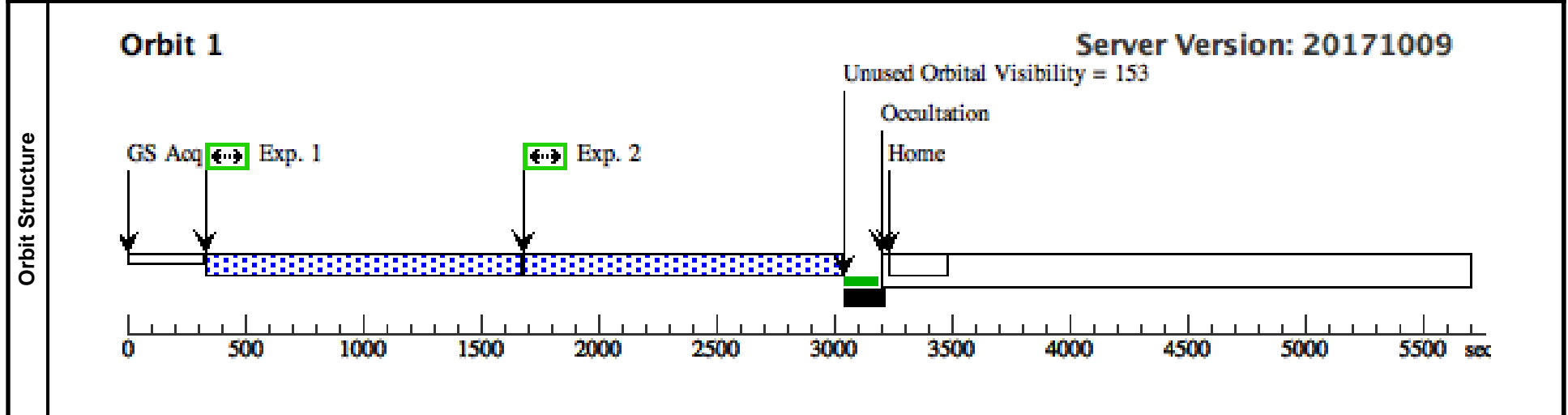


Visit	Proposal 15211, Visit 57, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 57) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 57) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 57) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(57)</td> <td>PN-G032.5-03.2</td> <td>RA: 19 02 10.1540 (285.5423083d) Dec: -01 48 45.31 (-1.81259d) Equinox: J2000</td> <td></td> <td>V=17.0 -13.64</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(57)	PN-G032.5-03.2	RA: 19 02 10.1540 (285.5423083d) Dec: -01 48 45.31 (-1.81259d) Equinox: J2000		V=17.0 -13.64	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(57)	PN-G032.5-03.2	RA: 19 02 10.1540 (285.5423083d) Dec: -01 48 45.31 (-1.81259d) Equinox: J2000		V=17.0 -13.64	Reference Frame: ICRS								
Comments: magnitude uncertainty > 0.5 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(57) PN-G032.5-03.2	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
2	(1007738)	(57) PN-G032.5-03.2	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]	

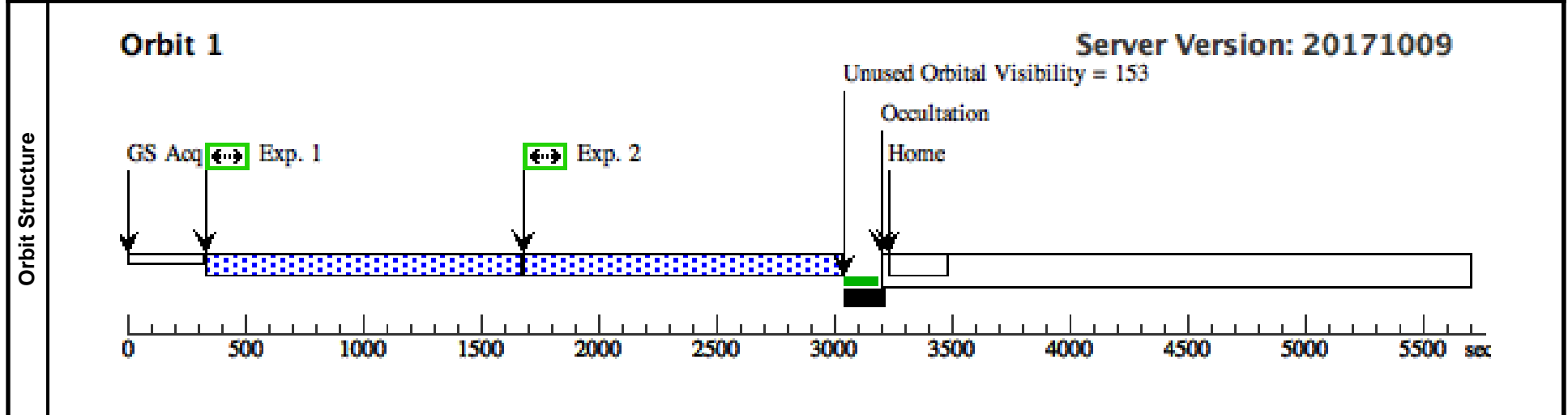


Visit	Proposal 15211, Visit 58, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 58) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 58) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 58) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(58)</td> <td>PN-G038.4-03.3</td> <td>RA: 19 13 22.6240 (288.3442667d) Dec: +03 25 0.30 (3.41675d) Equinox: J2000</td> <td></td> <td>V=14.72 -12.22</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(58)	PN-G038.4-03.3	RA: 19 13 22.6240 (288.3442667d) Dec: +03 25 0.30 (3.41675d) Equinox: J2000		V=14.72 -12.22	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(58)	PN-G038.4-03.3	RA: 19 13 22.6240 (288.3442667d) Dec: +03 25 0.30 (3.41675d) Equinox: J2000		V=14.72 -12.22	Reference Frame: ICRS								
Comments: magnitude uncertainty between 0.1 and 0.25 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(58) PN-G038.4-03.3	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs)
2	(1007738)	(58) PN-G038.4-03.3	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs)	

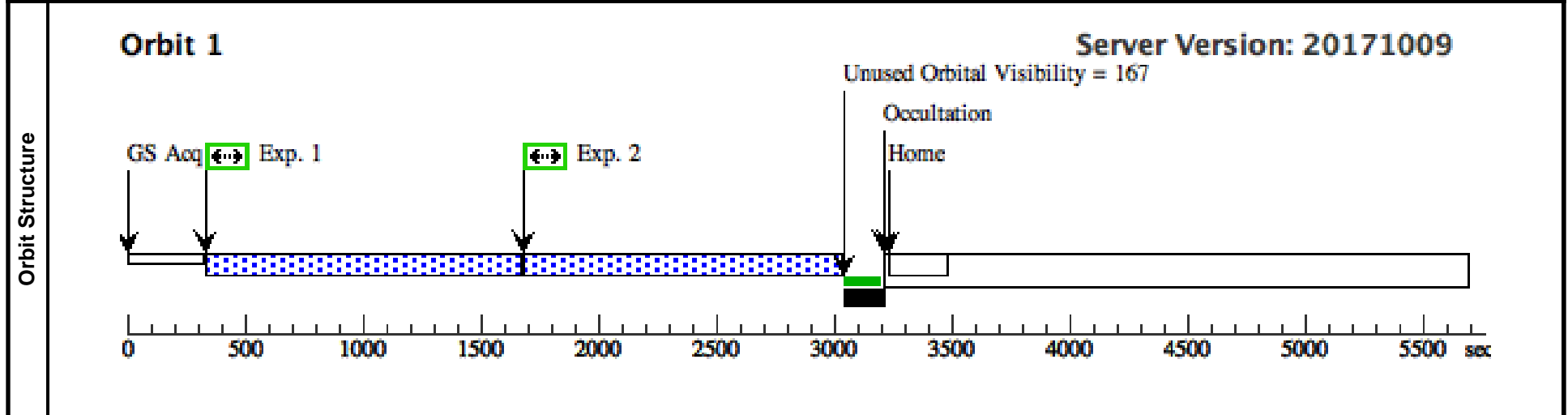


Visit	Proposal 15211, Visit 59, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 59) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 59) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 59) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(59)</td> <td>PN-G051.0+02.8</td> <td>RA: 19 14 59.7550 (288.7489792d) Dec: +17 22 46.01 (17.37945d) Equinox: J2000</td> <td></td> <td>V=13.42 -12.37</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(59)	PN-G051.0+02.8	RA: 19 14 59.7550 (288.7489792d) Dec: +17 22 46.01 (17.37945d) Equinox: J2000		V=13.42 -12.37	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(59)	PN-G051.0+02.8	RA: 19 14 59.7550 (288.7489792d) Dec: +17 22 46.01 (17.37945d) Equinox: J2000		V=13.42 -12.37	Reference Frame: ICRS								
Comments: magnitude uncertainty < 0.1 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(59) PN-G051.0+02.8	8	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)
2	(1007738)	(59) PN-G051.0+02.8	8	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	

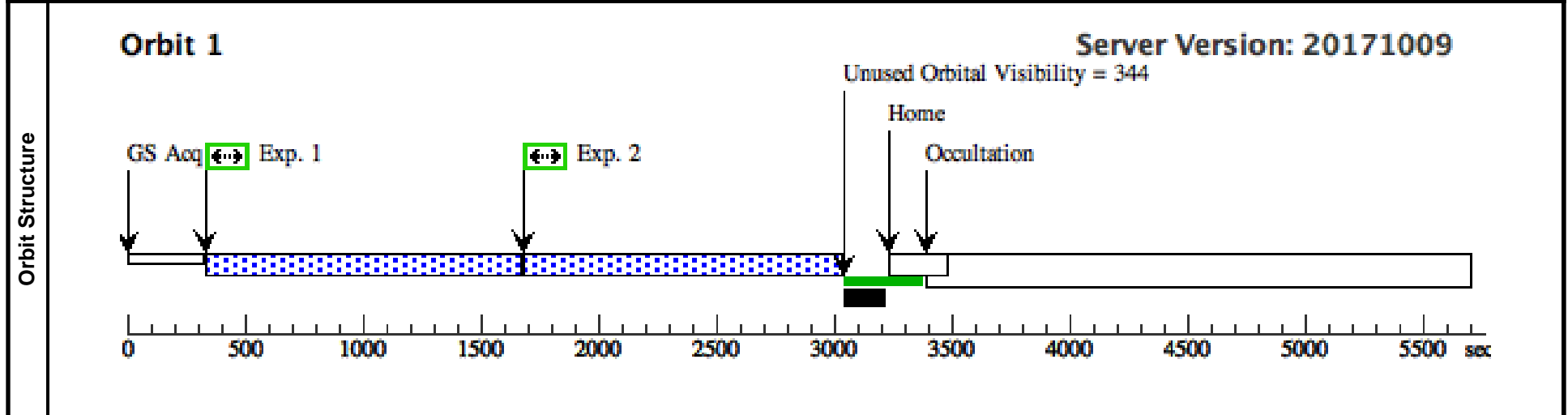


Visit	Proposal 15211, Visit 60, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 60) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 60) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 60) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(60)</td> <td>PN-G329.4-02.7</td> <td>RA: 16 14 24.2660 (243.6011083d) Dec: -54 47 38.82 (-54.79412d) Equinox: J2000</td> <td></td> <td>V=16.1 -11.58</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(60)	PN-G329.4-02.7	RA: 16 14 24.2660 (243.6011083d) Dec: -54 47 38.82 (-54.79412d) Equinox: J2000		V=16.1 -11.58	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(60)	PN-G329.4-02.7	RA: 16 14 24.2660 (243.6011083d) Dec: -54 47 38.82 (-54.79412d) Equinox: J2000		V=16.1 -11.58	Reference Frame: ICRS								
Comments: magnitude uncertainty between 0.25 and 0.5 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(60) PN-G329.4-02.7	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]
2	(1007738)	(60) PN-G329.4-02.7	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]	[1]

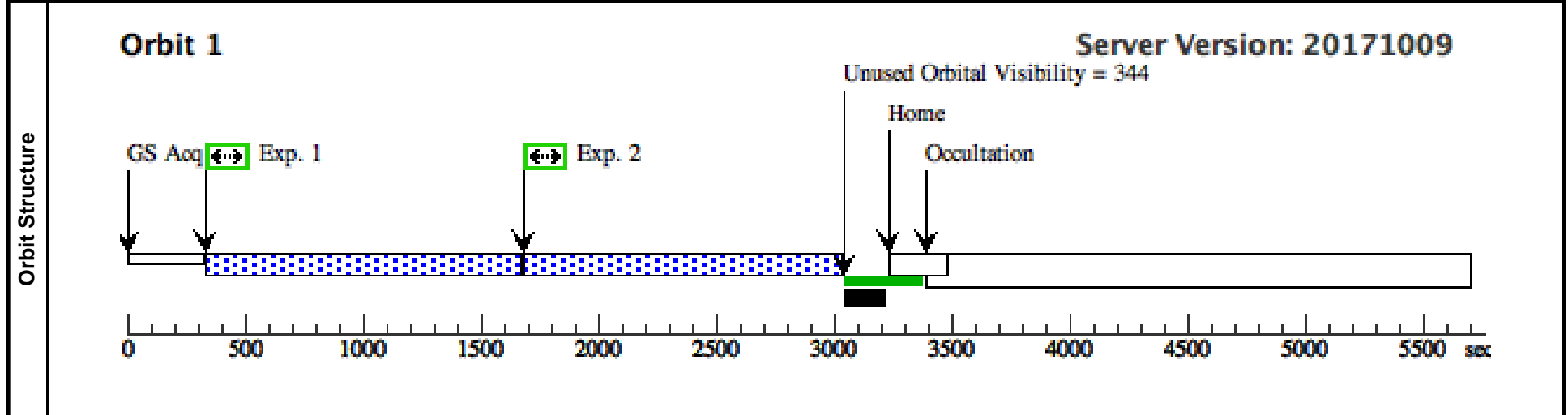


Visit	Proposal 15211, Visit 61, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 61) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 61) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 61) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(61)</td> <td>PN-G331.0-02.7</td> <td>RA: 16 22 14.2640 (245.5594333d) Dec: -53 40 54.09 (-53.68169d) Equinox: J2000</td> <td></td> <td>V=17.6 -12.17</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(61)	PN-G331.0-02.7	RA: 16 22 14.2640 (245.5594333d) Dec: -53 40 54.09 (-53.68169d) Equinox: J2000		V=17.6 -12.17	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(61)	PN-G331.0-02.7	RA: 16 22 14.2640 (245.5594333d) Dec: -53 40 54.09 (-53.68169d) Equinox: J2000		V=17.6 -12.17	Reference Frame: ICRS								
Comments: magnitude uncertainty between 0.25 and 0.5 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(61) PN-G331.0-02.7	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]
2	(1007738)	(61) PN-G331.0-02.7	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]	[1]

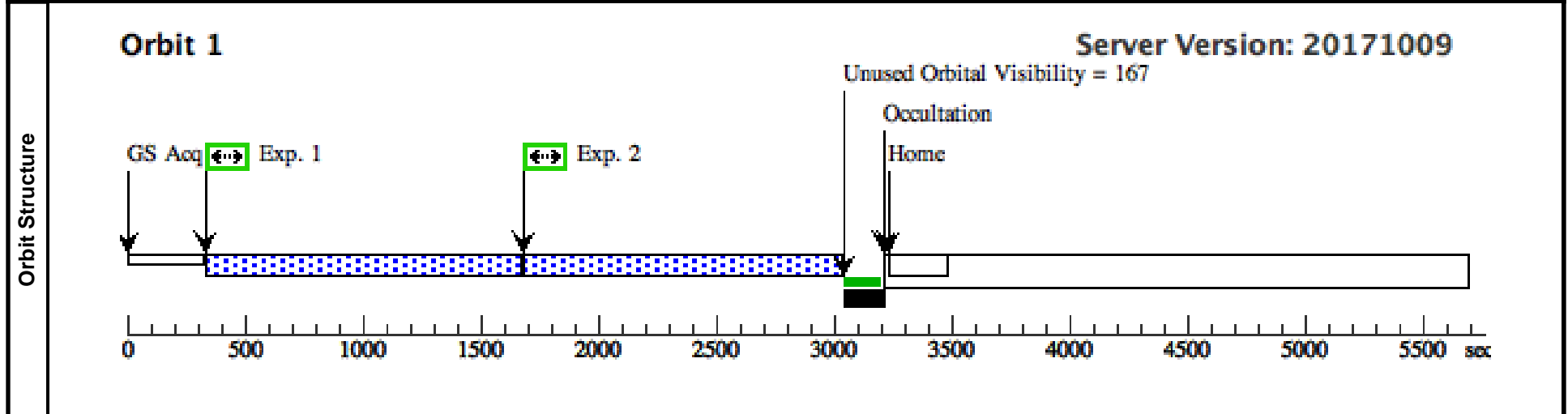


Visit	Proposal 15211, Visit 62, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 62) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 62) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 62) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(62)	PN-G006.1+08.3	RA: 17 28 57.6100 (262.2400417d) Dec: -19 15 53.94 (-19.26498d) Equinox: J2000		V=17.1 -11.45	Reference Frame: ICRS
	<i>Comments: magnitude uncertainty between 0.25 and 0.5 possible contamination by a field star (Shaw & Kaler 1989) fullerene-containing PN</i> Category=ISM Description=[PLANETARY NEBULA]					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(62) PN-G006.1+08.3	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs) [==>]	[1]
	2	(1007738)	(62) PN-G006.1+08.3	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs) [==>]	[1]

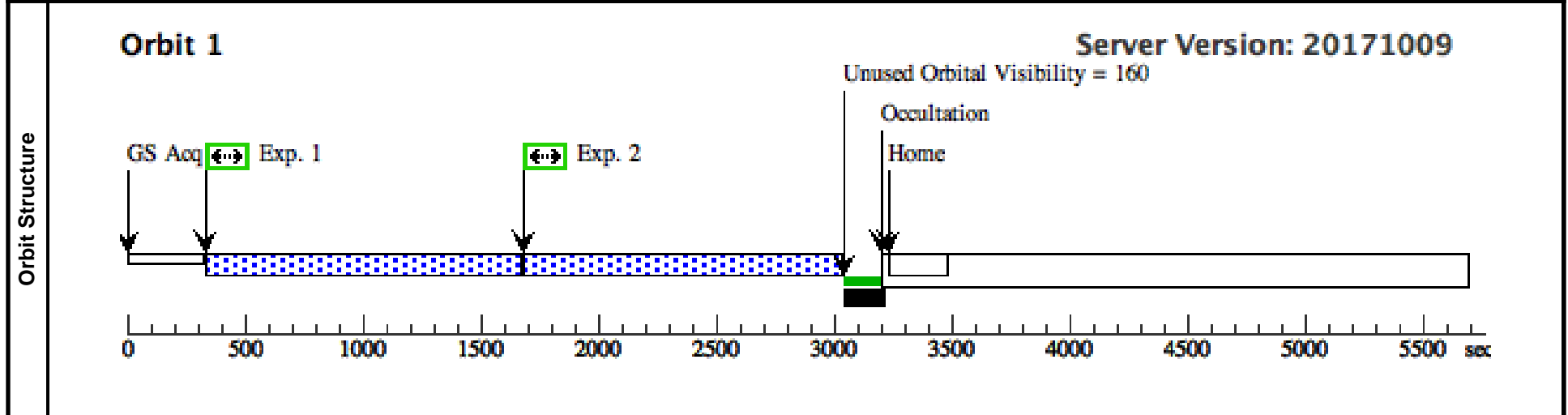


Visit	Proposal 15211, Visit 63, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 63) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 63) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 63) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(63)</td> <td>PN-G019.7-04.5</td> <td>RA: 18 43 38.1070 (280.9087792d) Dec: -13 44 48.64 (-13.74684d) Equinox: J2000</td> <td></td> <td>V=13.4 -11.25</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: B magnitude 13.4 (V not available)</i> Category=ISM Description=[PLANETARY NEBULA]</p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(63)	PN-G019.7-04.5	RA: 18 43 38.1070 (280.9087792d) Dec: -13 44 48.64 (-13.74684d) Equinox: J2000		V=13.4 -11.25	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(63)	PN-G019.7-04.5	RA: 18 43 38.1070 (280.9087792d) Dec: -13 44 48.64 (-13.74684d) Equinox: J2000		V=13.4 -11.25	Reference Frame: ICRS							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(63) PN-G019.7-04.5	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(63) PN-G019.7-04.5	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]

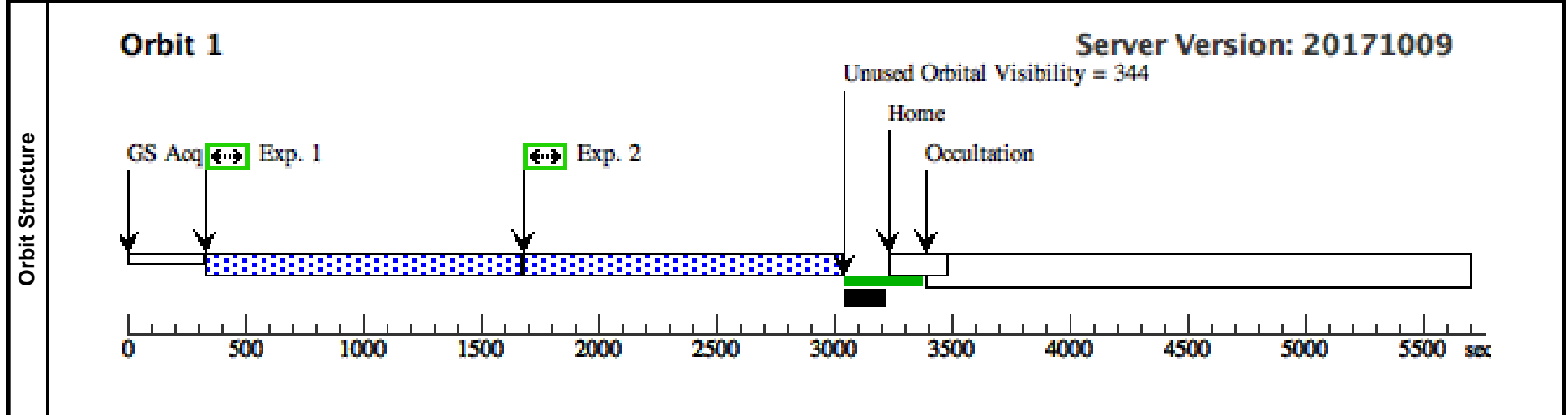


Visit	Proposal 15211, Visit 64, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 64) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 64) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 64) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(64)</td> <td>PN-G095.2+00.7</td> <td>RA: 21 31 50.2030 (322.9591792d) Dec: +52 33 51.64 (52.56434d) Equinox: J2000</td> <td></td> <td>V=17.6 -11.97</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(64)	PN-G095.2+00.7	RA: 21 31 50.2030 (322.9591792d) Dec: +52 33 51.64 (52.56434d) Equinox: J2000		V=17.6 -11.97	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(64)	PN-G095.2+00.7	RA: 21 31 50.2030 (322.9591792d) Dec: +52 33 51.64 (52.56434d) Equinox: J2000		V=17.6 -11.97	Reference Frame: ICRS								
Comments: B magnitude 17.6 (V not available) Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(64) PN-G095.2+00.7	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
2	(1007738)	(64) PN-G095.2+00.7	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]	

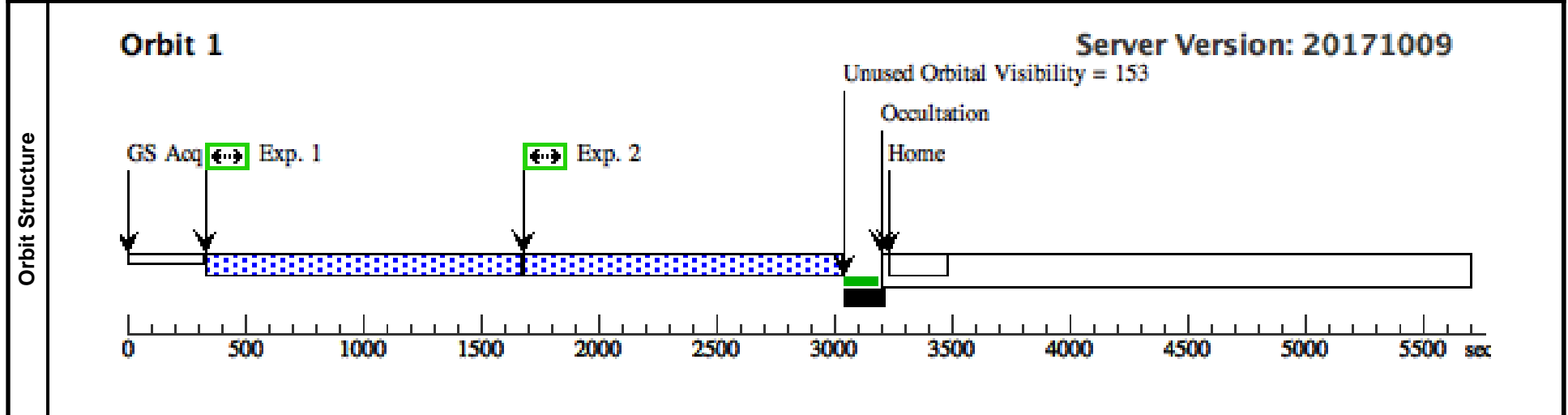


Visit	Proposal 15211, Visit 65, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 65) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 65) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 65) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(65)</td> <td>PN-G211.2-03.5</td> <td>RA: 06 35 45.1400 (98.9380833d) Dec: -00 05 37.37 (-.09371d) Equinox: J2000</td> <td></td> <td>V=15.84 -12.26</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(65)	PN-G211.2-03.5	RA: 06 35 45.1400 (98.9380833d) Dec: -00 05 37.37 (-.09371d) Equinox: J2000		V=15.84 -12.26	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(65)	PN-G211.2-03.5	RA: 06 35 45.1400 (98.9380833d) Dec: -00 05 37.37 (-.09371d) Equinox: J2000		V=15.84 -12.26	Reference Frame: ICRS								
Comments: magnitude uncertainty between 0.1 and 0.25 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(65) PN-G211.2-03.5	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
2	(1007738)	(65) PN-G211.2-03.5	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]	

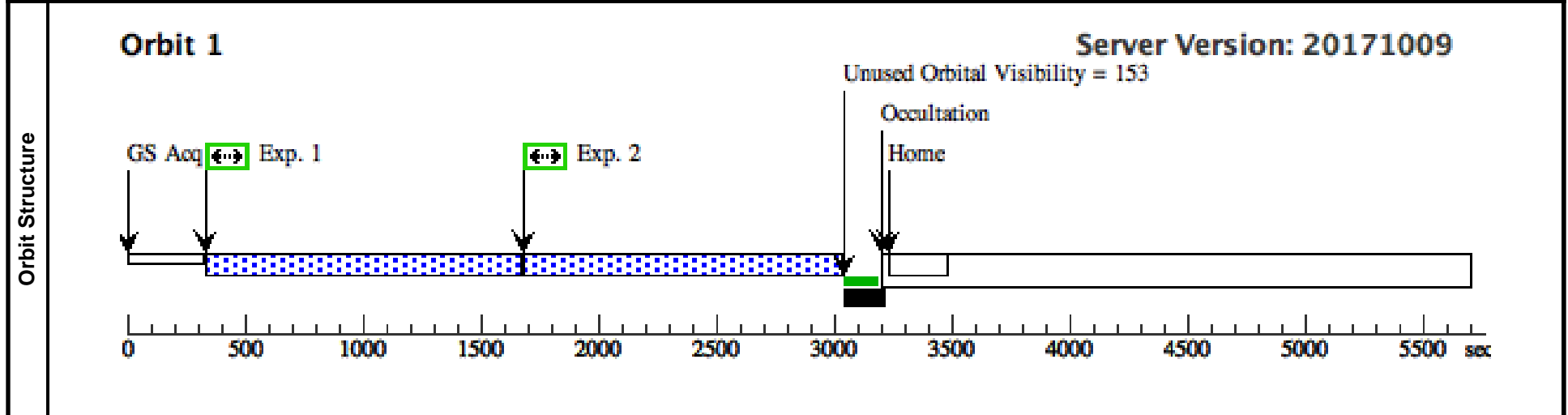


Visit	Proposal 15211, Visit 66, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 66) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 66) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 66) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(66)</td> <td>PN-G212.0+04.3</td> <td>RA: 07 05 19.2040 (106.3300167d) Dec: +02 46 59.16 (2.78310d) Equinox: J2000</td> <td></td> <td>V=15.6 -11.38</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(66)	PN-G212.0+04.3	RA: 07 05 19.2040 (106.3300167d) Dec: +02 46 59.16 (2.78310d) Equinox: J2000		V=15.6 -11.38	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(66)	PN-G212.0+04.3	RA: 07 05 19.2040 (106.3300167d) Dec: +02 46 59.16 (2.78310d) Equinox: J2000		V=15.6 -11.38	Reference Frame: ICRS							
Comments: magnitude uncertainty between 0.25 and 0.5 Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(66) PN-G212.0+04.3	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
									[=>]	[1]
2	(1007738)	(66) PN-G212.0+04.3	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)		
								[=>]	[1]	

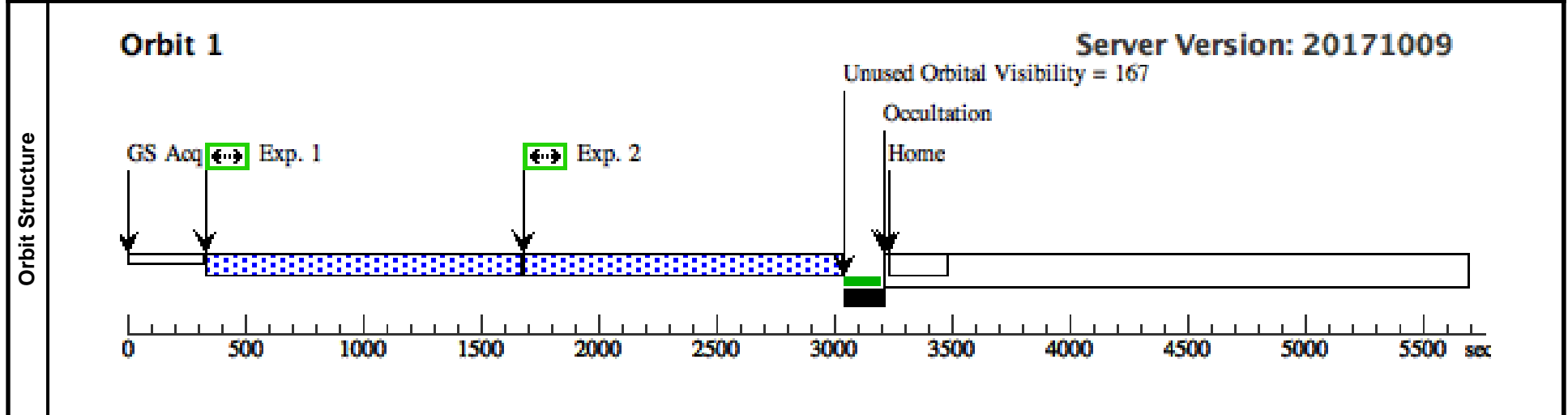


Visit	Proposal 15211, Visit 67, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 67) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 67) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 67) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(67)</td> <td>PN-G232.8-04.7</td> <td>RA: 07 11 16.6930 (107.8195542d) Dec: -19 51 2.87 (-19.85080d) Equinox: J2000</td> <td></td> <td>V=13.95 -12.89</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: magnitude uncertainty less than 0.1</i> Category=ISM Description=[PLANETARY NEBULA]</p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(67)	PN-G232.8-04.7	RA: 07 11 16.6930 (107.8195542d) Dec: -19 51 2.87 (-19.85080d) Equinox: J2000		V=13.95 -12.89	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(67)	PN-G232.8-04.7	RA: 07 11 16.6930 (107.8195542d) Dec: -19 51 2.87 (-19.85080d) Equinox: J2000		V=13.95 -12.89	Reference Frame: ICRS							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(67) PN-G232.8-04.7	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(67) PN-G232.8-04.7	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]

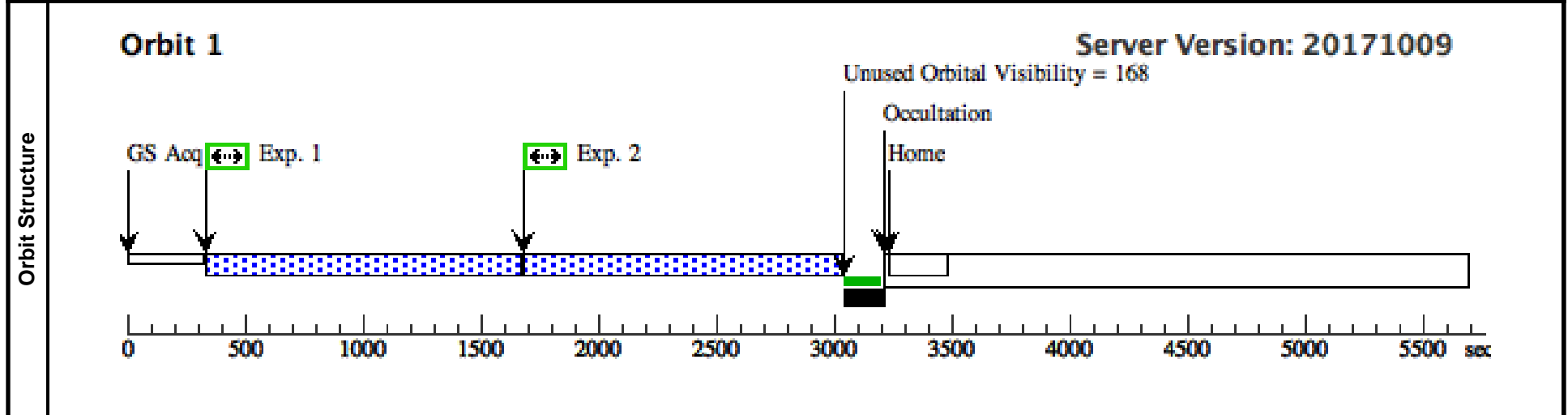


Visit	Proposal 15211, Visit 68, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 68) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 68) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 68) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(68)</td> <td>PN-G235.3-03.9</td> <td>RA: 07 19 21.4710 (109.8394625d) Dec: -21 43 55.46 (-21.73207d) Equinox: J2000</td> <td></td> <td>V=14.18 -12.42</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: magnitude uncertainty between 0.1 and 0.25</i> Category=ISM Description=[PLANETARY NEBULA]</p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(68)	PN-G235.3-03.9	RA: 07 19 21.4710 (109.8394625d) Dec: -21 43 55.46 (-21.73207d) Equinox: J2000		V=14.18 -12.42	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(68)	PN-G235.3-03.9	RA: 07 19 21.4710 (109.8394625d) Dec: -21 43 55.46 (-21.73207d) Equinox: J2000		V=14.18 -12.42	Reference Frame: ICRS							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(68) PN-G235.3-03.9	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]
	2	(1007738)	(68) PN-G235.3-03.9	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	[1]

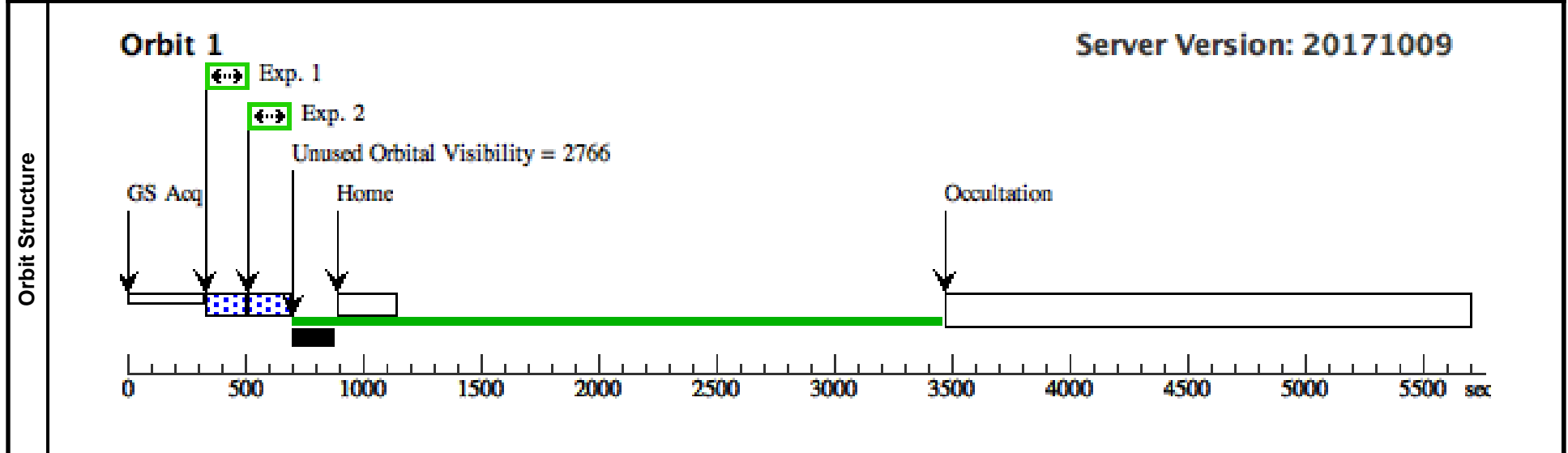


Visit	Proposal 15211, Visit 69, scheduling				
	Diagnostic Status: Warning				
	Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA				
	Special Requirements: (none)				

Diagnostics	(Visit 69) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.				
	(Visit 69) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL				
	(Visit 69) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(69)	PN-G281.0-05.6	RA: 09 38 47.2130 (144.6967208d) Dec: -60 05 30.92 (-60.09192d) Equinox: J2000		V=14.48 -9.746	Reference Frame: ICRS
	<i>Comments: magnitude uncertainty between 0.1 and 0.25 (Shaw & Kaler 1989)</i>					
	<i>Category=ISM</i>					
	<i>Description=[PLANETARY NEBULA]</i>					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(69) PN-G281.0-05.6	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		30 Secs (30 Secs) [=>]	[1]
	2	(1007738)	(69) PN-G281.0-05.6	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		26 Secs (26 Secs) [=>]	[1]

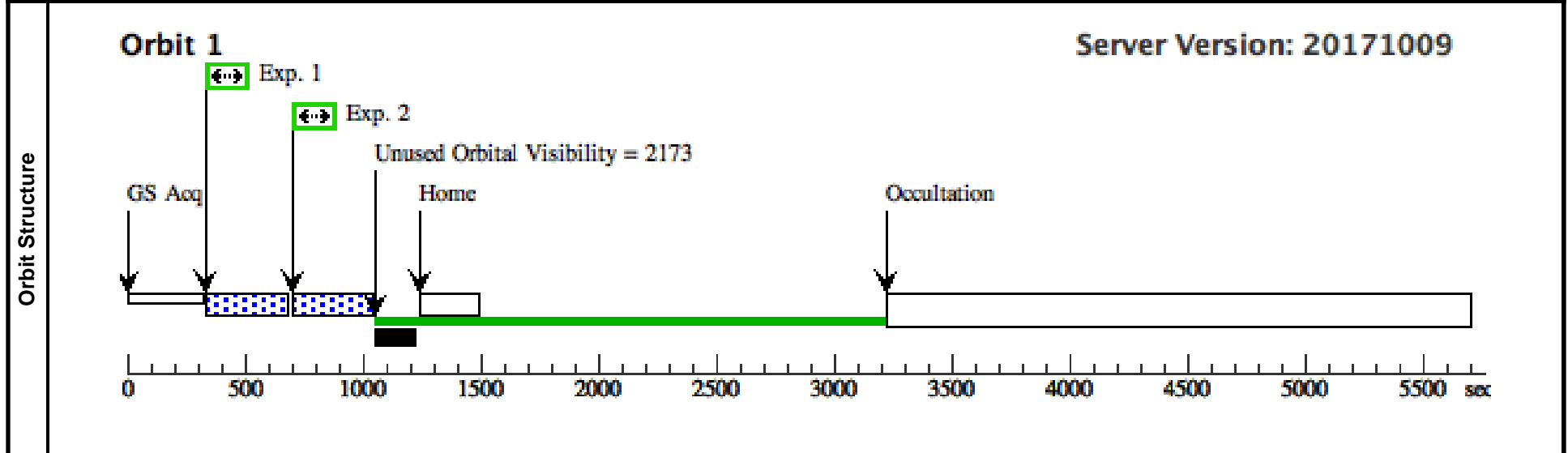


Visit	Proposal 15211, Visit 70, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 70) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 70) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 70) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(70)</td> <td>PN-G004.3-02.6</td> <td>RA: 18 05 57.4040 (271.4891833d) Dec: -26 29 41.50 (-26.49486d) Equinox: J2000</td> <td></td> <td>V=14.11 -11.87</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(70)	PN-G004.3-02.6	RA: 18 05 57.4040 (271.4891833d) Dec: -26 29 41.50 (-26.49486d) Equinox: J2000		V=14.11 -11.87	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(70)	PN-G004.3-02.6	RA: 18 05 57.4040 (271.4891833d) Dec: -26 29 41.50 (-26.49486d) Equinox: J2000		V=14.11 -11.87	Reference Frame: ICRS							
Comments: J magnitude 13.4 (V not available) Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(70) PN-G004.3-02.6	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		218 Secs (218 Secs)	[1]
	2	(1007738)	(70) PN-G004.3-02.6	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		185 Secs (185 Secs)	[1]

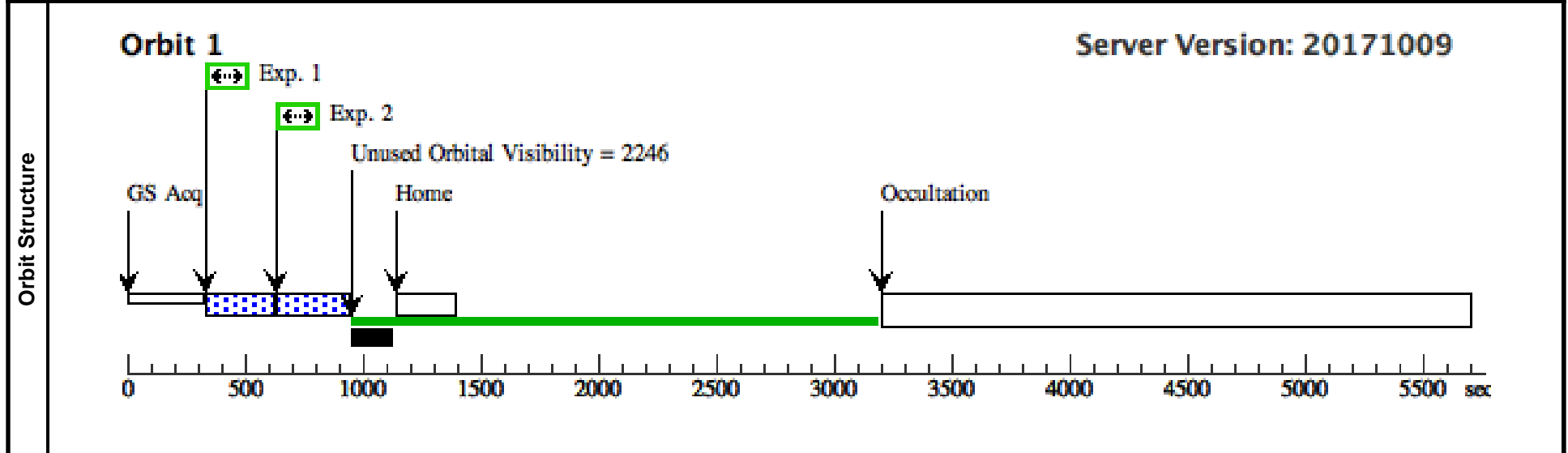


Visit	Proposal 15211, Visit 71, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 71) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 71) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 71) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(71)</td> <td>PN-G038.7-03.3</td> <td>RA: 19 13 53.9610 (288.4748375d) Dec: +03 37 41.90 (3.62831d) Equinox: J2000</td> <td></td> <td>V=13.7 -11.6</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(71)	PN-G038.7-03.3	RA: 19 13 53.9610 (288.4748375d) Dec: +03 37 41.90 (3.62831d) Equinox: J2000		V=13.7 -11.6	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(71)	PN-G038.7-03.3	RA: 19 13 53.9610 (288.4748375d) Dec: +03 37 41.90 (3.62831d) Equinox: J2000		V=13.7 -11.6	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(71) PN-G038.7-03.3	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		152 Secs (152 Secs)	[1]
	2	(1007738)	(71) PN-G038.7-03.3	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		155 Secs (155 Secs)	[1]

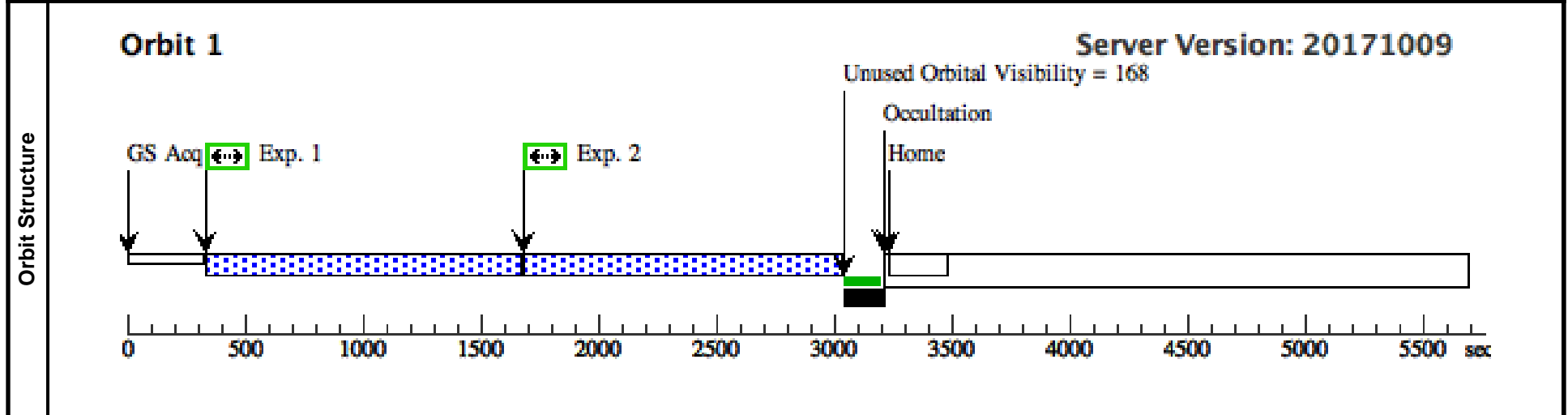


Visit	Proposal 15211, Visit 72, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 72) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 72) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 72) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(72)</td> <td>PN-G059.4+02.3</td> <td>RA: 19 33 46.7490 (293.4447875d) Dec: +24 32 27.09 (24.54086d) Equinox: J2000</td> <td></td> <td>V=17.8 -11.95</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: B magnitude 17.8 (V not available)</i> Category=ISM Description=[PLANETARY NEBULA]</p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(72)	PN-G059.4+02.3	RA: 19 33 46.7490 (293.4447875d) Dec: +24 32 27.09 (24.54086d) Equinox: J2000		V=17.8 -11.95	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(72)	PN-G059.4+02.3	RA: 19 33 46.7490 (293.4447875d) Dec: +24 32 27.09 (24.54086d) Equinox: J2000		V=17.8 -11.95	Reference Frame: ICRS							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(72) PN-G059.4+02.3	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
			3						[=>]	[1]
2	(1007738)	(72) PN-G059.4+02.3	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)		
		3						[=>]	[1]	

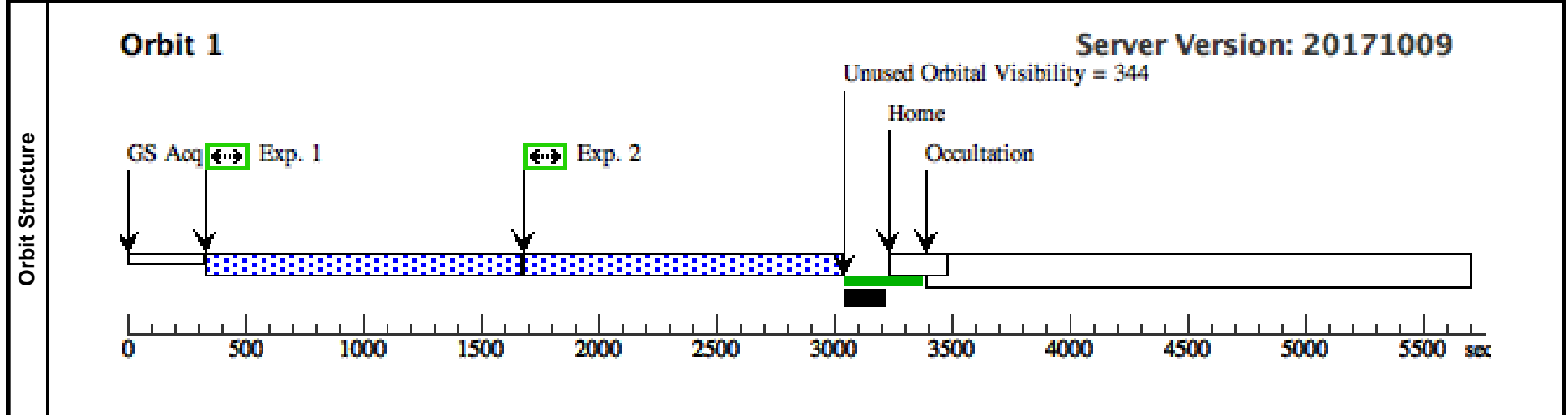


Visit	Proposal 15211, Visit 73, implementation Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 73) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 73) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 73) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(73)</td> <td>PN-G324.2+02.5</td> <td>RA: 15 23 36.3260 (230.9013583d) Dec: -53 51 27.95 (-53.85776d) Equinox: J2000</td> <td></td> <td>V=15 -11.6</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(73)	PN-G324.2+02.5	RA: 15 23 36.3260 (230.9013583d) Dec: -53 51 27.95 (-53.85776d) Equinox: J2000		V=15 -11.6	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
	(73)	PN-G324.2+02.5	RA: 15 23 36.3260 (230.9013583d) Dec: -53 51 27.95 (-53.85776d) Equinox: J2000		V=15 -11.6	Reference Frame: ICRS							
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(73) PN-G324.2+02.5	STIS/FUV-MAMA, ACCUM, 6X6	G140L	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)	
			5		1425 A				[==>]	[1]
2	(1007738)	(73) PN-G324.2+02.5	STIS/NUV-MAMA, ACCUM, 6X6	G230L	WAVECAL=NO	POS TARG 0,0		1200 Secs (1200 Secs)		
		5		2376 A				[==>]	[1]	



Visit	Proposal 15211, Visit 74, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)									
	(Visit 74) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS. (Visit 74) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL (Visit 74) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(74)	PN-G355.2-02.5	RA: 17 44 13.8190 (266.0575792d) Dec: -34 17 33.05 (-34.29251d) Equinox: J2000		V=15.53 -11.33	Reference Frame: ICRS				
Comments: Category=ISM Description=[PLANETARY NEBULA]										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(74) PN-G355.2-02.5	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0		496 Secs (496 Secs)	
									[==>]	[1]
	2	(1007738)	(74) PN-G355.2-02.5	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0		512 Secs (512 Secs)	
								[==>]	[1]	
Orbit Structure	<p>Orbit 1 Server Version: 20171009</p> <p>Unused Orbital Visibility = 1583</p> <p>The diagram shows a horizontal timeline from 0 to 5500 seconds. At 0s, 'GS Acq' is marked. A blue checkered bar spans from approximately 350s to 1800s, containing 'Exp. 1' and 'Exp. 2'. A green bar spans from approximately 1800s to 3300s, containing 'Home'. An 'Occultation' event is marked at approximately 3300s. A black bar is shown at the bottom between 1800s and 3300s. The text 'Unused Orbital Visibility = 1583' is positioned above the green bar.</p>									
	<p>Timeline labels: GS Acq, Exp. 1, Exp. 2, Home, Occultation</p> <p>Timeline axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>									

Visit	Proposal 15211, Visit 75, scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/FUV-MAMA Special Requirements: (none)
--------------	--

Diagnostics	(Visit 75) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
	(Visit 75) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL
	(Visit 75) Warning (Orbit Planner): STIS SCIENCE TOO FAR FROM WAVECAL

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(75)</td> <td>PN-G356.2-04.4</td> <td>RA: 17 54 32.9780 (268.6374083d) Dec: -34 22 20.84 (-34.37246d) Equinox: J2000</td> <td></td> <td>V=14 -10.91</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(75)	PN-G356.2-04.4	RA: 17 54 32.9780 (268.6374083d) Dec: -34 22 20.84 (-34.37246d) Equinox: J2000		V=14 -10.91	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(75)	PN-G356.2-04.4	RA: 17 54 32.9780 (268.6374083d) Dec: -34 22 20.84 (-34.37246d) Equinox: J2000		V=14 -10.91	Reference Frame: ICRS								
Comments: Category=ISM Description=[PLANETARY NEBULA]													

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1007072)	(75) PN-G356.2-04.4	STIS/FUV-MAMA, ACCUM, 6X6	G140L 1425 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]
2	(1007738)	(75) PN-G356.2-04.4	STIS/NUV-MAMA, ACCUM, 6X6	G230L 2376 A	WAVECAL=NO	POS TARG 0,0			1200 Secs (1200 Secs) [=>]	[1]

