



16659 - Accreting white dwarfs as probes of compact binary evolution

Cycle: 29, Proposal Category: GO

(UV Initiative, Treasury)

(Availability Mode: AVAILABLE)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Anna Francesca Pala (PI) (ESA Member) (Contact)	ESA, European Space Astronomy Centre
Prof. Thomas Kupfer (CoI) (ESA Member) (CoPI) (AdminUSPI) (Contact)	University of Hamburg
Prof. Scott F. Anderson (CoI)	University of Washington
Dr. Elme Breedt (CoI) (ESA Member)	University of Cambridge
Dr. Domitilla De Martino (CoI) (ESA Member)	Osservatorio Astronomico di Capodimonte (OAC)
Dr. Alessandro Ederoclite (CoI) (ESA Member)	Centro de Estudios de Fisica del Cosmos de Aragon
Dr. Patrick Godon (CoI)	Villanova University
Mr. Matthew Green (CoI) (ESA Member)	University of Warwick
Prof. Paul J. Groot (CoI) (ESA Member)	Radboud University Nijmegen
Prof. Daryl Haggard (CoI) (CSA Member)	McGill University
Dr. Stella Kafka (CoI)	American Association Of Variable Star Observers
Prof. Christian Knigge (CoI) (ESA Member)	University of Southampton
Prof. Tom R. Marsh (CoI) (ESA Member)	University of Warwick
Dr. Elena Mason (CoI) (ESA Member)	INAF - Osservatorio Astronomico di Trieste
Prof. Gijs Nelemans (CoI) (ESA Member)	Radboud University Nijmegen
Prof. Rosa Poggiani (CoI) (ESA Member)	Universita di Pisa
Dr. Gavin Ramsay (CoI) (ESA Member)	Armagh Observatory and Planetarium
Dr. Pablo Rodriguez-Gil (CoI) (ESA Member)	Instituto de Astrofisica de Canarias
Dr. Linda Schmidtbreick (CoI) (ESA Member)	European Southern Observatory - Chile
Prof. Matthias R. Schreiber (CoI)	Universidad Tecnica Federico Santa Maria

Name	Institution
Prof. Edward M. Sion (CoI)	Villanova University
Prof. Danny Steeghs (CoI) (ESA Member)	University of Warwick
Prof. Paula Szkody (CoI)	University of Washington
Dr. Odette Fabiola Toloza Castillo (CoI)	Universidad Tecnica Federico Santa Maria
Dr. Gagik Tovmasian (CoI)	National Autonomous University of Mexico
Dr. Dean Townsley (CoI)	University of Alabama
Dr. Patrick Woudt (CoI)	University of Cape Town
Dr. Jan van Roestel (CoI)	California Institute of Technology
Prof. Boris T. Gaensicke (CoI) (ESA Member)	University of Warwick
Dr. Knox S. Long (CoI)	Eureka Scientific Inc.

VISITS

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
05	(5) V-V704-AND	COS/FUV	2	04-Apr-2025 12:00:49.0	yes
0K	(79) V-V704-AND-SAFE-TARGET	S/C	1	04-Apr-2025 12:00:49.0	yes
10	(10) V-V1239-HER	COS/FUV COS/NUV	3	04-Apr-2025 12:00:49.0	yes
1A	(10) V-V1239-HER	S/C	1	04-Apr-2025 12:00:50.0	yes
1B	(78) V-V1239-HER-SAFE-TARGET	COS/FUV COS/NUV	3	04-Apr-2025 12:00:50.0	yes
11	(11) V-BF-ERI	COS/FUV	3	04-Apr-2025 12:00:51.0	yes
1C	(11) V-BF-ERI	S/C	1	04-Apr-2025 12:00:51.0	yes
1D	(97) V-BF-ERI-SAFE-TARGET	COS/FUV	3	04-Apr-2025 12:00:52.0	yes
12	(12) V-EI-PSC	COS/FUV COS/NUV	3	04-Apr-2025 12:00:52.0	yes
13	(13) V-CS-IND	COS/FUV	3	04-Apr-2025 12:00:53.0	yes
1G	(13) V-CS-IND	S/C	1	04-Apr-2025 12:00:53.0	yes
1H	(105) V-CS-IND-SAFE-TARGET	COS/FUV	3	04-Apr-2025 12:00:54.0	yes

Proposal 16659 (STScI Edit Number: 102, Created: Friday, April 4, 2025, 11:01:41AM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
14	(14) CRTS-J061753.9-362655	COS/FUV COS/NUV	3	04-Apr-2025 12:00:55.0	yes
1I	(14) CRTS-J061753.9-362655	S/C	1	04-Apr-2025 12:00:55.0	yes
1J	(90) CRTS-J061753.9-362655-SAFE-TGT	COS/FUV COS/NUV	3	04-Apr-2025 12:00:55.0	yes
15	(15) V-KZ-GEM	COS/FUV	4	04-Apr-2025 12:00:56.0	yes
1K	(15) V-KZ-GEM	S/C	1	04-Apr-2025 12:00:56.0	yes
1L	(108) V-KZ-GEM-SAFE-TARGET	COS/FUV	4	04-Apr-2025 12:00:56.0	yes
16	(16) V-TW-VUL	COS/FUV	2	04-Apr-2025 12:00:57.0	yes
1M	(16) V-TW-VUL	S/C	1	04-Apr-2025 12:00:57.0	yes
1N	(104) V-TW-VUL-SAFE-TARGET	COS/FUV	2	04-Apr-2025 12:00:58.0	yes
17	(17) V-UU-AQL	COS/FUV	2	04-Apr-2025 12:00:58.0	yes
1O	(17) V-UU-AQL	S/C	1	04-Apr-2025 12:00:58.0	yes
1P	(84) V-UU-AQL-SAFE-TARGET	COS/FUV	2	04-Apr-2025 12:00:59.0	yes
18	(18) SDSS-J204448.92-045928.8	COS/FUV COS/NUV	4	04-Apr-2025 12:00:59.0	yes
1Q	(18) SDSS-J204448.92-045928.8	S/C	1	04-Apr-2025 12:01:00.0	yes
1R	(83) SDSS-J204448.92-SAFE-TARGET	COS/FUV COS/NUV	4	04-Apr-2025 12:01:00.0	yes
19	(19) SDSS-J080846.19+313106.0	COS/FUV COS/NUV	4	04-Apr-2025 12:01:01.0	yes
1S	(19) SDSS-J080846.19+313106.0	S/C	1	04-Apr-2025 12:01:01.0	yes
1T	(101) SDSS-J080846.19+31-SAFE-TARGET	COS/FUV COS/NUV	4	04-Apr-2025 12:01:02.0	yes
20	(20) V-LL-LYR	COS/FUV	3	04-Apr-2025 12:01:03.0	yes
21	(21) V-PQ-AQL	COS/FUV	2	04-Apr-2025 12:01:03.0	yes

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Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
23	(23) SDSS-J161909.10+135145.5	COS/FUV COS/NUV	4	04-Apr-2025 12:01:04.0	yes
2G	(23) SDSS-J161909.10+135145.5	S/C	1	04-Apr-2025 12:01:04.0	yes
2H	(91) SDSS-J161909.10+135145-SAFE-TGT	COS/FUV COS/NUV	4	04-Apr-2025 12:01:05.0	yes
24	(24) V-RY-SER	COS/FUV	2	04-Apr-2025 12:01:05.0	yes
2I	(24) V-RY-SER	S/C	1	04-Apr-2025 12:01:05.0	yes
2J	(82) V-RY-SER-SAFE-TARGET	COS/FUV	2	04-Apr-2025 12:01:06.0	yes
25	(25) V-CH-UMA	COS/FUV	2	04-Apr-2025 12:01:06.0	yes
2K	(25) V-CH-UMA	S/C	1	04-Apr-2025 12:01:07.0	yes
2L	(75) V-CH-UMA-SAFE-TARGET	COS/FUV	2	04-Apr-2025 12:01:07.0	yes
26	(26) V-V584-LYR	COS/FUV COS/NUV	3	04-Apr-2025 12:01:07.0	yes
2M	(26) V-V584-LYR	S/C	1	04-Apr-2025 12:01:08.0	yes
2N	(96) V-V584-LYR-SAFE-TARGET	COS/FUV COS/NUV	3	04-Apr-2025 12:01:09.0	yes
27	(27) V-V1082-SGR	COS/FUV COS/NUV	4	04-Apr-2025 12:01:09.0	yes
2O	(27) V-V1082-SGR	S/C	1	04-Apr-2025 12:01:10.0	yes
2P	(95) V-V1082-SGR-SAFE-TARGET	COS/FUV COS/NUV	4	04-Apr-2025 12:01:10.0	yes
28	(28) V-V479-AND	COS/FUV COS/NUV	4	04-Apr-2025 12:01:11.0	yes
2Q	(28) V-V479-AND	S/C	1	04-Apr-2025 12:01:11.0	yes
2R	(87) V-V479-SAFE-TARGET	COS/FUV COS/NUV	4	04-Apr-2025 12:01:11.0	yes
29	(29) V-ES-CET	COS/FUV	2	04-Apr-2025 12:01:12.0	yes

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Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
2S	(29) V-ES-CET	S/C	1	04-Apr-2025 12:01:12.0	yes
2T	(106) V-ES-CET-SAFE-TARGET	COS/FUV	2	04-Apr-2025 12:01:13.0	yes
30	(30) SDSS-J135154.46-064309.0	COS/FUV	3	04-Apr-2025 12:01:14.0	yes
31	(31) KIC-4547333	COS/FUV COS/NUV	3	04-Apr-2025 12:01:15.0	yes
32	(32) V-HP-LIB	STIS/CCD STIS/FUV-MAMA	2	04-Apr-2025 12:01:15.0	yes
3E	(32) V-HP-LIB	S/C	1	04-Apr-2025 12:01:16.0	yes
3F	(94) V-HP-LIB-SAFE-TARGET	STIS/CCD STIS/FUV-MAMA	2	04-Apr-2025 12:01:16.0	yes
33	(33) V-GP-COM	COS/FUV	2	04-Apr-2025 12:01:17.0	yes
3G	(33) V-GP-COM	S/C	1	04-Apr-2025 12:01:17.0	yes
3H	(81) V-GP-COM-SAFE-TARGET	COS/FUV	2	04-Apr-2025 12:01:18.0	yes
83	(93) V-GP-COM-2	COS/FUV	2	04-Apr-2025 12:01:18.0	yes
8G	(93) V-GP-COM-2	S/C	1	04-Apr-2025 12:01:19.0	yes
8H	(92) V-GP-COM-SAFE-TARGET-2	COS/FUV	2	04-Apr-2025 12:01:19.0	yes
34	(34) V-V803-CEN	COS/FUV	2	04-Apr-2025 12:01:20.0	yes
35	(35) V-YZ-LMI	COS/FUV COS/NUV	4	04-Apr-2025 12:01:21.0	yes
3K	(76) V-YZ-LMI-SAFE-TARGET	S/C	1	04-Apr-2025 12:01:21.0	yes
3L	(76) V-YZ-LMI-SAFE-TARGET	COS/FUV COS/NUV	4	04-Apr-2025 12:01:22.0	yes
36	(36) ZTFJ040749.30-000716.67	COS/FUV COS/NUV	5	04-Apr-2025 12:01:23.0	yes
3M	(36) ZTFJ040749.30-000716.67	S/C	1	04-Apr-2025 12:01:23.0	yes
3N	(88) ZTFJ040749.30-00071-SAFE-TARGET	COS/FUV COS/NUV	5	04-Apr-2025 12:01:24.0	yes

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Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
86	(36) ZTFJ040749.30-000716.67	COS/FUV COS/NUV	3	04-Apr-2025 12:01:24.0	yes
8M	(36) ZTFJ040749.30-000716.67	S/C	1	04-Apr-2025 12:01:25.0	yes
8N	(98) ZTFJ040749.30-SAFE-TARGET-2	COS/FUV COS/NUV	3	04-Apr-2025 12:01:25.0	yes
37	(37) ASASSN-14MV	COS/FUV	3	04-Apr-2025 12:01:26.0	yes
3O	(37) ASASSN-14MV	S/C	1	04-Apr-2025 12:01:26.0	yes
3P	(80) ASASSN-14MV-SAFE-TARGET	COS/FUV	3	04-Apr-2025 12:01:27.0	yes
38	(38) SDSS-J152509.57+360054.5	COS/FUV COS/NUV	5	04-Apr-2025 12:01:28.0	yes
39	(39) SDSS-J080449.49+161624.8	COS/FUV	3	04-Apr-2025 12:01:30.0	yes
3S	(39) SDSS-J080449.49+161624.8	S/C	1	04-Apr-2025 12:01:30.0	yes
3T	(89) SDSS-J080449.49+161-SAFE-TARGET	COS/FUV	3	04-Apr-2025 12:01:31.0	yes
89	(39) SDSS-J080449.49+161624.8	COS/FUV COS/NUV	2	04-Apr-2025 12:01:31.0	yes
8S	(39) SDSS-J080449.49+161624.8	S/C	1	04-Apr-2025 12:01:32.0	yes
8T	(99) SDSS-J080449.49+1-SAFE-TARGET-2	COS/FUV COS/NUV	2	04-Apr-2025 12:01:32.0	yes
40	(40) ASASSN-14CN	COS/FUV COS/NUV	6	04-Apr-2025 12:01:33.0	yes
4A	(40) ASASSN-14CN	S/C	1	04-Apr-2025 12:01:33.0	yes
4B	(85) ASASSN-14CN-SAFE-TARGET	COS/FUV COS/NUV	6	04-Apr-2025 12:01:34.0	yes
41	(41) ZTF-J2252-0519	COS/FUV COS/NUV	5	04-Apr-2025 12:01:35.0	yes
4C	(41) ZTF-J2252-0519	S/C	1	04-Apr-2025 12:01:35.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
4D	(86) ZTF-J2252-0519-SAFE-TARGET	COS/FUV COS/NUV	5	04-Apr-2025 12:01:35.0	yes
42	(42) GALEX-J113315.3-371019	COS/FUV	3	04-Apr-2025 12:01:36.0	yes
4E	(42) GALEX-J113315.3-371019	S/C	1	04-Apr-2025 12:01:36.0	yes
4F	(102) GALEX-J113315.3-371-SAFE-TARGET	COS/FUV	3	04-Apr-2025 12:01:37.0	yes
43	(43) WD-J104019.50-495129.7	COS/FUV COS/NUV	3	04-Apr-2025 12:01:37.0	yes
61	(11) V-BF-ERI	COS/FUV	3	04-Apr-2025 12:01:38.0	yes
6C	(11) V-BF-ERI	S/C	1	04-Apr-2025 12:01:38.0	yes
6D	(107) V-BF-ERI-SAFE-TARGET-2	COS/FUV	3	04-Apr-2025 12:01:39.0	yes
82	(32) V-HP-LIB	STIS/CCD STIS/FUV-MAMA	2	04-Apr-2025 12:01:40.0	yes

242 Total Orbits Used

ABSTRACT

In the last 20 years, the study of compact interacting binaries has led to two major breakthroughs in astrophysics: the discovery of dark energy and the first detection of gravitational waves. Although binaries are critically important to probe the properties of the Universe and to test fundamental physical theories, our understanding of their evolution and final fate is still far from being complete.

Accreting white dwarfs are ideal laboratories in which to test the models of compact binary evolution. We here propose a COS Treasury program specifically designed to explore those regions of the parameter space that have been previously poorly studied and where major discrepancies between the theory and observations are found. Combining the high-quality ultraviolet data with the parallaxes from Gaia, we will accurately measure effective temperatures, masses and accretion rates for 43 accreting white dwarfs (the minimum number required to homogeneously sample the entire physical parameter space spanned by this diverse population) thereby testing the mechanisms of angular momentum loss which drive the evolution of all kinds of binaries. The white dwarf masses are a key ingredient in the pathway toward Supernova Type Ia explosions and by obtaining their accurate values, we will constrain both the single and the double-detonation scenarios. Finally, only the ultraviolet allows the detection of the nitrogen and carbon resonance lines. From their abundances, we will establish the formation channel for the most compact systems, which will later be used to verify the performance of the space-mission LISA and calibrate the detector for future gravitational wave source discoveries.

OBSERVING DESCRIPTION

The aim of this program is to obtain far-ultraviolet COS/G140L and STIS/E140M spectroscopy of 43 accreting white dwarfs (WDs). While past HST observations have studied in detail systems in the range $70 \text{ min} < P_{\text{orb}} < 150 \text{ min}$, very few observations have been obtained of long- ($P_{\text{orb}} > 150 \text{ min}$) and short- ($P_{\text{orb}} < 60 \text{ min}$) period accreting WDs, which are therefore the targets of this proposal. We have screened the literature for systems that are bright enough to be observed in 3-5 HST orbits each. The set of targets was chosen to ensure a homogeneous sampling across the P_{orb} range and to maximise the chances of detecting the white dwarf in the UV, and avoiding frequently outbursting systems.

The actual observations are relatively straight-forward: target acquisition, depending on the target brightness, will be done with NUV imaging, or in dispersed light using the G140L grating. The coordinates and proper motions are drawn from Gaia EDR3, hence we do not precede the observations with a search pattern. Depending on the target brightness, the COS G140L spectroscopy will extend over 2, 3, 4, 5 or 6 orbits. We will make use of all 4 FP-POS positions.

Our targets can be divided in two sub-classes according to their observational properties:

- 1) Dwarf novae: systems characterised by quiescent states of low-mass transfer rates onto the WD, interrupted by bright disc outbursts, during which the binary typically brightens by 2-5 magnitudes. In order to ensure that HST spectroscopy is obtained during quiescence, when the WD is the dominant emission source and safe to be observed, we will obtain intensive continuous ground-based monitoring up until 24 h prior to the HST observations.
- 2) Nova-likes: systems in the period range $180 \text{ min} < P_{\text{orb}} < 240 \text{ min}$ are typically characterised by high average accretion rates which keep the disc in a stable hot state, equivalent to a permanent outburst. Occasionally the accretion rate drastically drops ("low state"), unveiling the WD. Our sample contains nine systems falling in this category. We will photometrically monitor them from the ground and the HST observations will be triggered via a non-disruptive ToO only once a low state is detected. We expect to detect ~ 3 systems in low state per year and the observations of these targets will be carried out over the over the next three cycles, in order to observe nine of these systems by the end of the program.

Several of the targets are eclipsing (GS Pav, V1239 Her, 2MASS J15445360+2553488, YZ LMi, ZTFJ040749.30-000716.67, ASASSN-14cn, ZTF-J2252-0519). We have included their ephemeris in order for the target acquisition to be scheduled such that it avoids the eclipse (in a similar strategy as that of HST program 12870).

Impact of reduced-gyro operations:

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For the dwarf nova targets, we do not expect major impacts on our program in case of reduced-gyro operations. Prolonged acquisition procedures will not significantly affect the SNR we can achieve, while a possible extension of our program into the next cycle will not preclude our science goals, nor affect in any way the feasibility of our observations.

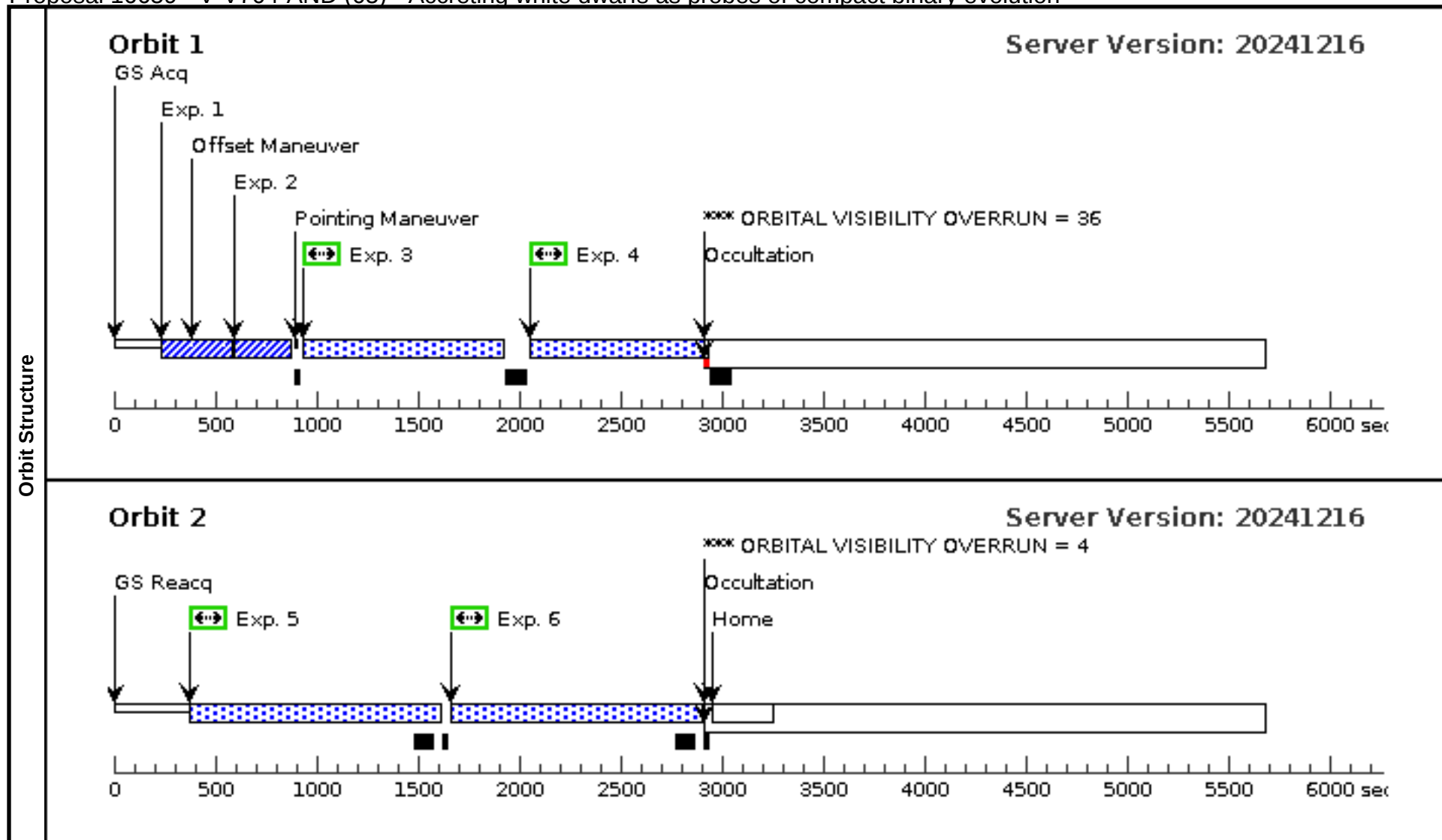
Instead, with time critical observations becoming much more difficult to schedule, reduced-gyro operations could potentially affect the observations of the nova-like targets, for which long-term non-disruptive ToOs are necessary. The additional nova-likes targets we have include can possibility mitigate the limitations related to reduced-gyro operations by offering (i) alternative pointings that can compensate for the limited sky accessibility, (ii) alternative observing windows that could be more easily included in the schedule.

Proposal 16659 - V-V704-AND (05) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-V704-AND (05), completed Fri Apr 04 16:01:41 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 210D TO 30 D; AFTER 0K BY 1 D TO 7 D; ON HOLD ; TOO RESPONSE TIME 21.0D Comments: <i>This should be scheduled in the evening local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution.</i> On Hold Comments: <i>LONG-TERM TOO</i> <i>This is one of the targets in which the white dwarf is visible only during a low state. We will trigger the ToO when the occurrence of a low state is detected by our ground-based monitoring.</i>					
Diagnostics	(V-V704-AND (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-V704-AND (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	V-V704-AND	RA: 23 44 57.5407 (356.2397529d) Dec: +43 31 22.32 (43.52287d) Equinox: J2000	Proper Motion RA: 20.215019698909654 mas/yr Proper Motion Dec: 3.5853450731103824 mas/yr Parallax: 0.0024320331194997704" Epoch of Position: 2016.0	V=13.3 NUV=13.9, Gaia EDR3 1925516856226108416, G=17.6, parallax = 2.43(4) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE, NOVA-LIKE] Extended=NO					

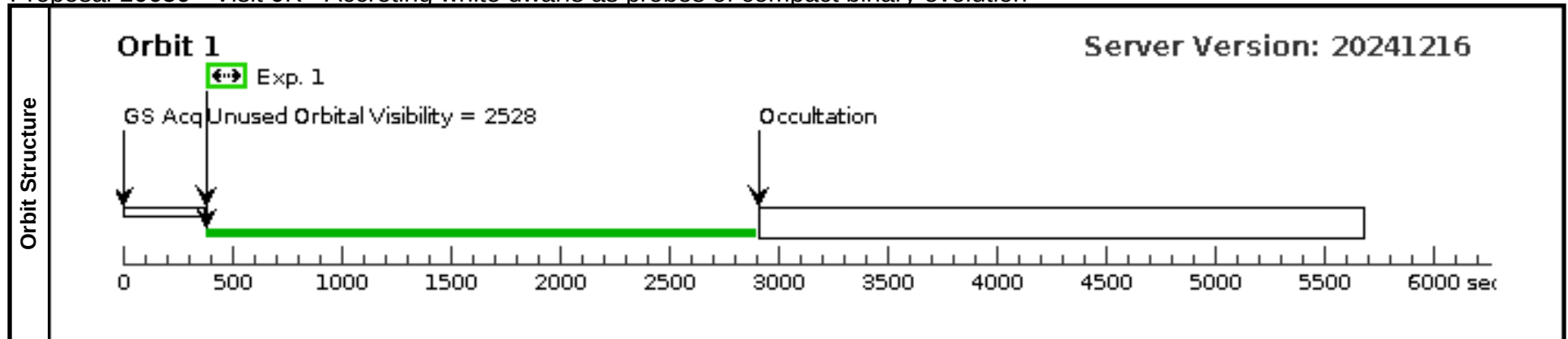
Proposal 16659 - V-V704-AND (05) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1527573)	(5) V-V704-AND	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V05S AF		27 Secs (27 Secs) [==>]	[1]
	Comments: I ran a WD spectrum with $T_{\text{eff}}=50000\text{K}$, scaled at the distance to the system, through the ETC. The exposure time allows for the system fading another factor two.									
	2	ACQ/PEAK D (1527573)	(5) V-V704-AND	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V05S AF		27 Secs (27 Secs) [==>]	[1]
	Comments: I ran a WD spectrum with $T_{\text{eff}}=50000\text{K}$, scaled at the distance to the system, through the ETC. The exposure time allows for the system fading another factor two.									
	3	FP-POS=1 (1527578)	(5) V-V704-AND	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=83 2; LIFETIME-POS=L P3	USE OFFSET V05S AF		832 Secs (832 Secs) [==>]	[1]
	4	FP-POS=2 (1527578)	(5) V-V704-AND	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=83 2; LIFETIME-POS=L P3	USE OFFSET V05S AF		832 Secs (832 Secs) [==>]	[1]
	5	FP-POS=3 (1527578)	(5) V-V704-AND	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=10 74; LIFETIME-POS=L P3	USE OFFSET V05S AF		1184 Secs (1184 Secs) [==>]	[2]
	6	FP-POS=4 (1527578)	(5) V-V704-AND	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=10 74; LIFETIME-POS=L P3	USE OFFSET V05S AF		1184 Secs (1184 Secs) [==>]	[2]



Proposal 16659 - Visit 0K - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, Visit 0K, completed						Fri Apr 04 16:01:41 GMT 2025			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: S/C									
	Special Requirements: SCHED 100%; ORIENT 210D TO 30 D									
Comments: This visit allocates and sets up the safe position offset slot for visit 05 which will use that slot. This S/C visit should go earlier in the week while visit 05 will be at least 3 days later.* The S/C visit will contain only 1 exposure										
*Due to an increase in Covid-19 cases the FOT will only be on site on Tuesdays. This means the science visit will execute on a Tuesday evening and the 3 day default separation will be reduced to 1 day. The S/C visit will execute on the monday preceding the science visit.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	V-V704-AND	RA: 23 44 57.5407 (356.2397529d) Dec: +43 31 22.32 (43.52287d) Equinox: J2000	Proper Motion RA: 20.215019698909654 mas/yr Proper Motion Dec: 3.5853450731103824 mas/yr Parallax: 0.0024320331194997704" Epoch of Position: 2016.0	V=13.3 NUV=13.9, Gaia EDR3 1925516856226108 416, G=17.6, parallax = 2.43(4) mas.	Reference Frame: ICRS				
	Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE, NOVA-LIKE] Extended=NO									
	(79)	V-V704-AND-SAFE-TARGET	Offset from V-V704-AND RA Offset: -0.15 Secs Dec Offset: 9.6 Arcsec		V=13.3	Offset Position (V-V704-AND-SAFE-TARGET)				
Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.748 arcseconds away at a PA 350.0 degrees from V-V704-AND Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(79) V-V704-AND-S AFE-TARGET	S/C, DATA, V1			POS TARG 229.132 8,-241.0575; SAVE OFFSET V05 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGL E 350; QESIPARM DIST 9.748		5 Secs (5 Secs) [==>]	[1]



Proposal 16659 - V-V1239-HER (10) - Accreting white dwarfs as probes of compact binary evolution

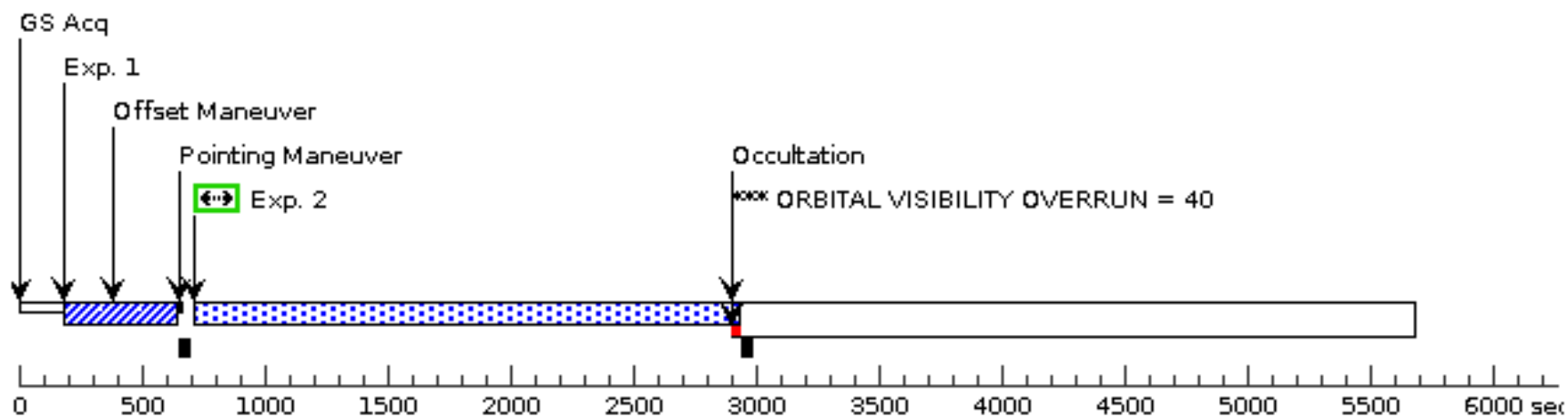
Visit	Proposal 16659, V-V1239-HER (10), completed Fri Apr 04 16:01:41 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 250D TO 115 D; AFTER 1A BY 1 D TO 7 D; BETWEEN 07-FEB-2022:00:00:00 AND 28-FEB-2022:00:00:00 Comments: <i>This system is eclipsing.</i> <i>This should be scheduled in the evening local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution.</i>					
Diagnostics	(V-V1239-HER (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-V1239-HER (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-V1239-HER (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	V-V1239-HER	RA: 17 02 13.2728 (255.5553033d) Dec: +32 29 53.87 (32.49830d) Equinox: J2000	Proper Motion RA: 20.968636015754818 mas/yr Proper Motion Dec: -18.372219578747476 mas/yr Parallax: 0.0033063871181721774" Epoch of Position: 2016.0	V=17.7 FUV=19.1, NUV=19.02, Gaia EDR3 1313538545446290688, G=17.9, parallax=3.31(8) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-V1239-HER (10) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1530343)	(10) V-V1239-HER	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V10S AF		84 Secs (84 Secs) [==>]	[1]
	Comments: Compute assuming a WD spectrum with Teff=17000K, scaled to NUV=19 (as measured from Galex photometry in quiescence). The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector).									
	2	FP-POS=1 (1530102)	(10) V-V1239-HER	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=83 60; LIFETIME-POS=L P3	USE OFFSET V10S AF		2016 Secs (2016 Secs) [==>]	[1]
	3	FP-POS=2 (1530102)	(10) V-V1239-HER	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=83 60; LIFETIME-POS=L P3	USE OFFSET V10S AF		1178 Secs (1178 Secs) [==>]	[2]
	4	FP-POS=3 (1530102)	(10) V-V1239-HER	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=83 60; LIFETIME-POS=L P3	USE OFFSET V10S AF		1178 Secs (1178 Secs) [==>]	[2]
	5	FP-POS=4 (1530102)	(10) V-V1239-HER	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=83 60; LIFETIME-POS=L P3	USE OFFSET V10S AF		2471 Secs (2471 Secs) [==>]	[3]

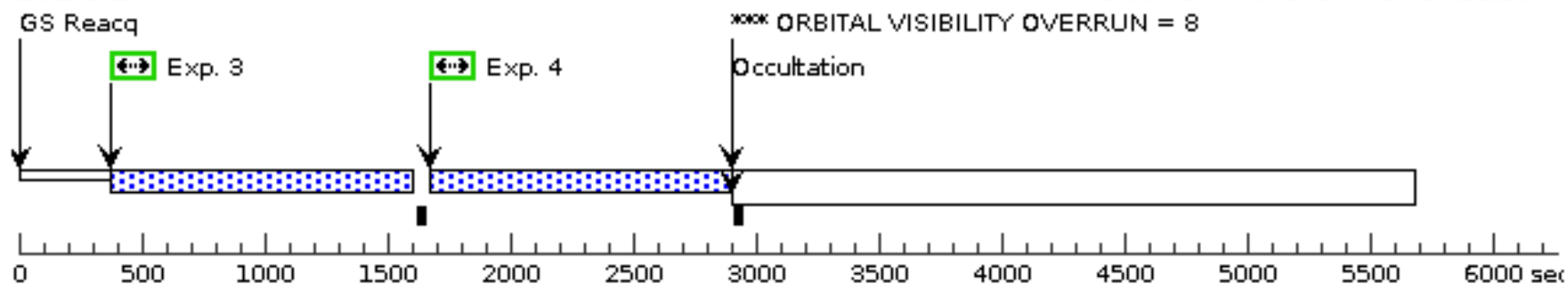
Orbit 1

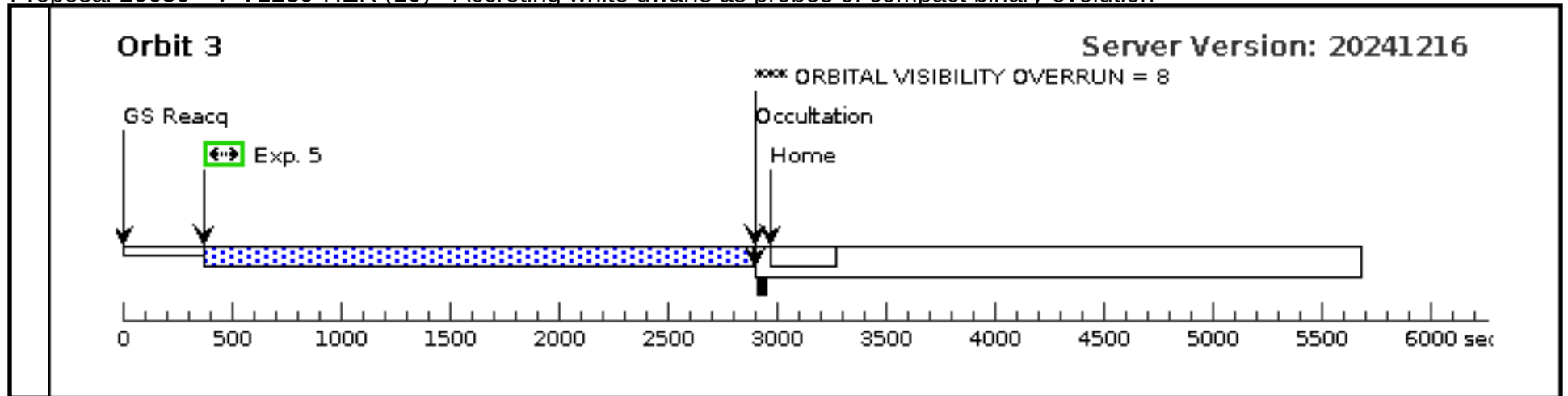
Server Version: 20241216



Orbit 2

Server Version: 20241216





Proposal 16659 - S/C visit for Visit 10 (1A) - Accreting white dwarfs as probes of compact binary evolution

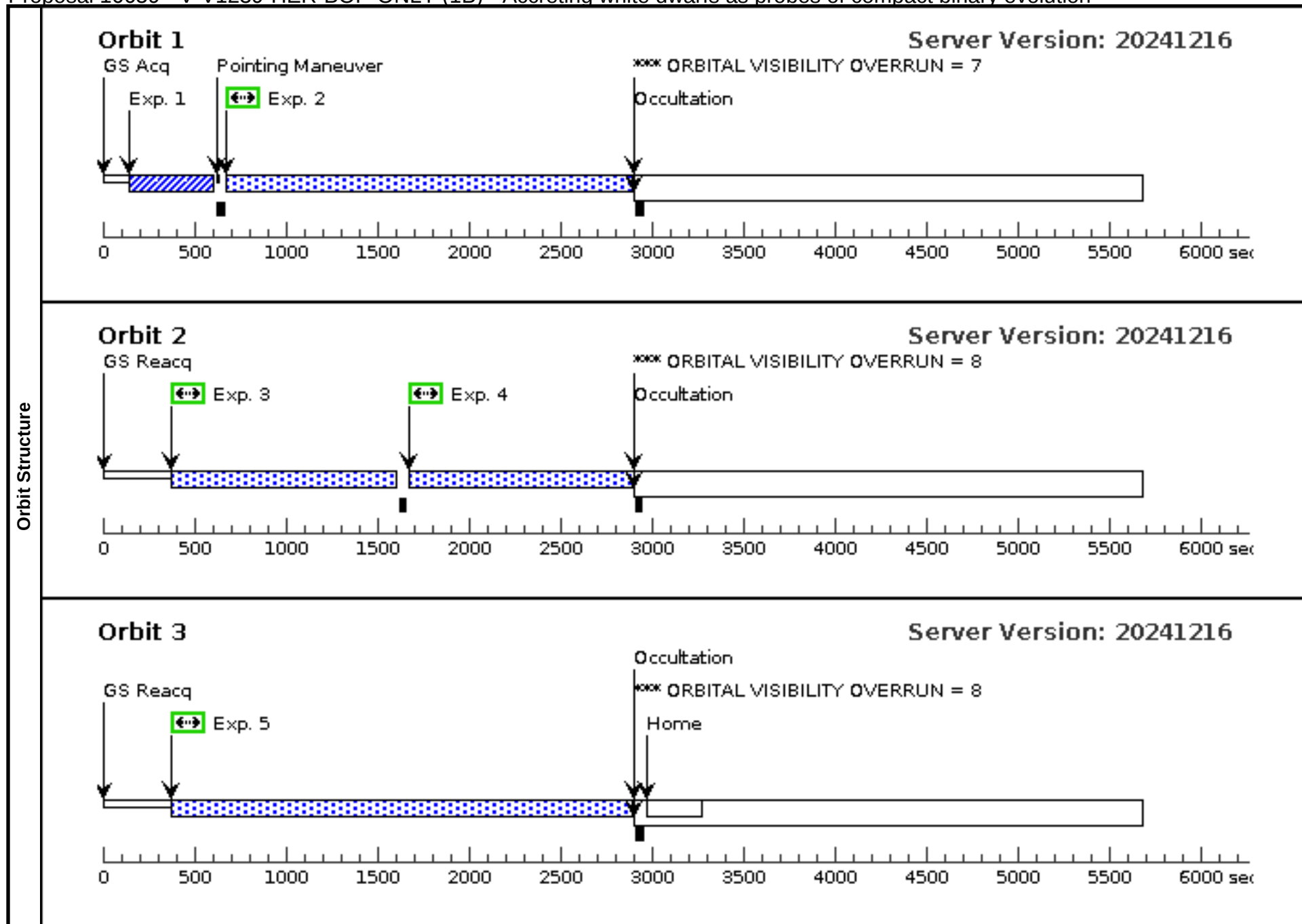
Visit	Proposal 16659, S/C visit for Visit 10 (1A), completed						Fri Apr 04 16:01:41 GMT 2025			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: S/C									
	Special Requirements: SCHED 100%; ORIENT 250D TO 115 D									
Comments: This visit allocates and sets up the safe position offset slot for visit 10 which will use that slot. This S/C visit should go earlier in the week while visit 10 will be at least 3 days later.* The S/C visit will contain only 1 exposure										
*Due to an increase in Covid-19 cases the FOT will only be on site on Tuesdays. This means the science visit will execute on a Tuesday evening and the 3 day default separation will be reduced to 1 day. The S/C visit will execute on the monday preceding the science visit.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	V-V1239-HER	RA: 17 02 13.2728 (255.5553033d) Dec: +32 29 53.87 (32.49830d) Equinox: J2000	Proper Motion RA: 20.968636015754818 mas/yr Proper Motion Dec: -18.372219578747476 mas/yr Parallax: 0.0033063871181721774" Epoch of Position: 2016.0	V=17.7 FUV=19.1, NUV=19.02, Gaia EDR3 1313538545446290688, G=17.9, parallax=3.31(8) mas.	Reference Frame: ICRS				
	Comments:									
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(10) V-V1239-HER	S/C, DATA, V1				POS TARG 232.723, -237.515; SAVE OFFSET V10 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGL E 44.2; QESIPARM DIST 9.795		5 Secs (5 Secs) [==>]	[1]
Orbit Structure	Orbit 1									
	Server Version: 20241216									

Proposal 16659 - V-V1239-HER-BOP-ONLY (1B) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-V1239-HER-BOP-ONLY (1B), withdrawn					Fri Apr 04 16:01:41 GMT 2025
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT 250D TO 115 D; BETWEEN 07-FEB-2022:00:00:00 AND 28-FEB-2022:00:00:00					
Comments: This visit is for BOP checking the safe target only and should not execute onboard HST.						
Diagnostics	(V-V1239-HER-BOP-ONLY (1B)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(V-V1239-HER-BOP-ONLY (1B)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(V-V1239-HER-BOP-ONLY (1B)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	V-V1239-HER	RA: 17 02 13.2728 (255.5553033d) Dec: +32 29 53.87 (32.49830d) Equinox: J2000	Proper Motion RA: 20.968636015754818 mas/yr Proper Motion Dec: -18.372219578747476 mas/yr Parallax: 0.0033063871181721774" Epoch of Position: 2016.0	V=17.7 FUV=19.1, NUV=19.02, Gaia EDR3 1313538545446290688, G=17.9, parallax=3.31(8) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					
	(78)	V-V1239-HER-SAFE-TARGET	Offset from V-V1239-HER RA Offset: 0.54 Secs Dec Offset: 7.017 Arcsec		V=17.7	Offset Position (V-V1239-HER-SAFE-TARGET)
	Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.795 arcseconds away at a PA 44.2 degrees from V-V1239-HER Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO					

Proposal 16659 - V-V1239-HER-BOP-ONLY (1B) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1530343)	(78) V-V1239-HER- SAFE-TARGET	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				84 Secs (84 Secs) [==>]	[1]
	Comments: Compute assuming a WD spectrum with Teff=17000K, scaled to NUV=19 (as measured from Galex photometry in quiescence). The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector).									
	2	FP-POS=1 (1530102)	(78) V-V1239-HER- SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=83 60; LIFETIME-POS=L P3			2016 Secs (2016 Secs) [==>]	[1]
	3	FP-POS=2 (1530102)	(78) V-V1239-HER- SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=83 60; LIFETIME-POS=L P3			1178 Secs (1178 Secs) [==>]	[2]
	4	FP-POS=3 (1530102)	(78) V-V1239-HER- SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=83 60; LIFETIME-POS=L P3			1178 Secs (1178 Secs) [==>]	[2]
	5	FP-POS=4 (1530102)	(78) V-V1239-HER- SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=83 60; LIFETIME-POS=L P3			2471 Secs (2471 Secs) [==>]	[3]



Proposal 16659 - V-BF-ERI (11) - Accreting white dwarfs as probes of compact binary evolution

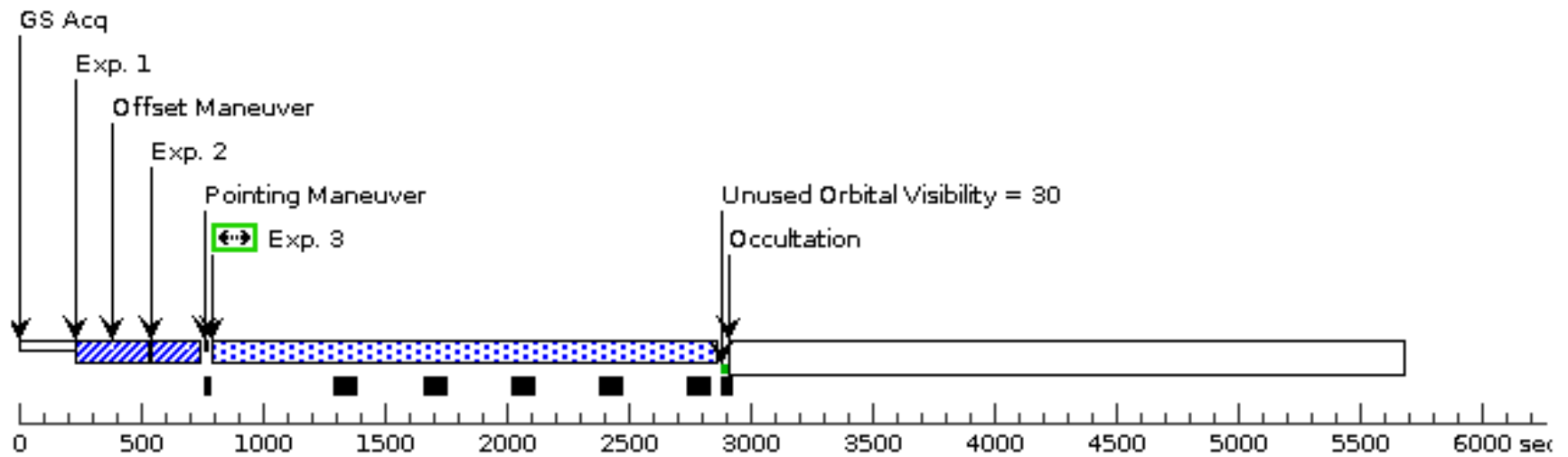
Visit	Proposal 16659, V-BF-ERI (11), failed Fri Apr 04 16:01:41 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 275D TO 110 D; BETWEEN 01-NOV-2023:00:00:00 AND 30-NOV-2023:00:00:00 Comments: This should be scheduled in the evening local time on a Thursday or Friday. Flags need to be cleared during the work day. Weekends and holidays are to be avoided since thCS ust clear the target within 24 hours of execution				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(11)	V-BF-ERI	RA: 04 39 29.9802 (69.8749175d) Dec: -04 36 0.58 (-4.60016d) Equinox: J2000	Proper Motion RA: 33.09549572963637 mas/yr Proper Motion Dec: -106.67252133954922 mas/yr Parallax: 0.0017604794228365602" Epoch of Position: 2016.0	V=15.2 Gaia EDR3 3201141899983079 296, G=14.4 parallax=1.76(3) mas.
Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-BF-ERI (11) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1892952)	(11) V-BF-ERI	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V11S AF		10 Secs (10 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=20000K, scaled to V=15. Added few seconds to be conservative.</i>									
	2	ACQ/PEAK D (1892952)	(11) V-BF-ERI	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V11S AF		10 Secs (10 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=20000K, scaled to V=15. Added few seconds to be conservative.</i>									
	3	FP-POS=1 (1892953)	(11) V-BF-ERI	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=36 1; LIFETIME-POS=L P3	USE OFFSET V11S AF		1915 Secs (1915 Secs) [==>]	[1]
	4	FP-POS=2 (1892953)	(11) V-BF-ERI	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=35 2; LIFETIME-POS=L P3	USE OFFSET V11S AF		1168 Secs (1168 Secs) [==>]	[2]
	5	FP-POS=3 (1892953)	(11) V-BF-ERI	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=35 2; LIFETIME-POS=L P3	USE OFFSET V11S AF		1165 Secs (1165 Secs) [==>]	[2]
	6	FP-POS=4 (1892953)	(11) V-BF-ERI	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=39 1; LIFETIME-POS=L P3	USE OFFSET V11S AF		2457 Secs (2457 Secs) [==>]	[3]

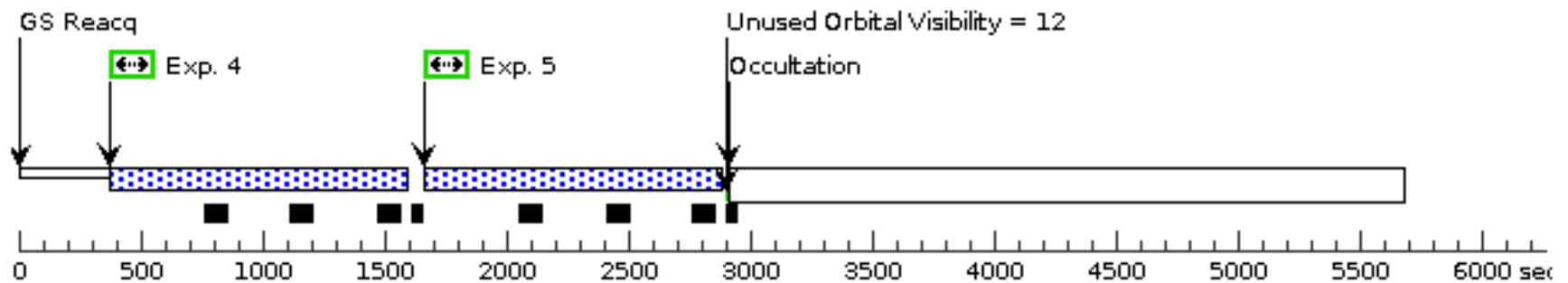
Orbit 1

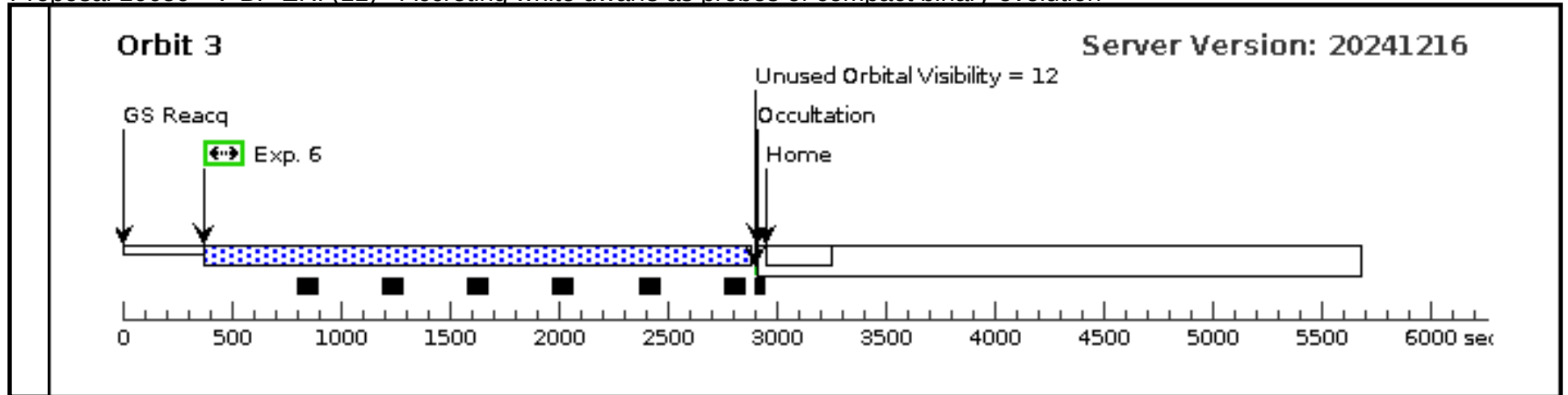
Server Version: 20241216



Orbit 2

Server Version: 20241216





Proposal 16659 - S/C visit for Visit 11 (1C) - Accreting white dwarfs as probes of compact binary evolution

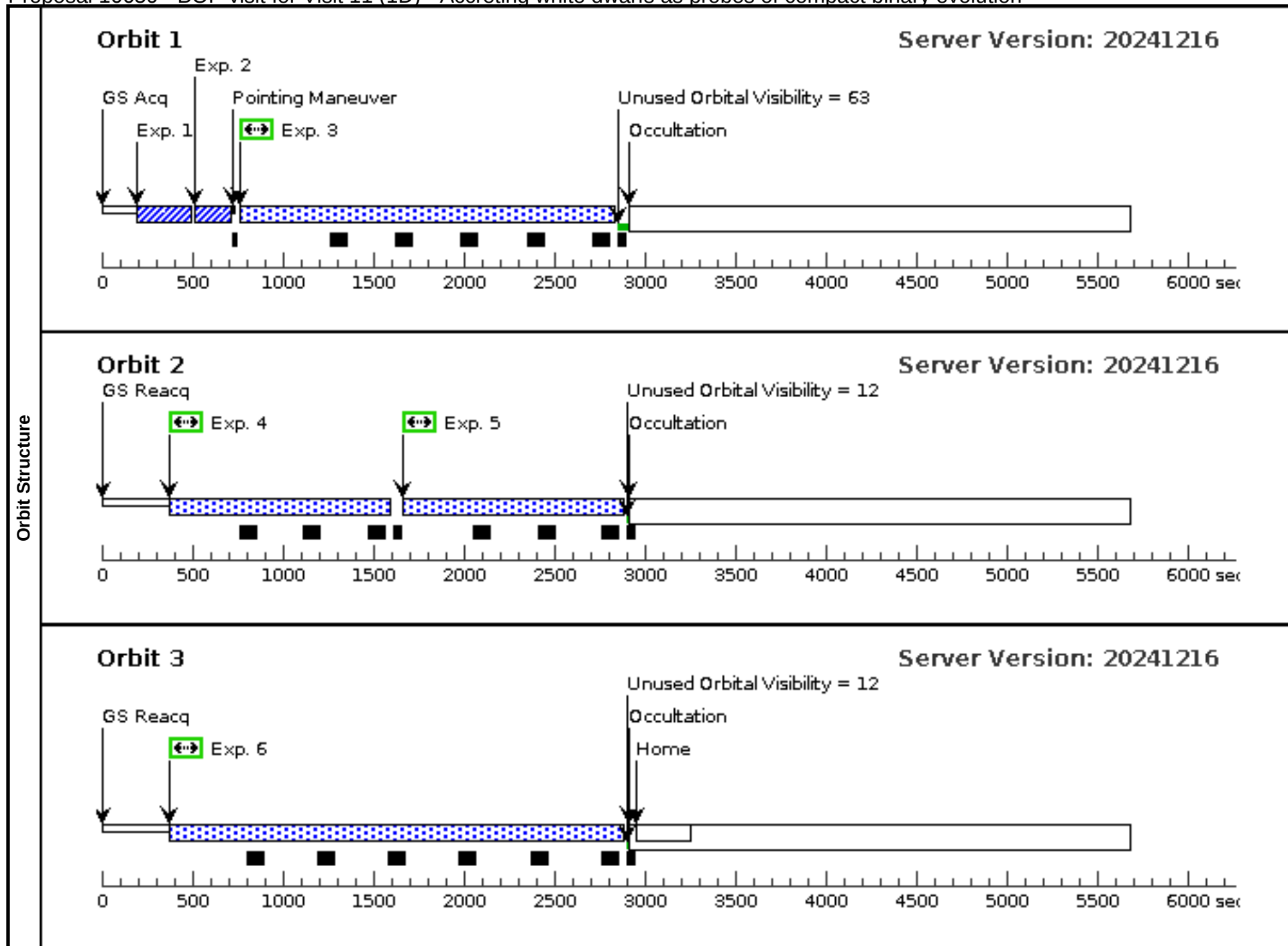
Visit	Proposal 16659, S/C visit for Visit 11 (1C), completed									
	Diagnostic Status: Warning									
	Scientific Instruments: S/C									
	Special Requirements: SCHED 100%; ORIENT 275D TO 110 D									
Diagnostics	Comments: This visit allocates and sets up the safe position offset slot for science visit 11 which will use that slot. This S/C visit should go 3-5 days before visit 11. The S/C visit will contain only 1 exposure									
	(S/C visit for Visit 11 (1C)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE (Exposure 1 (S/C visit for Visit 11 (1C)) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(11)	V-BF-ERI	RA: 04 39 29.9802 (69.8749175d) Dec: -04 36 0.58 (-4.60016d) Equinox: J2000	Proper Motion RA: 33.09549572963637 mas/yr Proper Motion Dec: -106.67252133954922 mas/yr Parallax: 0.0017604794228365602" Epoch of Position: 2016.0		V=15.2 Gaia EDR3 3201141899983079 296, G=14.4 parallax=1.76(3) mas.		Reference Frame: ICRS		
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) V-BF-ERI	S/C, DATA, V1			POS TARG 229.132 8,-241.0575; SAVE OFFSET V11 SAF; SPEC COM INSTR ECSLOTSET; GS ACQ SCENARI O BASE1BE; QESIPARM ANGL E 42.3; QESIPARM DIST 9.723		5 Secs (5 Secs) [==>]	[1]
Orbit Structure	Orbit 1									
	Server Version: 20241216									
Orbit Structure										

Proposal 16659 - BOP visit for Visit 11 (1D) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for Visit 11 (1D), withdrawn Fri Apr 04 16:01:41 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 275D TO 110 D; BETWEEN 01-NOV-2023:00:00:00 AND 30-NOV-2023:00:00:00 <i>Comments: This visit is for BOP checking the safe target only and should not execute onboard HST</i>				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(11)	V-BF-ERI	RA: 04 39 29.9802 (69.8749175d) Dec: -04 36 0.58 (-4.60016d) Equinox: J2000	Proper Motion RA: 33.09549572963637 mas/yr Proper Motion Dec: -106.67252133954922 mas/yr Parallax: 0.0017604794228365602" Epoch of Position: 2016.0	V=15.2 Gaia EDR3 3201141899983079 296, G=14.4 parallax=1.76(3) mas.
Fixed Targets	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(97)	V-BF-ERI-SAFE-TARGET	Offset from V-BF-ERI RA Offset: 0.43 Secs Dec Offset: 7.19 Arcsec	V=15.2	Offset Position (V-BF-ERI-SAFE-TARGET)
Fixed Targets	<i>Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.723 arcsec away at PA 42.3 degrees from V-BF-ERI</i> Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

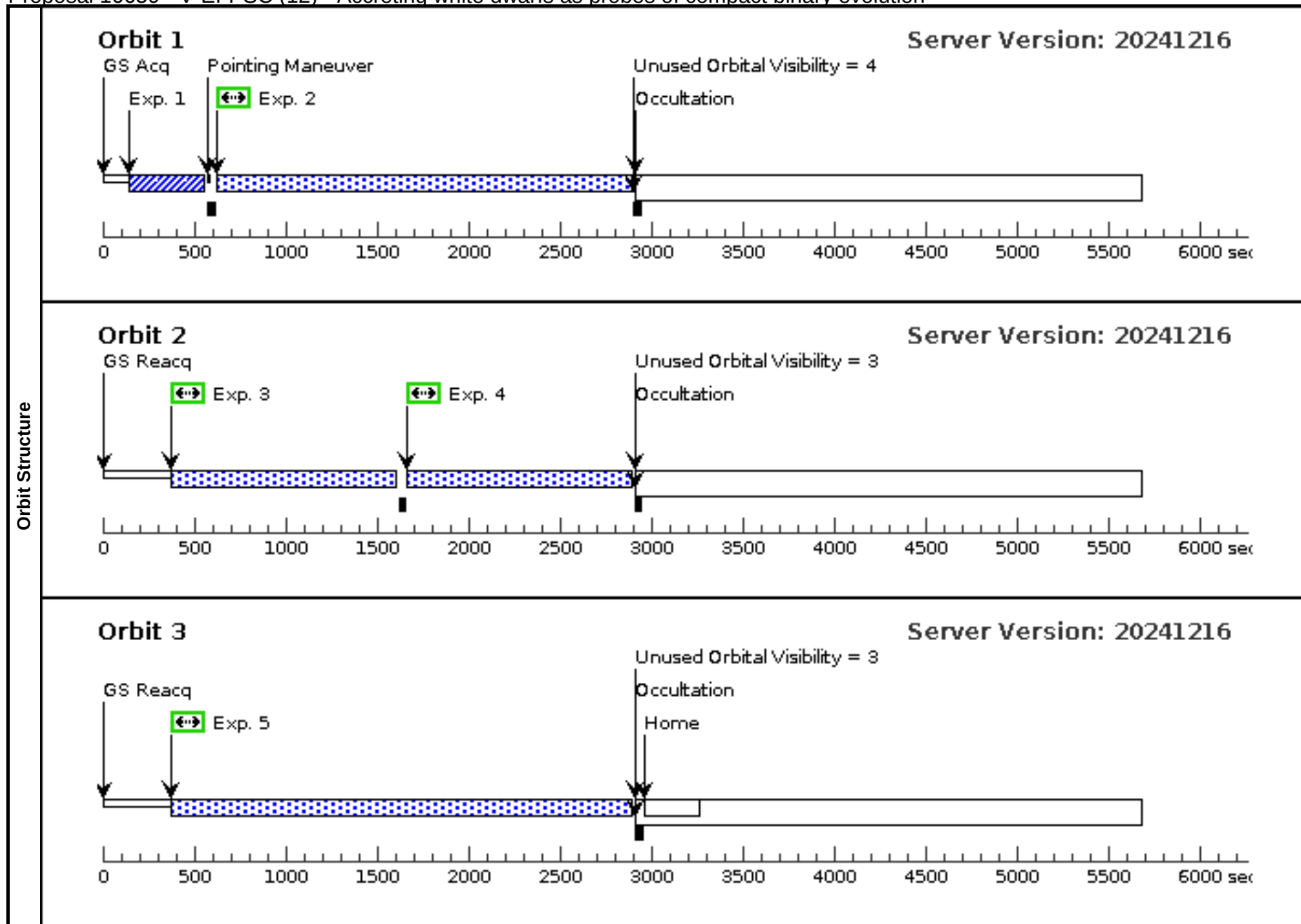
Proposal 16659 - BOP visit for Visit 11 (1D) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1892952)	(97) V-BF-ERI-SAF E-TARGET	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			10 Secs (10 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=20000K, scaled to V=15. Added few seconds to be conservative.</i>									
	2	ACQ/PEAK D (1892952)	(97) V-BF-ERI-SAF E-TARGET	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			10 Secs (10 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=20000K, scaled to V=15. Added few seconds to be conservative.</i>									
	3	FP-POS=1 (1892953)	(97) V-BF-ERI-SAF E-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=36 1; LIFETIME-POS=L P3			1915 Secs (1915 Secs) [==>]	[1]
	4	FP-POS=2 (1892953)	(97) V-BF-ERI-SAF E-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=35 2; LIFETIME-POS=L P3			1168 Secs (1168 Secs) [==>]	[2]
	5	FP-POS=3 (1892953)	(97) V-BF-ERI-SAF E-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=35 2; LIFETIME-POS=L P3			1165 Secs (1165 Secs) [==>]	[2]
	6	FP-POS=4 (1892953)	(97) V-BF-ERI-SAF E-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=39 1; LIFETIME-POS=L P3			2457 Secs (2457 Secs) [==>]	[3]



Proposal 16659 - V-EI-PSC (12) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-EI-PSC (12), implementation										Fri Apr 04 16:01:41 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%; BETWEEN 01-OCT-2022:00:00:00 AND 12-DEC-2022:00:00:00; BETWEEN 09-JUN-2023:00:00:00 AND 30-SEP-2023:00:00:00											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(12)	V-EI-PSC	RA: 23 29 54.1711 (352.4757129d) Dec: +06 28 12.12 (6.47003d) Equinox: J2000		Proper Motion RA: -40.57635313375397 mas/yr Proper Motion Dec: 32.86292819823369 mas/yr Parallax: 0.006626795401157707" Epoch of Position: 2016.0		V=16.19 FUV=18.9, NUV=17.5, Gaia EDR3 2757417008882236672, G=15.9, parallax=6.63(5) mas.		Reference Frame: ICRS			
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ/IMAG E (1530352)	(12) V-EI-PSC	COS/NUV, ACQ/IMAGE, PSA		MIRRORB				60 Secs (60 Secs)		
										[==>]		[1]
	Comments: The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding the count rate per pixel in case the system is brighter than expected (but still safe for the detector).											
	2	FP-POS=1 (1527909)	(12) V-EI-PSC	COS/FUV, TIME-TAG, PSA		G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=8808; LIFETIME-POS=L P3			2059 Secs (2059 Secs)		
										[==>]		[1]
	3	FP-POS=2 (1527909)	(12) V-EI-PSC	COS/FUV, TIME-TAG, PSA		G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=8808; LIFETIME-POS=L P3			1176 Secs (1176 Secs)		
										[==>]		[2]
	4	FP-POS=3 (1527909)	(12) V-EI-PSC	COS/FUV, TIME-TAG, PSA		G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=8808; LIFETIME-POS=L P3			1175 Secs (1175 Secs)		
										[==>]		[2]
5	FP-POS=4 (1527909)	(12) V-EI-PSC	COS/FUV, TIME-TAG, PSA		G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=8808; LIFETIME-POS=L P3			2466 Secs (2466 Secs)			
									[==>]		[3]	

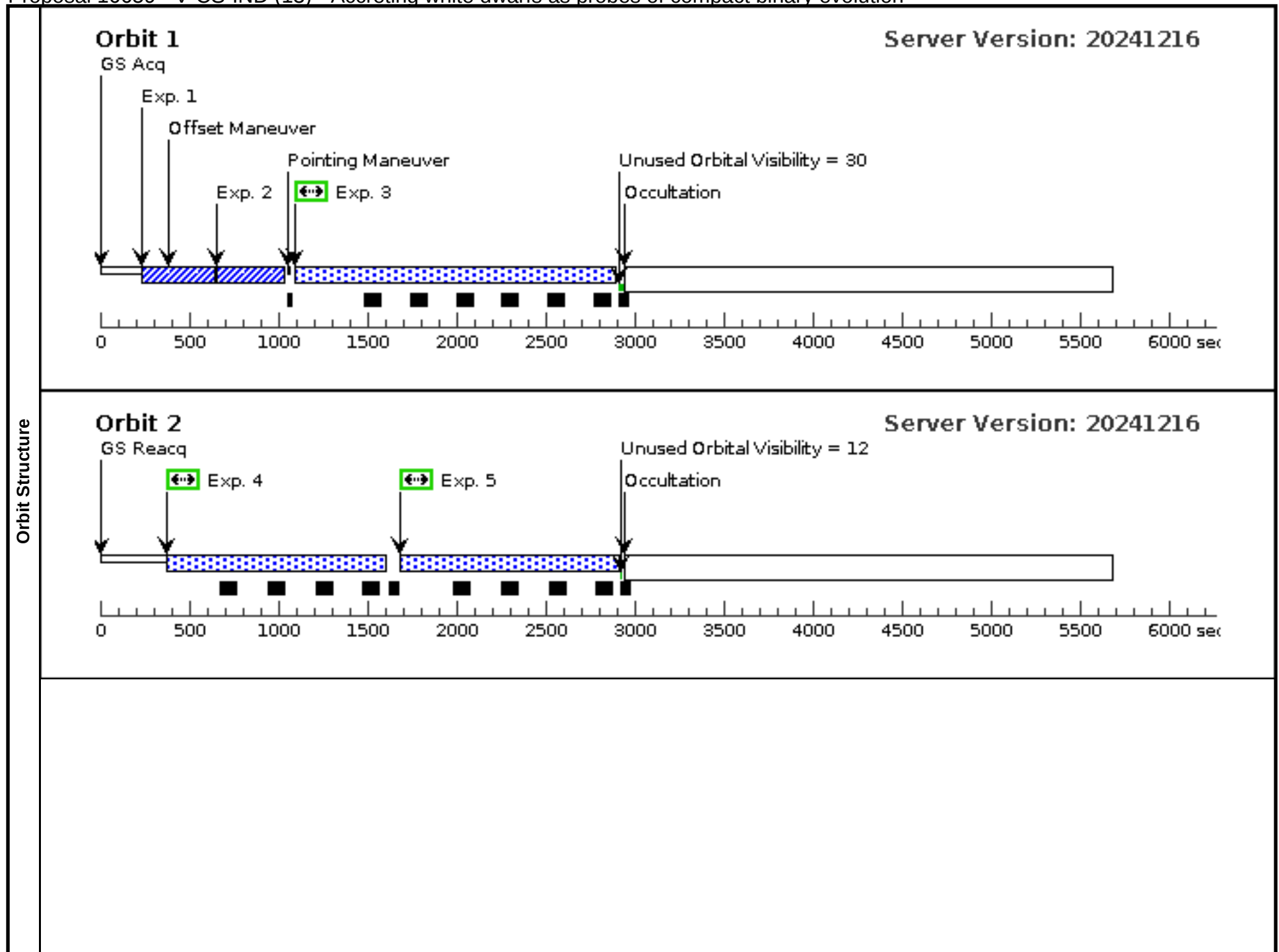


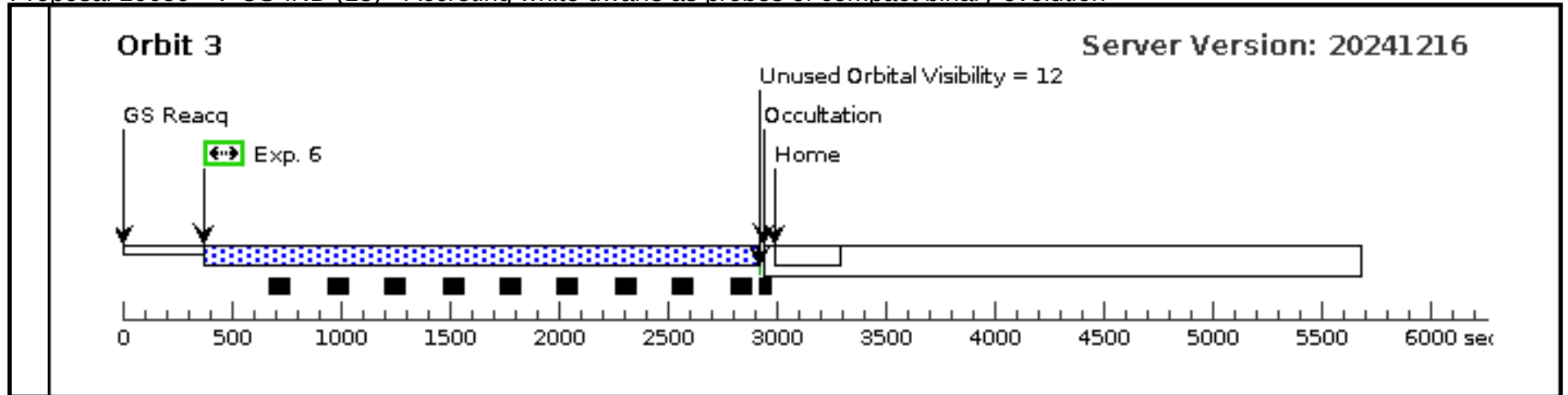
Proposal 16659 - V-CS-IND (13) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-CS-IND (13), completed Fri Apr 04 16:01:41 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 275D TO 140 D; BETWEEN 01-AUG-2024:00:00:00 AND 01-SEP-2024:00:00:00 Comments: This should be scheduled in evening local time on a thursday or friday. Flags need to be cleared during the work day. Weekends and holidays are to be avoided since the CS must clear the target within 24 hours of HST execution.				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(13)	V-CS-IND	RA: 21 59 54.5271 (329.9771963d) Dec: -68 50 37.03 (-68.84362d) Equinox: J2000	Proper Motion RA: -10.362059077375068 mas/yr Proper Motion Dec: -24.53047650127067 mas/yr Parallax: 0.003090100150999971" Epoch of Position: 2016.0	V=17.3 FUV=17.8, NUV=17.1, Gaia EDR3 6396170751536790 016, G=16.9, parallax=3.09(5) mas.
Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					
Miscellaneous					
Reference Frame: ICRS					

Proposal 16659 - V-CS-IND (13) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1527919)	(13) V-CS-IND	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V13S AF		47 Secs (47 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=17000K, scaled to FUV=18.</i>									
	2	ACQ/PEAK D (1527919)	(13) V-CS-IND	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V13S AF		47 Secs (47 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=17000K, scaled to FUV=18.</i>									
	3	FP-POS=1 (1527923)	(13) V-CS-IND	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=25 6; LIFETIME-POS=L P3	USE OFFSET V13S AF		1647 Secs (1647 Secs) [==>]	[1]
	4	FP-POS=2 (1527923)	(13) V-CS-IND	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=26 6; LIFETIME-POS=L P3	USE OFFSET V13S AF		1176 Secs (1176 Secs) [==>]	[2]
	5	FP-POS=3 (1527923)	(13) V-CS-IND	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=26 6; LIFETIME-POS=L P3	USE OFFSET V13S AF		1175 Secs (1175 Secs) [==>]	[2]
	6	FP-POS=4 (1527923)	(13) V-CS-IND	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=26 4; LIFETIME-POS=L P3	USE OFFSET V13S AF		2485 Secs (2485 Secs) [==>]	[3]





Proposal 16659 - S/C visit for Visit 13 (1G) - Accreting white dwarfs as probes of compact binary evolution

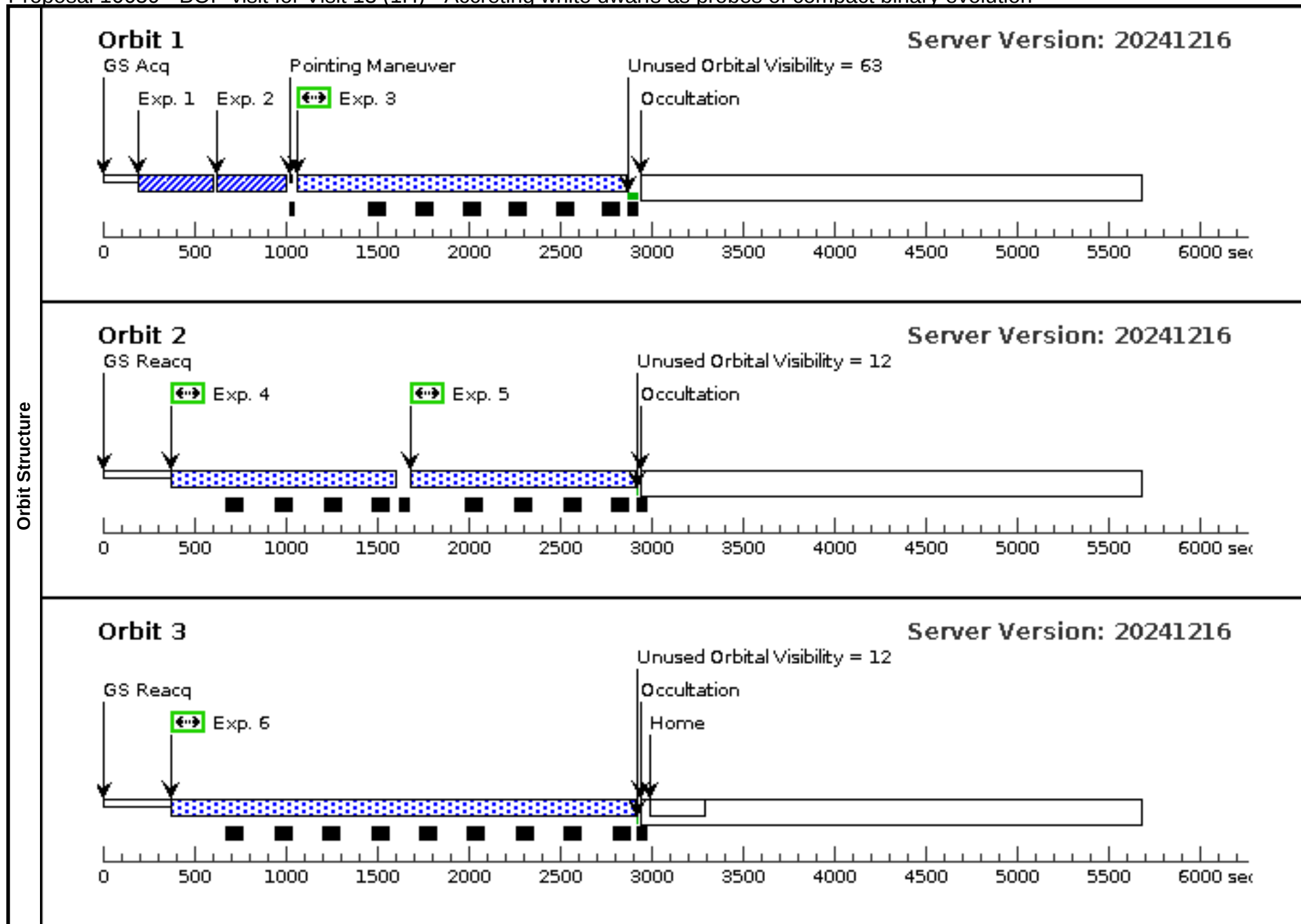
Visit	Proposal 16659, S/C visit for Visit 13 (1G), completed										Fri Apr 04 16:01:41 GMT 2025
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: S/C										
	Special Requirements: SCHED 100%; ORIENT 275D TO 140 D										
Comments: This visit allocates and sets up the safe position offset slot for visit 13 which will use that slot. This S/C visit should q 3-5 days before visit 13. The S/C visit will contain only 1 exposure											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(13)	V-CS-IND	RA: 21 59 54.5271 (329.9771963d) Dec: -68 50 37.03 (-68.84362d) Equinox: J2000		Proper Motion RA: -10.362059077375068 mas/yr Proper Motion Dec: -24.53047650127067 mas/yr Parallax: 0.003090100150999971" Epoch of Position: 2016.0		V=17.3 FUV=17.8, NUV=17.1, Gaia EDR3 6396170751536790016, G=16.9, parallax=3.09(5) mas.		Reference Frame: ICRS		
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(13) V-CS-IND	S/C, DATA, V1			POS TARG 229.132 8,-241.0575; SAVE OFFSET V13 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 72.9; QESIPARM DIST 9.754		5 Secs (5 Secs) [==>]		[1]
Orbit Structure	Orbit 1 GS Acq Unused Orbital Visibility = 2556 Exp. 1 Occultation 050010001500200025003000350040004500500055006000 sec										
	Server Version: 20241216										

Proposal 16659 - BOP visit for Visit 13 (1H) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for Visit 13 (1H), withdrawn Fri Apr 04 16:01:41 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 275D TO 140 D; BETWEEN 01-AUG-2024:00:00:00 AND 01-SEP-2024:00:00:00 <i>Comments: This visit is for BOP checking the safe target only and should not execute onboard HST</i>				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(13)	V-CS-IND	RA: 21 59 54.5271 (329.9771963d) Dec: -68 50 37.03 (-68.84362d) Equinox: J2000	Proper Motion RA: -10.362059077375068 mas/yr Proper Motion Dec: -24.53047650127067 mas/yr Parallax: 0.003090100150999971" Epoch of Position: 2016.0	V=17.3 FUV=17.8, NUV=17.1, Gaia EDR3 6396170751536790 016, G=16.9, parallax=3.09(5) mas.
Fixed Targets	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(105)	V-CS-IND-SAFE-TARGET	Offset from V-CS-IND RA Offset: 1.72 Secs Dec Offset: 2.866 Arcsec		V=17.3 Offset Position (V-CS-IND-SAFE-TARGET)
Fixed Targets	<i>Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.754 arcseconds away at PA 72.9 degrees from V-CS-IND</i> Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

Proposal 16659 - BOP visit for Visit 13 (1H) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1527919)	(105) V-CS-IND-SA FE-TARGET	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			47 Secs (47 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=17000K, scaled to FUV=18.</i>									
	2	ACQ/PEAK D (1527919)	(105) V-CS-IND-SA FE-TARGET	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			47 Secs (47 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=17000K, scaled to FUV=18.</i>									
	3	FP-POS=1 (1527923)	(105) V-CS-IND-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=25 6; LIFETIME-POS=L P3			1647 Secs (1647 Secs) [==>]	[1]
	4	FP-POS=2 (1527923)	(105) V-CS-IND-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=26 6; LIFETIME-POS=L P3			1176 Secs (1176 Secs) [==>]	[2]
	5	FP-POS=3 (1527923)	(105) V-CS-IND-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=26 6; LIFETIME-POS=L P3			1175 Secs (1175 Secs) [==>]	[2]
	6	FP-POS=4 (1527923)	(105) V-CS-IND-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=26 4; LIFETIME-POS=L P3			2485 Secs (2485 Secs) [==>]	[3]



Proposal 16659 - CRTS-J061753.9-362655 (14) - Accreting white dwarfs as probes of compact binary evolution

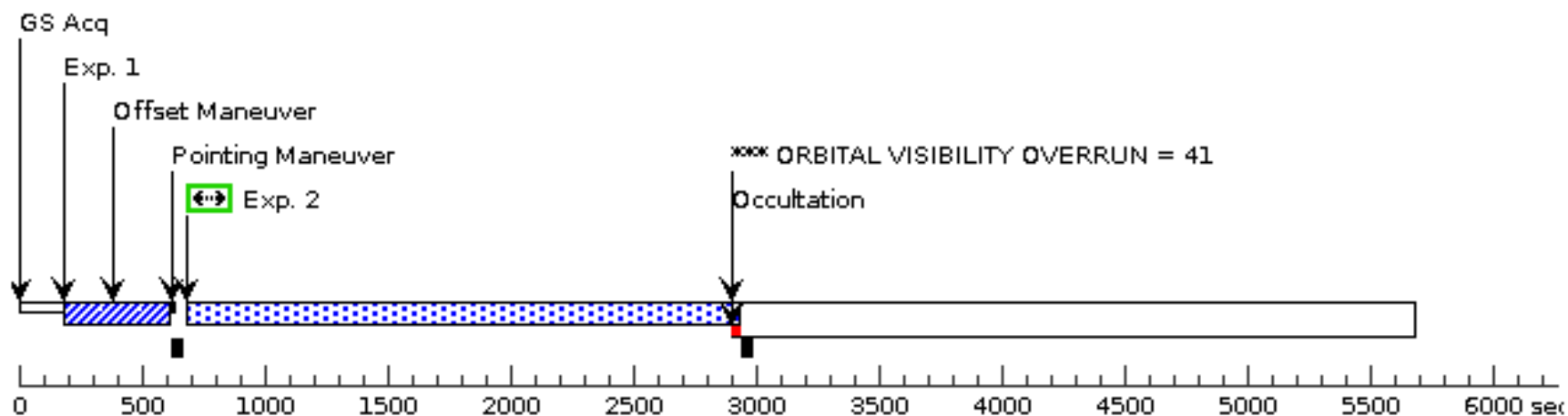
Visit	Proposal 16659, CRTS-J061753.9-362655 (14), completed Fri Apr 04 16:01:41 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 260D TO 105 D; BETWEEN 01-MAR-2023:00:00:00 AND 31-MAR-2023:00:00:00 Comments: This should be scheduled in the late afternoon/early evening local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution					
Diagnostics	(CRTS-J061753.9-362655 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (CRTS-J061753.9-362655 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (CRTS-J061753.9-362655 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(14)	CRTS-J061753.9-362655	RA: 06 17 53.8261 (94.4742754d) Dec: -36 26 54.48 (-36.44847d) Equinox: J2000	Proper Motion RA: -4.045538053937011 mas/yr Proper Motion Dec: 2.091059847756904 mas/yr Parallax: 9.663618757874464E-4" Epoch of Position: 2016.0	V=18.1 Gaia EDR3 2885173972200577920, G=17.45, parallax=0.96(6) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - CRTS-J061753.9-362655 (14) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1530354)	(14) CRTS-J061753. 9-362655	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V14S AF		70 Secs (70 Secs) [==>]	[1]
	Comments: Computed assuming a WD spectrum with $T_{\text{eff}}=17000\text{K}$, scaled to $\text{NUV}=18.81$ (as measured from <i>Galex</i> photometry in low state). The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding the count rate per pixel in case the system is brighter than expected (but still safe for the detector).									
	2	FP-POS=1 (1527933)	(14) CRTS-J061753. 9-362655	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=78 17; LIFETIME-POS=L P3	USE OFFSET V14S AF		2044 Secs (2044 Secs) [==>]	[1]
	3	FP-POS=2 (1527933)	(14) CRTS-J061753. 9-362655	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=78 17; LIFETIME-POS=L P3	USE OFFSET V14S AF		1179 Secs (1179 Secs) [==>]	[2]
	4	FP-POS=3 (1527933)	(14) CRTS-J061753. 9-362655	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=78 17; LIFETIME-POS=L P3	USE OFFSET V14S AF		1177 Secs (1177 Secs) [==>]	[2]
	5	FP-POS=4 (1527933)	(14) CRTS-J061753. 9-362655	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=78 17; LIFETIME-POS=L P3	USE OFFSET V14S AF		2471 Secs (2471 Secs) [==>]	[3]

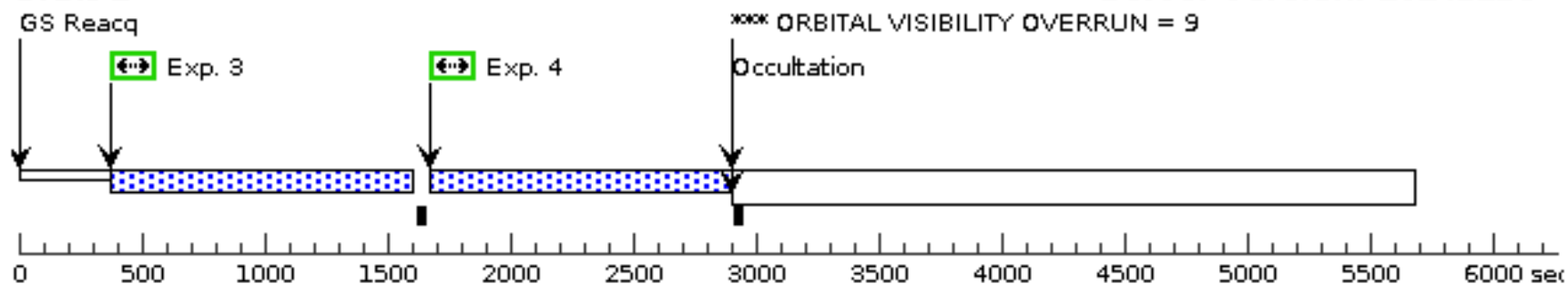
Orbit 1

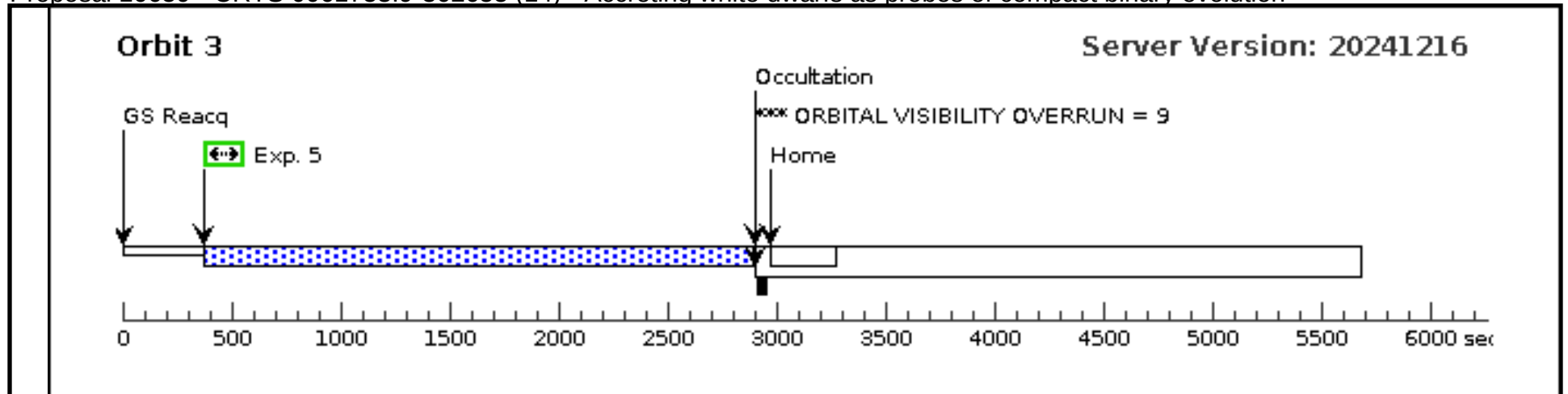
Server Version: 20241216



Orbit 2

Server Version: 20241216





Proposal 16659 - S/C visit for visit 14 (1I) - Accreting white dwarfs as probes of compact binary evolution

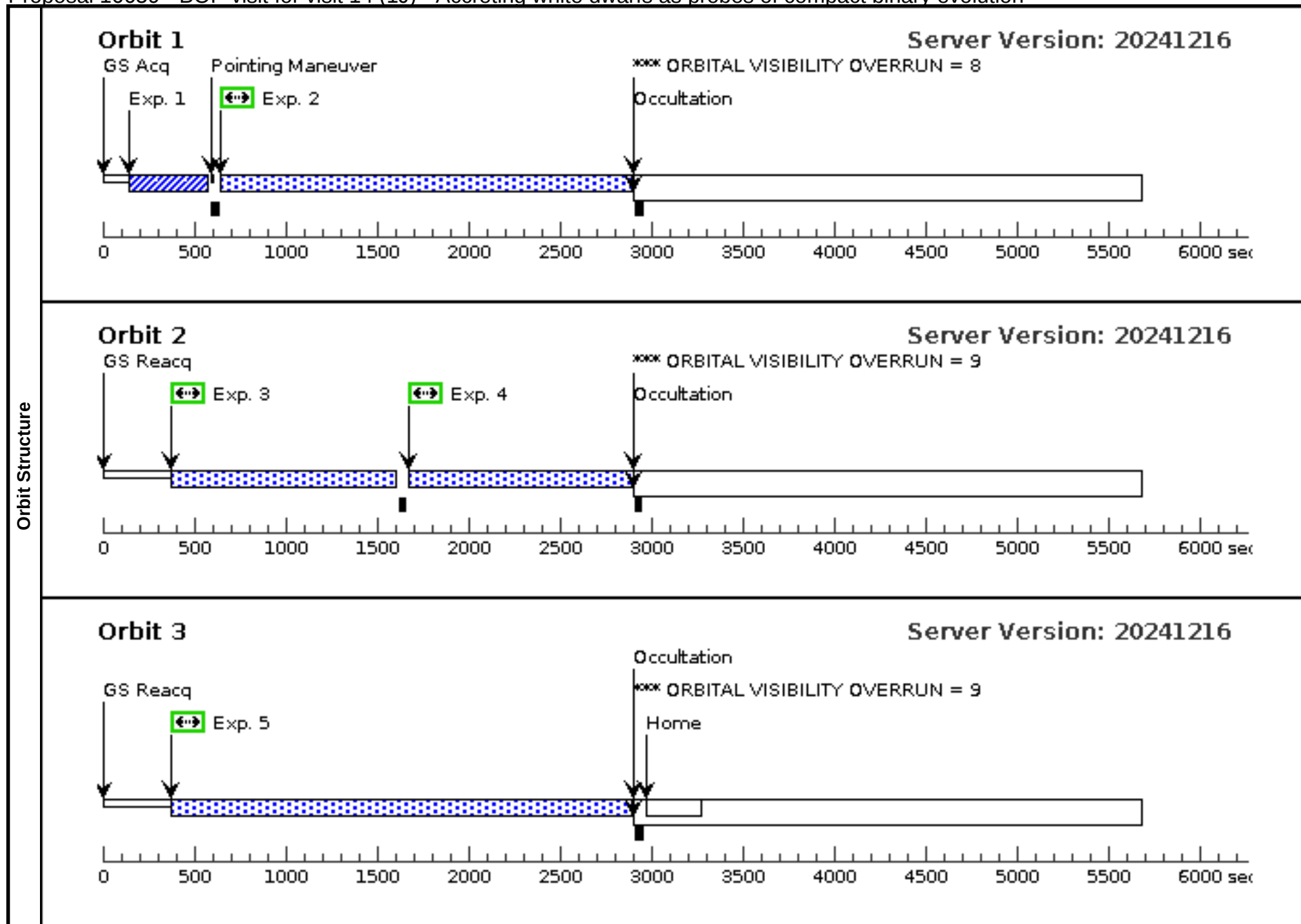
Visit	Proposal 16659, S/C visit for visit 14 (1I), completed										Fri Apr 04 16:01:41 GMT 2025
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: S/C										
	Special Requirements: SCHED 100%; ORIENT 260D TO 105 D										
Comments: This visit allocates and sets up the safe position offset slot for visit 14 which iwll use that slot. This visit should execute no less than three and no more than five days before visit 14											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(14)	CRTS-J061753.9-362655	RA: 06 17 53.8261 (94.4742754d) Dec: -36 26 54.48 (-36.44847d) Equinox: J2000	Proper Motion RA: -4.045538053937011 mas/yr Proper Motion Dec: 2.091059847756904 mas/yr Parallax: 9.663618757874464E-4" Epoch of Position: 2016.0			V=18.1 Gaia EDR3 2885173972200577920, G=17.45, parallax=0.96(6) mas.		Reference Frame: ICRS		
	Comments:										
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(14) CRTS-J061753.9-362655	S/C, DATA, V1			POS TARG 232.723, -237.515; SAVE OFFSET V14 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGL E 46.2; QESIPARM DIST 9.444		5 Secs (5 Secs) [==>]		[1]
Orbit Structure	Orbit 1 GS Acq Unused Orbital Visibility = 2521 Exp. 1 Occultation										
	Server Version: 20241216										

Proposal 16659 - BOP visit for visit 14 (1J) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for visit 14 (1J), withdrawn					Fri Apr 04 16:01:41 GMT 2025
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT 260D TO 105 D; BETWEEN 01-MAR-2023:00:00:00 AND 31-MAR-2023:00:00:00					
Comments: This visit is for BOP checking the safe target only and should not execute onboard HST						
Diagnostics	(BOP visit for visit 14 (1J)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for visit 14 (1J)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for visit 14 (1J)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(14)	CRTS-J061753.9-362655	RA: 06 17 53.8261 (94.4742754d) Dec: -36 26 54.48 (-36.44847d) Equinox: J2000	Proper Motion RA: -4.045538053937011 mas/yr Proper Motion Dec: 2.091059847756904 mas/yr Parallax: 9.663618757874464E-4" Epoch of Position: 2016.0	V=18.1 Gaia EDR3 2885173972200577920, G=17.45, parallax=0.96(6) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					
	(90)	CRTS-J061753.9-362655-SAFE-TGT	Offset from CRTS-J061753.9-362655 RA Offset: 0.56 Secs Dec Offset: 6.54 Arcsec		V=18.1	Offset Position (CRTS-J061753.9-362655-SAFE-TGT)
	Comments: This target is a blank piece of sky which serves as the Safe Target associated with target 14. It is 9.444 arcsec away at PA 46.2 degrees from CRTS-J061753.9-362655 Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO					

Proposal 16659 - BOP visit for visit 14 (1J) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1530354)	(90) CRTS-J061753. 9-362655-SAFE-TG T	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				70 Secs (70 Secs) [==>]	[1]
	Comments: Computed assuming a WD spectrum with $T_{\text{eff}}=17000\text{K}$, scaled to $\text{NUV}=18.81$ (as measured from <i>Galex</i> photometry in low state). The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding the count rate per pixel in case the system is brighter than expected (but still safe for the detector).									
	2	FP-POS=1 (1527933)	(90) CRTS-J061753. 9-362655-SAFE-TG T	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=78 17; LIFETIME-POS=L P3			2044 Secs (2044 Secs) [==>]	[1]
	3	FP-POS=2 (1527933)	(90) CRTS-J061753. 9-362655-SAFE-TG T	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=78 17; LIFETIME-POS=L P3			1179 Secs (1179 Secs) [==>]	[2]
	4	FP-POS=3 (1527933)	(90) CRTS-J061753. 9-362655-SAFE-TG T	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=78 17; LIFETIME-POS=L P3			1177 Secs (1177 Secs) [==>]	[2]
	5	FP-POS=4 (1527933)	(90) CRTS-J061753. 9-362655-SAFE-TG T	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=78 17; LIFETIME-POS=L P3			2471 Secs (2471 Secs) [==>]	[3]

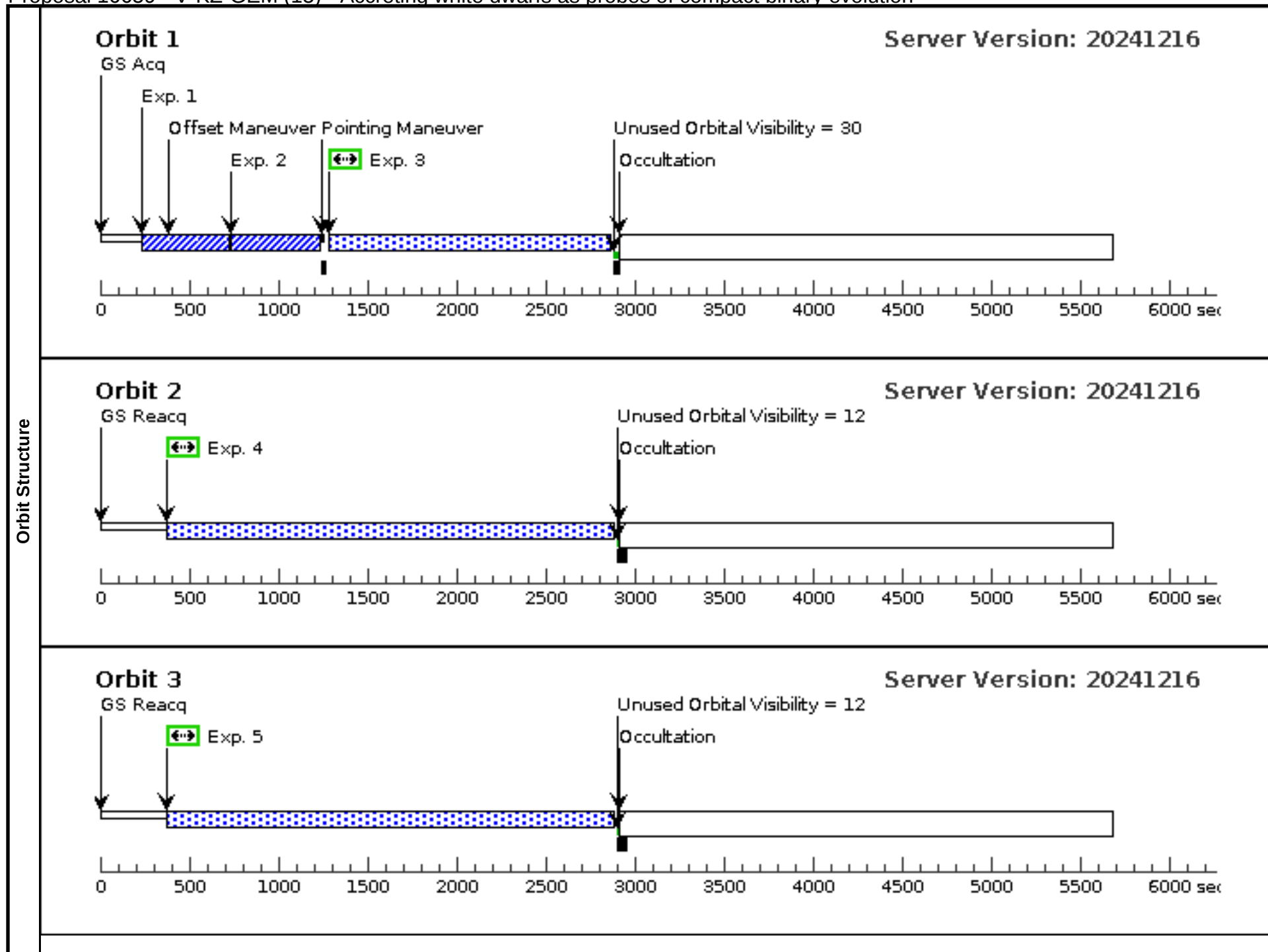


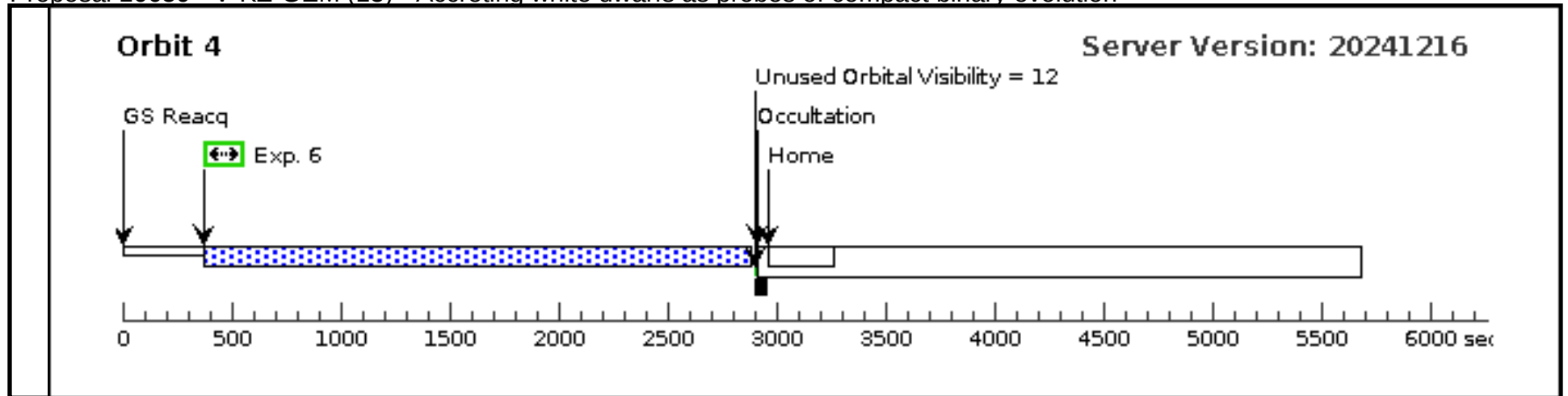
Proposal 16659 - V-KZ-GEM (15) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-KZ-GEM (15), implementation Fri Apr 04 16:01:41 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 50D TO 292 D; BETWEEN 01-NOV-2024:00:00:00 AND 16-NOV-2024:00:00:00; BETWEEN 21-NOV-2024:00:00:00 AND 16-DEC-2024:00:00:00; BETWEEN 19-DEC-2024:00:00:00 AND 20-JAN-2025:00:00:00 Comments: This should be scheduled in evening local-time on a Thursday or Friday. Flags need to be cleared during the work day. Weekends & holidays are to be avoided since the CS must clear the target within 24 hours of HST execution				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(15)	V-KZ-GEM	RA: 06 53 2.4566 (103.2602358d) Dec: +16 39 58.60 (16.66628d) Equinox: J2000	Proper Motion RA: 1.8013389645245665 mas/yr Proper Motion Dec: -4.830146928100676 mas/yr Parallax: 7.873508917400841E-4" Epoch of Position: 2016.0	V=17.42 Gaia EDR3 3358158723141670656, G=16.7, parallax=0.79(7) mas.
Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-KZ-GEM (15) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1527939)	(15) V-KZ-GEM	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V15S AF		71 Secs (71 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=17000K, scaled to FUV=18.4 (as measured from Galex photometry in quiescence).</i>									
	2	ACQ/PEAK D (1527939)	(15) V-KZ-GEM	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V15S AF		71 Secs (71 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=17000K, scaled to FUV=18.4 (as measured from Galex photometry in quiescence).</i>									
	3	FP-POS=1 (1527943)	(15) V-KZ-GEM	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=72 73; LIFETIME-POS=L P3	USE OFFSET V15S AF		1493 Secs (1427 Secs) [==>1427.0 Secs]	[1]
	4	FP-POS=2 (1527943)	(15) V-KZ-GEM	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=72 73; LIFETIME-POS=L P3	USE OFFSET V15S AF		2473 Secs (2457 Secs) [==>2457.0 Secs]	[2]
	5	FP-POS=3 (1527943)	(15) V-KZ-GEM	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=72 73; LIFETIME-POS=L P3	USE OFFSET V15S AF		2473 Secs (2457 Secs) [==>2457.0 Secs]	[3]
	6	FP-POS=4 (1527943)	(15) V-KZ-GEM	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=72 73; LIFETIME-POS=L P3	USE OFFSET V15S AF		2473 Secs (2457 Secs) [==>2457.0 Secs]	[4]





Proposal 16659 - S/C visit for visit 15 (1K) - Accreting white dwarfs as probes of compact binary evolution

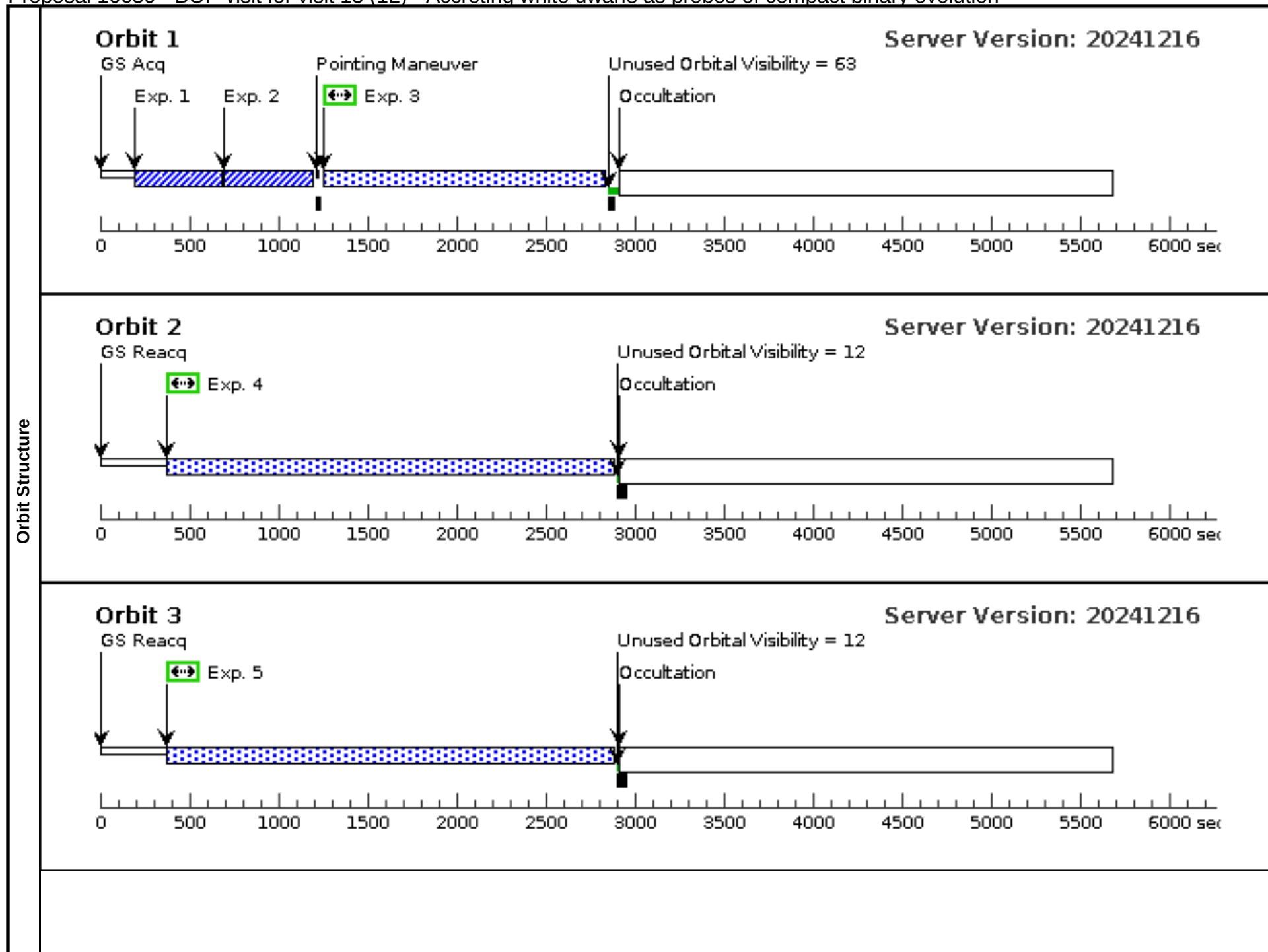
Visit	Proposal 16659, S/C visit for visit 15 (1K), implementation										Fri Apr 04 16:01:41 GMT 2025
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: S/C										
	Special Requirements: SCHED 100%; ORIENT 50D TO 292 D										
Comments: This visit allocates and sets up the safe position offset slot for visit 15 which will use that slot. This S/C visit should go 3-5 days before visit 15. The S/C visit will contain only 1 exposure											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(15)	V-KZ-GEM	RA: 06 53 2.4566 (103.2602358d) Dec: +16 39 58.60 (16.66628d) Equinox: J2000		Proper Motion RA: 1.8013389645245665 mas/yr Proper Motion Dec: -4.830146928100676 mas/yr Parallax: 7.873508917400841E-4" Epoch of Position: 2016.0		V=17.42 Gaia EDR3 3358158723141670 656, G=16.7, parallax=0.79(7) mas.		Reference Frame: ICRS		
	Comments:										
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1		(15) V-KZ-GEM	S/C, DATA, V1			POS TARG 229.132 8,-241.0575; SAVE OFFSET V15 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGL E 212.4; QESIPARM DIST 9.748		310 Secs (310 Secs) [==>]		
										[1]	
Orbit Structure	Orbit 1 Server Version: 20241216 GS Acq Exp. 1 Unused Orbital Visibility = 2223 Occultation										

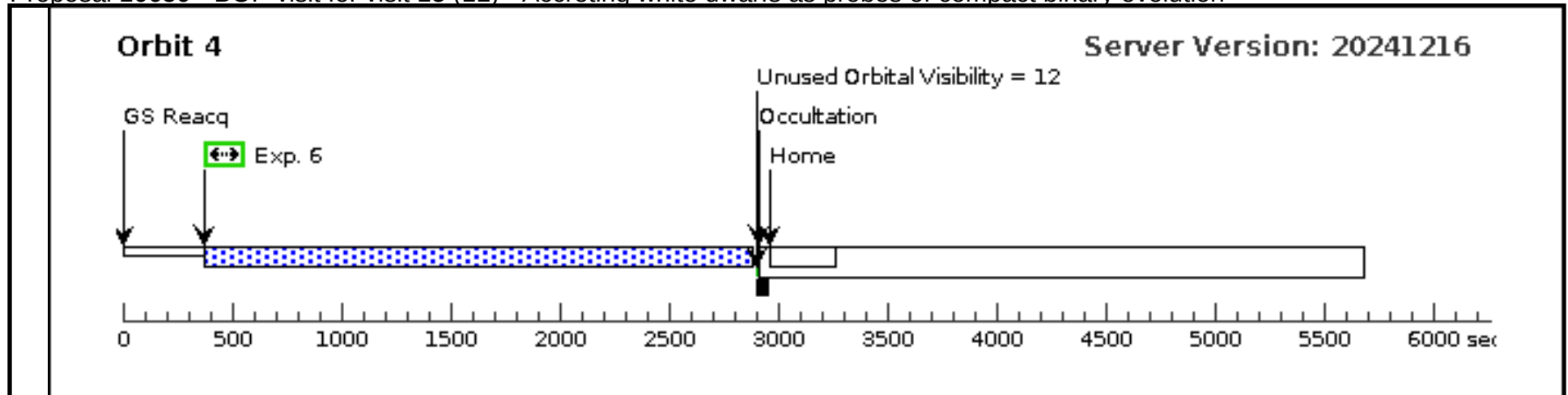
Proposal 16659 - BOP visit for visit 15 (1L) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for visit 15 (1L), implementation Fri Apr 04 16:01:41 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 50D TO 292 D; BETWEEN 01-NOV-2024:00:00:00 AND 16-NOV-2024:00:00:00; BETWEEN 21-NOV-2024:00:00:00 AND 16-DEC-2024:00:00:00; BETWEEN 19-DEC-2024:00:00:00 AND 20-JAN-2025:00:00:00 Comments: This visit is for BOP checking the saffe target only and should not execute onboard HST				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(15)	V-KZ-GEM	RA: 06 53 2.4566 (103.2602358d) Dec: +16 39 58.60 (16.66628d) Equinox: J2000	Proper Motion RA: 1.8013389645245665 mas/yr Proper Motion Dec: -4.830146928100676 mas/yr Parallax: 7.873508917400841E-4" Epoch of Position: 2016.0	V=17.42 Gaia EDR3 3358158723141670 656, G=16.7, parallax=0.79(7) mas.
Fixed Targets	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(108)	V-KZ-GEM-SAFE-TARGET	Offset from V-KZ-GEM RA Offset: -0.36 Secs Dec Offset: -8.234 Arcsec		V=17.42 Offset Position (V-KZ-GEM-SAFE-TARGET)
Fixed Targets	Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.748" away at a PA 212.4 degrees from V-KZ-GEM Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

Proposal 16659 - BOP visit for visit 15 (1L) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1527939)	(108) V-KZ-GEM-S AFE-TARGET	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			71 Secs (71 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=17000K, scaled to FUV=18.4 (as measured from Galex photometry in quiescence).</i>									
	2	ACQ/PEAK D (1527939)	(108) V-KZ-GEM-S AFE-TARGET	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			71 Secs (71 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=17000K, scaled to FUV=18.4 (as measured from Galex photometry in quiescence).</i>									
	3	FP-POS=1 (1527943)	(108) V-KZ-GEM-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=72 73; LIFETIME-POS=L P3			1493 Secs (1427 Secs) [==>1427.0 Secs]	[1]
	4	FP-POS=2 (1527943)	(108) V-KZ-GEM-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=72 73; LIFETIME-POS=L P3			2473 Secs (2457 Secs) [==>2457.0 Secs]	[2]
	5	FP-POS=3 (1527943)	(108) V-KZ-GEM-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=72 73; LIFETIME-POS=L P3			2473 Secs (2457 Secs) [==>2457.0 Secs]	[3]
	6	FP-POS=4 (1527943)	(108) V-KZ-GEM-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=72 73; LIFETIME-POS=L P3			2473 Secs (2457 Secs) [==>2457.0 Secs]	[4]



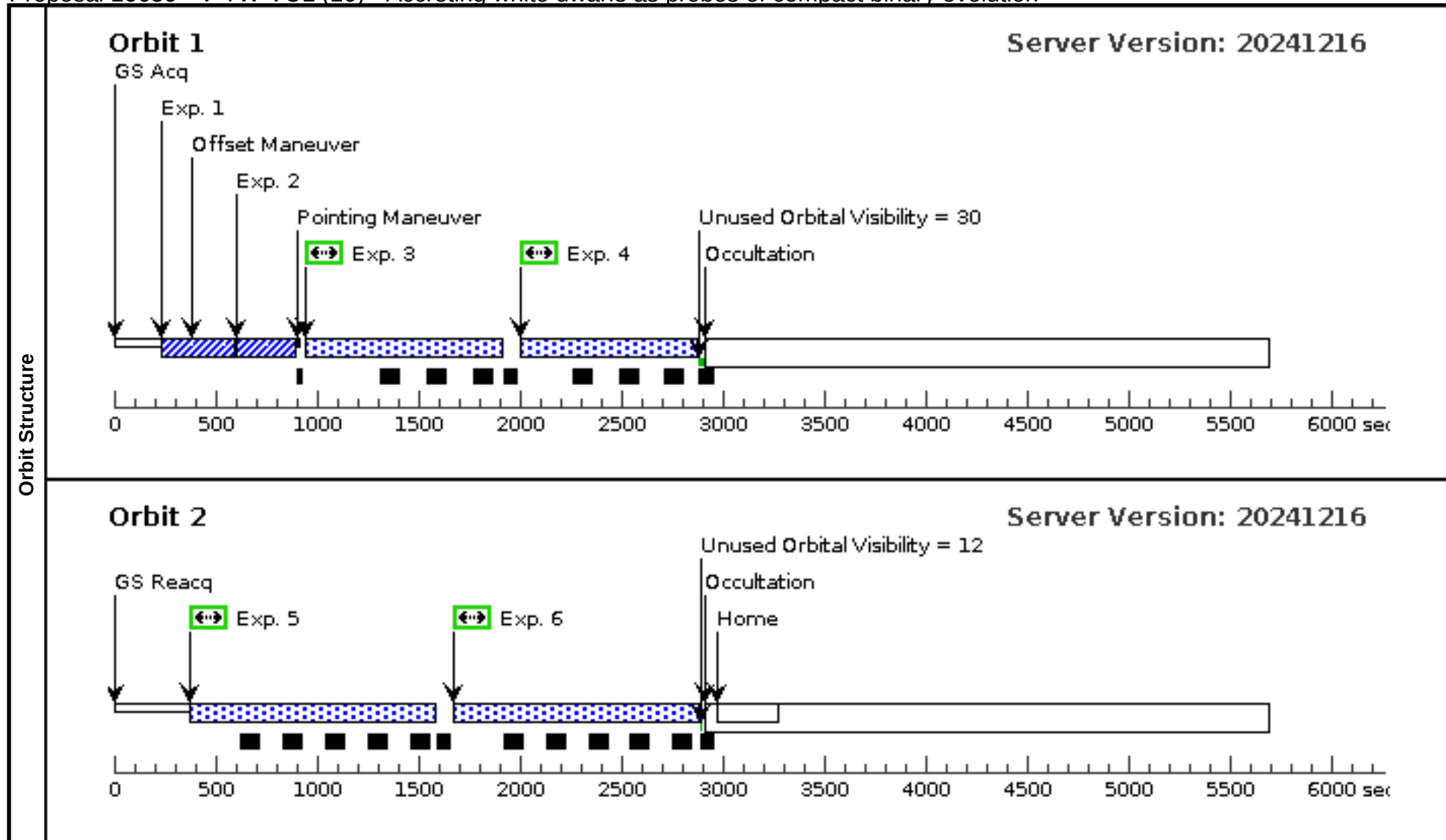


Proposal 16659 - V-TW-VUL (16) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-TW-VUL (16), completed Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 95D TO 325 D; BETWEEN 01-JUN-2024:00:00:00 AND 30-JUN-2024:00:00:00 Comments: This should be scheduled in the evening local time on a thursday or firday. Flags need to be cleared during the work day. Weekends and holidays are to be avoided since the CS must clear the target within 24 hours of HST execution				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(16)	V-TW-VUL	RA: 20 39 34.4764 (309.8936517d) Dec: +27 15 55.58 (27.26544d) Equinox: J2000	Proper Motion RA: -6.29881658244523 mas/yr Proper Motion Dec: -17.043417179530948 mas/yr Parallax: 0.001963721693763936" Epoch of Position: 2016.0	V=16.1 NUV=17.26, Gaia EDR3 1856408770857725 184, G=17.2, parallax=1.96(6) mas.
Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-TW-VUL (16) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1895766)	(16) V-TW-VUL	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V16S AF		28 Secs (28 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=35000K, scaled to NUV=18 (to be conservative, NUV=17.2 from Galax observations in possible quiecence)</i>									
	2	ACQ/PEAK D (1895766)	(16) V-TW-VUL	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V16S AF		28 Secs (28 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=35000K, scaled to NUV=18 (to be conservative, NUV=17.2 from Galax observations in possible quiecence)</i>									
	3	FP-POS=1 (1528024)	(16) V-TW-VUL	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=22 9; LIFETIME-POS=L P3	USE OFFSET V16S AF		812 Secs (812 Secs) [==>]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent state).</i>									
Exposures	4	FP-POS=2 (1528024)	(16) V-TW-VUL	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=22 6; LIFETIME-POS=L P3	USE OFFSET V16S AF		813 Secs (813 Secs) [==>]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent state).</i>									
	5	FP-POS=3 (1528024)	(16) V-TW-VUL	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=20 9; LIFETIME-POS=L P3	USE OFFSET V16S AF		1155 Secs (1155 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent state).</i>									
	6	FP-POS=4 (1528024)	(16) V-TW-VUL	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=20 9; LIFETIME-POS=L P3	USE OFFSET V16S AF		1156 Secs (1156 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent state).</i>									
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent state).</i>									



Proposal 16659 - S/C visit for Visit 16 (1M) - Accreting white dwarfs as probes of compact binary evolution

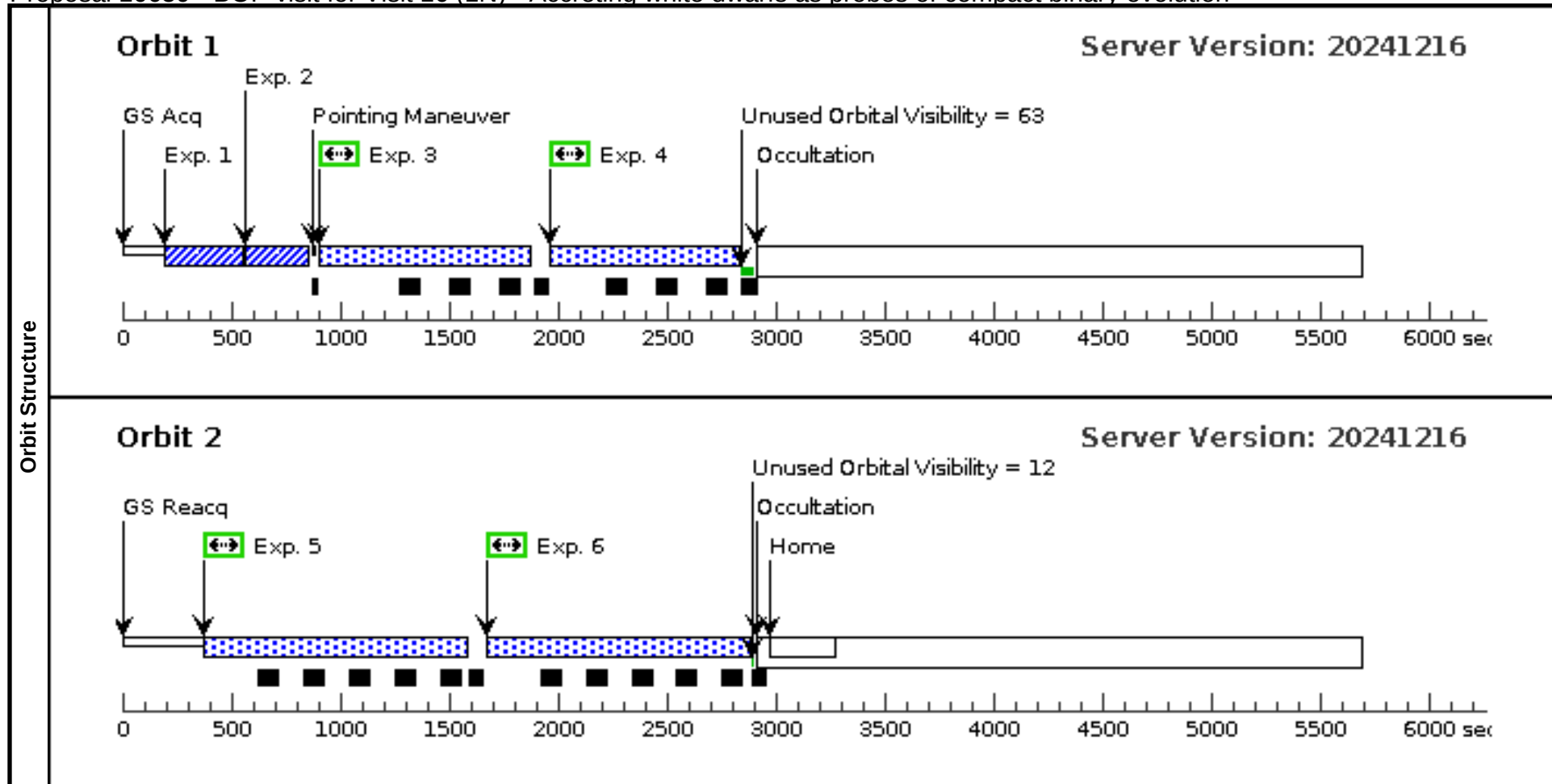
Visit	Proposal 16659, S/C visit for Visit 16 (1M), completed										Fri Apr 04 16:01:42 GMT 2025
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: S/C										
	Special Requirements: SCHED 100%; ORIENT 95D TO 325 D										
Comments: This visit allocates and sets up the safe position offset slot for visit 16 which will use that slot. This S/C visit should go 3-5 days before visit 16 The S/C visit will contain only 1 exposure											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(16)	V-TW-VUL	RA: 20 39 34.4764 (309.8936517d) Dec: +27 15 55.58 (27.26544d) Equinox: J2000	Proper Motion RA: -6.29881658244523 mas/yr Proper Motion Dec: -17.043417179530948 mas/yr Parallax: 0.001963721693763936" Epoch of Position: 2016.0		V=16.1 NUV=17.26, Gaia EDR3 1856408770857725184, G=17.2, parallax=1.96(6) mas.		Reference Frame: ICRS			
	Comments:										
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(16) V-TW-VUL	S/C, DATA, V1			POS TARG 229.132 8,-241.0575; SAVE OFFSET V16 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 257.5; QESIPARM DIST 9.709		5 Secs (5 Secs) [==>]		
											[1]
Orbit Structure	Orbit 1 Server Version: 20241216 Exp. 1 GS Acq Unused Orbital Visibility = 2525 Occultation										

Proposal 16659 - BOP visit for Visit 16 (1N) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for Visit 16 (1N), withdrawn Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 95D TO 325 D; BETWEEN 01-JUN-2024:00:00:00 AND 30-JUN-2024:00:00:00 <i>Comments: This visit is for BOP checking the safe target only and should not execute onboard HST</i>				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(16)	V-TW-VUL	RA: 20 39 34.4764 (309.8936517d) Dec: +27 15 55.58 (27.26544d) Equinox: J2000	Proper Motion RA: -6.29881658244523 mas/yr Proper Motion Dec: -17.043417179530948 mas/yr Parallax: 0.001963721693763936" Epoch of Position: 2016.0	V=16.1 NUV=17.26, Gaia EDR3 1856408770857725 184, G=17.2, parallax=1.96(6) mas.
Fixed Targets	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(104)	V-TW-VUL-SAFE-TARGET	Offset from V-TW-VUL RA Offset: -0.71 Secs Dec Offset: -2.1 Arcsec	V=16.1	Offset Position (V-TW-VUL-SAFE-TARGET)
Fixed Targets	<i>Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.709 arcsec away at PA 257.5 degrees from V-TW-VUL</i> Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

Proposal 16659 - BOP visit for Visit 16 (1N) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1895766)	(104) V-TW-VUL-S AFE-TARGET	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			28 Secs (28 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=35000K, scaled to NUV=18 (to be conservative, NUV=17.2 from Galax observations in possible quiecence)</i>									
	2	ACQ/PEAK D (1895766)	(104) V-TW-VUL-S AFE-TARGET	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			28 Secs (28 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=35000K, scaled to NUV=18 (to be conservative, NUV=17.2 from Galax observations in possible quiecence)</i>									
	3	FP-POS=1 (1528024)	(104) V-TW-VUL-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=22 9; LIFETIME-POS=L P3			812 Secs (812 Secs) [==>]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent state).</i>									
	4	FP-POS=2 (1528024)	(104) V-TW-VUL-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=22 6; LIFETIME-POS=L P3			813 Secs (813 Secs) [==>]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent state).</i>									
	5	FP-POS=3 (1528024)	(104) V-TW-VUL-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=20 9; LIFETIME-POS=L P3			1155 Secs (1155 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent state).</i>									
	6	FP-POS=4 (1528024)	(104) V-TW-VUL-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=20 9; LIFETIME-POS=L P3			1156 Secs (1156 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent state).</i>									

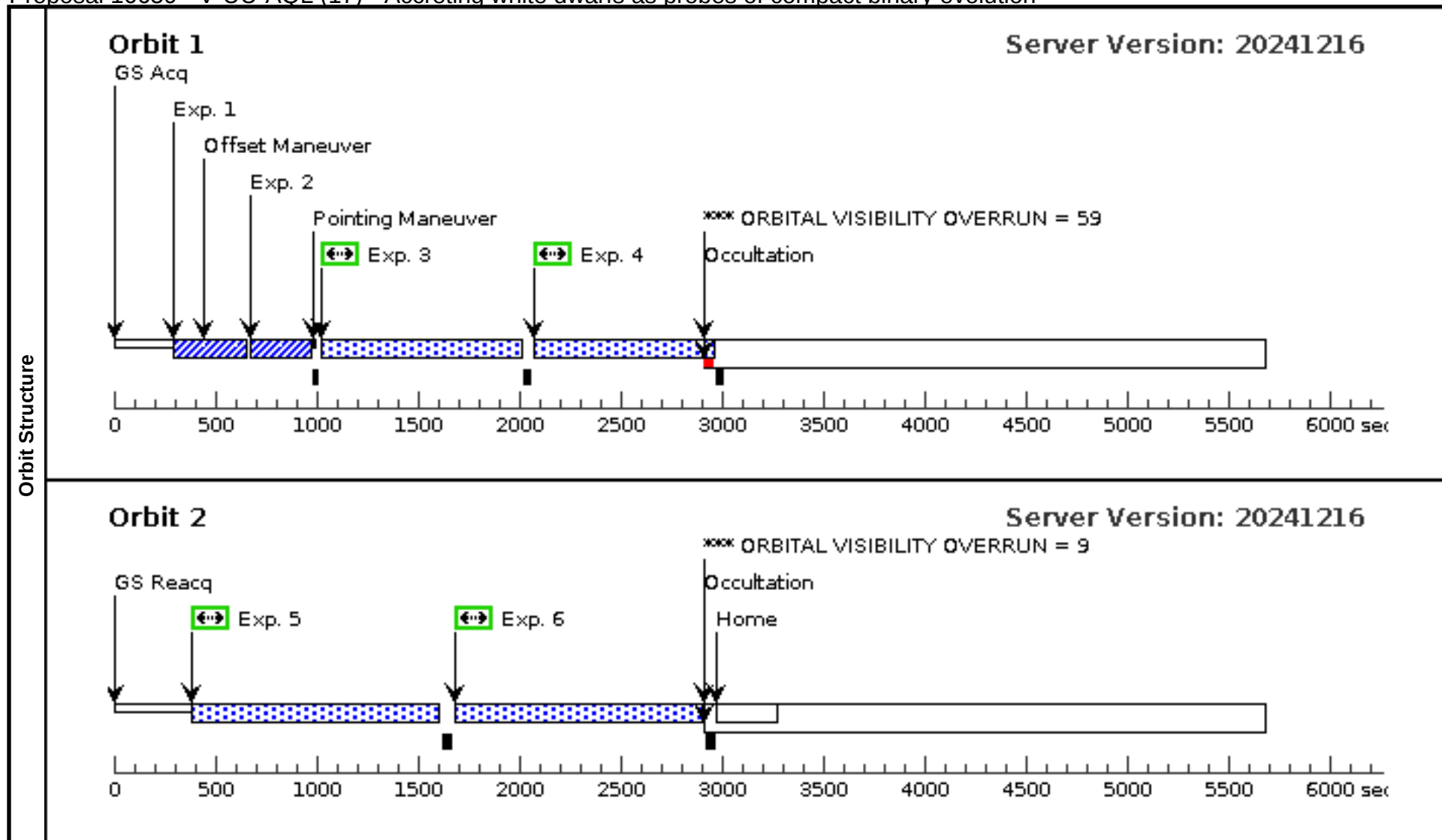


Proposal 16659 - V-UU-AQL (17) - Accreting white dwarfs as probes of compact binary evolution

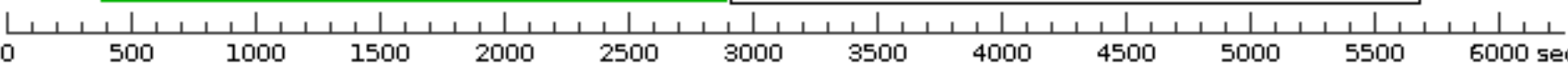
Visit	Proposal 16659, V-UU-AQL (17), completed Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 325D TO 160 D; BETWEEN 01-AUG-2022:00:00:00 AND 31-AUG-2022:00:00:00 <i>Comments: This should be scheduled in the evening local time on a Thursday or Friday as flags need to be cleared during the day.</i>				
Diagnostics	(V-UU-AQL (17)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE (V-UU-AQL (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-UU-AQL (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (ACQ/PEAKXD (17.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(17)	V-UU-AQL	RA: 19 57 18.8157 (299.3283987d) Dec: -09 19 21.44 (-9.32262d) Equinox: J2000	Proper Motion RA: 46.331340389465716 mas/yr Proper Motion Dec: -23.488573633793983 mas/yr Parallax: 0.0032290512997004187" Epoch of Position: 2016.0	V=16.3 FUV=17.1, NUV=17.2, Gaia EDR3 4192167185053426 560, G= 16.1, parallax=3.23(9) mas.
Fixed Targets	Miscellaneous Reference Frame: ICRS				
	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				

Proposal 16659 - V-UU-AQL (17) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1528046)	(17) V-UU-AQL	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V17S AF; GS ACQ SCENARI O BASE1BE		30 Secs (30 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=30000K, scaled to FUV=17.5 (as measured from FUSE quiescent data).</i>									
	2	ACQ/PEAK D (1528046)	(17) V-UU-AQL	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V17S AF		30 Secs (30 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=30000K, scaled to FUV=17.5 (as measured from FUSE quiescent data).</i>									
	3	FP-POS=1 (1528051)	(17) V-UU-AQL	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=43 66; LIFETIME-POS=L P3	USE OFFSET V17S AF		833 Secs (833 Secs) [==>]	[1]
	4	FP-POS=2 (1528051)	(17) V-UU-AQL	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=43 66; LIFETIME-POS=L P3	USE OFFSET V17S AF		833 Secs (833 Secs) [==>]	[1]
	5	FP-POS=3 (1528051)	(17) V-UU-AQL	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=43 66; LIFETIME-POS=L P3	USE OFFSET V17S AF		1171 Secs (1171 Secs) [==>]	[2]
	6	FP-POS=4 (1528051)	(17) V-UU-AQL	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=43 66; LIFETIME-POS=L P3	USE OFFSET V17S AF		1171 Secs (1171 Secs) [==>]	[2]



Proposal 16659 - S/C visit for visit 17 (1O) - Accreting white dwarfs as probes of compact binary evolution

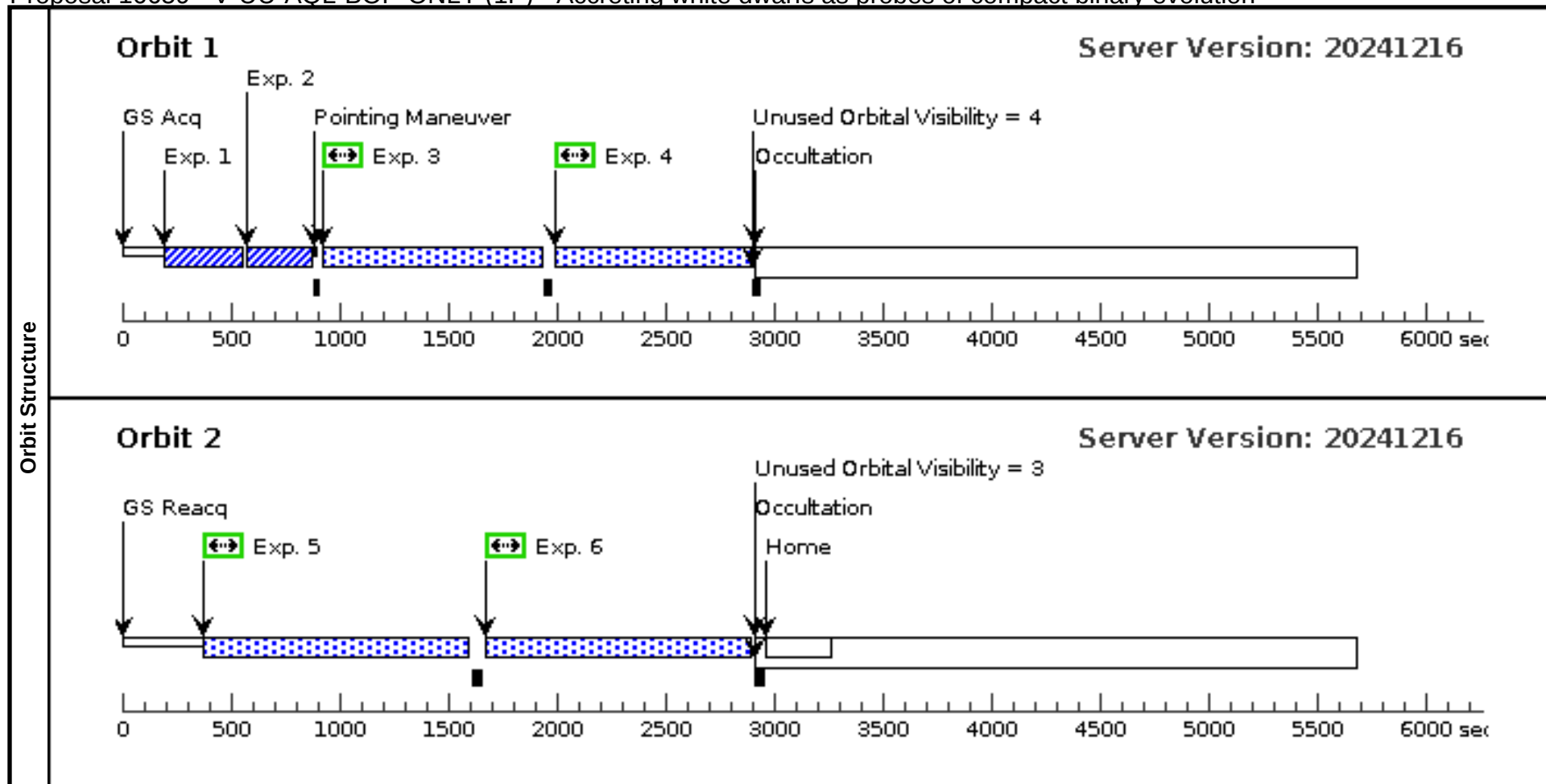
Visit	Proposal 16659, S/C visit for visit 17 (1O), completed					Fri Apr 04 16:01:42 GMT 2025					
	Diagnostic Status: No Diagnostics										
Scientific Instruments: S/C											
Special Requirements: SCHED 100%; ORIENT 325D TO 160 D											
Comments: This visit allocates and sets up the safe position offset slot for visit 17 which will use that slot. This S/C visit should go earlier in the week while visit 17 will be at least 3 days later. The S/C visit will contain only 1 exposure.											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(17)	V-UU-AQL	RA: 19 57 18.8157 (299.3283987d) Dec: -09 19 21.44 (-9.32262d) Equinox: J2000	Proper Motion RA: 46.331340389465716 mas/yr Proper Motion Dec: -23.488573633793983 mas/yr Parallax: 0.0032290512997004187" Epoch of Position: 2016.0	V=16.3 FUV=17.1, NUV=17.2, Gaia EDR3 4192167185053426 560, G= 16.1, parallax=3.23(9) mas.	Reference Frame: ICRS					
Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1		(17) V-UU-AQL	S/C, DATA, V1			POS TARG 229.132 8,-241.0575; SAVE OFFSET V17 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGL E 107.7; QESIPARM DIST 9.533		5 Secs (5 Secs) [==>]	[1]	
Orbit Structure	Orbit 1										Server Version: 20241216
	GS Acq Unused Orbital Visibility = 2528 Exp. 1 Occultation  050010001500200025003000350040004500500055006000 sec										

Proposal 16659 - V-UU-AQL-BOP-ONLY (1P) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-UU-AQL-BOP-ONLY (1P), withdrawn Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 325D TO 160 D; BETWEEN 01-AUG-2022:00:00:00 AND 31-AUG-2022:00:00:00 <i>Comments: This visit is for BOP checking the safe target only and should not execute on board HST</i>				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(17)	V-UU-AQL	RA: 19 57 18.8157 (299.3283987d) Dec: -09 19 21.44 (-9.32262d) Equinox: J2000	Proper Motion RA: 46.331340389465716 mas/yr Proper Motion Dec: -23.488573633793983 mas/yr Parallax: 0.0032290512997004187" Epoch of Position: 2016.0	V=16.3 FUV=17.1, NUV=17.2, Gaia EDR3 4192167185053426 560, G= 16.1, parallax=3.23(9) mas.
Fixed Targets	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(84)	V-UU-AQL-SAFE-TARGET	Offset from V-UU-AQL RA Offset: 0.61 Secs Dec Offset: -2.906 Arcsec	V=16.3	Offset Position (V-UU-AQL-SAFE-TARGET)
Fixed Targets	<i>Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.533" away at PA 107.7 deg from V-UU-AQL</i> Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

Proposal 16659 - V-UU-AQL-BOP-ONLY (1P) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1528046)	(84) V-UU-AQL-SA FE-TARGET	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			30 Secs (30 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=30000K, scaled to FUV=17.5 (as measured from FUSE quiescent data).</i>									
	2	ACQ/PEAK D (1528046)	(84) V-UU-AQL-SA FE-TARGET	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			30 Secs (30 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD spectrum with Teff=30000K, scaled to FUV=17.5 (as measured from FUSE quiescent data).</i>									
	3	FP-POS=1 (1528051)	(84) V-UU-AQL-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=43 66; LIFETIME-POS=L P3			850 Secs (850 Secs) [==>]	[1]
	4	FP-POS=2 (1528051)	(84) V-UU-AQL-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=43 66; LIFETIME-POS=L P3			849 Secs (849 Secs) [==>]	[1]
	5	FP-POS=3 (1528051)	(84) V-UU-AQL-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=43 66; LIFETIME-POS=L P3			1171 Secs (1171 Secs) [==>]	[2]
	6	FP-POS=4 (1528051)	(84) V-UU-AQL-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=43 66; LIFETIME-POS=L P3			1171 Secs (1171 Secs) [==>]	[2]



Proposal 16659 - SDSS-J204448.92-045928.8 (18) - Accreting white dwarfs as probes of compact binary evolution

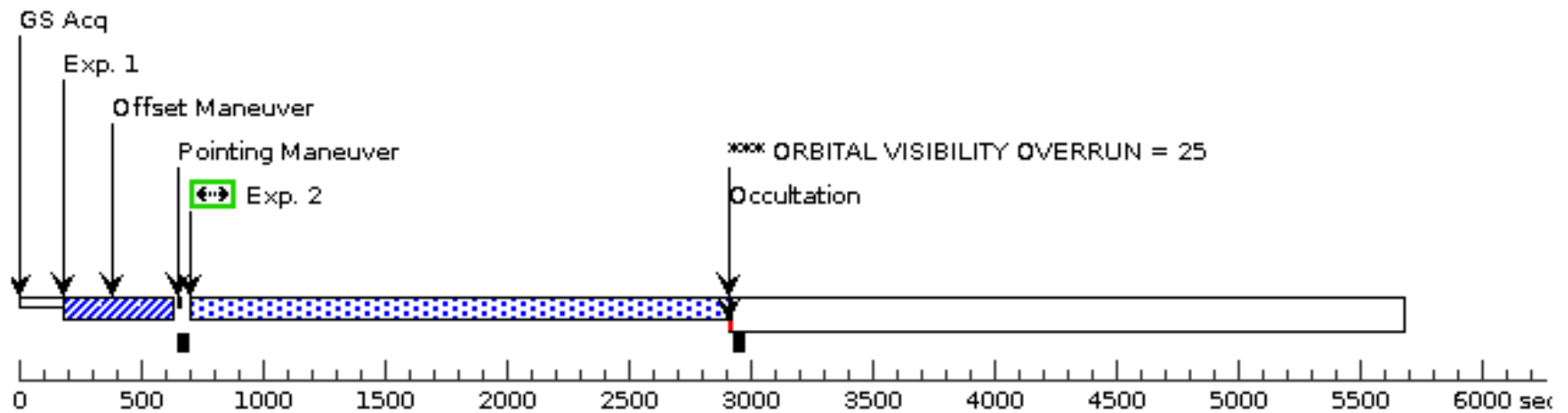
Visit	Proposal 16659, SDSS-J204448.92-045928.8 (18), completed Fri Apr 04 16:01:42 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 85D TO 300 D; BETWEEN 01-JUL-2022:00:00:00 AND 31-JUL-2022:00:00:00 <i>Comments: This should be scheduled in evening local time on a Thursday or Friday.</i>					
Diagnostics	(SDSS-J204448.92-045928.8 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(18)	SDSS-J204448.92-045928.8	RA: 20 44 48.9223 (311.2038429d) Dec: -04 59 28.82 (-4.99134d) Equinox: J2000	Proper Motion RA: -0.24743597048765414 mas/yr Proper Motion Dec: -0.967558615734211 mas/yr Parallax: 4.8515943106446785E-4" Epoch of Position: 2016.0	V=16.01 FUV=19.3, NUV=19.0, Gaia EDR3 6914363228723335 296, G=16.4, parallax =0.48(5) mas.	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - SDSS-J204448.92-045928.8 (18) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1530356)	(18) SDSS-J204448. 92-045928.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V18S AF		82 Secs (82 Secs) [==>]	[1]
	Comments: Computed assuming a WD model with $T_{\text{eff}}=30000\text{K}$, scaled to $\text{NUV} = 19.07$ (from <i>Galex</i> quiescence observations). The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding the count rate per pixel in case the system is brighter than expected (but still safe for the detector).									
	2	FP-POS=1 (1528057)	(18) SDSS-J204448. 92-045928.8	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=79 38; LIFETIME-POS=L P3	USE OFFSET V18S AF		2011 Secs (2011 Secs) [==>]	[1]
	3	FP-POS=2 (1528057)	(18) SDSS-J204448. 92-045928.8	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=79 38; LIFETIME-POS=L P3	USE OFFSET V18S AF		2462 Secs (2462 Secs) [==>]	[2]
	4	FP-POS=3 (1528057)	(18) SDSS-J204448. 92-045928.8	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=79 38; LIFETIME-POS=L P3	USE OFFSET V18S AF		2462 Secs (2462 Secs) [==>]	[3]
	5	FP-POS=4 (1528057)	(18) SDSS-J204448. 92-045928.8	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=79 38; LIFETIME-POS=L P3	USE OFFSET V18S AF		2462 Secs (2462 Secs) [==>]	[4]

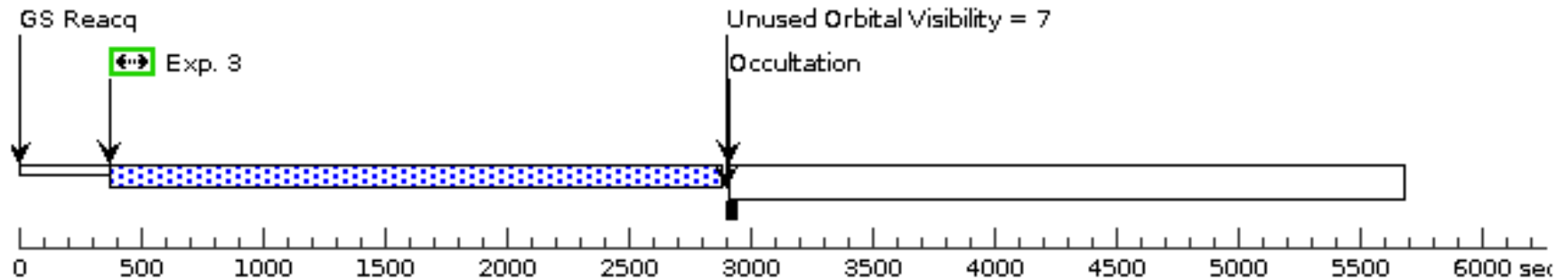
Orbit 1

Server Version: 20241216



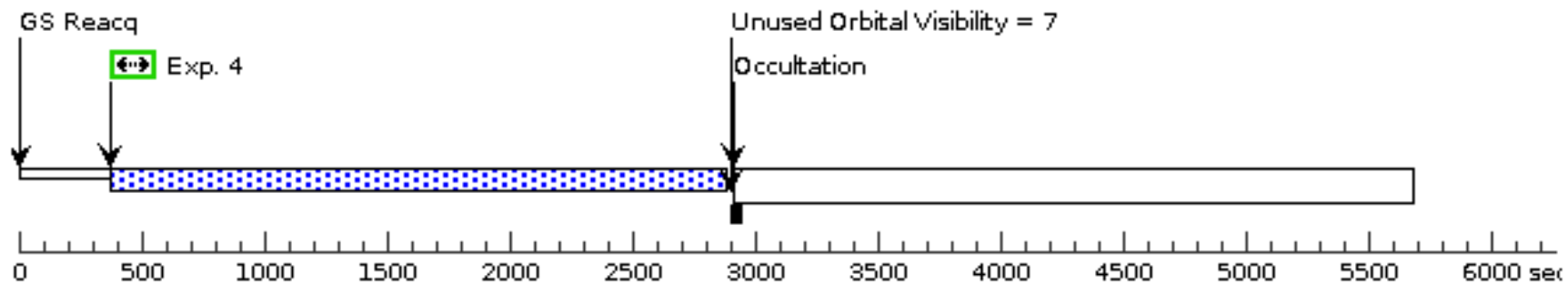
Orbit 2

Server Version: 20241216



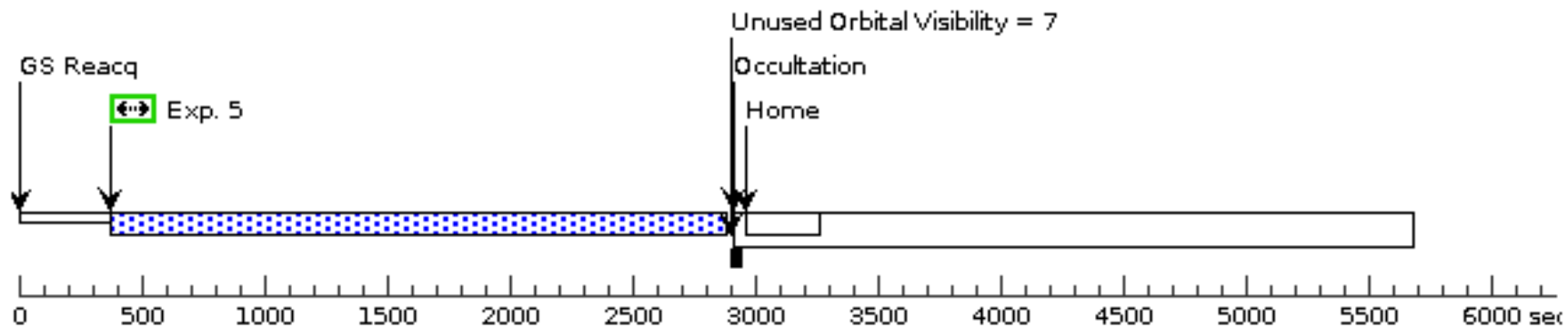
Orbit 3

Server Version: 20241216



Orbit 4

Server Version: 20241216



Proposal 16659 - S/C visit for visit 18 (1Q) - Accreting white dwarfs as probes of compact binary evolution

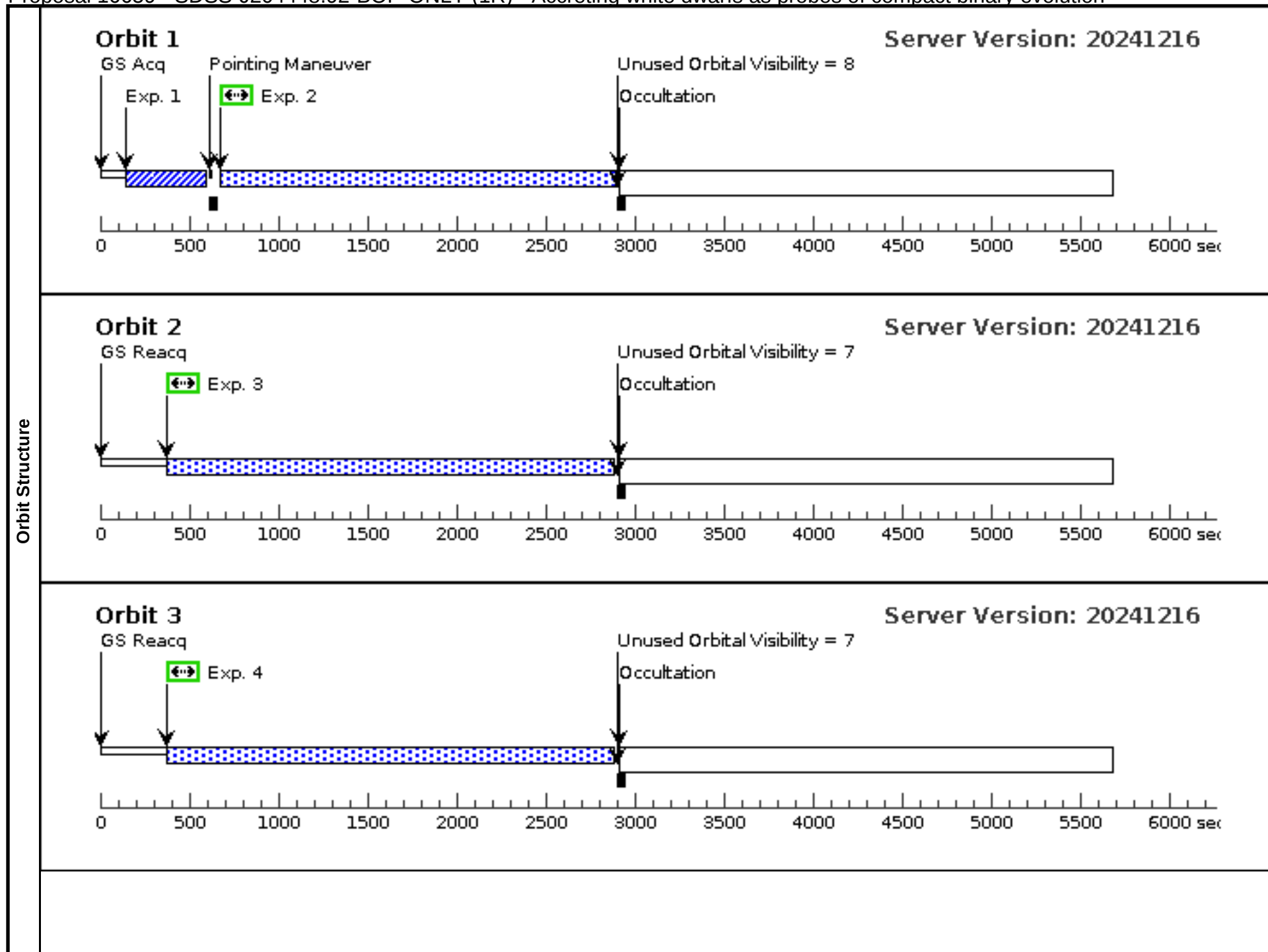
Visit	Proposal 16659, S/C visit for visit 18 (1Q), completed					Fri Apr 04 16:01:42 GMT 2025					
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: S/C										
	Special Requirements: SCHED 100%; ORIENT 85D TO 300 D										
	Comments: This visit allocates and sets up the safe position offset slot for visit 18 which will use that slot. This S/C visit should go earlier in the week while visit 18 will be at least 3 days later. The S/C visit will contain only 1 exposure										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(18)	SDSS-J204448.92-045928.8	RA: 20 44 48.9223 (311.2038429d) Dec: -04 59 28.82 (-4.99134d) Equinox: J2000	Proper Motion RA: -0.24743597048765414 mas/yr Proper Motion Dec: -0.967558615734211 mas/yr Parallax: 4.8515943106446785E-4" Epoch of Position: 2016.0	V=16.01 FUV=19.3, NUV=19.0, Gaia EDR3 6914363228723335296, G=16.4, parallax =0.48(5) mas.	Reference Frame: ICRS					
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1		(18) SDSS-J204448.92-045928.8	S/C, DATA, V1			POS TARG 232.723, -237.515; SAVE OFFSET V18 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 239.3; QESIPARM DIST 9.726		5 Secs (5 Secs) [==>]	[1]	
Orbit Structure	Orbit 1										Server Version: 20241216
	GS Acq Unused Orbital Visibility = 2528 Occultation Exp. 1 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec										

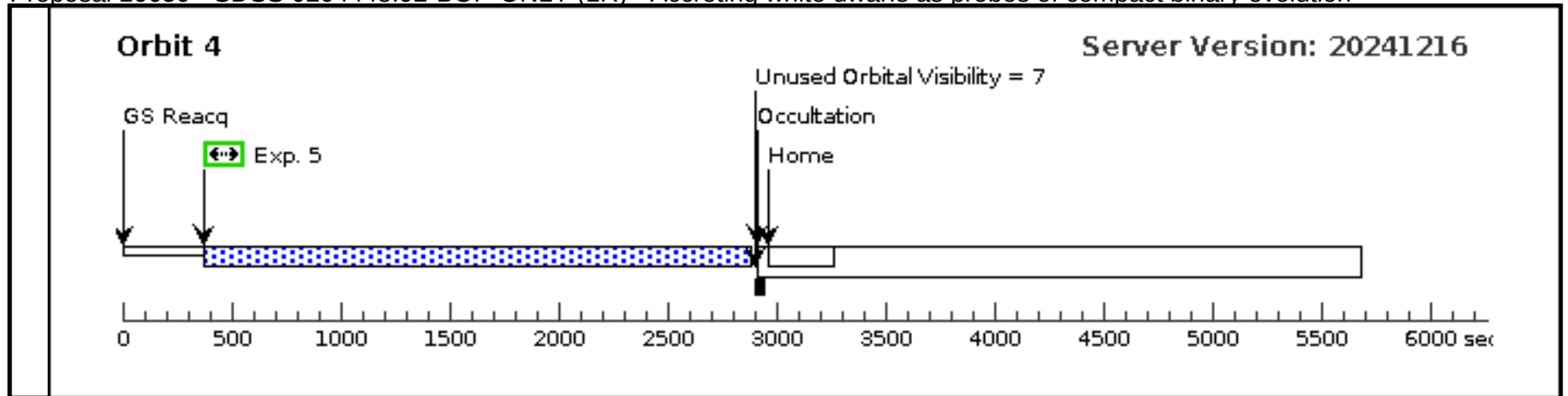
Proposal 16659 - SDSS-J204448.92-BOP-ONLY (1R) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, SDSS-J204448.92-BOP-ONLY (1R), withdrawn					Fri Apr 04 16:01:42 GMT 2025
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT 85D TO 300 D; BETWEEN 01-JUL-2022:00:00:00 AND 31-JUL-2022:00:00:00					
	Comments: This is for BOP checking the safe target only and should note execute onboard HST					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(18)	SDSS-J204448.92-045928.8	RA: 20 44 48.9223 (311.2038429d) Dec: -04 59 28.82 (-4.99134d) Equinox: J2000	Proper Motion RA: -0.24743597048765414 mas/yr Proper Motion Dec: -0.967558615734211 mas/yr Parallax: 4.8515943106446785E-4" Epoch of Position: 2016.0	V=16.01 FUV=19.3, NUV=19.0, Gaia EDR3 6914363228723335 296, G=16.4, parallax =0.48(5) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					
	(83)	SDSS-J204448.92-SAFE-TARGET	Offset from SDSS-J204448.92-045928.8 RA Offset: -0.55 Secs Dec Offset: -4.969 Arcsec		V=16.01	Offset Position (SDSS-J204448.92-SAFE-TARGET)
	Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.726" away at PA 239.3 degrees from SDSS-J204448.92-045928.8 Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO					

Proposal 16659 - SDSS-J204448.92-BOP-ONLY (1R) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ/IMAG E (1530356)	(83) SDSS-J204448. 92-SAFE-TARGET	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				82 Secs (82 Secs)		
									[==>]		[1]
	Comments: Computed assuming a WD model with $T_{\text{eff}}=30000\text{K}$, scaled to $\text{NUV} = 19.07$ (from <i>Galex</i> quiescence observations). The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding the count rate per pixel in case the system is brighter than expected (but still safe for the detector).										
	2	FP-POS=1 (1528057)	(83) SDSS-J204448. 92-SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=79 38; LIFETIME-POS=L P3			2011 Secs (2011 Secs)		
									[==>]		[1]
	3	FP-POS=2 (1528057)	(83) SDSS-J204448. 92-SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=79 38; LIFETIME-POS=L P3			2462 Secs (2462 Secs)		
									[==>]		[2]
	4	FP-POS=3 (1528057)	(83) SDSS-J204448. 92-SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=79 38; LIFETIME-POS=L P3			2462 Secs (2462 Secs)		
									[==>]		[3]
	5	FP-POS=4 (1528057)	(83) SDSS-J204448. 92-SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=79 38; LIFETIME-POS=L P3			2462 Secs (2462 Secs)		
									[==>]		[4]



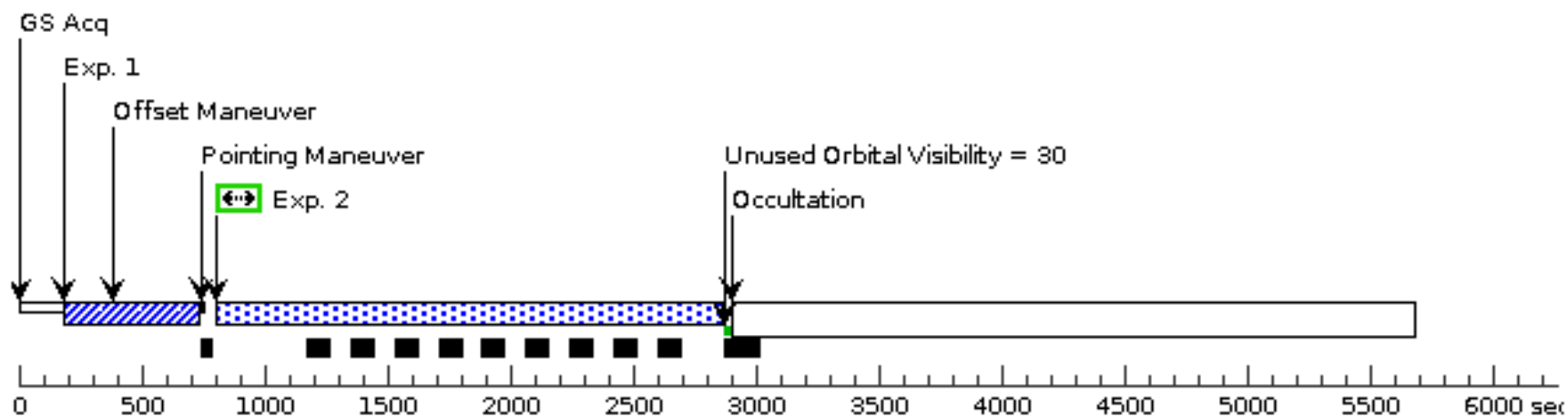


Proposal 16659 - SDSS-J080846.19+313106.0 (19) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, SDSS-J080846.19+313106.0 (19), completed										Fri Apr 04 16:01:42 GMT 2025		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: COS/FUV, COS/NUV												
	Special Requirements: SCHED 100%; ORIENT 245D TO 125 D; BETWEEN 01-APR-2023:00:00:00 AND 12-APR-2024:00:00:00; BETWEEN 20-APR-2024:00:00:00 AND 30-APR-2024:00:00:00												
Comments: This should be scheduled in evening local-time on a Thursday or Firday. Flags need to be cleared during the work day. Weekends & holidays are to be avoided since the CS must clear the target within 24 hours of HST execution.													
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(19)	SDSS-J080846.19+313106.0	RA: 08 08 46.1959 (122.1924829d) Dec: +31 31 5.92 (31.51831d) Equinox: J2000		Proper Motion RA: 3.4789579131485358 mas/yr Proper Motion Dec: -3.492091295713439 mas/yr Parallax: 5.650299060736959E-4" Epoch of Position: 2016.0		V=18.2 FUV=19.4, NUV=19.9, Gaia EDR3 877832117769627904, G=18.6, parallax=0.6(1) mas.		Reference Frame: ICRS				
	Comments:												
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	ACQ/IMAG E (1895739)	(19) SDSS-J080846.19+313106.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V19S AF		130 Secs (130 Secs)				
										[==>]	[1]		
	Comments: Computed assuming a WD model with Teff=26000K, scaled to NUV = 19.9 (from Galex quiescence observations). The ETC returned 120s, adding 10 s to be a bit conservative.												
	2	FP-POS=1 (1528064)	(19) SDSS-J080846.19+313106.0	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=179; LIFETIME-POS=L P3	USE OFFSET V19S AF		1854 Secs (1854 Secs)				
										[==>]	[1]		
	3	FP-POS=2 (1528064)	(19) SDSS-J080846.19+313106.0	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=260; LIFETIME-POS=L P3	USE OFFSET V19S AF		2451 Secs (2451 Secs)				
										[==>]	[2]		
	4	FP-POS=3 (1528064)	(19) SDSS-J080846.19+313106.0	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=260; LIFETIME-POS=L P3	USE OFFSET V19S AF		2451 Secs (2451 Secs)				
									[==>]	[3]			
	5	FP-POS=4 (1528064)	(19) SDSS-J080846.19+313106.0	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=260; LIFETIME-POS=L P3	USE OFFSET V19S AF		2451 Secs (2451 Secs)				
									[==>]	[4]			

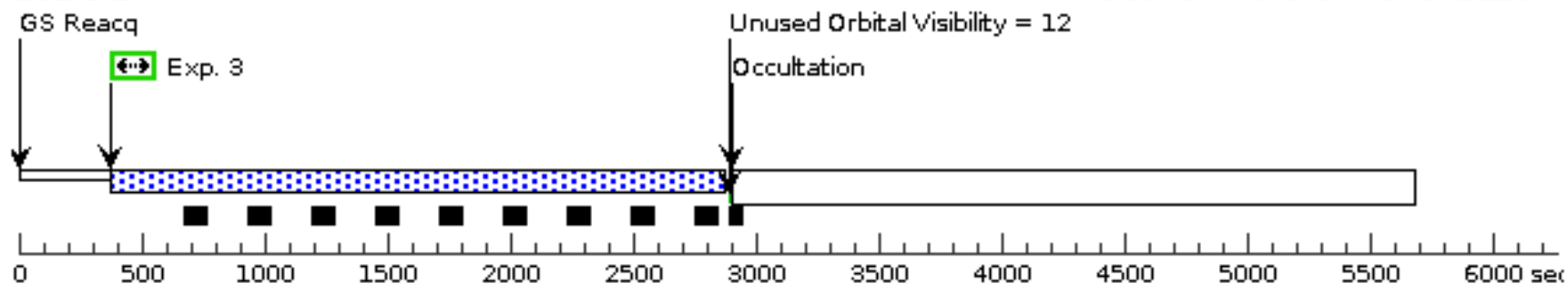
Orbit 1

Server Version: 20241216



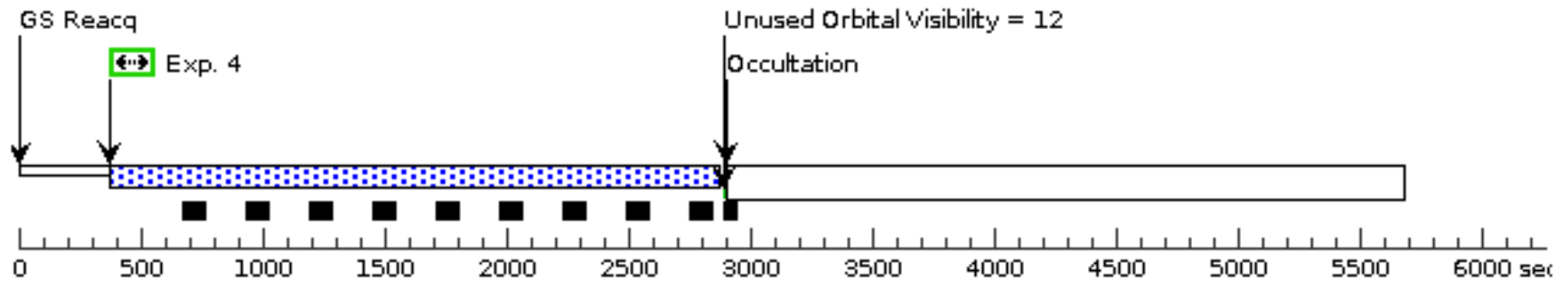
Orbit 2

Server Version: 20241216



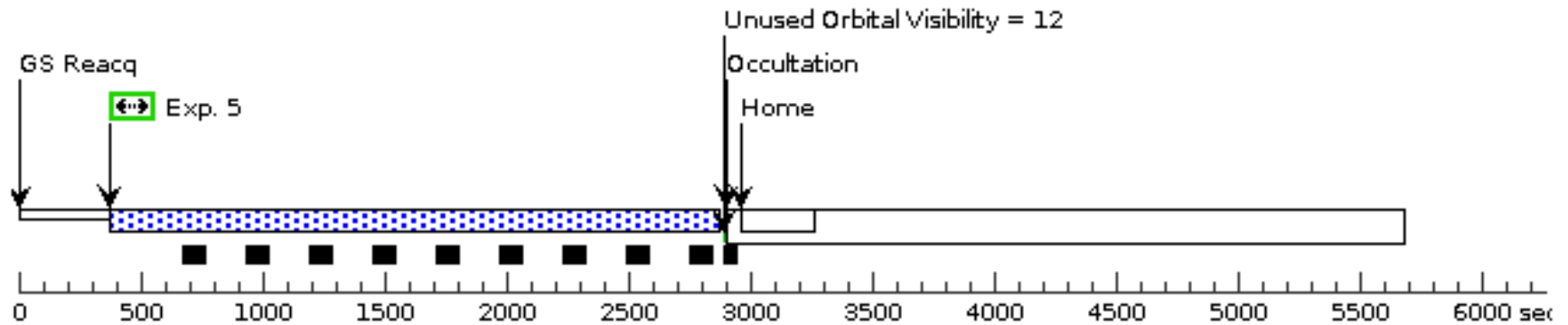
Orbit 3

Server Version: 20241216



Orbit 4

Server Version: 20241216



Proposal 16659 - S/C visit for visit 19 (1S) - Accreting white dwarfs as probes of compact binary evolution

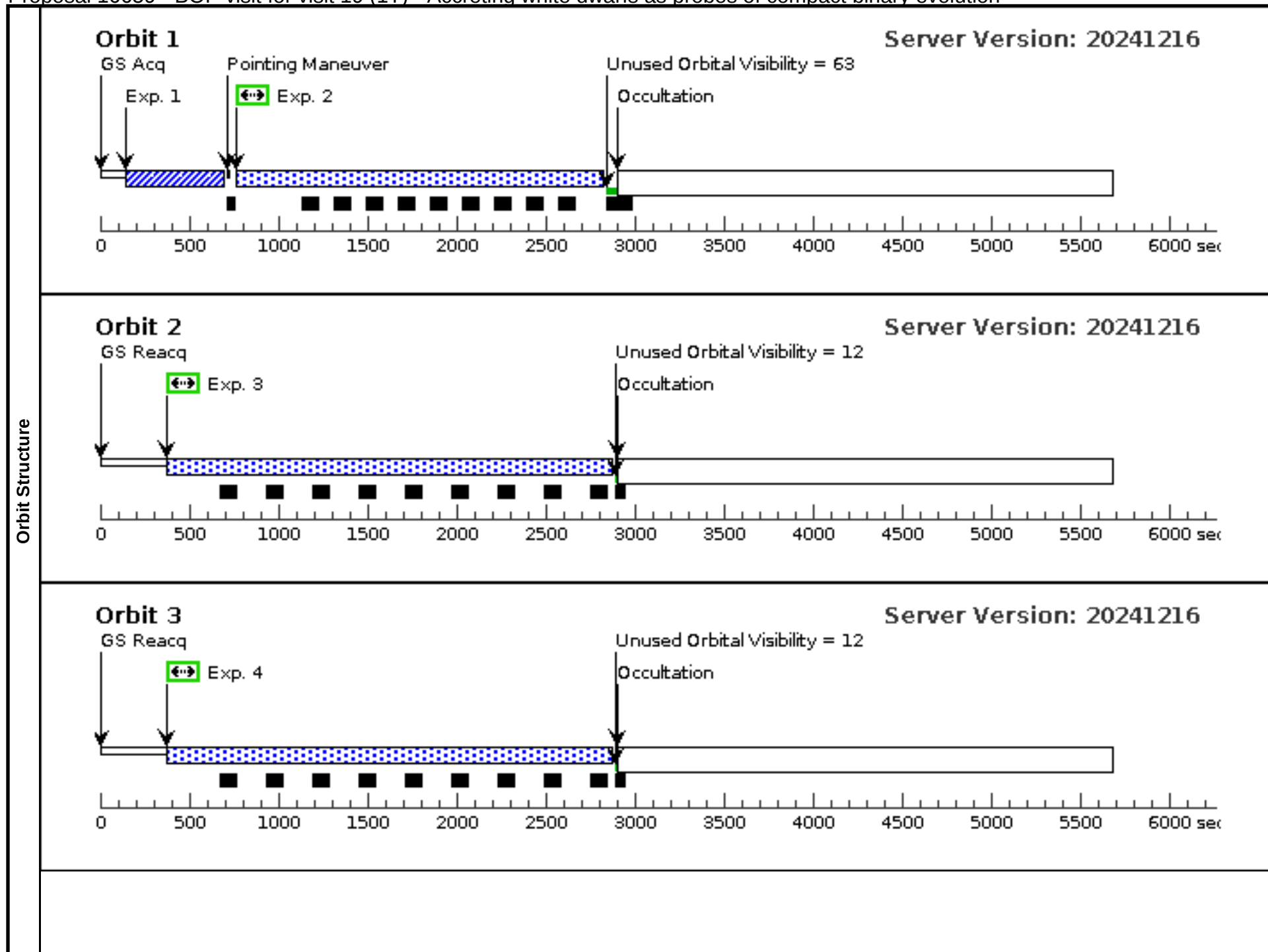
Visit	Proposal 16659, S/C visit for visit 19 (1S), completed										Fri Apr 04 16:01:42 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: S/C											
	Special Requirements: SCHED 100%; ORIENT 245D TO 125 D											
Comments: This visit allocates and sets up the safe position offset slot for visit 19 which will use that slot. This S/C visit should go 3-5 days before visit 19. The S/C visit will contain only 1 exposure												
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(19)	SDSS-J080846.19+313106.0	RA: 08 08 46.1959 (122.1924829d) Dec: +31 31 5.92 (31.51831d) Equinox: J2000		Proper Motion RA: 3.4789579131485358 mas/yr Proper Motion Dec: -3.492091295713439 mas/yr Parallax: 5.650299060736959E-4" Epoch of Position: 2016.0		V=18.2 FUV=19.4, NUV=19.9, Gaia EDR3 877832117769627904, G=18.6, parallax=0.6(1) mas.		Reference Frame: ICRS			
	Comments:											
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(19) SDSS-J080846.19+313106.0	S/C, DATA, V1			POS TARG 232.723 0,-237.5150; SAVE OFFSET V19 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 50.0; QESIPARM DIST 9.745		5 Secs (5 Secs) [=>]		[1]	
Orbit Structure	Orbit 1											Server Version: 20241216

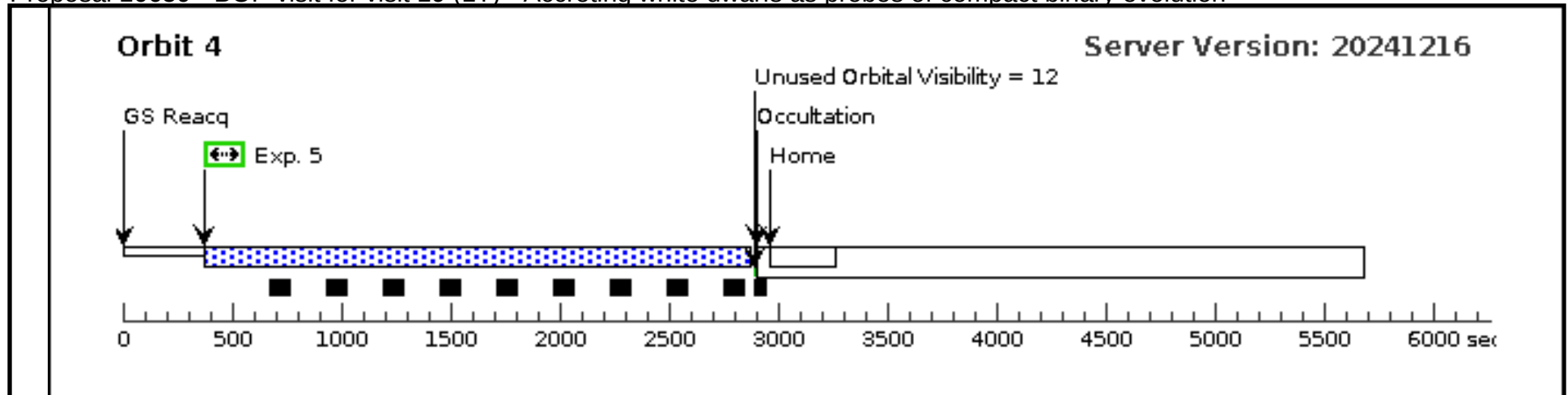
Proposal 16659 - BOP visit for visit 19 (1T) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for visit 19 (1T), withdrawn Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 245D TO 125 D; BETWEEN 01-APR-2023:00:00:00 AND 12-APR-2024:00:00:00; BETWEEN 20-APR-2024:00:00:00 AND 30-APR-2024:00:00:00 Comments: This visit is for BOP checking the safe target only and hould not execute onboard HST				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(19)	SDSS-J080846.19+313106.0	RA: 08 08 46.1959 (122.1924829d) Dec: +31 31 5.92 (31.51831d) Equinox: J2000	Proper Motion RA: 3.4789579131485358 mas/yr Proper Motion Dec: -3.492091295713439 mas/yr Parallax: 5.650299060736959E-4" Epoch of Position: 2016.0	V=18.2 FUV=19.4, NUV=19.9, Gaia EDR3 877832117769627904, G=18.6, parallax=0.6(1) mas.
Fixed Targets	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(101)	SDSS-J080846.19+31-SAFE-TARGET	Offset from SDSS-J080846.19+313106.0 RA Offset: 0.58 Secs Dec Offset: 6.261 Arcsec	V=18.2	Offset Position (SDSS-J080846.19+31-SAFE-TARGET)
Fixed Targets	Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.745 arcsec away at a PA 50.0 degrees from SDSS-J08084				
	Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

Proposal 16659 - BOP visit for visit 19 (1T) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1895739)	(101) SDSS-J080846 .19+31-SAFE-TAR GET	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				130 Secs (130 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD model with $T_{\text{eff}}=26000\text{K}$, scaled to $NUV = 19.9$ (from <i>Galex</i> quiescence observations). The ETC returned 120s, adding 10 s to be a bit conservative.</i>									
	2	FP-POS=1 (1528064)	(101) SDSS-J080846 .19+31-SAFE-TAR GET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=17 9; LIFETIME-POS=L P3			1854 Secs (1854 Secs) [==>]	[1]
	3	FP-POS=2 (1528064)	(101) SDSS-J080846 .19+31-SAFE-TAR GET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=26 0; LIFETIME-POS=L P3			2451 Secs (2451 Secs) [==>]	[2]
	4	FP-POS=3 (1528064)	(101) SDSS-J080846 .19+31-SAFE-TAR GET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=26 0; LIFETIME-POS=L P3			2451 Secs (2451 Secs) [==>]	[3]
	5	FP-POS=4 (1528064)	(101) SDSS-J080846 .19+31-SAFE-TAR GET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=26 0; LIFETIME-POS=L P3			2451 Secs (2451 Secs) [==>]	[4]



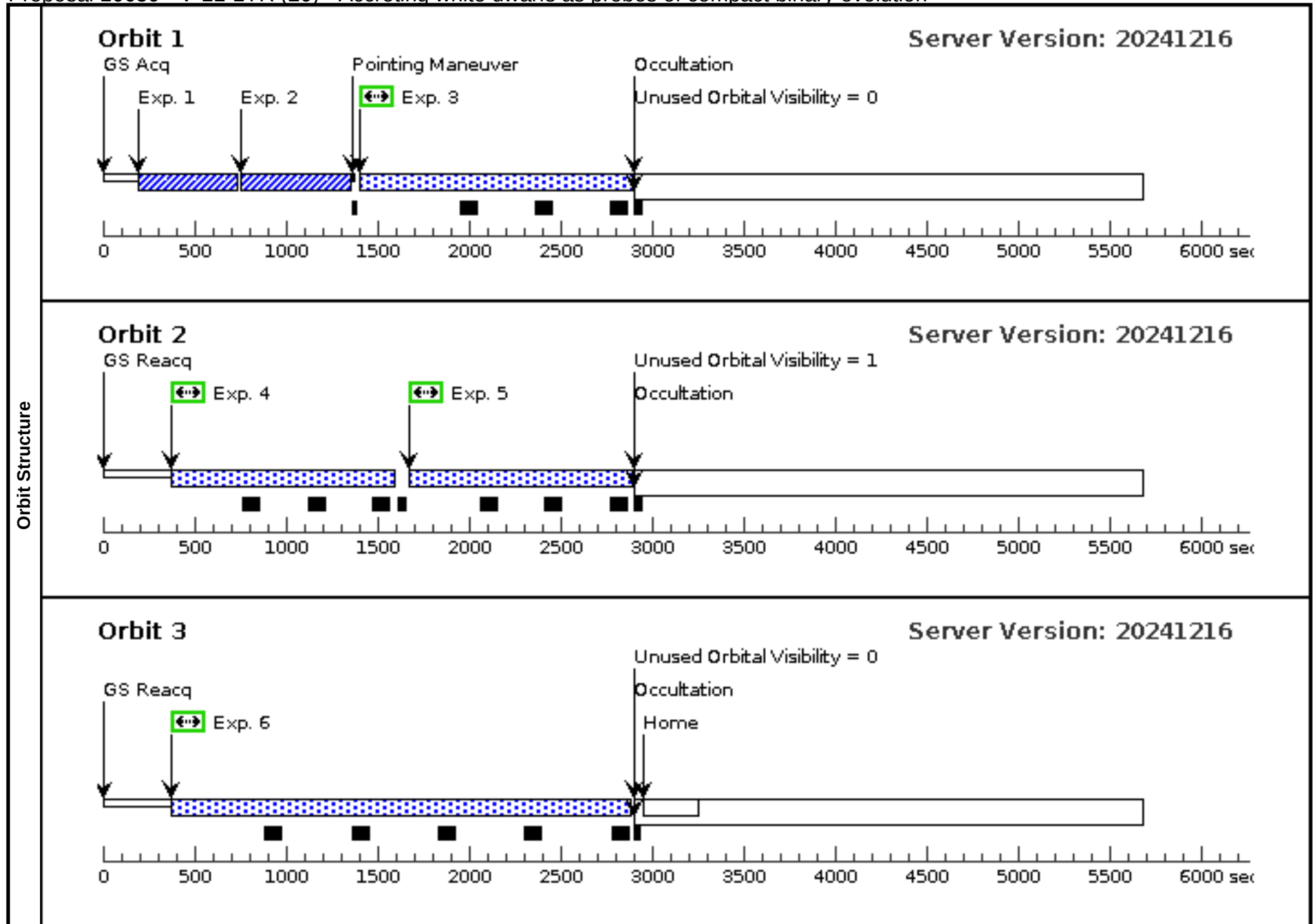


Proposal 16659 - V-LL-LYR (20) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-LL-LYR (20), implementation Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; BETWEEN 18-MAY-2025:00:00:00 AND 02-JUN-2025:00:00:00				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(20)	V-LL-LYR	RA: 18 35 12.8110 (278.8033792d) Dec: +38 20 4.22 (38.33451d) Equinox: J2000	Proper Motion RA: -5.892977038105109 mas/yr Proper Motion Dec: -7.856846564309298 mas/yr Parallax: 0.001185522968873011" Epoch of Position: 2016.0	V=18.5 Gaia EDR3 2097903507608061440, G=17.5, parallax=1.18(7) mas.
Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-LL-LYR (20) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1528116)	(20) V-LL-LYR	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			90 Secs (90 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with Teff=35000K, scaled to FUV=17.7 (as expected for the given distance to the system). The exposure time allows the acquisition in case the system is up to one magnitude fainter than expected.									
	2	ACQ/PEAK D (1528116)	(20) V-LL-LYR	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			90 Secs (90 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with Teff=35000K, scaled to FUV=17.7 (as expected for the given distance to the system). The exposure time allows the acquisition in case the system is up to one magnitude fainter than expected.									
	3	FP-POS=1 (1528122)	(20) V-LL-LYR	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=40 9; LIFETIME-POS=L P3			1339 Secs (1331 Secs) [==>1331.0 Secs]	[1]
	4	FP-POS=2 (1528122)	(20) V-LL-LYR	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=35 4; LIFETIME-POS=L P3			1174 Secs (1169 Secs) [==>1169.0 Secs]	[2]
	5	FP-POS=3 (1528122)	(20) V-LL-LYR	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=35 4; LIFETIME-POS=L P3			1173 Secs (1168 Secs) [==>1168.0 Secs]	[2]
	6	FP-POS=4 (1528122)	(20) V-LL-LYR	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=47 3; LIFETIME-POS=L P3			2471 Secs (2462 Secs) [==>2462.0 Secs]	[3]

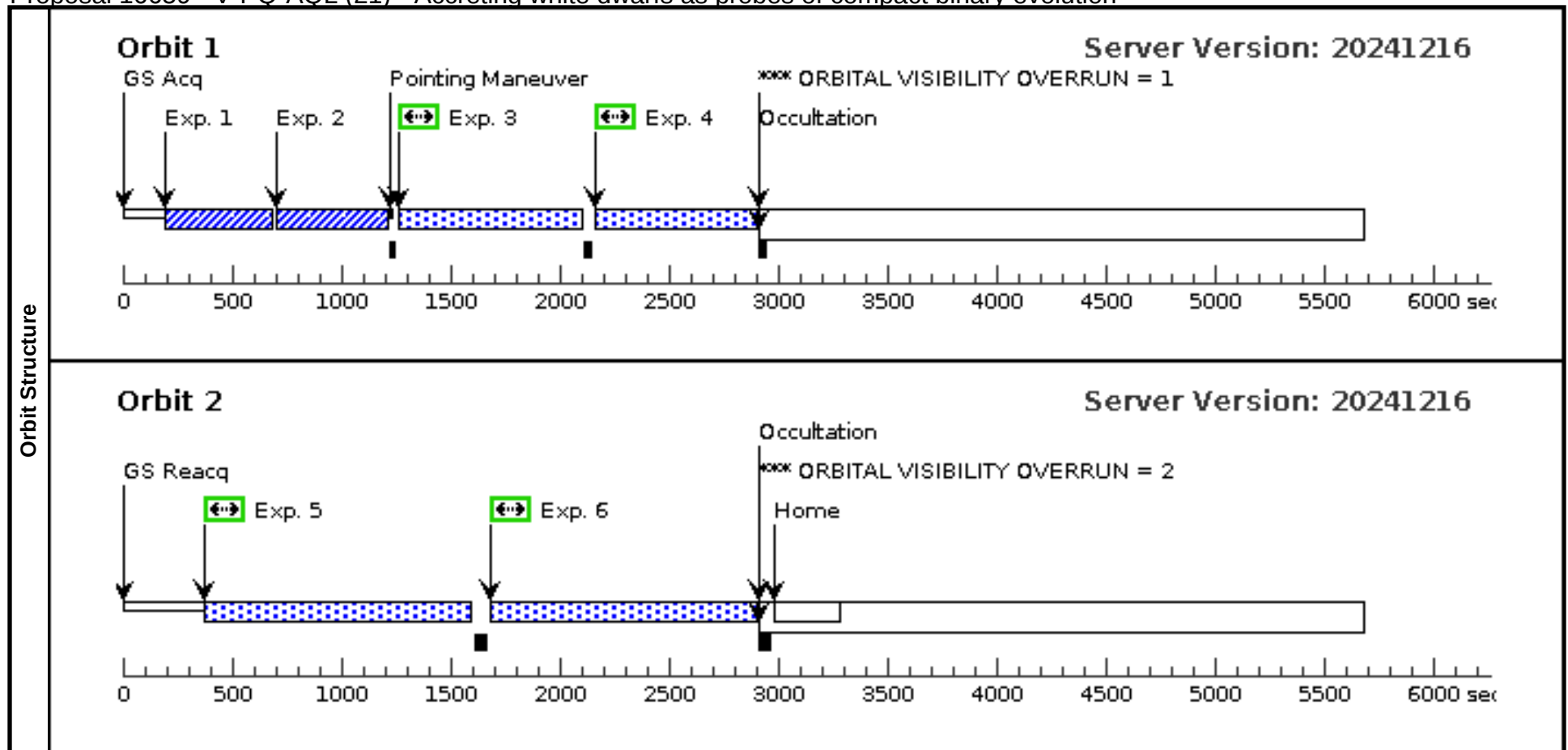


Proposal 16659 - V-PQ-AQL (21) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-PQ-AQL (21), implementation Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; BETWEEN 01-OCT-2023:00:00:00 AND 26-NOV-2023:00:00:00; BETWEEN 10-APR-2024:00:00:00 AND 30-SEP-2024:00:00:00				
Diagnostics	(V-PQ-AQL (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-PQ-AQL (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(21)	V-PQ-AQL	RA: 19 53 6.6731 (298.2778046d) Dec: +12 59 0.76 (12.98354d) Equinox: J2000	Proper Motion RA: 4.666036983553999 mas/yr Proper Motion Dec: 0.9123467315858763 mas/yr Parallax: 7.318722137698763E-4" Epoch of Position: 2016.0	V=15.2 FUV=16.6, NUV=16.6, Gaia EDR3 4304999622372178 048, G=17.2, parallax=0.73(6) mas.
Miscellaneous Reference Frame: ICRS					
Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-PQ-AQL (21) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1528129)	(21) V-PQ-AQL	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			72 Secs (72 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with Teff=35000K, scaled to FUV=17 (as expected for the given distance to the system). The exposure time allows the acquisition in case the system is up to 1.5 magnitude fainter than expected.									
	2	ACQ/PEAK D (1528129)	(21) V-PQ-AQL	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			72 Secs (72 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with Teff=35000K, scaled to FUV=17 (as expected for the given distance to the system). The exposure time allows the acquisition in case the system is up to 1.5 magnitude fainter than expected.									
	3	FP-POS=1 (1528135)	(21) V-PQ-AQL	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=32 16; LIFETIME-POS=L P3			684 Secs (684 Secs) [==>]	[1]
	4	FP-POS=2 (1528135)	(21) V-PQ-AQL	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=32 16; LIFETIME-POS=L P3			684 Secs (684 Secs) [==>]	[1]
	5	FP-POS=3 (1528135)	(21) V-PQ-AQL	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=32 16; LIFETIME-POS=L P3			1169 Secs (1169 Secs) [==>]	[2]
	6	FP-POS=4 (1528135)	(21) V-PQ-AQL	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=32 16; LIFETIME-POS=L P3			1168 Secs (1168 Secs) [==>]	[2]



Proposal 16659 - SDSS-J161909.10+135145.5 (23) - Accreting white dwarfs as probes of compact binary evolution

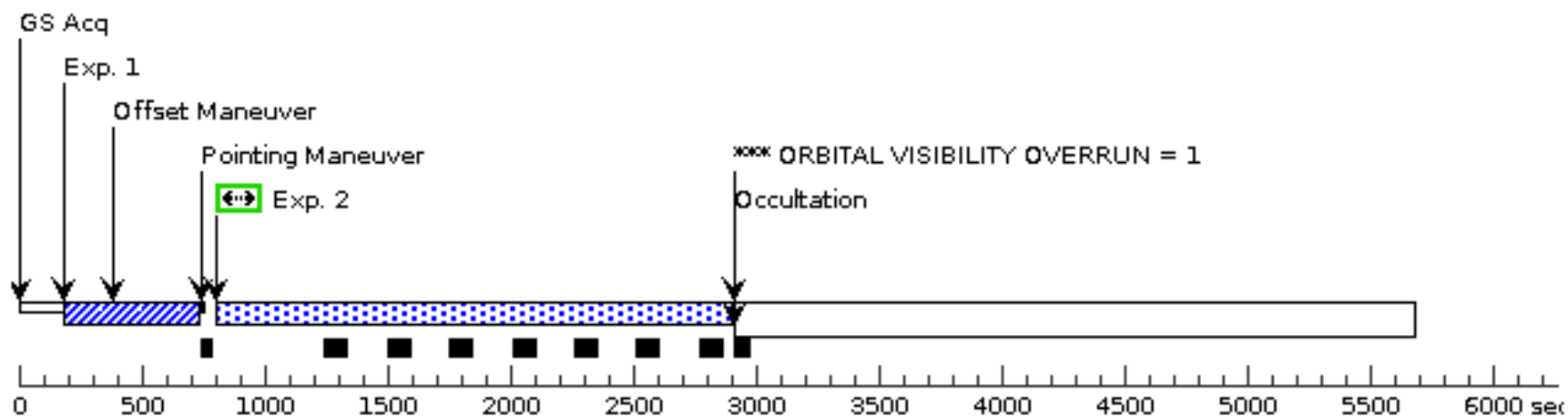
Visit	Proposal 16659, SDSS-J161909.10+135145.5 (23), completed Fri Apr 04 16:01:42 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 157D TO 27 D; BETWEEN 01-MAY-2023:00:00:00 AND 31-MAY-2023:00:00:00 <i>Comments: This should be scheduled in the evening local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution</i>					
Diagnostics	(SDSS-J161909.10+135145.5 (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (SDSS-J161909.10+135145.5 (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (SDSS-J161909.10+135145.5 (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (SDSS-J161909.10+135145.5 (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(23)	SDSS-J161909.10+135145.5	RA: 16 19 9.1015 (244.7879229d) Dec: +13 51 45.45 (13.86262d) Equinox: J2000	Proper Motion RA: 3.4582568733378007 mas/yr Proper Motion Dec: -10.44096103682362 mas/yr Parallax: 5.529925074091502E-4" Epoch of Position: 2016.0	V=16.5 FUV=19.4, NUV=19.3, Gaia EDR3 4463547515444791 168, G=17.6, parallax=0.55(7) mas.	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - SDSS-J161909.10+135145.5 (23) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1838413)	(23) SDSS-J161909. 10+135145.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V23S AF		130 Secs (130 Secs) [==>]	[1]
	<i>Comments: Computed assuming a flat spectrum with NUV = 19.6 mag (from Galex observations).</i>									
	2	FP-POS=1 (1528185)	(23) SDSS-J161909. 10+135145.5	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=25 4; LIFETIME-POS=L P3	USE OFFSET V23S AF		1891 Secs (1891 Secs) [==>]	[1]
	3	FP-POS=2 (1528185)	(23) SDSS-J161909. 10+135145.5	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=26 2; LIFETIME-POS=L P3	USE OFFSET V23S AF		2471 Secs (2471 Secs) [==>]	[2]
	4	FP-POS=3 (1528185)	(23) SDSS-J161909. 10+135145.5	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=26 2; LIFETIME-POS=L P3	USE OFFSET V23S AF		2471 Secs (2471 Secs) [==>]	[3]
	5	FP-POS=4 (1528185)	(23) SDSS-J161909. 10+135145.5	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=26 2; LIFETIME-POS=L P3	USE OFFSET V23S AF		2471 Secs (2471 Secs) [==>]	[4]

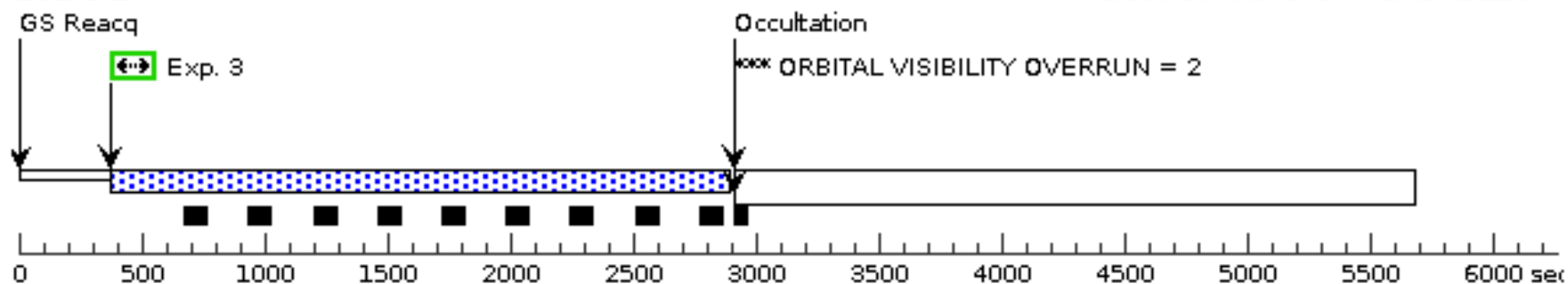
Orbit 1

Server Version: 20241216



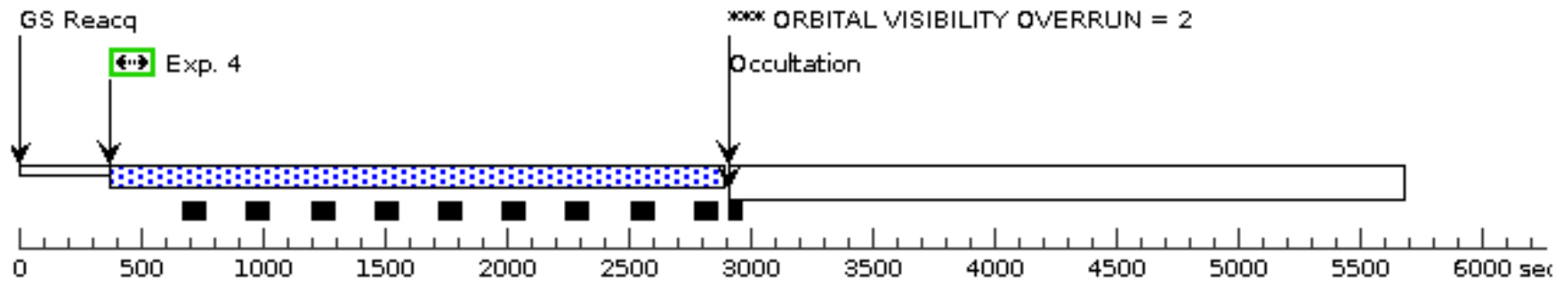
Orbit 2

Server Version: 20241216



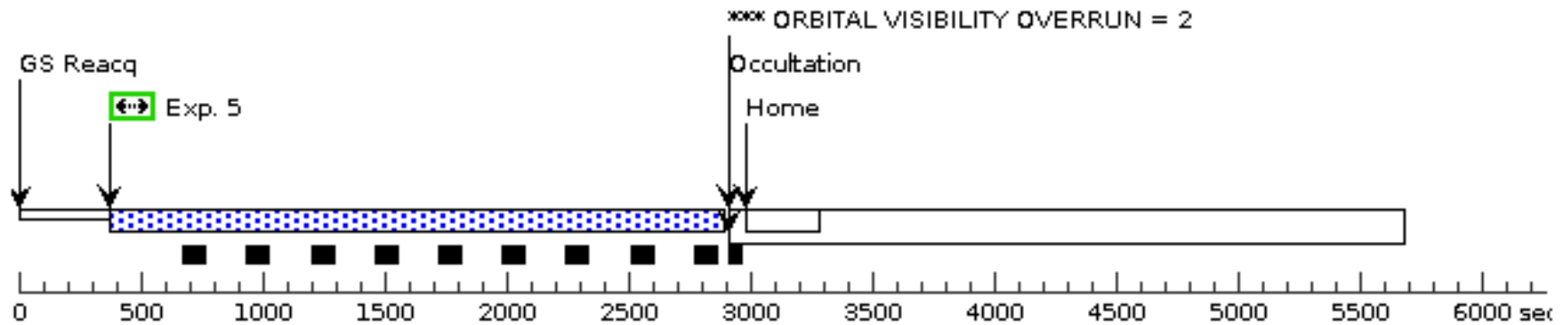
Orbit 3

Server Version: 20241216



Orbit 4

Server Version: 20241216



Proposal 16659 - S/C visit for Visit 23 (2G) - Accreting white dwarfs as probes of compact binary evolution

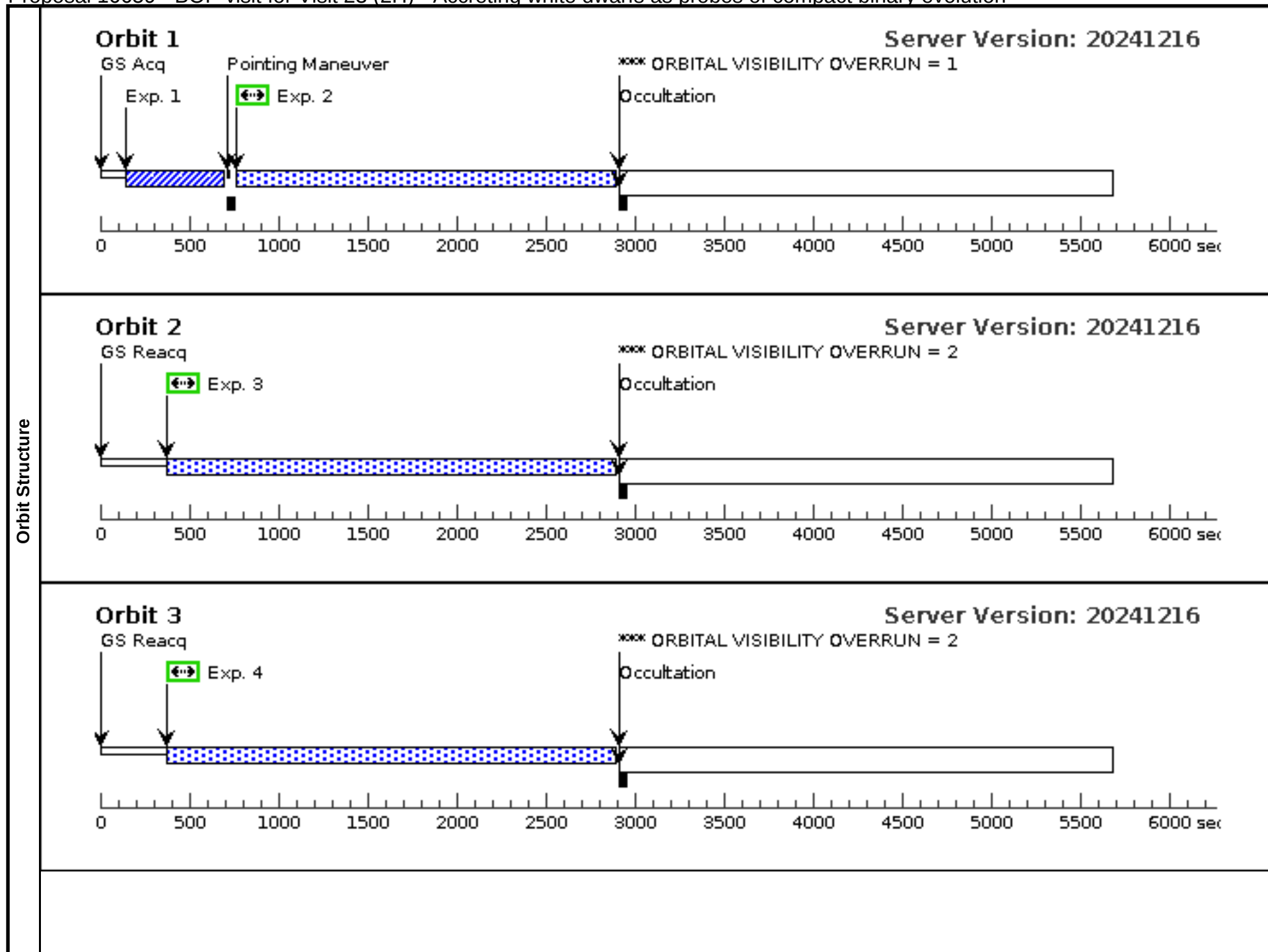
Visit	Proposal 16659, S/C visit for Visit 23 (2G), completed										Fri Apr 04 16:01:42 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: S/C											
	Special Requirements: SCHED 100%; ORIENT 157D TO 27 D											
Comments: This S/C visit should go earlier in the week while visit 23 will be at least 3 days later. The S/C visit will contain only 1 exposure												
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(23)	SDSS-J161909.10+135145.5	RA: 16 19 9.1015 (244.7879229d) Dec: +13 51 45.45 (13.86262d) Equinox: J2000	Proper Motion RA: 3.4582568733378007 mas/yr Proper Motion Dec: -10.44096103682362 mas/yr Parallax: 5.529925074091502E-4" Epoch of Position: 2016.0		V=16.5 FUV=19.4, NUV=19.3, Gaia EDR3 4463547515444791168, G=17.6, parallax=0.55(7) mas.		Reference Frame: ICRS				
	Comments:											
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(23) SDSS-J161909.10+135145.5	S/C, DATA, V1			POS TARG 232.723, -237.515; SAVE OFFSET V23 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 317.1; QESIPARM DIST 9.763		5 Secs (5 Secs) [=>]		[1]	
Orbit Structure	Orbit 1											Server Version: 20241216

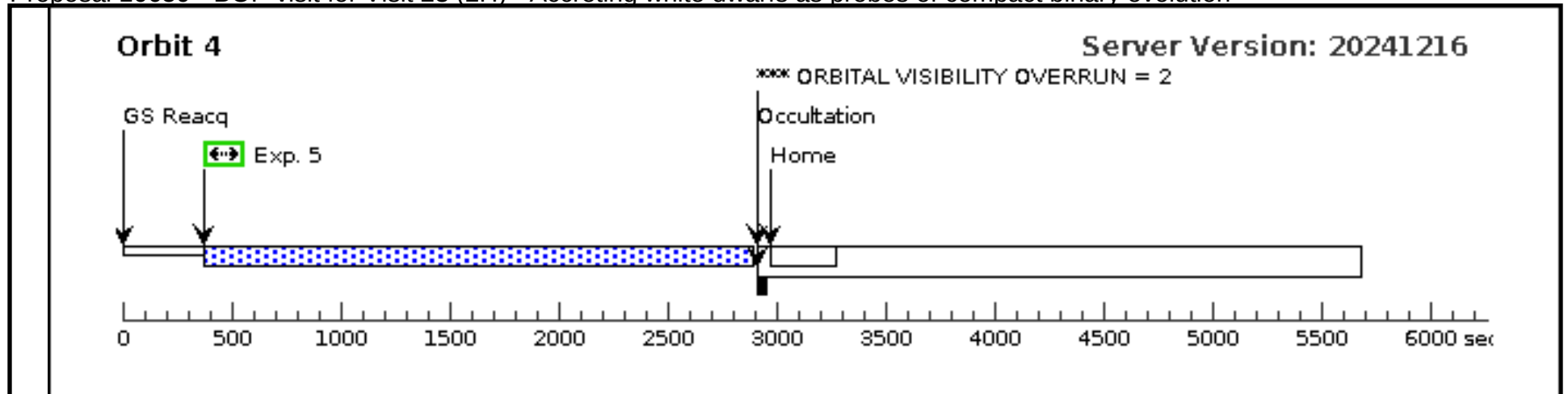
Proposal 16659 - BOP visit for Visit 23 (2H) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for Visit 23 (2H), withdrawn					Fri Apr 04 16:01:42 GMT 2025
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT 157D TO 27 D; BETWEEN 01-MAY-2023:00:00:00 AND 31-MAY-2023:00:00:00					
Comments: This visit is for BOP checking the safe target only and should not execute on board HST.						
Diagnostics	(BOP visit for Visit 23 (2H)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for Visit 23 (2H)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for Visit 23 (2H)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for Visit 23 (2H)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(23)	SDSS-J161909.10+135145.5	RA: 16 19 9.1015 (244.7879229d) Dec: +13 51 45.45 (13.86262d) Equinox: J2000	Proper Motion RA: 3.4582568733378007 mas/yr Proper Motion Dec: -10.44096103682362 mas/yr Parallax: 5.529925074091502E-4" Epoch of Position: 2016.0	V=16.5 FUV=19.4, NUV=19.3, Gaia EDR3 4463547515444791168, G=17.6, parallax=0.55(7) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					
	(91)	SDSS-J161909.10+135145-SAFE-TGT	Offset from SDSS-J161909.10+135145.5 RA Offset: -0.45 Secs Dec Offset: 7.153 Arcsec		V=16.5	Offset Position (SDSS-J161909.10+135145-SAFE-TGT)
	Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.763 arcseconds away at PA 317.1 degrees from SDSS-J161909.10+135145.5 Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO					

Proposal 16659 - BOP visit for Visit 23 (2H) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ/IMAG E (1838413)	(91) SDSS-J161909. 10+135145-SAFE-T GT	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				130 Secs (130 Secs)		
									[==>]		[1]
	<i>Comments: Computed assuming a flat spectrum with NUV = 19.6 mag (from Galex observations).</i>										
	2	FP-POS=1 (1528185)	(91) SDSS-J161909. 10+135145-SAFE-T GT	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=79 81; LIFETIME-POS=L P3			1924 Secs (1924 Secs)		
									[==>]		[1]
	3	FP-POS=2 (1528185)	(91) SDSS-J161909. 10+135145-SAFE-T GT	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=79 81; LIFETIME-POS=L P3			2471 Secs (2471 Secs)		
									[==>]		[2]
	4	FP-POS=3 (1528185)	(91) SDSS-J161909. 10+135145-SAFE-T GT	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=79 81; LIFETIME-POS=L P3			2471 Secs (2471 Secs)		
									[==>]		[3]
	5	FP-POS=4 (1528185)	(91) SDSS-J161909. 10+135145-SAFE-T GT	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=79 81; LIFETIME-POS=L P3			2471 Secs (2471 Secs)		
									[==>]		[4]



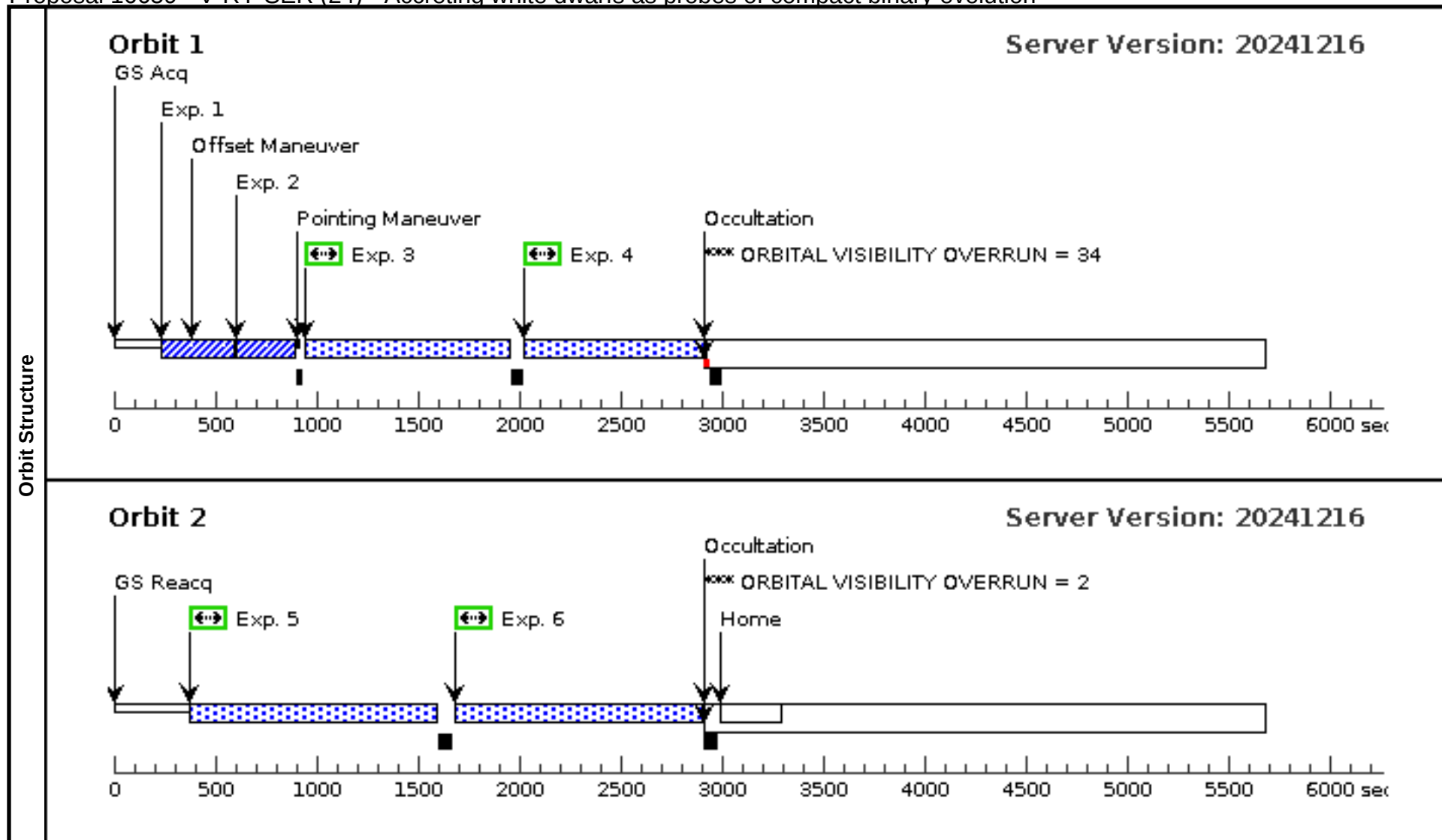


Proposal 16659 - V-RY-SER (24) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-RY-SER (24), completed Fri Apr 04 16:01:42 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 165D TO 30 D; BETWEEN 01-JUN-2022:00:00:00 AND 30-JUN-2022:00:00:00 <i>Comments: This should be scheduled in the evening-local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution</i>					
Diagnostics	(V-RY-SER (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-RY-SER (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(24)	V-RY-SER	RA: 17 23 7.1820 (260.7799250d) Dec: -12 48 9.91 (-12.80275d) Equinox: J2000	Proper Motion RA: -1.613905821568582 mas/yr Proper Motion Dec: -10.93857586076657 mas/yr Parallax: 0.0015609142528966594" Epoch of Position: 2016.0	V=16.08 Gaia ER3 413866336870179827 2, G=15.6, parallax=1.55(5) mas.	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-RY-SER (24) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1528199)	(24) V-RY-SER	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V24S AF		28 Secs (28 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=35000\text{K}$, scaled to $FUV=16.6$ (from <i>Galex</i> bservations). The exposure time allows the acqusition in case the system is up to one magnitude fainter than expected.									
	2	ACQ/PEAK D (1528199)	(24) V-RY-SER	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V24S AF		28 Secs (28 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=35000\text{K}$, scaled to $FUV=16.6$ (from <i>Galex</i> bservations). The exposure time allows the acqusition in case the system is up to one magnitude fainter than expected.									
	3	FP-POS=1 (1528201)	(24) V-RY-SER	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=24 78; LIFETIME-POS=L P3	USE OFFSET V24S AF		850 Secs (850 Secs) [==>]	[1]
	4	FP-POS=2 (1528201)	(24) V-RY-SER	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=24 78; LIFETIME-POS=L P3	USE OFFSET V24S AF		851 Secs (851 Secs) [==>]	[1]
	5	FP-POS=3 (1528201)	(24) V-RY-SER	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=24 78; LIFETIME-POS=L P3	USE OFFSET V24S AF		1164 Secs (1164 Secs) [==>]	[2]
	6	FP-POS=4 (1528201)	(24) V-RY-SER	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=24 78; LIFETIME-POS=L P3	USE OFFSET V24S AF		1164 Secs (1164 Secs) [==>]	[2]



Proposal 16659 - S/C visit for Visit 24 (2I) - Accreting white dwarfs as probes of compact binary evolution

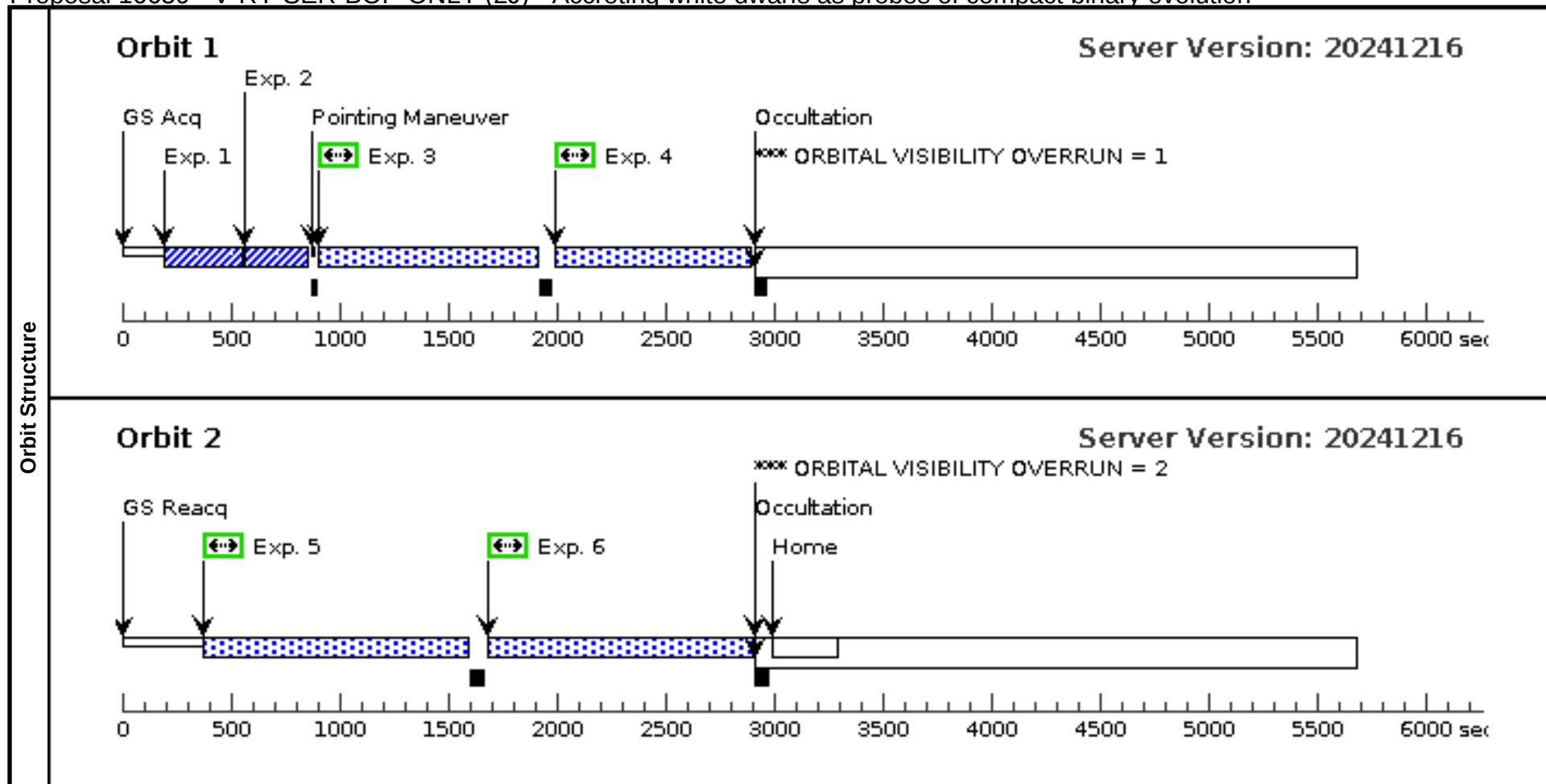
Visit	Proposal 16659, S/C visit for Visit 24 (2I), completed										Fri Apr 04 16:01:42 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: S/C											
	Special Requirements: SCHED 100%; ORIENT 165D TO 30 D											
Comments: This visit allocates and sets up the safe position offset slot for viit 24 which will use that slot. This S/C visit should go earlier in the week while visit 24 will be at least 3 days later. The S/C visit will contain only 1 exposure												
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(24)	V-RY-SER	RA: 17 23 7.1820 (260.7799250d) Dec: -12 48 9.91 (-12.80275d) Equinox: J2000		Proper Motion RA: -1.613905821568582 mas/yr Proper Motion Dec: -10.93857586076657 mas/yr Parallax: 0.0015609142528966594" Epoch of Position: 2016.0		V=16.08 Gaia ER3 413866336870179827 2, G=15.6, parallax=1.55(5) mas.		Reference Frame: ICRS			
	Comments:											
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(24) V-RY-SER	S/C, POINTING, V1			POS TARG 229.132 8,-241.0575; SAVE OFFSET V24 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGL E 326.8; QESIPARM DIST 9.783			5 Secs (5 Secs) [==>]	[1]	
Orbit Structure	Orbit 1											Server Version: 20241216
	GS Acq Unused Orbital Visibility = 2528 Exp. 1 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Proposal 16659 - V-RY-SER-BOP-ONLY (2J) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-RY-SER-BOP-ONLY (2J), withdrawn Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 165D TO 30 D; BETWEEN 01-JUN-2022:00:00:00 AND 30-JUN-2022:00:00:00 <i>Comments: This visit is for BOP checking the safe target only and should not execute onboard HST.</i>				
Diagnostics	(V-RY-SER-BOP-ONLY (2J)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-RY-SER-BOP-ONLY (2J)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(24)	V-RY-SER	RA: 17 23 7.1820 (260.7799250d) Dec: -12 48 9.91 (-12.80275d) Equinox: J2000	Proper Motion RA: -1.613905821568582 mas/yr Proper Motion Dec: -10.93857586076657 mas/yr Parallax: 0.0015609142528966594" Epoch of Position: 2016.0	V=16.08 Gaia ER3 413866336870179827 2, G=15.6, parallax=1.55(5) mas.
Fixed Targets	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(82)	V-RY-SER-SAFE-TARGET	Offset from V-RY-SER RA Offset: -0.36 Secs Dec Offset: 8.183 Arcsec	V=16.08	Offset Position (V-RY-SER-SAFE-TARGET)
Fixed Targets	<i>Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.031 arcseconds away at a PA 326.8 degrees from V-RY-SER</i> Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

Proposal 16659 - V-RY-SER-BOP-ONLY (2J) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1528199)	(82) V-RY-SER-SA FE-TARGET	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			28 Secs (28 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with Teff=35000K, scaled to FUV=16.6 (from Galex bservations). The exposure time allows the acqusition in case the system is up to one magnitude fainter than expected.									
	2	ACQ/PEAK D (1528199)	(82) V-RY-SER-SA FE-TARGET	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			28 Secs (28 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with Teff=35000K, scaled to FUV=16.6 (from Galex bservations). The exposure time allows the acqusition in case the system is up to one magnitude fainter than expected.									
	3	FP-POS=1 (1528201)	(82) V-RY-SER-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=24 78; LIFETIME-POS=L P3			850 Secs (850 Secs) [==>]	[1]
	4	FP-POS=2 (1528201)	(82) V-RY-SER-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=24 78; LIFETIME-POS=L P3			851 Secs (851 Secs) [==>]	[1]
	5	FP-POS=3 (1528201)	(82) V-RY-SER-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=24 78; LIFETIME-POS=L P3			1164 Secs (1164 Secs) [==>]	[2]
	6	FP-POS=4 (1528201)	(82) V-RY-SER-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=24 78; LIFETIME-POS=L P3			1164 Secs (1164 Secs) [==>]	[2]

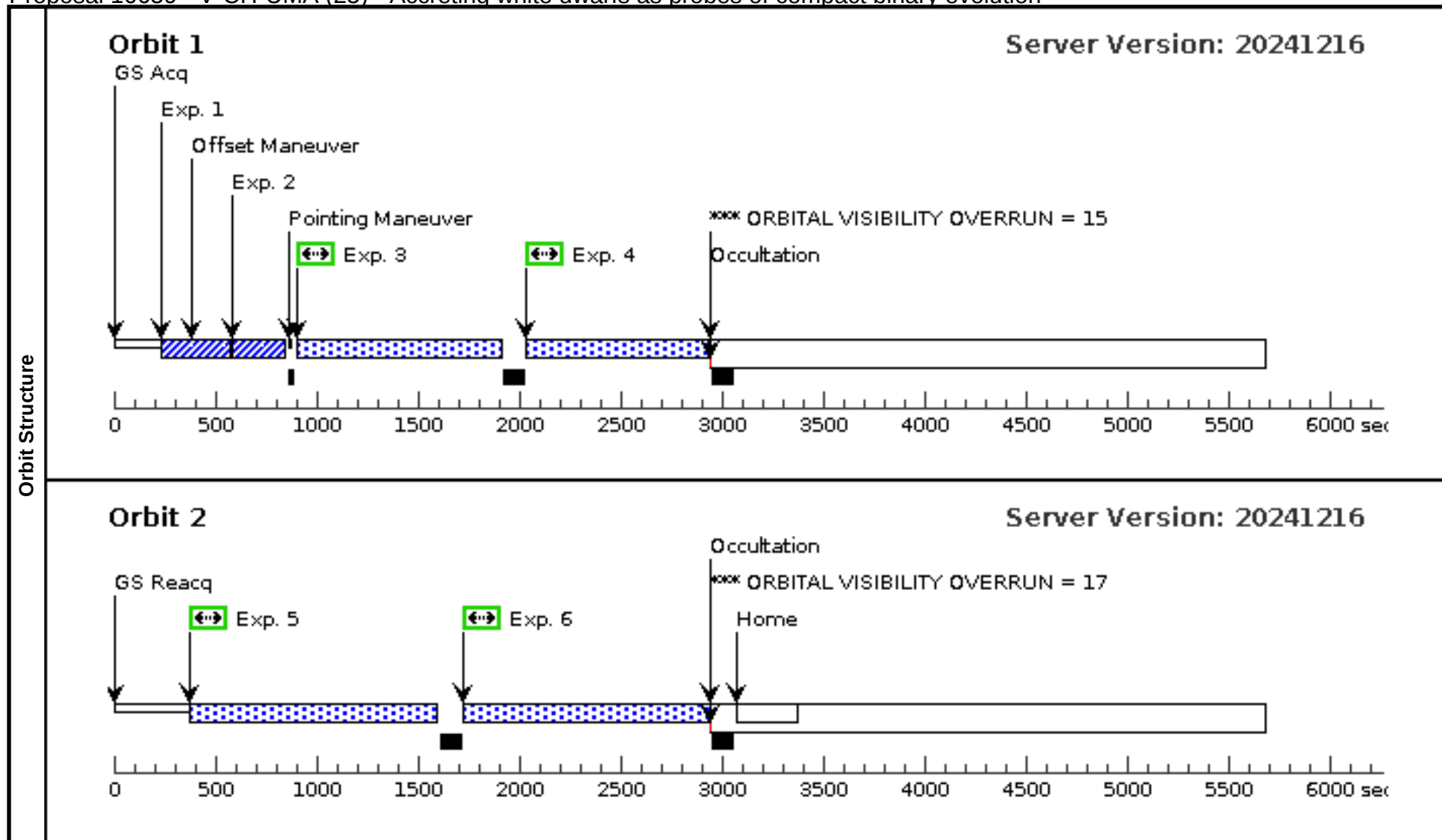


Proposal 16659 - V-CH-UMA (25) - Accreting white dwarfs as probes of compact binary evolution

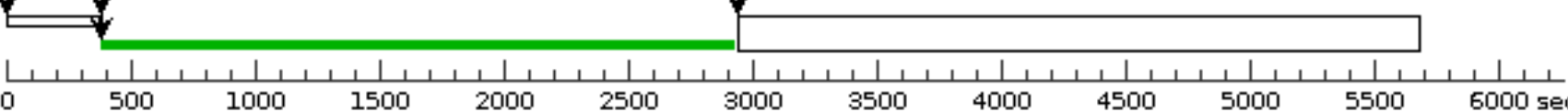
Visit	Proposal 16659, V-CH-UMA (25), completed Fri Apr 04 16:01:42 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 265D TO 95 D; BETWEEN 01-DEC-2022:00:00:00 AND 31-DEC-2022:00:00:00 <i>Comments: THis should be scheduled in evening-local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution.</i>					
Diagnostics	(V-CH-UMA (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-CH-UMA (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(25)	V-CH-UMA	RA: 10 07 0.7206 (151.7530025d) Dec: +67 32 47.37 (67.54649d) Equinox: J2000	Proper Motion RA: -0.44029245578090936 mas/yr Proper Motion Dec: -8.466025031907947 mas/yr Parallax: 0.002646376164933942" Epoch of Position: 2016.0	V=14.99 Gaia EDR3 1067083117158668 800, G=14.73, parallax=2.65(2) mas.	Reference Frame: ICRS
Fixed Targets	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-CH-UMA (25) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1528231)	(25) V-CH-UMA	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V25S AF		23 Secs (23 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=35000\text{K}$, scaled to $FUV=15.7$ (from <i>Galex</i> observations). The exposure time allows the acquisition in case the system is up to two magnitudes fainter than expected.									
	2	ACQ/PEAK D (1528231)	(25) V-CH-UMA	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V25S AF		23 Secs (23 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=35000\text{K}$, scaled to $FUV=15.7$ (from <i>Galex</i> observations). The exposure time allows the acquisition in case the system is up to two magnitudes fainter than expected.									
	3	FP-POS=1 (1528237)	(25) V-CH-UMA	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=86 9; LIFETIME-POS=L P3	USE OFFSET V25S AF		869 Secs (852 Secs) [==>852.0 Secs]	[1]
	4	FP-POS=2 (1528237)	(25) V-CH-UMA	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=86 8; LIFETIME-POS=L P3	USE OFFSET V25S AF		868 Secs (851 Secs) [==>851.0 Secs]	[1]
	5	FP-POS=3 (1528237)	(25) V-CH-UMA	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=11 67; LIFETIME-POS=L P3	USE OFFSET V25S AF		1167 Secs (1167 Secs) [==>]	[2]
	6	FP-POS=4 (1528237)	(25) V-CH-UMA	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=11 66; LIFETIME-POS=L P3	USE OFFSET V25S AF		1166 Secs (1166 Secs) [==>]	[2]



Proposal 16659 - S/C visit for Visit 25 (2K) - Accreting white dwarfs as probes of compact binary evolution

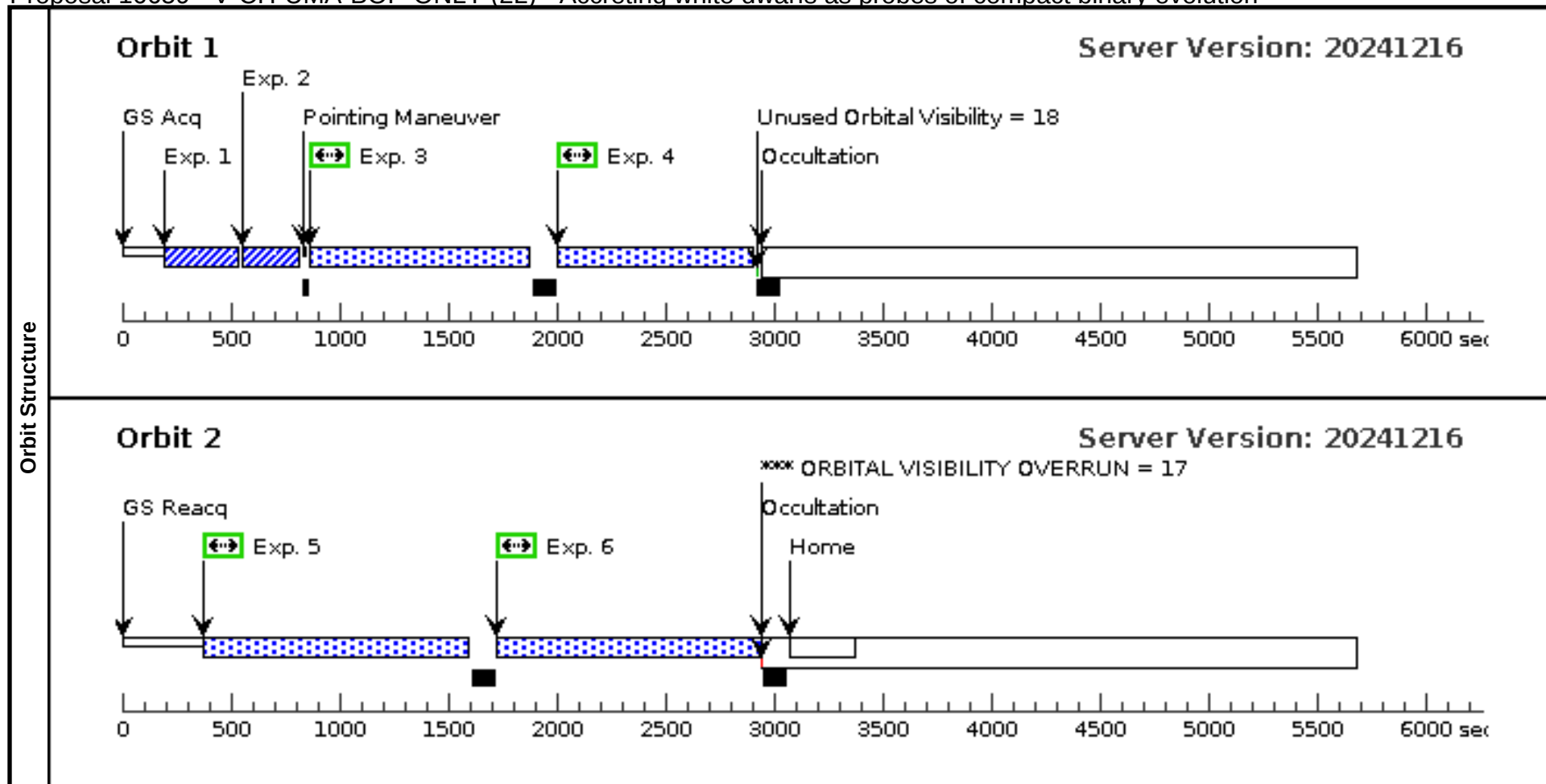
Visit	Proposal 16659, S/C visit for Visit 25 (2K), completed										Fri Apr 04 16:01:42 GMT 2025
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: S/C										
	Special Requirements: SCHED 100%; ORIENT 265D TO 95 D										
	Comments: This visit allocates and sets up the safe position offset slot for visit 25 which will use that slot. This S/C visit should go earlier in the week while visit 25 will be at least 3 days later. The S/C visit will contain only 1 exposure										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(25)	V-CH-UMA	RA: 10 07 0.7206 (151.7530025d) Dec: +67 32 47.37 (67.54649d) Equinox: J2000	Proper Motion RA: -0.44029245578090936 mas/yr Proper Motion Dec: -8.466025031907947 mas/yr Parallax: 0.002646376164933942" Epoch of Position: 2016.0		V=14.99 Gaia EDR3 1067083117158668 800, G=14.73, parallax=2.65(2) mas.		Reference Frame: ICRS			
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1		(25) V-CH-UMA	S/C, DATA, V1			POS TARG 229.132 8,-241.0575; SAVE OFFSET V25 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGL E 44; QESIPARM DIST 9.73		5 Secs (5 Secs) [==>]	[1]	
Orbit Structure	Orbit 1 GS Acq Unused Orbital Visibility = 2556 Exp. 1 Occultation  0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec Server Version: 20241216										

Proposal 16659 - V-CH-UMA-BOP-ONLY (2L) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-CH-UMA-BOP-ONLY (2L), withdrawn Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 265D TO 95 D; BETWEEN 01-DEC-2022:00:00:00 AND 31-DEC-2022:00:00:00 <i>Comments: This visit is for BOP checking the safe target only and should not execute on board HST</i>				
Diagnostics	(V-CH-UMA-BOP-ONLY (2L)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(25)	V-CH-UMA	RA: 10 07 0.7206 (151.7530025d) Dec: +67 32 47.37 (67.54649d) Equinox: J2000	Proper Motion RA: -0.44029245578090936 mas/yr Proper Motion Dec: -8.466025031907947 mas/yr Parallax: 0.002646376164933942" Epoch of Position: 2016.0	V=14.99 Gaia EDR3 1067083117158668 800, G=14.73, parallax=2.65(2) mas.
Fixed Targets	Miscellaneous Reference Frame: ICRS <i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(75)	V-CH-UMA-SAFE-TARGET	Offset from V-CH-UMA RA Offset: 1.11 Secs Dec Offset: 6.3999 Arcsec	V=14.99	Offset Position (V-CH-UMA-SAFE-TARGET)
Fixed Targets	<i>Comments: This target is the bright object safe pointing for Target 25: V-CH-UMA, it is 9.024 arcsec away at PA 44.8 degrees</i> Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

Proposal 16659 - V-CH-UMA-BOP-ONLY (2L) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1528231)	(75) V-CH-UMA-S AFE-TARGET	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			23 Secs (23 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with Teff=35000K, scaled to FUV=15.7 (from Galex observations). The exposure time allows the acquisition in case the system is up to two magnitudes fainter than expected.									
	2	ACQ/PEAK D (1528231)	(75) V-CH-UMA-S AFE-TARGET	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			23 Secs (23 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with Teff=35000K, scaled to FUV=15.7 (from Galex observations). The exposure time allows the acquisition in case the system is up to two magnitudes fainter than expected.									
	3	FP-POS=1 (1528237)	(75) V-CH-UMA-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=86 9; LIFETIME-POS=L P3			869 Secs (852 Secs) [==>852.0 Secs]	[1]
	4	FP-POS=2 (1528237)	(75) V-CH-UMA-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=86 8; LIFETIME-POS=L P3			868 Secs (851 Secs) [==>851.0 Secs]	[1]
	5	FP-POS=3 (1528237)	(75) V-CH-UMA-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=11 67; LIFETIME-POS=L P3			1167 Secs (1167 Secs) [==>]	[2]
	6	FP-POS=4 (1528237)	(75) V-CH-UMA-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=11 66; LIFETIME-POS=L P3			1166 Secs (1166 Secs) [==>]	[2]

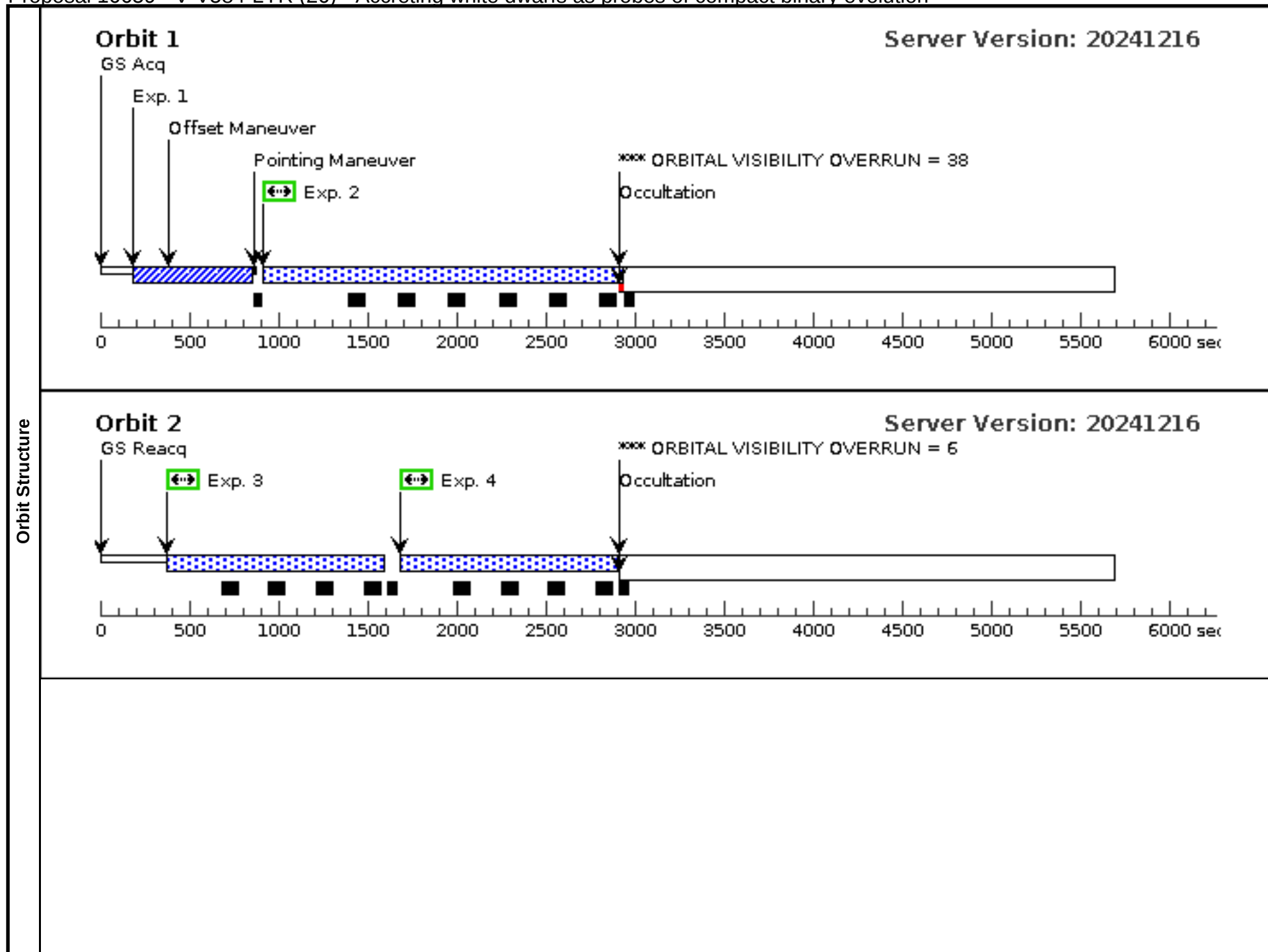


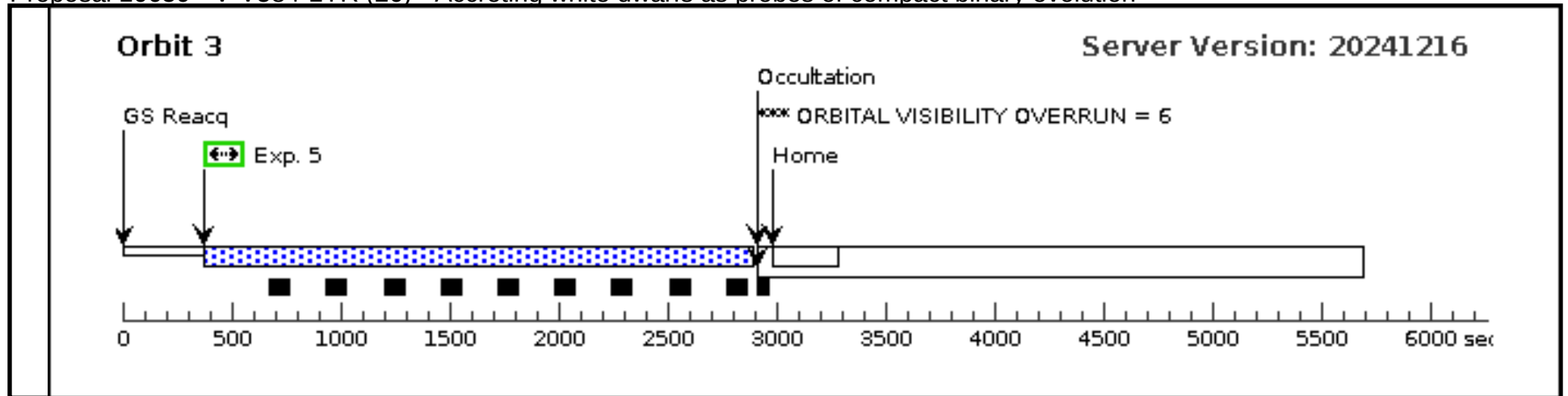
Proposal 16659 - V-V584-LYR (26) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-V584-LYR (26), completed					Fri Apr 04 16:01:42 GMT 2025
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT 15D TO 260 D; BETWEEN 01-AUG-2023:00:00:00 AND 31-AUG-2023:00:00:00					
	Comments: This hould be scheduled in the evening local-time on a Thursday or Friday. Flags need to be cleared during the work day. Weekends and holidays are to be avoided since the CS must clear the target within 24 hours of HST execution					
Diagnostics	(V-V584-LYR (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(V-V584-LYR (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(V-V584-LYR (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(26)	V-V584-LYR	RA: 19 10 59.4141 (287.7475588d)	Proper Motion RA: -5.117259894073731 mas/yr	V=18.5	Reference Frame: ICRS
			Dec: +28 56 38.72 (28.94409d)	Proper Motion Dec: 3.415808248543029 mas/yr	NUV=19.5,	
			Equinox: J2000	Parallax: 0.0010324554912588076"	Gaia EDR3 2037573102742604544,	
				Epoch of Position: 2016.0	G=18.7, parallax=1.0(1) mas.	
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-V584-LYR (26) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1857047)	(26) V-V584-LYR	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V26S AF		188 Secs (188 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD model with $T_{\text{eff}}=25000\text{K}$ and $\text{NUV} = 18 \text{ mag}$. The exposure time allows for the system fading another 1.5 magnitudes.</i>									
	2	FP-POS=1 (1528599)	(26) V-V584-LYR	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=28 3; LIFETIME-POS=L P3	USE OFFSET V26S AF		1809 Secs (1809 Secs) [==>]	[1]
	3	FP-POS=2 (1528599)	(26) V-V584-LYR	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=26 7; LIFETIME-POS=L P3	USE OFFSET V26S AF		1169 Secs (1169 Secs) [==>]	[2]
	4	FP-POS=3 (1528599)	(26) V-V584-LYR	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=26 7; LIFETIME-POS=L P3	USE OFFSET V26S AF		1169 Secs (1169 Secs) [==>]	[2]
	5	FP-POS=4 (1528599)	(26) V-V584-LYR	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=26 2; LIFETIME-POS=L P3	USE OFFSET V26S AF		2472 Secs (2472 Secs) [==>]	[3]





Proposal 16659 - S/C visit for visit 26 (2M) - Accreting white dwarfs as probes of compact binary evolution

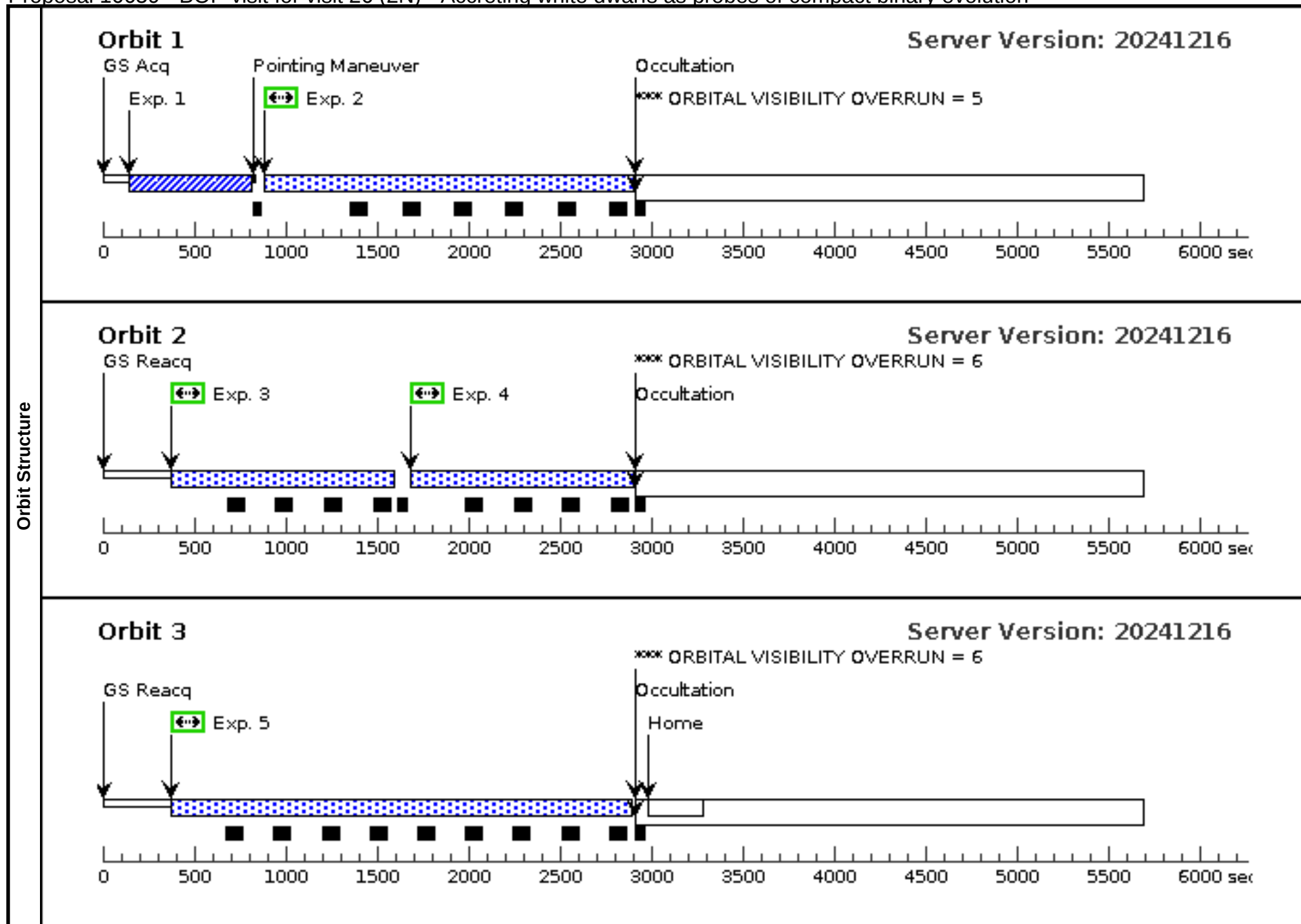
Visit	Proposal 16659, S/C visit for visit 26 (2M), completed										Fri Apr 04 16:01:42 GMT 2025
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: S/C										
	Special Requirements: SCHED 100%; ORIENT 15D TO 260 D										
Comments: This visit allocates and sets up the safe position offset slot for visit 26 which will use that slot. This S/C visit should go 3-5 days before visit 26. This visit will only contain one exposure											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(26)	V-V584-LYR	RA: 19 10 59.4141 (287.7475588d) Dec: +28 56 38.72 (28.94409d) Equinox: J2000		Proper Motion RA: -5.117259894073731 mas/yr Proper Motion Dec: 3.415808248543029 mas/yr Parallax: 0.0010324554912588076" Epoch of Position: 2016.0		V=18.5 NUV=19.5, Gaia EDR3 2037573102742604544, G=18.7, parallax=1.0(1) mas.		Reference Frame: ICRS		
	Comments:										
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(26) V-V584-LYR	S/C, DATA, V1			POS TARG 232.723, -237.515; SAVE OFFSET V26 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 179.9; QESIPARM DIST 9.755		5 Secs (5 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20241216 ←→ Exp. 1 GS Acq Unused Orbital Visibility = 2525 Occultation										

Proposal 16659 - BOP visit for visit 26 (2N) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for visit 26 (2N), withdrawn					Fri Apr 04 16:01:42 GMT 2025
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT 15D TO 260 D; BETWEEN 01-AUG-2023:00:00:00 AND 31-AUG-2023:00:00:00					
Comments: This visit is for BOP checking the safe target only and should not execute onboard HST						
Diagnostics	(BOP visit for visit 26 (2N)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for visit 26 (2N)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for visit 26 (2N)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(26)	V-V584-LYR	RA: 19 10 59.4141 (287.7475588d) Dec: +28 56 38.72 (28.94409d) Equinox: J2000	Proper Motion RA: -5.117259894073731 mas/yr Proper Motion Dec: 3.415808248543029 mas/yr Parallax: 0.0010324554912588076" Epoch of Position: 2016.0	V=18.5 NUV=19.5, Gaia EDR3 2037573102742604 544, G=18.7, parallax=1.0(1) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					
	(96)	V-V584-LYR-SAFE-TARGET	Offset from V-V584-LYR RA Offset: 0.0 Secs Dec Offset: -9.755 Arcsec		V=18.5	Offset Position (V-V584-LYR-SAFE-TARGET)
	Comments: This target is a blank piece of sky which is the safe target offset from V-V584-LYR which is 9.755 arcsec away at PA 179.9 degrees Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO					

Proposal 16659 - BOP visit for visit 26 (2N) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ/IMAG E (1857047)	(96) V-V584-LYR-S AFE-TARGET	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				188 Secs (188 Secs)		
									[==>]		[1]
	<i>Comments: Computed assuming a WD model with $T_{\text{eff}}=25000\text{K}$ and $\text{NUV} = 18 \text{ mag}$. The exposure time allows for the system fading another 1.5 magnitudes.</i>										
	2	FP-POS=1 (1528599)	(96) V-V584-LYR-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=28 3; LIFETIME-POS=L P3			1809 Secs (1809 Secs)		
									[==>]		[1]
	3	FP-POS=2 (1528599)	(96) V-V584-LYR-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=26 7; LIFETIME-POS=L P3			1169 Secs (1169 Secs)		
									[==>]		[2]
	4	FP-POS=3 (1528599)	(96) V-V584-LYR-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=26 7; LIFETIME-POS=L P3			1169 Secs (1169 Secs)		
									[==>]		[2]
	5	FP-POS=4 (1528599)	(96) V-V584-LYR-S AFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=26 2; LIFETIME-POS=L P3			2472 Secs (2472 Secs)		
									[==>]		[3]



Proposal 16659 - V-V1082-SGR (27) - Accreting white dwarfs as probes of compact binary evolution

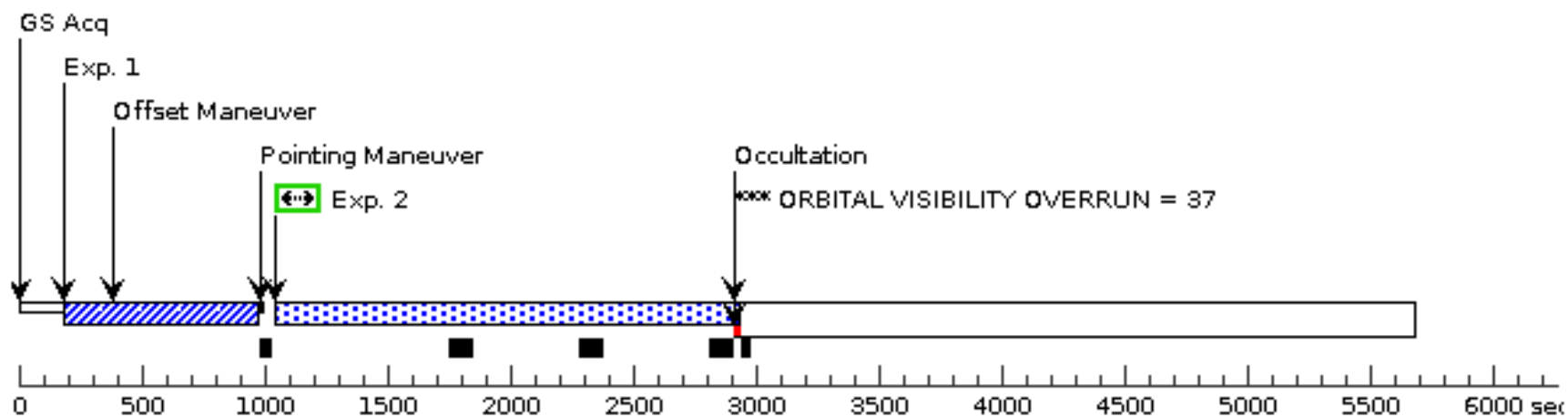
Visit	Proposal 16659, V-V1082-SGR (27), completed Fri Apr 04 16:01:42 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 235D TO 100 D; BETWEEN 01-JUL-2023:00:00:00 AND 31-AUG-2023:00:00:00 Comments: This should be scheduled in the evening local time on a Thursday/Friday. Flags need to be cleared during the work day. Weekends & holidays are to be avoided since the CS must clear the target within 24 hours of HST execution.					
Diagnostics	(V-V1082-SGR (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-V1082-SGR (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-V1082-SGR (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-V1082-SGR (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(27)	V-V1082-SGR	RA: 19 07 21.8648 (286.8411033d) Dec: -20 46 50.57 (-20.78071d) Equinox: J2000	Proper Motion RA: -0.7688814733637233 mas/yr Proper Motion Dec: -2.4347435261313324 mas/yr Parallax: 0.0015101483669977289" Epoch of Position: 2016.0	V=14.7 NUV=18.7, Gaia EDR3 4082090647900737152, G=13.9, parallax=1.51(2) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-V1082-SGR (27) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1856977)	(27) V-V1082-SGR	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V27S AF		250 Secs (250 Secs) [==>]	[1]
	Comments: Computed assuming a power law with index -2.33 and FUV=19.8. This is safe even if the target is observed in high state (FUV=14.8).									
	2	FP-POS=1 (1856929)	(27) V-V1082-SGR	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=52 6; LIFETIME-POS=L P3	USE OFFSET V27S AF		1686 Secs (1686 Secs) [==>]	[1]
	Comments: Computed assuming a power law with index -2.33 and FUV=19.8. This is safe even if the target is observed in high state (FUV=14.8).									
	3	FP-POS=2 (1528421)	(27) V-V1082-SGR	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=59 0; LIFETIME-POS=L P3	USE OFFSET V27S AF		2473 Secs (2473 Secs) [==>]	[2]
Comments: Computed assuming a power law with index -2.33 and FUV=19.8. This is safe even if the target is observed in high state (FUV=14.8).										
	4	FP-POS=3 (1528421)	(27) V-V1082-SGR	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=59 0; LIFETIME-POS=L P3	USE OFFSET V27S AF		2473 Secs (2473 Secs) [==>]	[3]
	Comments: Computed assuming a power law with index -2.33 and FUV=19.8. This is safe even if the target is observed in high state (FUV=14.8).									
	5	FP-POS=4 (1528421)	(27) V-V1082-SGR	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=59 0; LIFETIME-POS=L P3	USE OFFSET V27S AF		2473 Secs (2473 Secs) [==>]	[4]
	Comments: Computed assuming a power law with index -2.33 and FUV=19.8. This is safe even if the target is observed in high state (FUV=14.8).									

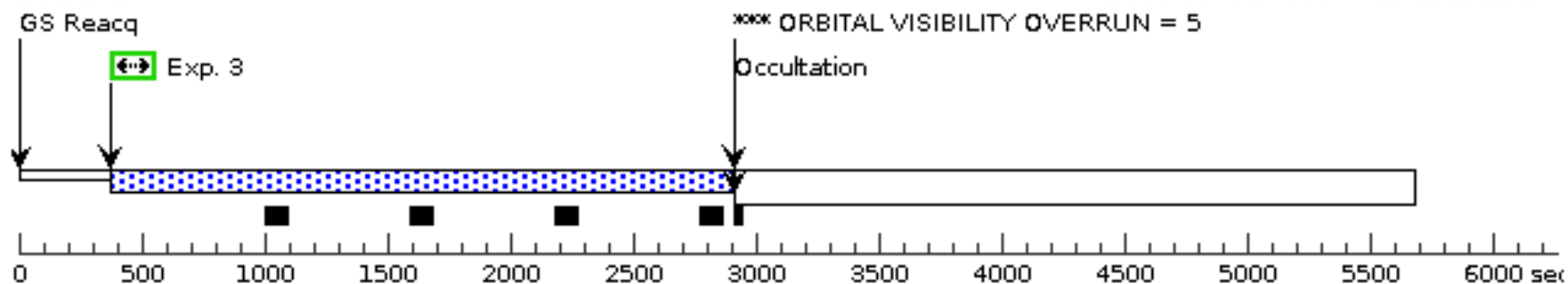
Orbit 1

Server Version: 20241216



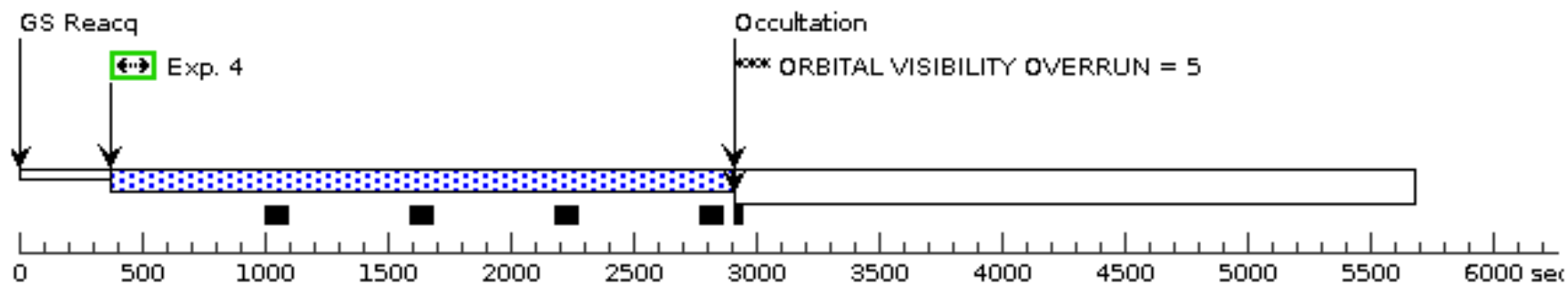
Orbit 2

Server Version: 20241216



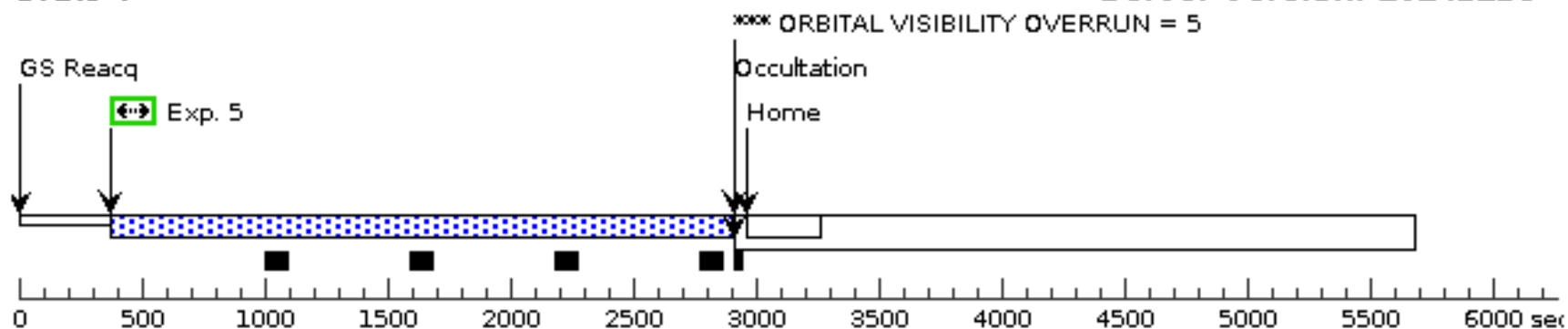
Orbit 3

Server Version: 20241216



Orbit 4

Server Version: 20241216



Proposal 16659 - S/C visit for Visit 27 (2O) - Accreting white dwarfs as probes of compact binary evolution

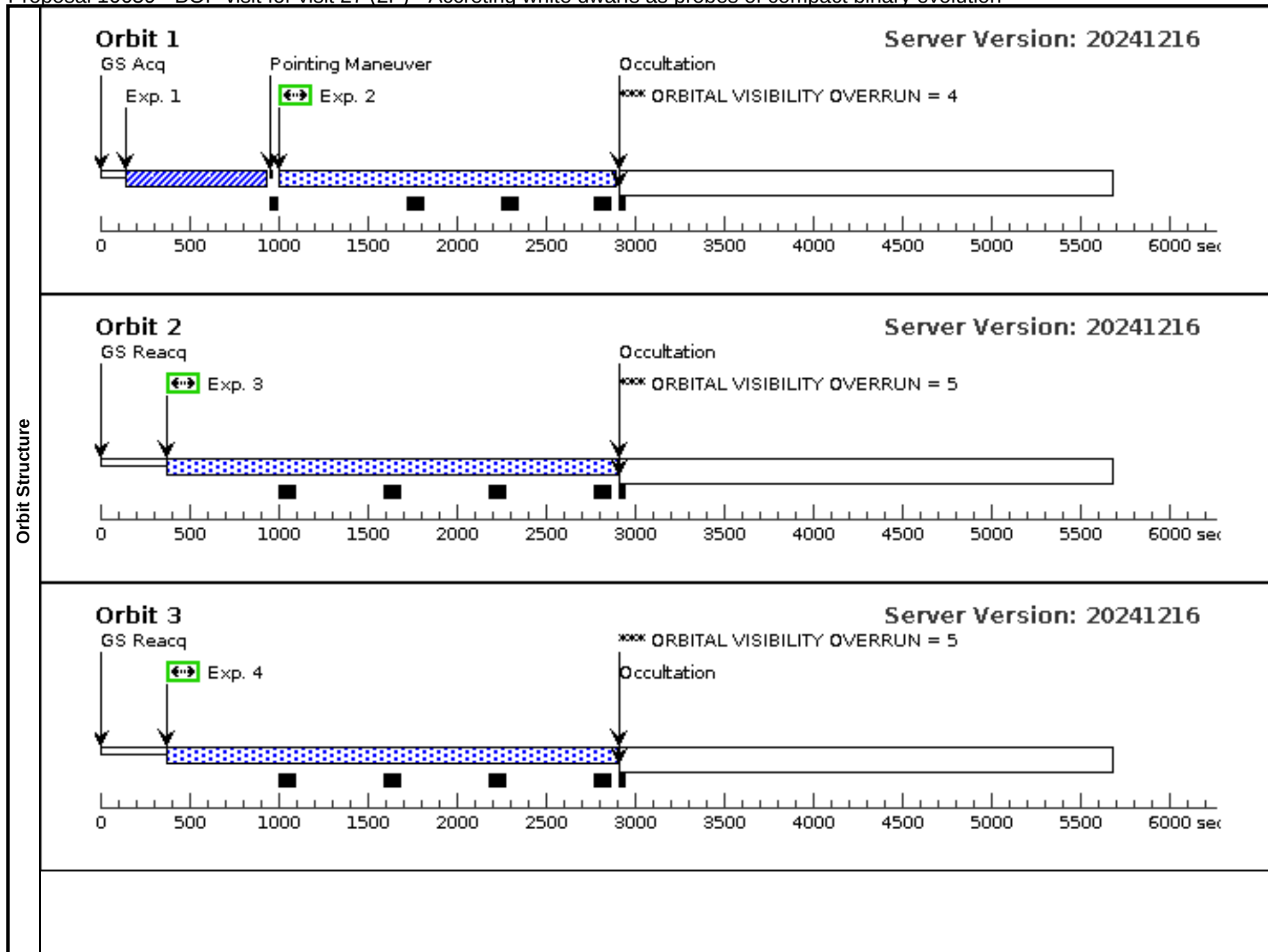
Visit	Proposal 16659, S/C visit for Visit 27 (2O), completed										Fri Apr 04 16:01:42 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: S/C											
	Special Requirements: SCHED 100%; ORIENT 235D TO 100 D											
Comments: This visit allocates and sets up the safe position offset slot for visit 27 which will use that slot. This S/C visit should go 3-5 days before visit 27. The S/C visit will contain only 1 exposure												
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(27)	V-V1082-SGR	RA: 19 07 21.8648 (286.8411033d) Dec: -20 46 50.57 (-20.78071d) Equinox: J2000	Proper Motion RA: -0.7688814733637233 mas/yr Proper Motion Dec: -2.4347435261313324 mas/yr Parallax: 0.0015101483669977289" Epoch of Position: 2016.0		V=14.7 NUV=18.7, Gaia EDR3 4082090647900737152, G=13.9, parallax=1.51(2) mas.		Reference Frame: ICRS				
	Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(27) V-V1082-SGR	S/C, DATA, V1			POS TARG 232.723, -237.515; SAVE OFFSET V27 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 29.5; QESIPARM DIST 9.75		5 Secs (5 Secs) [>=>]		[1]	
Orbit Structure	Orbit 1											Server Version: 20241216

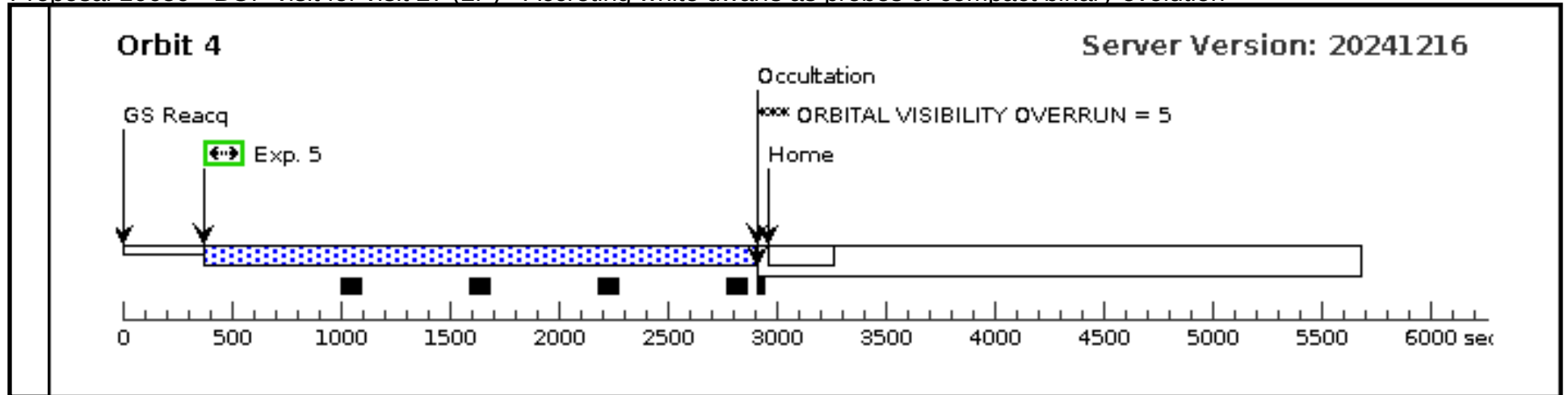
Proposal 16659 - BOP visit for visit 27 (2P) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for visit 27 (2P), withdrawn					Fri Apr 04 16:01:42 GMT 2025
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT 235D TO 100 D; BETWEEN 01-JUL-2023:00:00:00 AND 31-AUG-2023:00:00:00					
Comments: This visit is for BOP checking the safe target only and should not execute onboard HST						
Diagnostics	(BOP visit for visit 27 (2P)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for visit 27 (2P)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for visit 27 (2P)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for visit 27 (2P)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(27)	V-V1082-SGR	RA: 19 07 21.8648 (286.8411033d) Dec: -20 46 50.57 (-20.78071d) Equinox: J2000	Proper Motion RA: -0.7688814733637233 mas/yr Proper Motion Dec: -2.4347435261313324 mas/yr Parallax: 0.0015101483669977289" Epoch of Position: 2016.0	V=14.7 NUV=18.7, Gaia EDR3 4082090647900737 152, G=13.9, parallax=1.51(2) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					
	(95)	V-V1082-SGR-SAFE-TARGET	Offset from V-V1082-SGR RA Offset: 0.34 Secs Dec Offset: 8.489 Arcsec		V=14.7	Offset Position (V-V1082-SGR-SAFE-TARGET)
	Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.75 arcsec away at PA 29.5 degrees from V-V1082-SGR Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO					

Proposal 16659 - BOP visit for visit 27 (2P) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1856977)	(95) V-V1082-SGR- SAFE-TARGET	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				250 Secs (250 Secs)	
									[==>]	[1]
	Comments: Computed assuming a power law with index -2.33 and FUV=19.8. This is safe even if the target is observed in high state (FUV=14.8).									
	2	FP-POS=1 (1856929)	(95) V-V1082-SGR- SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=52 6; LIFETIME-POS=L P3			1686 Secs (1686 Secs)	
									[==>]	[1]
Exposures	Comments: Computed assuming a power law with index -2.33 and FUV=19.8. This is safe even if the target is observed in high state (FUV=14.8).									
	3	FP-POS=2 (1528421)	(95) V-V1082-SGR- SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=59 0; LIFETIME-POS=L P3			2473 Secs (2473 Secs)	
									[==>]	[2]
	Comments: Computed assuming a power law with index -2.33 and FUV=19.8. This is safe even if the target is observed in high state (FUV=14.8).									
	4	FP-POS=3 (1528421)	(95) V-V1082-SGR- SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=59 0; LIFETIME-POS=L P3			2473 Secs (2473 Secs)	
									[==>]	[3]
Exposures	Comments: Computed assuming a power law with index -2.33 and FUV=19.8. This is safe even if the target is observed in high state (FUV=14.8).									
	5	FP-POS=4 (1528421)	(95) V-V1082-SGR- SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=59 0; LIFETIME-POS=L P3			2473 Secs (2473 Secs)	
									[==>]	[4]
	Comments: Computed assuming a power law with index -2.33 and FUV=19.8. This is safe even if the target is observed in high state (FUV=14.8).									





Proposal 16659 - V-V479-AND (28) - Accreting white dwarfs as probes of compact binary evolution

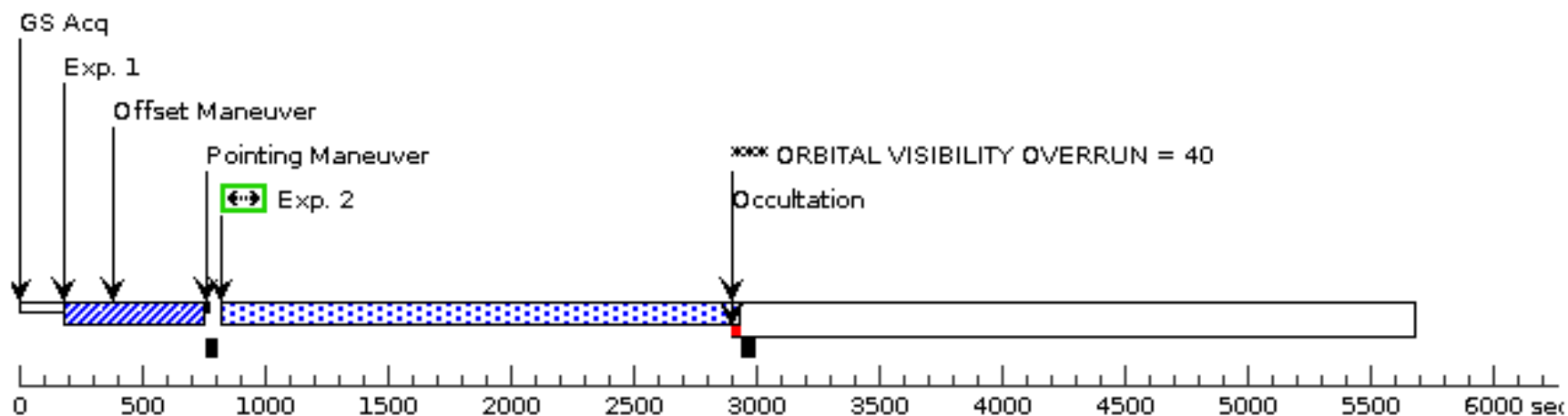
Visit	Proposal 16659, V-V479-AND (28), completed Fri Apr 04 16:01:42 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 250D TO 115 D; BETWEEN 01-DEC-2022:00:00:00 AND 31-DEC-2022:00:00:00 <i>Comments: This should be scheduled in the evening local time on a Thursday or Friday.</i>					
Diagnostics	(V-V479-AND (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-V479-AND (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-V479-AND (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-V479-AND (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(28)	V-V479-AND	RA: 00 18 56.9264 (4.7371933d) Dec: +34 54 44.18 (34.91227d) Equinox: J2000	Proper Motion RA: -4.946793901062014 mas/yr Proper Motion Dec: -3.405894777714542 mas/yr Parallax: 4.7606318650696865E-4" Epoch of Position: 2016.0	V=17.4 FUV=18.9, NUV=18.3, Gaia EDR3 2876157251000218496, G=17.1, parallax=0.48(7) mas.	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-V479-AND (28) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1832375)	(28) V-V479-AND	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V28S AF		140 Secs (140 Secs) [==>]	[1]
	Comments: Compute assuming a WD spectrum with $T_{\text{eff}}=19000\text{K}$, scaled to $\text{NUV}=19.4$ (as measured from <i>Galex</i> photometry in quiescence). The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector).									
	2	FP-POS=1 (1528464)	(28) V-V479-AND	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=53 21; LIFETIME-POS=L P3	USE OFFSET V28S AF		1904 Secs (1904 Secs) [==>]	[1]
	3	FP-POS=2 (1528464)	(28) V-V479-AND	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=53 21; LIFETIME-POS=L P3	USE OFFSET V28S AF		2471 Secs (2471 Secs) [==>]	[2]
	4	FP-POS=3 (1528464)	(28) V-V479-AND	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=53 21; LIFETIME-POS=L P3	USE OFFSET V28S AF		2471 Secs (2471 Secs) [==>]	[3]
	5	FP-POS=4 (1528464)	(28) V-V479-AND	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=53 21; LIFETIME-POS=L P3	USE OFFSET V28S AF		2471 Secs (2471 Secs) [==>]	[4]

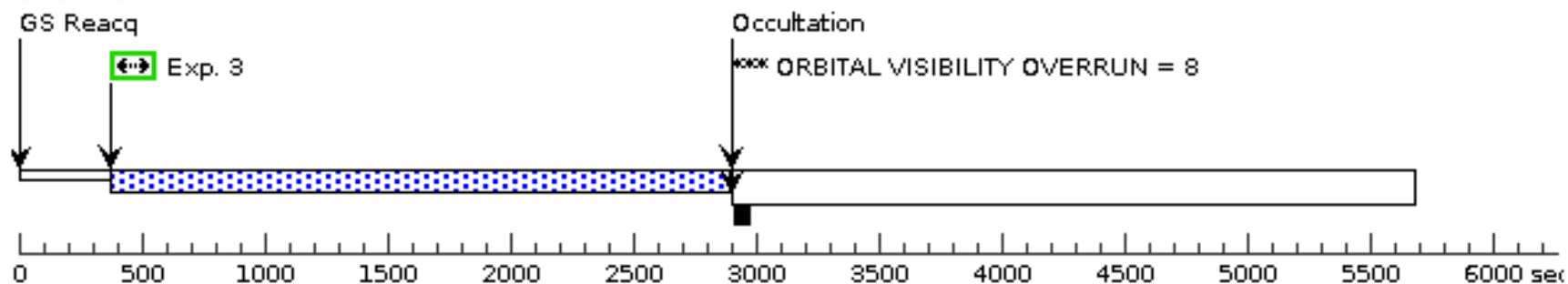
Orbit 1

Server Version: 20241216



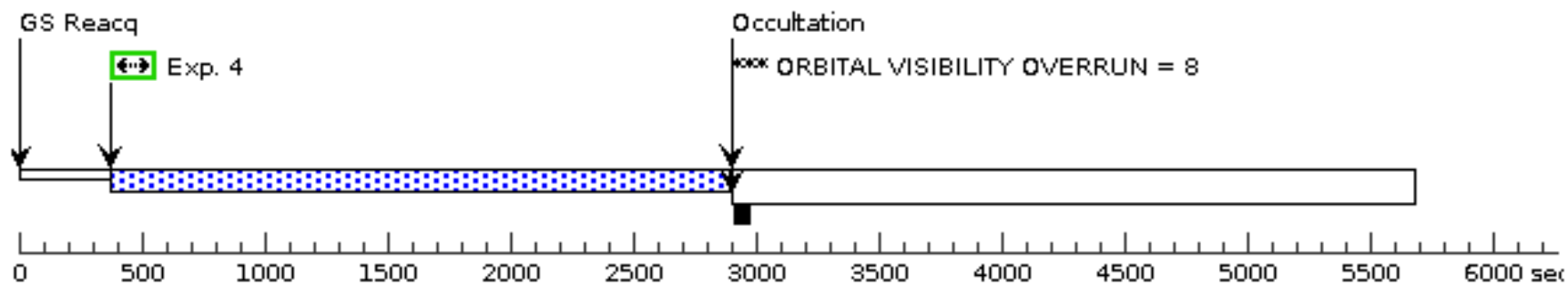
Orbit 2

Server Version: 20241216



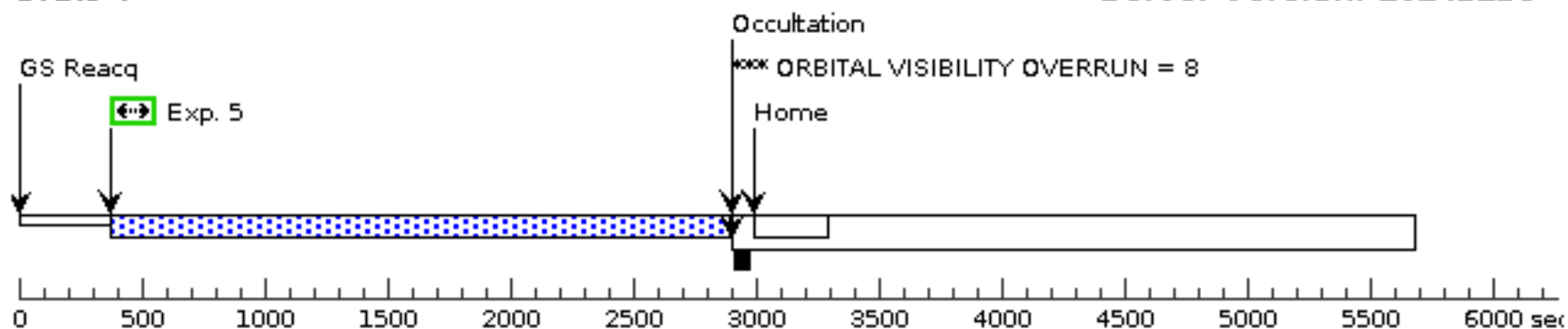
Orbit 3

Server Version: 20241216



Orbit 4

Server Version: 20241216



Proposal 16659 - S/C visit for Visit 28 (2Q) - Accreting white dwarfs as probes of compact binary evolution

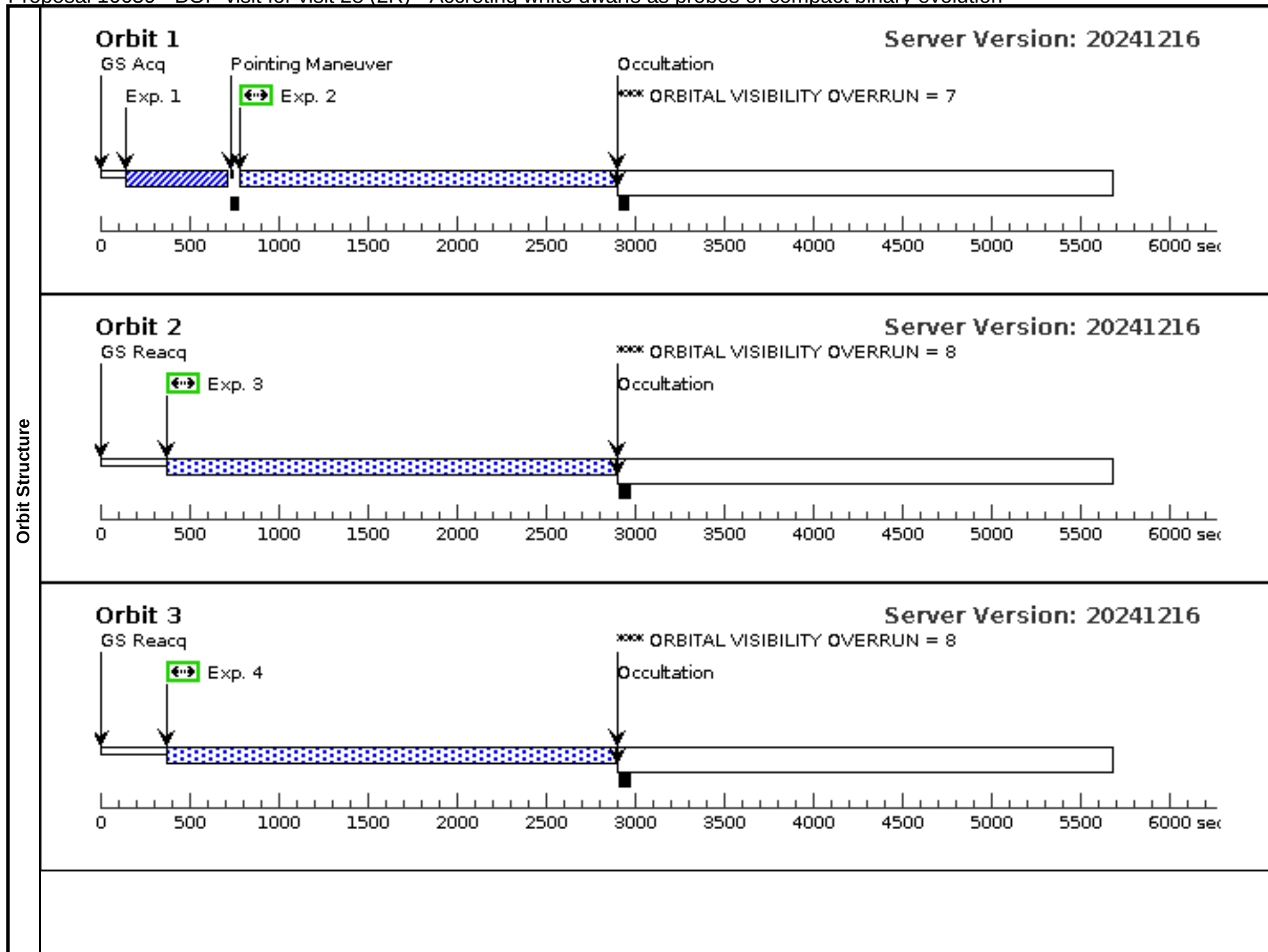
Visit	Proposal 16659, S/C visit for Visit 28 (2Q), completed					Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: S/C									
	Special Requirements: SCHED 100%; ORIENT 250D TO 115 D									
Comments: This visit allocates and sets up the safe position offset slot for visit 28 which will use that slot. This visits should execute no less than three and no greater than 5 days before visit 28. The S/C visit will only contain one exposure										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(28)	V-V479-AND	RA: 00 18 56.9264 (4.7371933d) Dec: +34 54 44.18 (34.91227d) Equinox: J2000	Proper Motion RA: -4.946793901062014 mas/yr Proper Motion Dec: -3.405894777714542 mas/yr Parallax: 4.7606318650696865E-4" Epoch of Position: 2016.0	V=17.4 FUV=18.9, NUV=18.3, Gaia EDR3 2876157251000218 496, G=17.1, parallax=0.48(7) mas.	Reference Frame: ICRS				
	Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(28) V-V479-AND	S/C, DATA, V1			POS TARG 232.723 0,-237.515; SAVE OFFSET V28 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGL E 46.8; QESIPARM DIST 9.723		5 Secs (5 Secs) [==>]	[1]
Orbit Structure										
	Orbit 1 GS Acq Unused Orbital Visibility = 2522 Exp. 1 Occultation Server Version: 20241216									

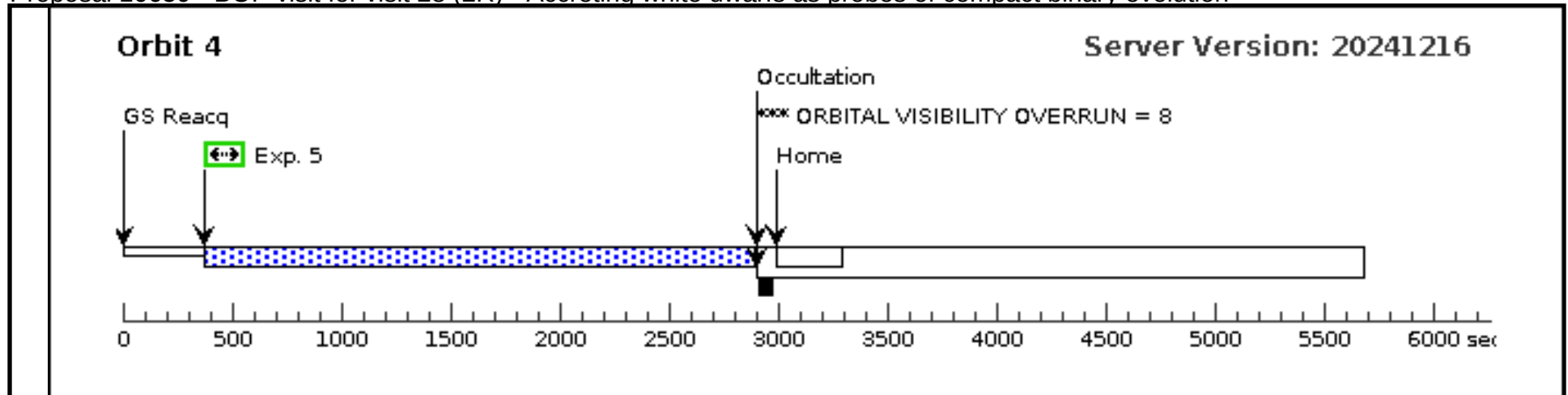
Proposal 16659 - BOP visit for visit 28 (2R) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for visit 28 (2R), withdrawn Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 250D TO 115 D; BETWEEN 01-DEC-2022:00:00:00 AND 31-DEC-2022:00:00:00 <i>Comments: This visit is for BOP checking the safe target only and should not execute on board HST.</i>				
Diagnostics	(BOP visit for visit 28 (2R)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (BOP visit for visit 28 (2R)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (BOP visit for visit 28 (2R)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (BOP visit for visit 28 (2R)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(28)	V-V479-AND	RA: 00 18 56.9264 (4.7371933d) Dec: +34 54 44.18 (34.91227d) Equinox: J2000	Proper Motion RA: -4.946793901062014 mas/yr Proper Motion Dec: -3.405894777714542 mas/yr Parallax: 4.7606318650696865E-4" Epoch of Position: 2016.0	V=17.4 FUV=18.9, NUV=18.3, Gaia EDR3 2876157251000218496, G=17.1, parallax=0.48(7) mas.
Fixed Targets	<i>Comments:</i> Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(87)	V-V479-SAFE-TARGET	Offset from V-V479-AND RA Offset: 0.57 Secs Dec Offset: 6.653 Arcsec		V=17.4 Offset Position (V-V479-SAFE-TARGET)
Fixed Targets	<i>Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.723 arcseconds away at PA 46.8 degrees from V-V479</i> Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

Proposal 16659 - BOP visit for visit 28 (2R) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1832375)	(87) V-V479-SAFE- TARGET	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				140 Secs (140 Secs) [==>]	[1]
	Comments: Compute assuming a WD spectrum with Teff=19000K, scaled to NUV=19.4 (as measured from Galex photometry in quiescence). The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector).									
	2	FP-POS=1 (1528464)	(87) V-V479-SAFE- TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=53 21; LIFETIME-POS=L P3			1904 Secs (1904 Secs) [==>]	[1]
	3	FP-POS=2 (1528464)	(87) V-V479-SAFE- TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=53 21; LIFETIME-POS=L P3			2471 Secs (2471 Secs) [==>]	[2]
	4	FP-POS=3 (1528464)	(87) V-V479-SAFE- TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=53 21; LIFETIME-POS=L P3			2471 Secs (2471 Secs) [==>]	[3]
	5	FP-POS=4 (1528464)	(87) V-V479-SAFE- TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=53 21; LIFETIME-POS=L P3			2471 Secs (2471 Secs) [==>]	[4]



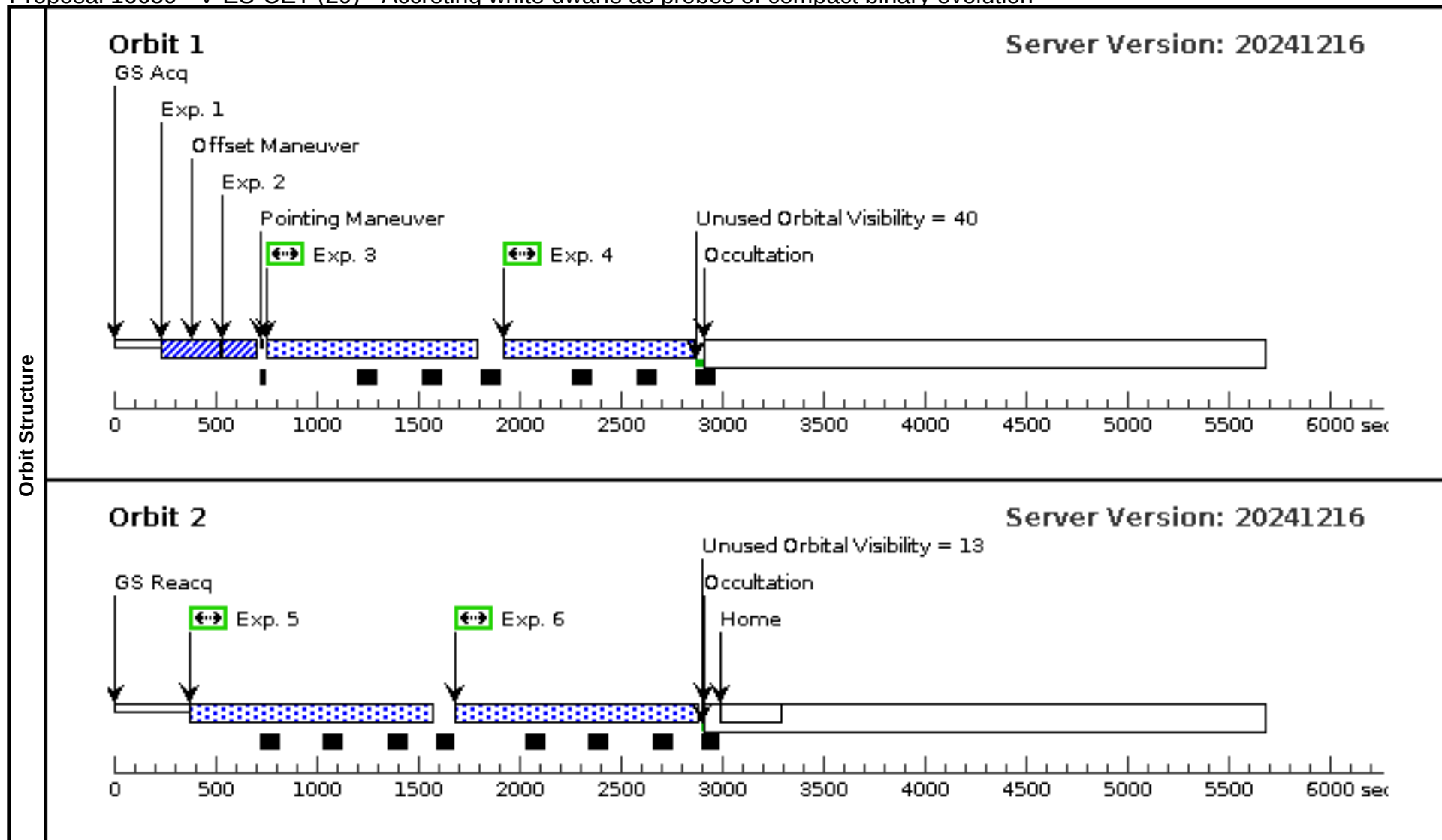


Proposal 16659 - V-ES-CET (29) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-ES-CET (29), completed Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 145D TO 10 D; BETWEEN 01-OCT-2024:00:00:00 AND 31-DEC-2024:00:00:00 Comments: <i>THis should be scheduled in evening local-time on a Thursday or Friday. Flags need to be cleared during the work day. Weekends & holidays are to be avoided since the CS must clear the target within 24 hours of HST execution</i>				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(29)	V-ES-CET	RA: 02 00 52.2550 (30.2177292d) Dec: -09 24 31.69 (-9.40880d) Equinox: J2000	Proper Motion RA: 17.668346314497832 mas/yr Proper Motion Dec: -3.155917236858101 mas/yr Parallax: 5.606060382641925E-4" Epoch of Position: 2016.0	V=17.0+/-0.2 FUV=15.4, NUV=15.7, Gaia EDR3 2462596293177188 480, G=16.8, parallax=0.56(7) mas.
Miscellaneous Reference Frame: ICRS					
Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-ES-CET (29) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1529068)	(29) V-ES-CET	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V29S AF		5 Secs (5 Secs) [==>]	[1]
	<i>Comments: Computed assuming a black body with $T_{\text{eff}}=40000\text{K}$, scaled to $FUV=15.6$ (from <i>Galex</i> observations).</i>									
	2	ACQ/PEAK D (1529068)	(29) V-ES-CET	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V29S AF		5 Secs (5 Secs) [==>]	[1]
	<i>Comments: Computed assuming a black body with $T_{\text{eff}}=40000\text{K}$, scaled to $FUV=15.6$ (from <i>Galex</i> observations).</i>									
	3	FP-POS=1 (1529074)	(29) V-ES-CET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=31 2; LIFETIME-POS=L P3	USE OFFSET V29S AF		917 Secs (887 Secs) [==>887.0 Secs]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
Exposures	4	FP-POS=2 (1529074)	(29) V-ES-CET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=31 2; LIFETIME-POS=L P3	USE OFFSET V29S AF		916 Secs (886 Secs) [==>886.0 Secs]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	5	FP-POS=3 (1529074)	(29) V-ES-CET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=31 2; LIFETIME-POS=L P3	USE OFFSET V29S AF		1152 Secs (1147 Secs) [==>1147.0 Secs]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	6	FP-POS=4 (1529074)	(29) V-ES-CET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=31 2; LIFETIME-POS=L P3	USE OFFSET V29S AF		1152 Secs (1147 Secs) [==>1147.0 Secs]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									



Proposal 16659 - S/C visit for visit 29 (2S) - Accreting white dwarfs as probes of compact binary evolution

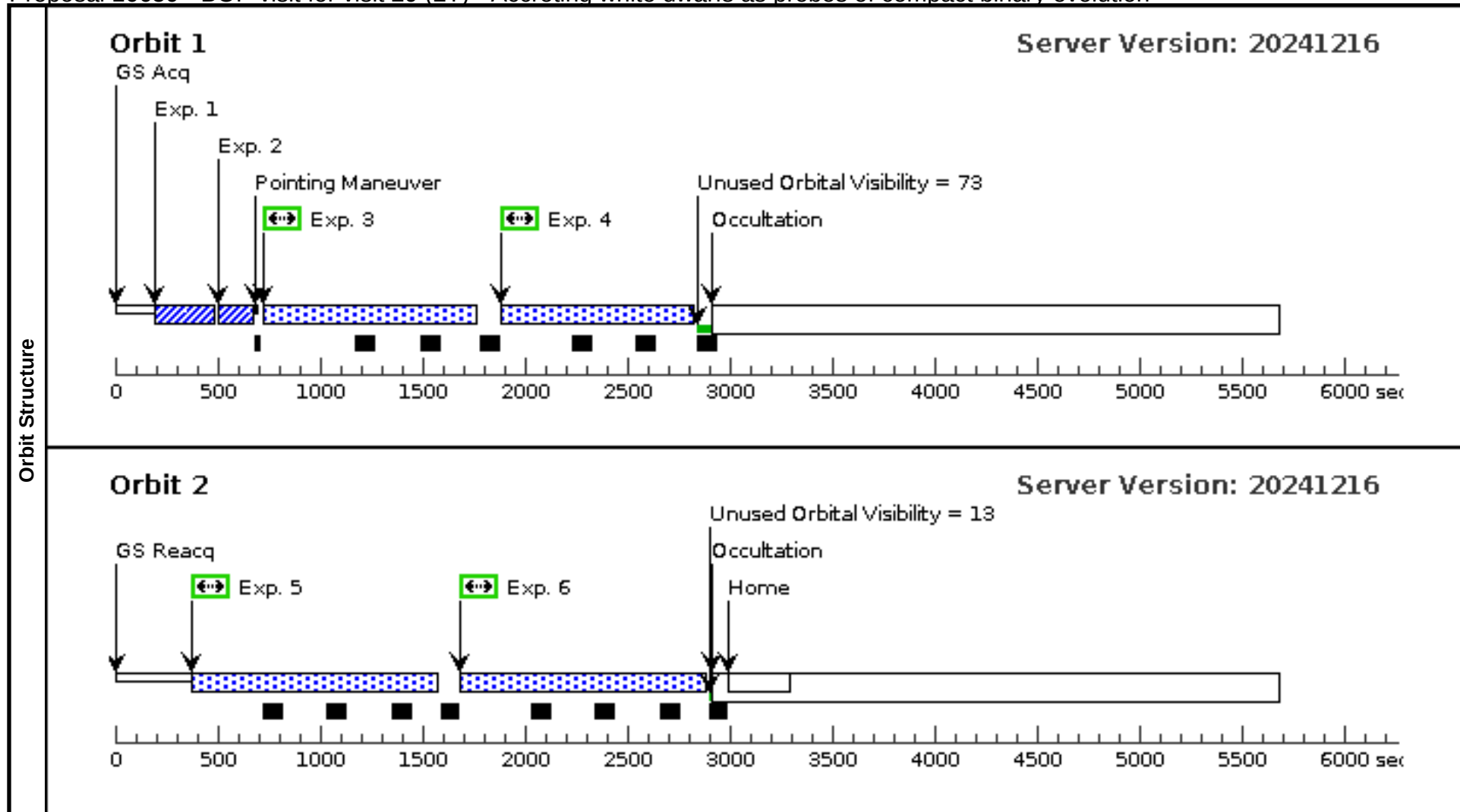
Visit	Proposal 16659, S/C visit for visit 29 (2S), completed										Fri Apr 04 16:01:42 GMT 2025
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: S/C										
	Special Requirements: SCHED 100%; ORIENT 145D TO 10 D										
Comments: This visit allocates and sets up the safe position offset slot for visit 29 which will use that slot. this S/C visit should go 3-5 days before visit 29. The S/C visit will contain only 1 exposure											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(29)	V-ES-CET	RA: 02 00 52.2550 (30.2177292d) Dec: -09 24 31.69 (-9.40880d) Equinox: J2000		Proper Motion RA: 17.668346314497832 mas/yr Proper Motion Dec: -3.155917236858101 mas/yr Parallax: 5.606060382641925E-4" Epoch of Position: 2016.0		V=17.0+/-0.2 FUV=15.4, NUV=15.7, Gaia EDR3 2462596293177188480, G=16.8, parallax=0.56(7) mas.		Reference Frame: ICRS		
	Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(29) V-ES-CET	S/C, DATA, V1			POS TARG 229.132 8,-241.0575; SAVE OFFSET V29 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 298.2; QESIPARM DIST 9.709		5 Secs (5 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20241216 GS Acq Unused Orbital Visibility = 2528 Occultation Exp. 1 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec										

Proposal 16659 - BOP visit for visit 29 (2T) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for visit 29 (2T), withdrawn					Fri Apr 04 16:01:42 GMT 2025
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: COS/FUV					
	Special Requirements: SCHED 100%; ORIENT 145D TO 10 D; BETWEEN 01-OCT-2024:00:00:00 AND 31-DEC-2024:00:00:00					
Comments: This should be scheduled in evening local-time on a Thursday or Friday. Flags need to be cleared during the work day. weeeekends & holidays are to be avoided since the CS must clear the target within 24 hours of HST execution						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(29)	V-ES-CET	RA: 02 00 52.2550 (30.2177292d) Dec: -09 24 31.69 (-9.40880d) Equinox: J2000	Proper Motion RA: 17.668346314497832 mas/yr Proper Motion Dec: -3.155917236858101 mas/yr Parallax: 5.606060382641925E-4" Epoch of Position: 2016.0	V=17.0+/-0.2 FUV=15.4, NUV=15.7, Gaia EDR3 2462596293177188 480, G=16.8, parallax=0.56(7) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					
	(106)	V-ES-CET-SAFE-TARGET	Offset from V-ES-CET RA Offset: -0.57 Secs Dec Offset: 4.589 Arcsec		V=17.0+/-0.2	Offset Position (V-ES-CET-SAFE-TARGET)
Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.709 arcseconds away at a PA 298.2 degrees from V-ES-CET Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO						

Proposal 16659 - BOP visit for visit 29 (2T) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1529068)	(106) V-ES-CET-SA FE-TARGET	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			5 Secs (5 Secs) [==>]	[1]
	Comments: Computed assuming a black body with $T_{\text{eff}}=40000\text{K}$, scaled to $FUV=15.6$ (from <i>Galex</i> observations).									
	2	ACQ/PEAK D (1529068)	(106) V-ES-CET-SA FE-TARGET	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			5 Secs (5 Secs) [==>]	[1]
	Comments: Computed assuming a black body with $T_{\text{eff}}=40000\text{K}$, scaled to $FUV=15.6$ (from <i>Galex</i> observations).									
	3	FP-POS=1 (1529074)	(106) V-ES-CET-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=31 2; LIFETIME-POS=L P3			917 Secs (887 Secs) [==>887.0 Secs]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	4	FP-POS=2 (1529074)	(106) V-ES-CET-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=31 2; LIFETIME-POS=L P3			916 Secs (886 Secs) [==>886.0 Secs]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	5	FP-POS=3 (1529074)	(106) V-ES-CET-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=31 2; LIFETIME-POS=L P3			1152 Secs (1147 Secs) [==>1147.0 Secs]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	6	FP-POS=4 (1529074)	(106) V-ES-CET-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=31 2; LIFETIME-POS=L P3			1152 Secs (1147 Secs) [==>1147.0 Secs]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									

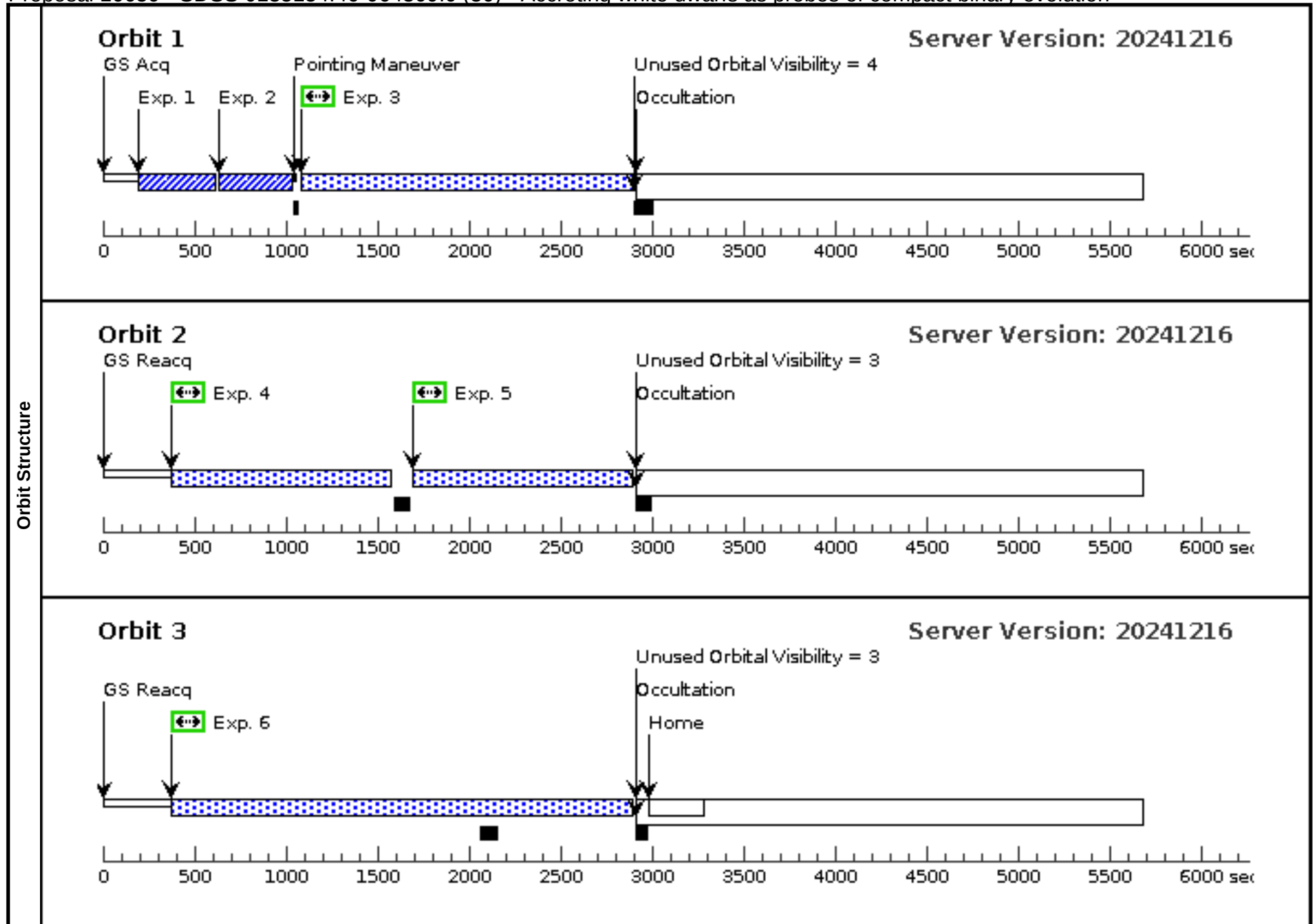


Proposal 16659 - SDSS-J135154.46-064309.0 (30) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, SDSS-J135154.46-064309.0 (30), implementation Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; BETWEEN 31-JAN-2024:00:00:00 AND 15-AUG-2024:00:00:00				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(30)	SDSS-J135154.46-064309.0	RA: 13 51 54.4639 (207.9769329d) Dec: -06 43 9.17 (-6.71921d) Equinox: J2000	Proper Motion RA: 5.515146645348629 mas/yr Proper Motion Dec: -17.95955786625172 mas/yr Parallax: 6.583811711531278E-4" Epoch of Position: 2016.0	V=17.7 FUV=17.9, NUV=18.2, Gaia EDR3 3620363418542428 416, G=18.7, parallax=0.6(2) mas.
Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - SDSS-J135154.46-064309.0 (30) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1528866)	(30) SDSS-J135154. 46-064309.0	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			50 Secs (50 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=30000\text{K}$, scaled to $FUV=18.1$ (from <i>Galex</i> observations).									
	2	ACQ/PEAK D (1528866)	(30) SDSS-J135154. 46-064309.0	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			50 Secs (50 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=30000\text{K}$, scaled to $FUV=18.1$ (from <i>Galex</i> observations).									
	3	FP-POS=1 (1528884)	(30) SDSS-J135154. 46-064309.0	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=16 54; LIFETIME-POS=L P3			1654 Secs (1654 Secs) [==>]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	4	FP-POS=2 (1528884)	(30) SDSS-J135154. 46-064309.0	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=16 54; LIFETIME-POS=L P3			1152 Secs (1152 Secs) [==>]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	5	FP-POS=3 (1528884)	(30) SDSS-J135154. 46-064309.0	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=16 54; LIFETIME-POS=L P3			1152 Secs (1152 Secs) [==>]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	6	FP-POS=4 (1528884)	(30) SDSS-J135154. 46-064309.0	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=16 54; LIFETIME-POS=L P3			2466 Secs (2466 Secs) [==>]	[3]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									

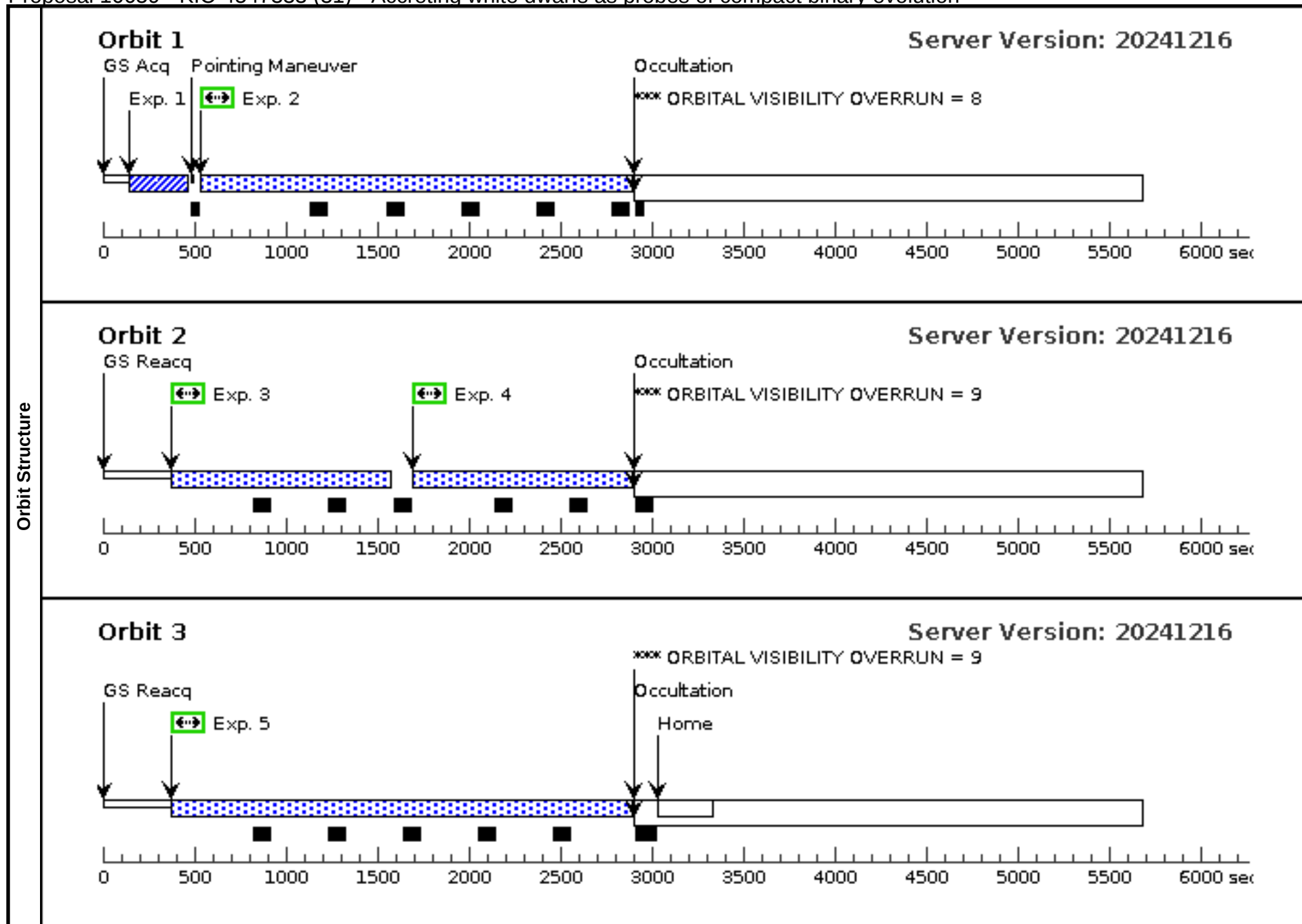


Proposal 16659 - KIC-4547333 (31) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, KIC-4547333 (31), completed Fri Apr 04 16:01:42 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; BETWEEN 01-JUN-2022:00:00:00 AND 30-JUN-2022:00:00:00					
Diagnostics	(KIC-4547333 (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (KIC-4547333 (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (KIC-4547333 (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(31)	KIC-4547333	RA: 19 08 17.0698 (287.0711242d) Dec: +39 40 36.36 (39.67677d) Equinox: J2000	Proper Motion RA: -7.237296866421783 mas/yr Proper Motion Dec: -5.254597021294678 mas/yr Parallax: 0.0010232346346401417" Epoch of Position: 2016.0	V=15.43 Gaia EDR3 2100480767163455 360, G=16.2, parallax=1.02(3) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

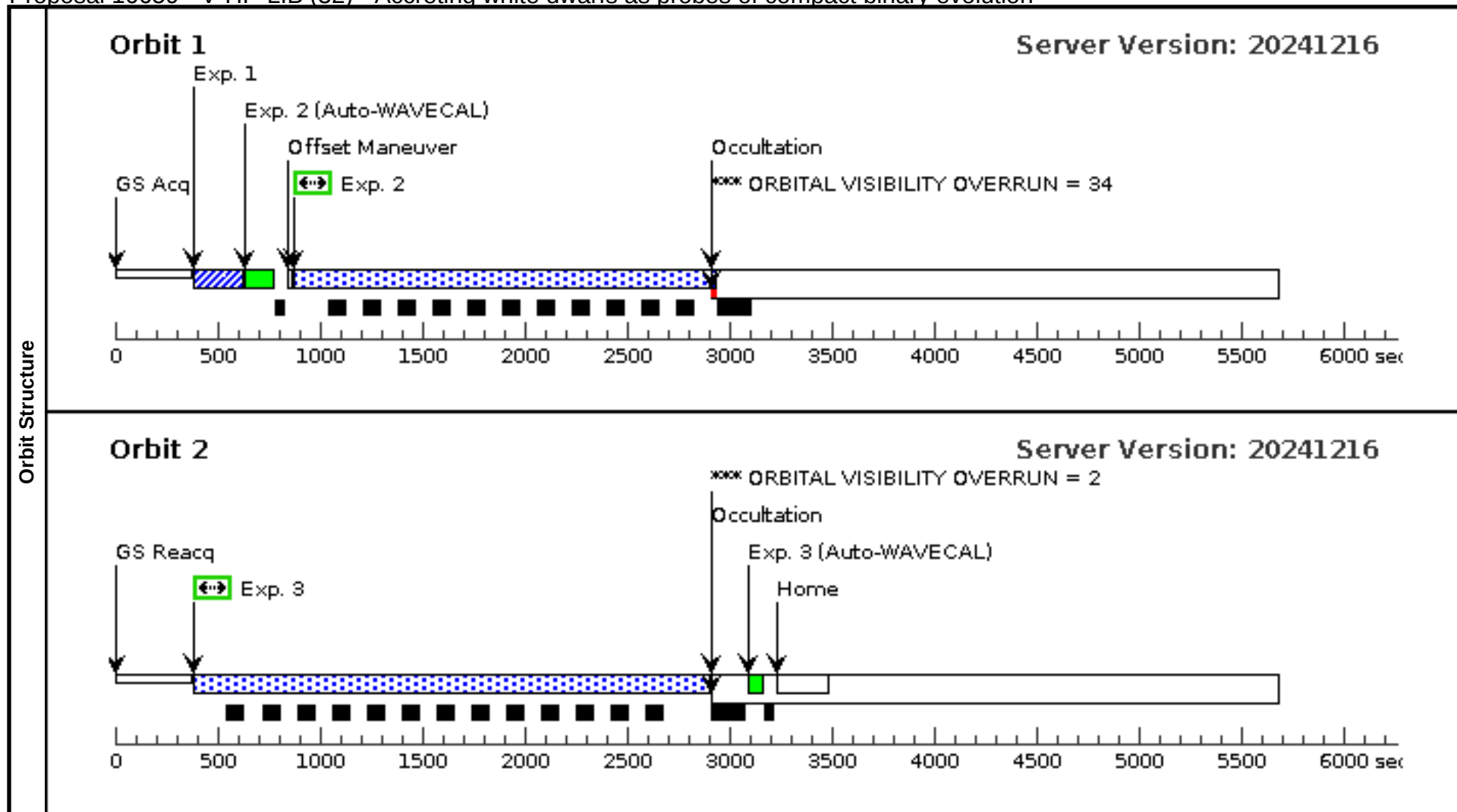
Proposal 16659 - KIC-4547333 (31) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1747055)	(31) KIC-4547333	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				15 Secs (15 Secs)	
									[==>]	[1]
	Comments: Computed assuming a black body with $T_{\text{eff}}=25000\text{K}$, scaled to $\text{NUV}=16.8$ (from <i>Galex</i> observations). Adding few seconds more to be a bit conservative.									
	2	FP-POS=1 (1529114)	(31) KIC-4547333	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=41 0; LIFETIME-POS=L P3			2154 Secs (2154 Secs)	
									[==>]	[1]
Exposures	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	3	FP-POS=2 (1529114)	(31) KIC-4547333	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=41 0; LIFETIME-POS=L P3			1150 Secs (1150 Secs)	
									[==>]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	4	FP-POS=3 (1529114)	(31) KIC-4547333	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=41 0; LIFETIME-POS=L P3			1149 Secs (1149 Secs)	
									[==>]	[2]
Exposures	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	5	FP-POS=4 (1529114)	(31) KIC-4547333	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=41 0; LIFETIME-POS=L P3			2471 Secs (2471 Secs)	
									[==>]	[3]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									



Proposal 16659 - V-HP-LIB (32) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-HP-LIB (32), failed										Fri Apr 04 16:01:42 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
	Special Requirements: SCHED 100%; BETWEEN 01-JUN-2023:00:00:00 AND 30-JUN-2023:00:00:00										
Comments: This should be scheduled on a Thursday or Friday evening local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution.											
Diagnostics	(V-HP-LIB (32)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(V-HP-LIB (32)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(V-HP-LIB (32)) Warning (Orbit Planner): USE OFFSET NOT SPECIFIED ON ALL EXPOSURES										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(32)	V-HP-LIB	RA: 15 35 53.0400 (233.9710000d) Dec: -14 13 12.42 (-14.22012d) Equinox: J2000	Proper Motion RA: -28.619027102541217 mas/yr Proper Motion Dec: -12.814774532899097 mas/yr Parallax: 0.0035674330494912" Epoch of Position: 2016.0			V=13.62+/-0.03 FUV=13.6, NUV=13.6, Gaia EDR3 6265476408553544 320, G=13.6, parallax=3.57(3) mas.	Reference Frame: ICRS			
	Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ (1529788)	(32) V-HP-LIB	STIS/CCD, ACQ, F28X50LP	MIRROR				3 Secs (3 Secs)		
									[==>]		[1]
	2	(1529801)	(32) V-HP-LIB	STIS/FUV-MAMA, TIME-TAG, 0.2X0.2	E140M 1425 A	BUFFER-TIME=17 0	USE OFFSET V32S AF		2041 Secs (2041 Secs)		
									[==>]		[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).										
	3	(1529801)	(32) V-HP-LIB	STIS/FUV-MAMA, TIME-TAG, 0.2X0.2	E140M 1425 A	BUFFER-TIME=17 0	USE OFFSET V32S AF		2505 Secs (2505 Secs)		
									[==>]		[2]
Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).											

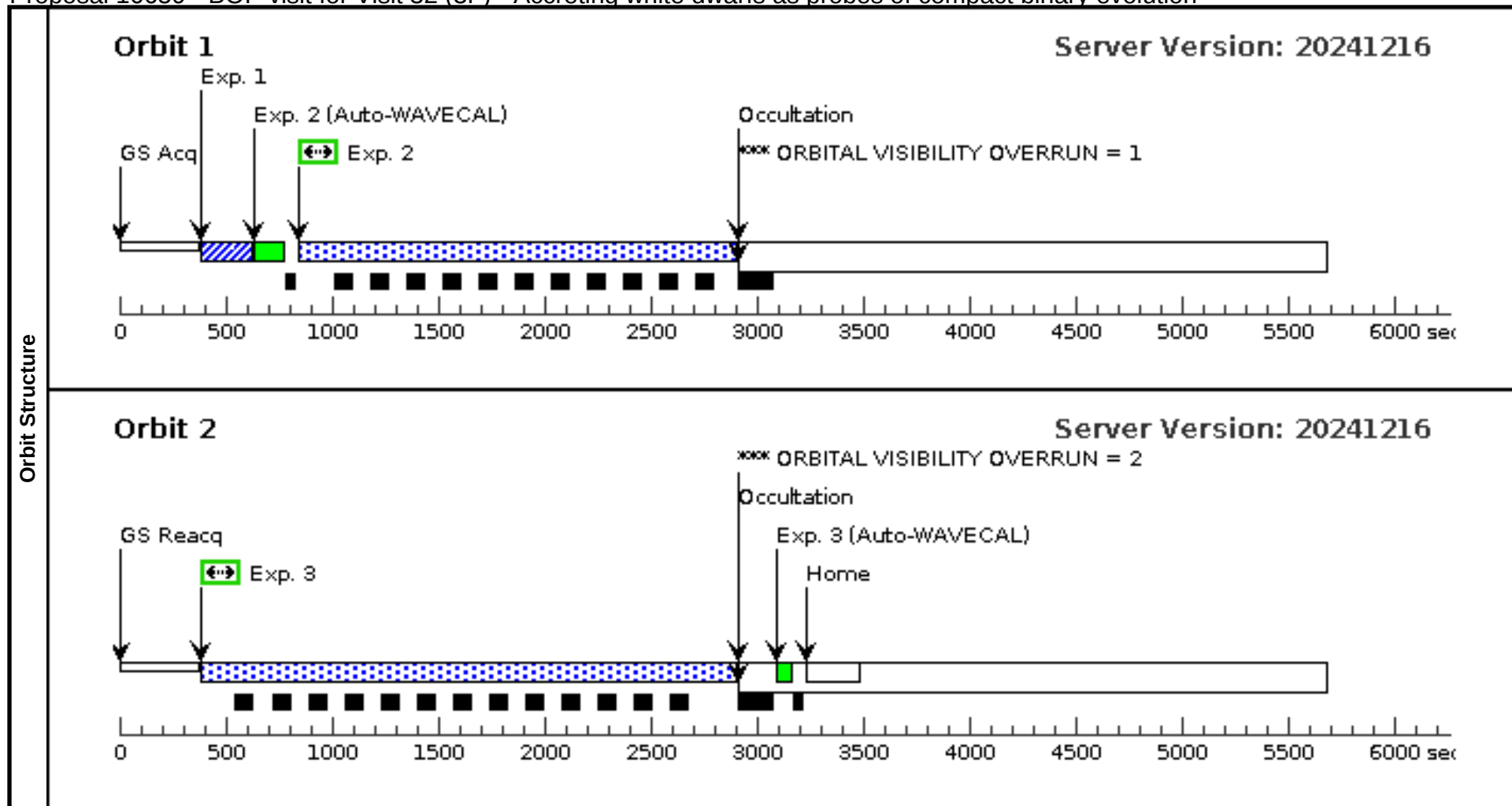


Proposal 16659 - S/C visit for Visit 32 (3E) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, S/C visit for Visit 32 (3E), completed					Fri Apr 04 16:01:42 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: S/C Special Requirements: SCHED 100% Comments: This visit allocates and sets up the safe position offset slot for visit 32 which will use that slot. This S/C visit should go earlier in the week while visit 32 will be at least 3 days later. The S/C visit will only contain one exposure.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(32)	V-HP-LIB	RA: 15 35 53.0400 (233.9710000d) Dec: -14 13 12.42 (-14.22012d) Equinox: J2000	Proper Motion RA: -28.619027102541217 mas/yr Proper Motion Dec: -12.814774532899097 mas/yr Parallax: 0.003567433049494912" Epoch of Position: 2016.0	V=13.62+/-0.03 FUV=13.6, NUV=13.6, Gaia EDR3 6265476408553544 320, G=13.6, parallax=3.57(3) mas.	Reference Frame: ICRS				
	Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(32) V-HP-LIB	S/C, DATA, V1			POS TARG -213.63 41,-224.7896; SAVE OFFSET V32 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGL E 52.3; QESIPARM DIST 9.783		5 Secs (5 Secs) [>=>]	[1]
Orbit Structure	Orbit 1									
	Server Version: 20241216									
	GS Acq Unused Orbital Visibility = 2528 Exp. 1 Occultation </									

Proposal 16659 - BOP visit for Visit 32 (3F) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for Visit 32 (3F), withdrawn						Fri Apr 04 16:01:42 GMT 2025			
	Diagnostic Status: Warning									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA									
	Special Requirements: SCHED 100%; BETWEEN 01-JUN-2023:00:00:00 AND 30-JUN-2023:00:00:00									
Comments: This visit is for BOP checking the safe target only and should not execute on board HST										
Diagnostics	(BOP visit for Visit 32 (3F)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(BOP visit for Visit 32 (3F)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(32)	V-HP-LIB	RA: 15 35 53.0400 (233.9710000d) Dec: -14 13 12.42 (-14.22012d) Equinox: J2000	Proper Motion RA: -28.619027102541217 mas/yr Proper Motion Dec: -12.814774532899097 mas/yr Parallax: 0.003567433049494912" Epoch of Position: 2016.0	V=13.62+/-0.03 FUV=13.6, NUV=13.6, Gaia EDR3 6265476408553544 320, G=13.6, parallax=3.57(3) mas.	Reference Frame: ICRS				
	Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO									
	(94)	V-HP-LIB-SAFE-TARGET	Offset from V-HP-LIB RA Offset: 0.53 Secs Dec Offset: 5.981 Arcsec		V=13.62+/-0.03	Offset Position (V-HP-LIB-SAFE-TARGET)				
Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.783" away at PA 52.3 degrees from V-HP-LIB Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ (1529788)	(94) V-HP-LIB-SAF E-TARGET	STIS/CCD, ACQ, F28X50LP	MIRROR				3 Secs (3 Secs)	
									[==>]	[1]
	2	(1529801)	(94) V-HP-LIB-SAF E-TARGET	STIS/FUV-MAMA, TIME-TAG, 0.2X0.2	E140M 1425 A	BUFFER-TIME=17 0			2041 Secs (2041 Secs)	
									[==>]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
3	(1529801)	(94) V-HP-LIB-SAF E-TARGET	STIS/FUV-MAMA, TIME-TAG, 0.2X0.2	E140M 1425 A	BUFFER-TIME=17 0			2505 Secs (2505 Secs)		
								[==>]	[2]	
Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).										

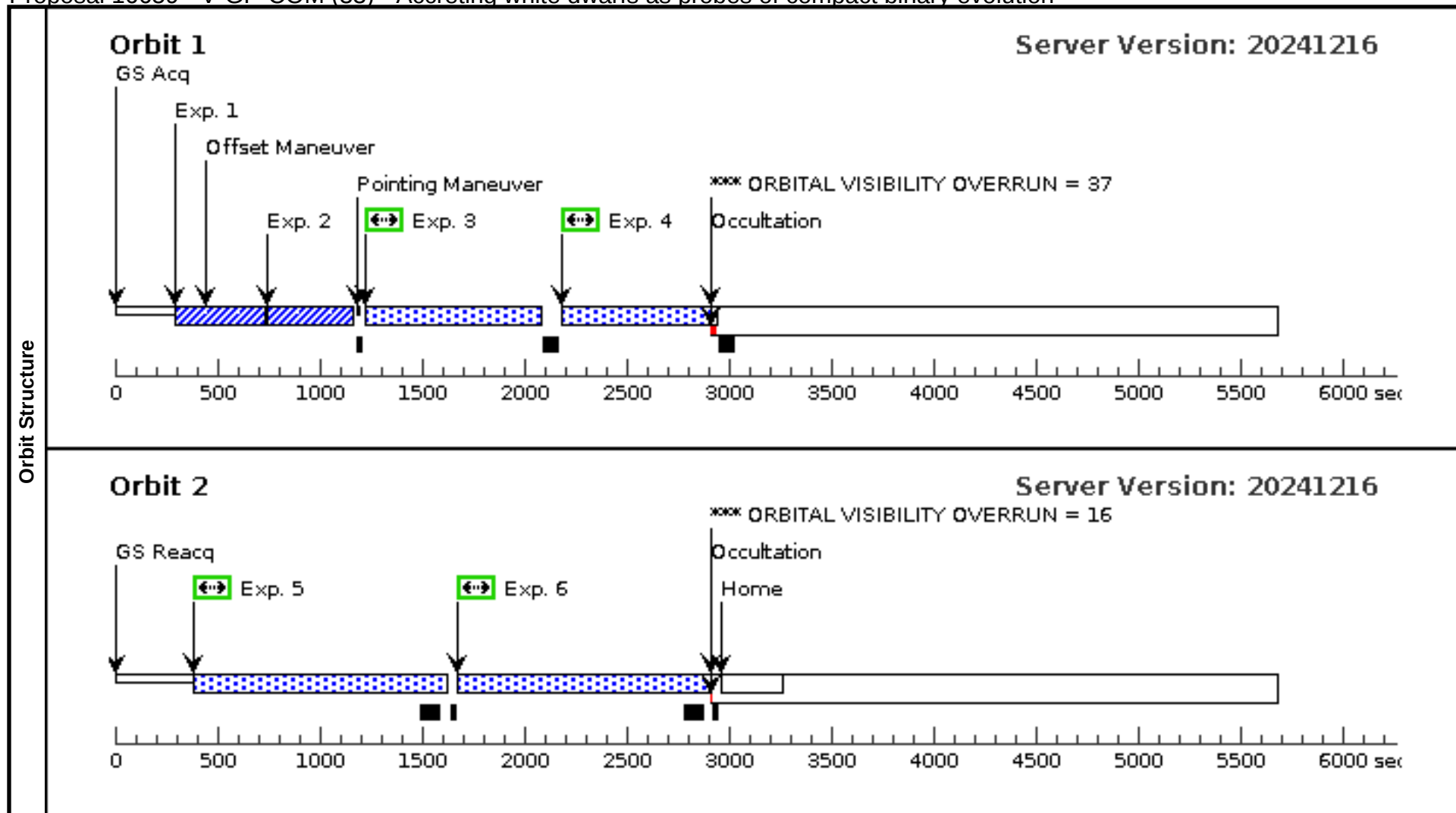


Proposal 16659 - V-GP-COM (33) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-GP-COM (33), failed Fri Apr 04 16:01:42 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 90D TO 325 D; BETWEEN 01-APR-2022:00:00:00 AND 30-APR-2022:23:00:00 <i>Comments: This should be scheduled in evening local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution</i>					
Diagnostics	(V-GP-COM (33)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE (V-GP-COM (33)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-GP-COM (33)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (ACQ/PEAKXD (33.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(33)	V-GP-COM	RA: 13 05 42.0141 (196.4250588d) Dec: +18 01 4.32 (18.01787d) Equinox: J2000	Proper Motion RA: -344.92388053360537 mas/yr Proper Motion Dec: 34.84858345430254 mas/yr Parallax: 0.013730567759497972" Epoch of Position: 2016.0	V=15.6 FUV=17.4, NUV=16.09, Gaia EDR3 3938156295111047680, G=15.9, parallax=13.74(4)	Reference Frame: ICRS
Fixed Targets	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-GP-COM (33) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1529733)	(33) V-GP-COM	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V33S AF; GS ACQ SCENARI O BASE1BE		55 Secs (55 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD models with Teff=15000K, scaled to FUV=18 (from Galex observations).</i>									
	2	ACQ/PEAK D (1529733)	(33) V-GP-COM	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V33S AF		55 Secs (55 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD models with Teff=15000K, scaled to FUV=18 (from Galex observations).</i>									
	3	FP-POS=1 (1530437)	(33) V-GP-COM	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=11 62; LIFETIME-POS=L P3	USE OFFSET V33S AF		734 Secs (703 Secs) [==>703.0 Secs]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	4	FP-POS=2 (1530437)	(33) V-GP-COM	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=11 62; LIFETIME-POS=L P3	USE OFFSET V33S AF		734 Secs (703 Secs) [==>703.0 Secs]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	5	FP-POS=3 (1530437)	(33) V-GP-COM	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=10 74; LIFETIME-POS=L P3	USE OFFSET V33S AF		1184 Secs (1184 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	6	FP-POS=4 (1530437)	(33) V-GP-COM	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=10 74; LIFETIME-POS=L P3	USE OFFSET V33S AF		1184 Secs (1184 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									



Proposal 16659 - S/C visit for Visit 33 (3G) - Accreting white dwarfs as probes of compact binary evolution

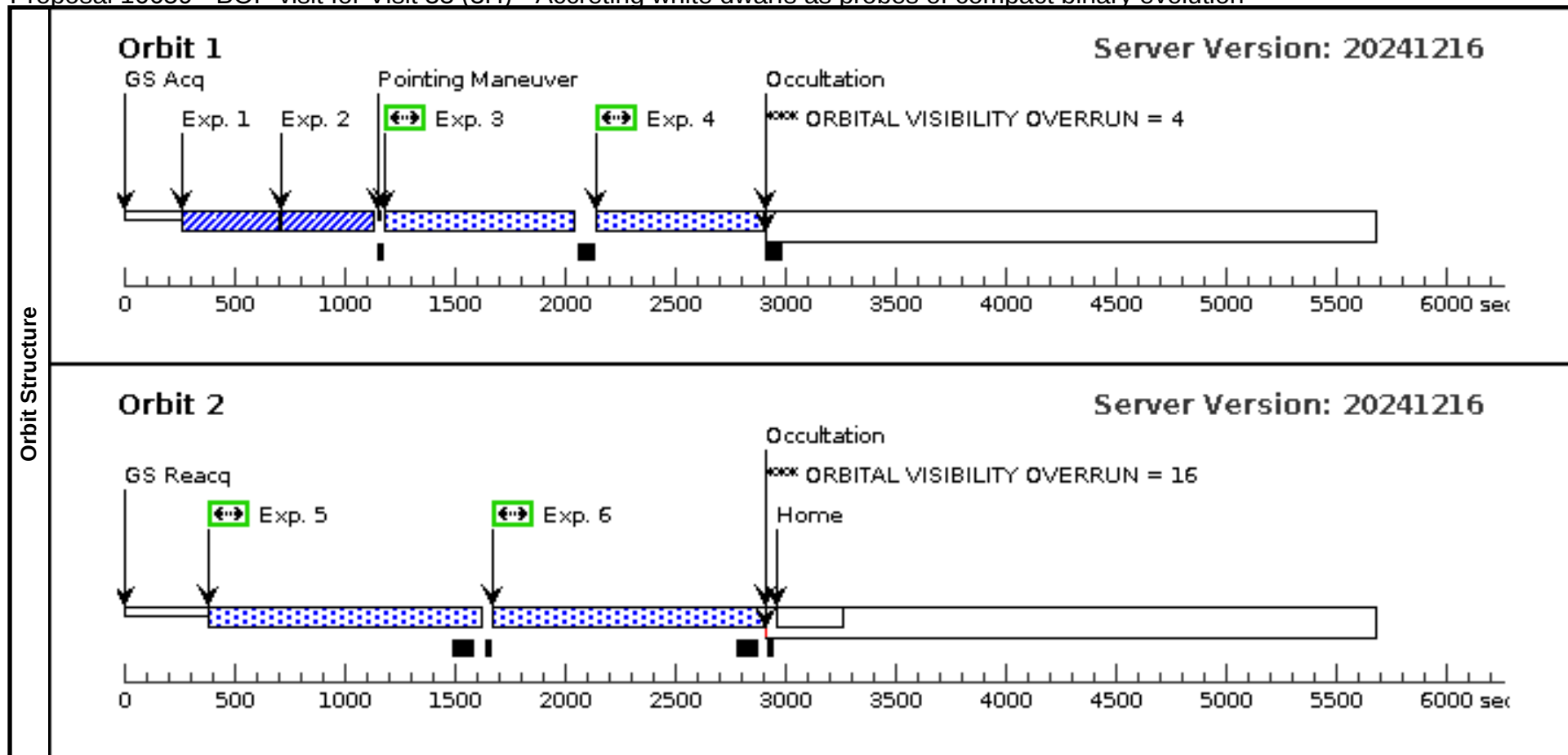
Visit	Proposal 16659, S/C visit for Visit 33 (3G), completed										Fri Apr 04 16:01:43 GMT 2025	
	Diagnostic Status: No Diagnostics											
Scientific Instruments: S/C												
Special Requirements: SCHED 100%; ORIENT 90D TO 325 D												
Comments: This visit allocates and sets up the safe position offset slot for visit 33 which will use that slot. This S/C visit should go earlier in the week while visit 33 will be at least 3 days later. The S/C visit will only contain 1 exposure												
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(33)	V-GP-COM	RA: 13 05 42.0141 (196.4250588d) Dec: +18 01 4.32 (18.01787d) Equinox: J2000		Proper Motion RA: -344.92388053360537 mas/yr Proper Motion Dec: 34.84858345430254 mas/yr Parallax: 0.013730567759497972" Epoch of Position: 2016.0		V=15.6 FUV=17.4, NUV=16.09, Gaia EDR3 3938156295111047680, G=15.9, parallax=13.74(4)		Reference Frame: ICRS			
Comments: Category=STAR Description=[ACCRETION DISK, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(33) V-GP-COM	S/C, DATA, V1			POS TARG 229.132 8,-241.0575; SAVE OFFSET V33 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGL E 238.5; QESIPARM DIST 9.794		5 Secs (5 Secs) [==>]		[1]	
Orbit Structure	Orbit 1											Server Version: 20241216
	GS Acq Unused Orbital Visibility = 2528 Exp. 1 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Proposal 16659 - BOP visit for Visit 33 (3H) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for Visit 33 (3H), withdrawn Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 90D TO 325 D; BETWEEN 01-APR-2022:00:00:00 AND 30-APR-2022:00:00:00 <i>Comments: This visit is for BOP checking the safe target only and should not execute onboard HST</i>				
Diagnostics	(BOP visit for Visit 33 (3H)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE (BOP visit for Visit 33 (3H)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (BOP visit for Visit 33 (3H)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (ACQ/PEAKXD (3H.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(33)	V-GP-COM	RA: 13 05 42.0141 (196.4250588d) Dec: +18 01 4.32 (18.01787d) Equinox: J2000	Proper Motion RA: -344.92388053360537 mas/yr Proper Motion Dec: 34.84858345430254 mas/yr Parallax: 0.013730567759497972" Epoch of Position: 2016.0	V=15.6 FUV=17.4, NUV=16.09, Gaia EDR3 3938156295111047680, G=15.9, parallax=13.74(4)
Fixed Targets	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(81)	V-GP-COM-SAFE-TARGET	Offset from V-GP-COM RA Offset: -0.58 Secs Dec Offset: -5.115 Arcsec		V=15.6 Offset Position (V-GP-COM-SAFE-TARGET)
Fixed Targets	<i>Comments: This target is a blank piece of sky which is the bright object safe pointing for target V-GP-COM and is 9.794 arcsec away at PA 238.5</i> Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

Proposal 16659 - BOP visit for Visit 33 (3H) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1529733)	(81) V-GP-COM-SA FE-TARGET	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	GS ACQ SCENARI O BASE1BE		55 Secs (55 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=15000\text{K}$, scaled to $FUV=18$ (from <i>Galex</i> observations).									
	2	ACQ/PEAK D (1529733)	(81) V-GP-COM-SA FE-TARGET	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			55 Secs (55 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=15000\text{K}$, scaled to $FUV=18$ (from <i>Galex</i> observations).									
	3	FP-POS=1 (1530437)	(81) V-GP-COM-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=11 62; LIFETIME-POS=L P3			734 Secs (703 Secs) [==>703.0 Secs]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	4	FP-POS=2 (1530437)	(81) V-GP-COM-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=11 62; LIFETIME-POS=L P3			734 Secs (703 Secs) [==>703.0 Secs]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	5	FP-POS=3 (1530437)	(81) V-GP-COM-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=10 74; LIFETIME-POS=L P3			1184 Secs (1184 Secs) [==>]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	6	FP-POS=4 (1530437)	(81) V-GP-COM-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=10 74; LIFETIME-POS=L P3			1184 Secs (1184 Secs) [==>]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									

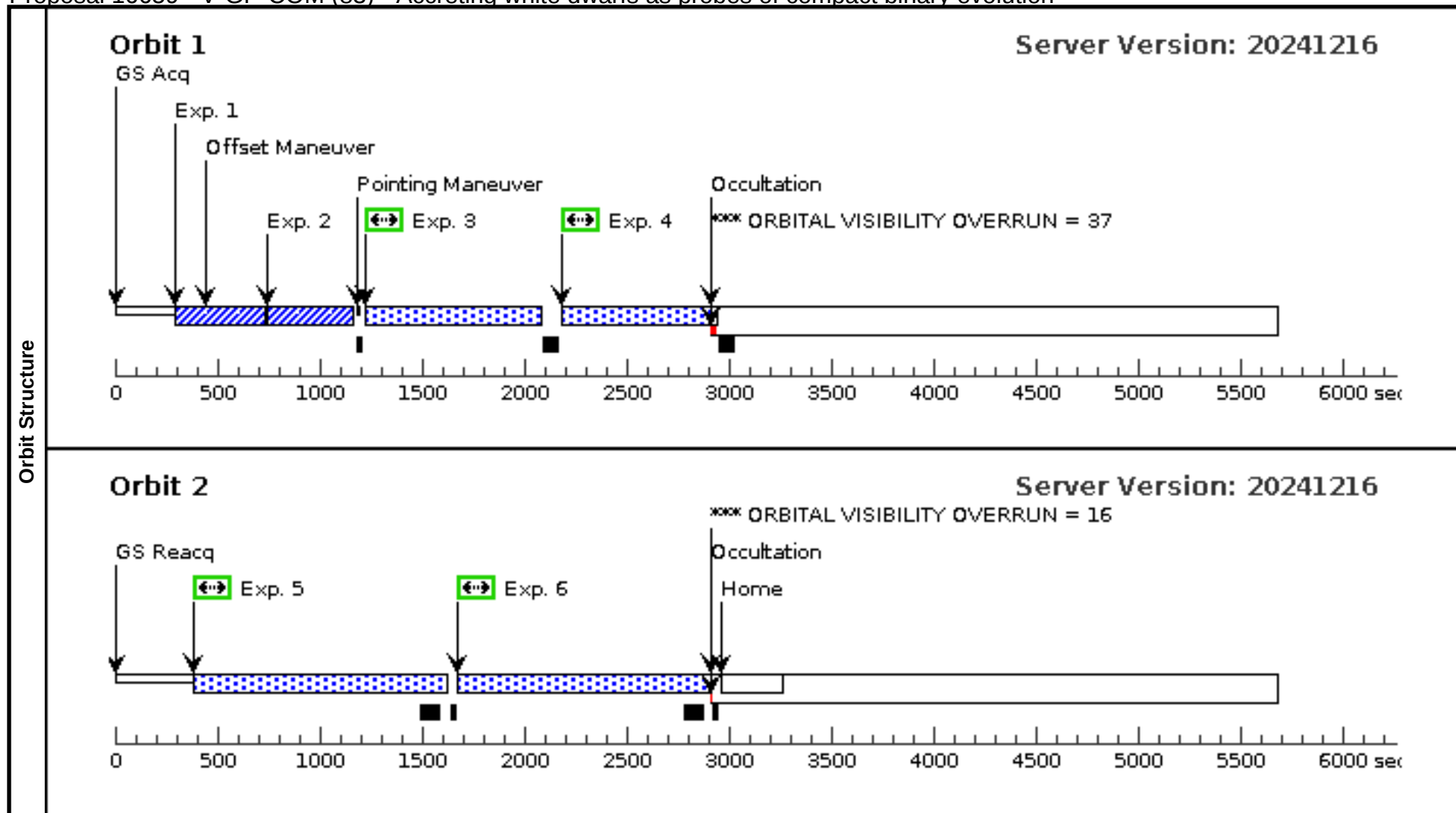


Proposal 16659 - V-GP-COM (83) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-GP-COM (83), completed Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 15D TO 245 D <i>Comments: This should be scheduled in evening local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution</i>				
Diagnostics	(V-GP-COM (83)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE (V-GP-COM (83)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-GP-COM (83)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (ACQ/PEAKXD (83.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(93)	V-GP-COM-2	RA: 13 05 42.0141 (196.4250588d) Dec: +18 01 4.32 (18.01787d) Equinox: J2000	Proper Motion RA: -344.92388053360537 mas/yr Proper Motion Dec: 34.84858345430254 mas/yr Parallax: 0.013730567759497972" Epoch of Position: 2016.0	V=15.6 FUV=17.4, NUV=16.09, Gaia EDR3 3938156295111047680, G=15.9, parallax=13.74(4)
	Miscellaneous Reference Frame: ICRS				
	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				

Proposal 16659 - V-GP-COM (83) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1529733)	(93) V-GP-COM-2	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V83S AF; GS ACQ SCENARI O BASE1BE		55 Secs (55 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD models with Teff=15000K, scaled to FUV=18 (from Galex observations).</i>									
	2	ACQ/PEAK D (1529733)	(93) V-GP-COM-2	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V83S AF		55 Secs (55 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD models with Teff=15000K, scaled to FUV=18 (from Galex observations).</i>									
	3	FP-POS=1 (1530437)	(93) V-GP-COM-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=11 62; LIFETIME-POS=L P3	USE OFFSET V83S AF		734 Secs (703 Secs) [==>703.0 Secs]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	4	FP-POS=2 (1530437)	(93) V-GP-COM-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=11 62; LIFETIME-POS=L P3	USE OFFSET V83S AF		734 Secs (703 Secs) [==>703.0 Secs]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	5	FP-POS=3 (1530437)	(93) V-GP-COM-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=10 74; LIFETIME-POS=L P3	USE OFFSET V83S AF		1184 Secs (1184 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	6	FP-POS=4 (1530437)	(93) V-GP-COM-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=10 74; LIFETIME-POS=L P3	USE OFFSET V83S AF		1184 Secs (1184 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									



Proposal 16659 - S/C visit for Visit 83 (8G) - Accreting white dwarfs as probes of compact binary evolution

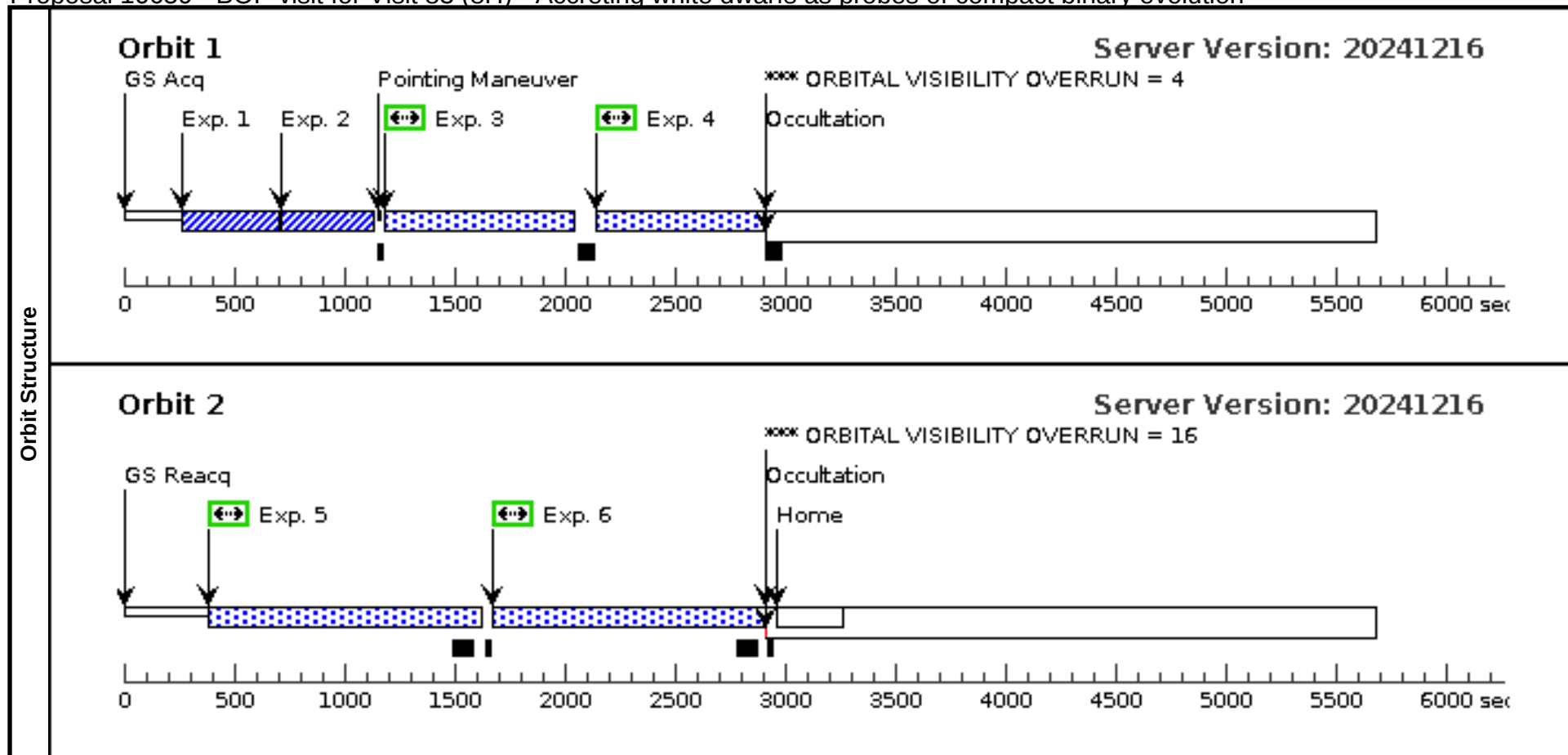
Visit	Proposal 16659, S/C visit for Visit 83 (8G), completed										Fri Apr 04 16:01:43 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: S/C											
	Special Requirements: SCHED 100%; ORIENT 15D TO 245 D											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous				
	(93)	V-GP-COM-2	RA: 13 05 42.0141 (196.4250588d) Dec: +18 01 4.32 (18.01787d) Equinox: J2000	Proper Motion RA: -344.92388053360537 mas/yr Proper Motion Dec: 34.84858345430254 mas/yr Parallax: 0.013730567759497972" Epoch of Position: 2016.0			V=15.6 FUV=17.4, NUV=16.09, Gaia EDR3 3938156295111047680, G=15.9, parallax=13.74(4)	Reference Frame: ICRS				
	Comments: Category=STAR Description=[ACCRETION DISK, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit		
	1		(93) V-GP-COM-2	S/C, DATA, V1			POS TARG 229.132 8,-241.0575; SAVE OFFSET V83 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 359.6; QESIPARM DIST 9.503		5 Secs (5 Secs) [>=>]	[1]		
Orbit Structure	Orbit 1											Server Version: 20241216

Proposal 16659 - BOP visit for Visit 83 (8H) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for Visit 83 (8H), withdrawn Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 15D TO 245 D <i>Comments: This visit is used only for BOP checking the safe offset target and should not execute onboard HST.</i>				
Diagnostics	(BOP visit for Visit 83 (8H)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE (BOP visit for Visit 83 (8H)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (BOP visit for Visit 83 (8H)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (ACQ/PEAKXD (8H.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(92)	V-GP-COM-SAFE-TARGET-2	Offset from V-GP-COM-2 RA Offset: 0.0 Secs Dec Offset: -9.503 Arcsec		V=15.6
Fixed Targets	<i>Comments: This target is a blank piece of sky which serves as the bright object safe pointing and is 9.503 arcseconds away at PA 359.6 degrees from V-GP-COM-2.</i> <i>Note that this is the second safe target associated with V-GP-COM. This is because the visit associated with this target (33) failed and is being reimplemented under a repeat visit (83) which uses a new offset direction.</i> Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				
	(93)	V-GP-COM-2	RA: 13 05 42.0141 (196.4250588d) Dec: +18 01 4.32 (18.01787d) Equinox: J2000	Proper Motion RA: -344.92388053360537 mas/yr Proper Motion Dec: 34.84858345430254 mas/yr Parallax: 0.013730567759497972" Epoch of Position: 2016.0	V=15.6 FUV=17.4, NUV=16.09, Gaia EDR3 3938156295111047 680, G=15.9, parallax=13.74(4)
Fixed Targets	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				

Proposal 16659 - BOP visit for Visit 83 (8H) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1529733)	(92) V-GP-COM-SA FE-TARGET-2	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	GS ACQ SCENARI O BASE1BE		55 Secs (55 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD models with Teff=15000K, scaled to FUV=18 (from Galex observations).</i>									
	2	ACQ/PEAK D (1529733)	(92) V-GP-COM-SA FE-TARGET-2	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			55 Secs (55 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD models with Teff=15000K, scaled to FUV=18 (from Galex observations).</i>									
	3	FP-POS=1 (1530437)	(92) V-GP-COM-SA FE-TARGET-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=11 62; LIFETIME-POS=L P3			734 Secs (703 Secs) [==>703.0 Secs]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	4	FP-POS=2 (1530437)	(92) V-GP-COM-SA FE-TARGET-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=11 62; LIFETIME-POS=L P3			734 Secs (703 Secs) [==>703.0 Secs]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	5	FP-POS=3 (1530437)	(92) V-GP-COM-SA FE-TARGET-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=10 74; LIFETIME-POS=L P3			1184 Secs (1184 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	6	FP-POS=4 (1530437)	(92) V-GP-COM-SA FE-TARGET-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=10 74; LIFETIME-POS=L P3			1184 Secs (1184 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									

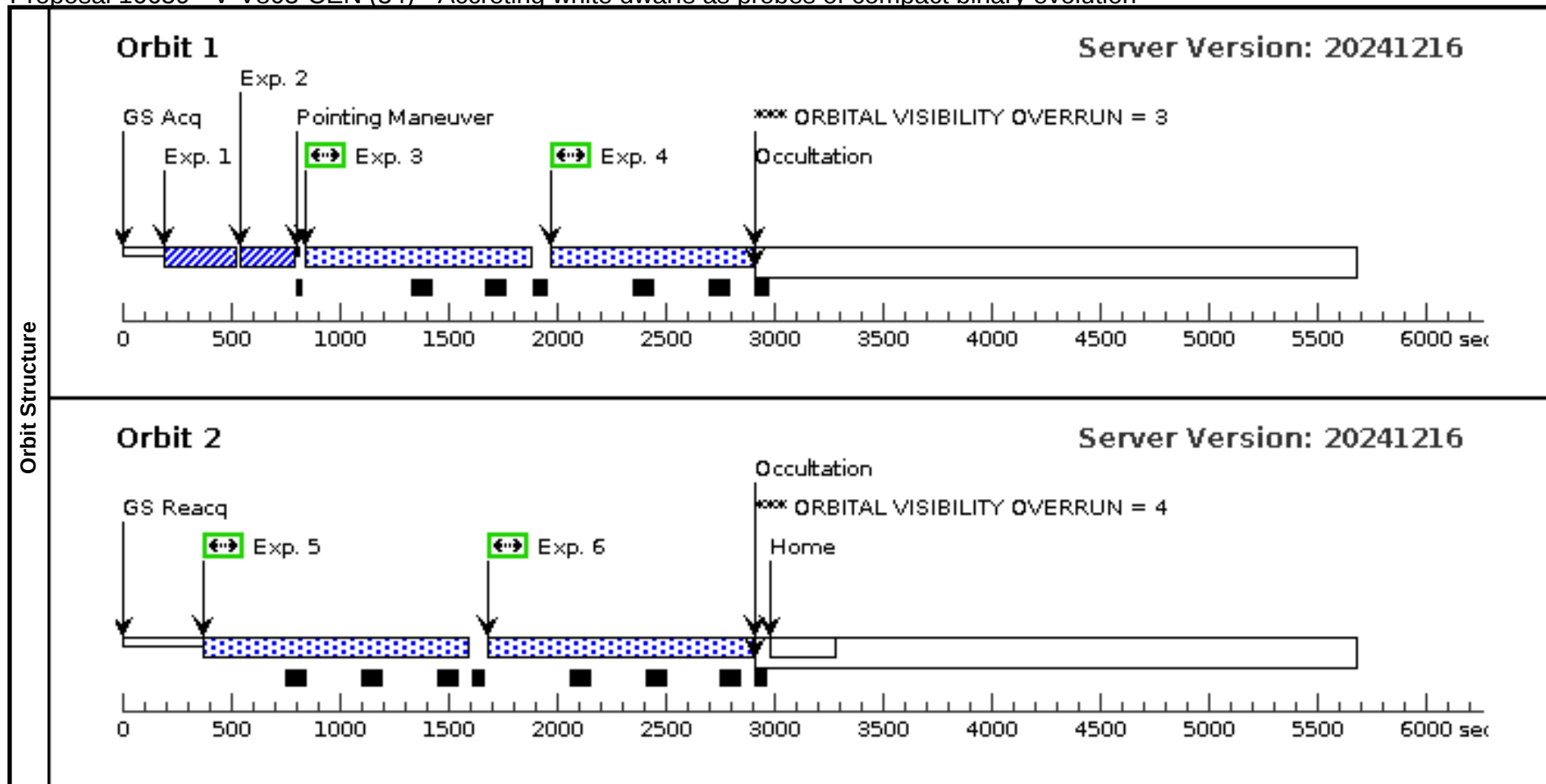


Proposal 16659 - V-V803-CEN (34) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-V803-CEN (34), implementation Fri Apr 04 16:01:43 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; BETWEEN 09-JAN-2023:00:00:00 AND 25-AUG-2023:00:00:00 <i>Comments: Needs further discussion of the monitoring and scheduling strategy</i>					
Diagnostics	(V-V803-CEN (34)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (V-V803-CEN (34)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(34)	V-V803-CEN	RA: 13 23 44.5333 (200.9355554d) Dec: -41 44 29.26 (-41.74146d) Equinox: J2000	Proper Motion RA: -3.9070027620419205 mas/yr Proper Motion Dec: 11.978335677182095 mas/yr Parallax: 0.003488491459851618" Epoch of Position: 2016.0	V=15 FUV=14.7, NUV=14.7, Gaia EDR3 6137049739573759 872, G=15.7, parallax=3.48(6) mas.	Reference Frame: ICRS
Fixed Targets	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-V803-CEN (34) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1529367)	(34) V-V803-CEN	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			20 Secs (20 Secs) [==>]	[1]
	<i>Comments: Computed assuming a black boddly with Teff=30000K, scaled to NUV=17.</i>									
	2	ACQ/PEAK D (1529367)	(34) V-V803-CEN	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			20 Secs (20 Secs) [==>]	[1]
	<i>Comments: Computed assuming a black boddly with Teff=30000K, scaled to NUV=17.</i>									
	3	FP-POS=1 (1529411)	(34) V-V803-CEN	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=34 6; LIFETIME-POS=L P3			879 Secs (879 Secs) [==>]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	4	FP-POS=2 (1529411)	(34) V-V803-CEN	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=34 6; LIFETIME-POS=L P3			879 Secs (879 Secs) [==>]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	5	FP-POS=3 (1529411)	(34) V-V803-CEN	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=34 6; LIFETIME-POS=L P3			1170 Secs (1170 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	6	FP-POS=4 (1529411)	(34) V-V803-CEN	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=34 6; LIFETIME-POS=L P3			1169 Secs (1169 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									

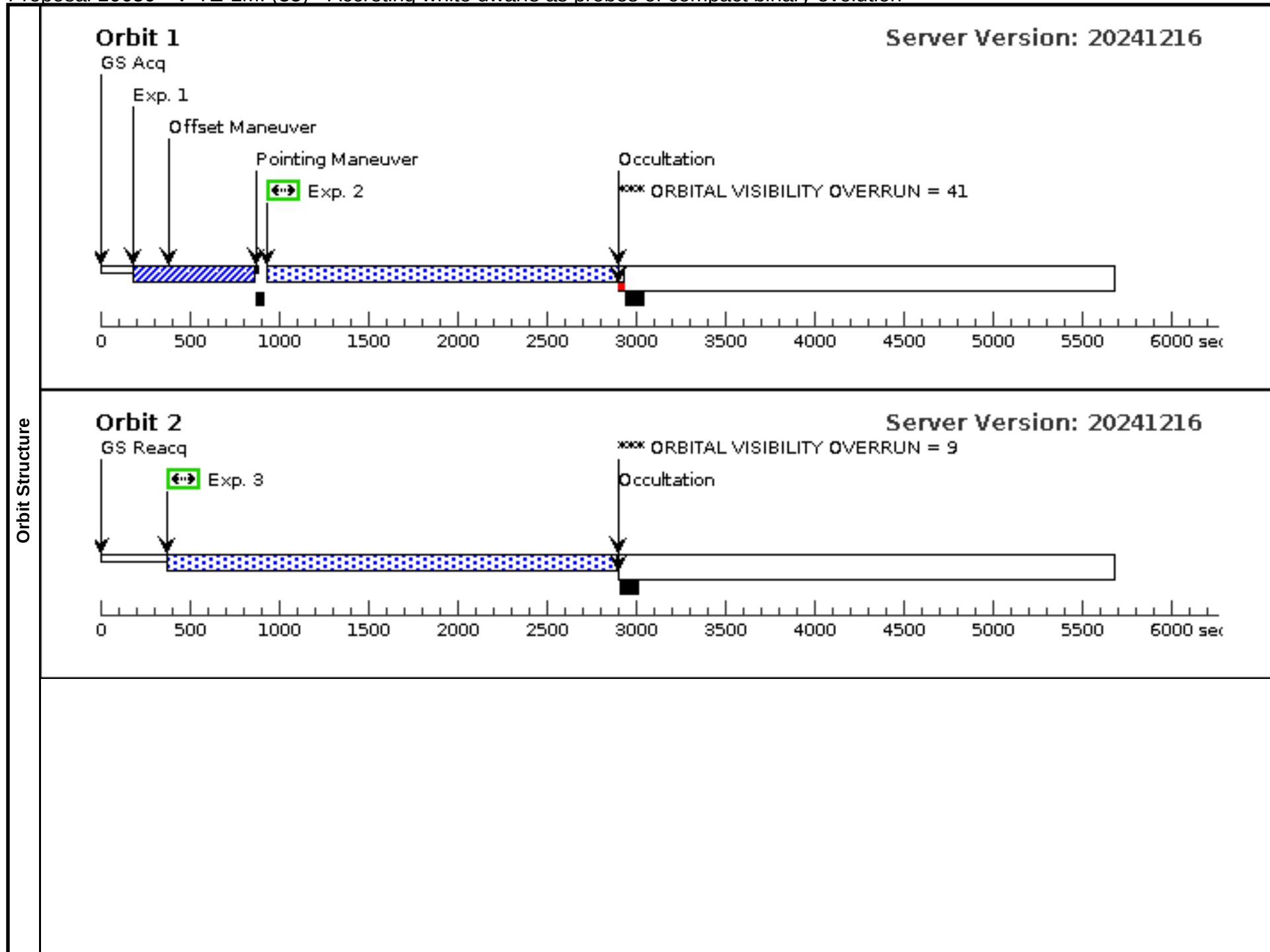


Proposal 16659 - V-YZ-LMI (35) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-YZ-LMI (35), completed					Fri Apr 04 16:01:43 GMT 2025
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT 150D TO 20 D; BETWEEN 01-DEC-2021:00:00:00 AND 31-DEC-2021:00:00:00					
	Comments: This system is eclipsing, and the target acquisition should be scheduled such that it avoids the eclipse.					
	Ephemeris from Copperwheat et al. (2011).					
	This should be scheduled in evening-local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution					
Diagnostics	(V-YZ-LMI (35)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(V-YZ-LMI (35)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(V-YZ-LMI (35)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(V-YZ-LMI (35)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(35)	V-YZ-LMI	RA: 09 26 38.6839 (141.6611829d) Dec: +36 24 2.40 (36.40067d) Equinox: J2000	Proper Motion RA: -31.06009251833163 mas/yr Proper Motion Dec: -3.671789941206275 mas/yr Parallax: 0.001227189425171611" Epoch of Position: 2016.0	V=18.6 FUV=18.9, NUV=18.7, Gaia EDR3 7987643468315160 32, G=19.3, parallax=1.2(2) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

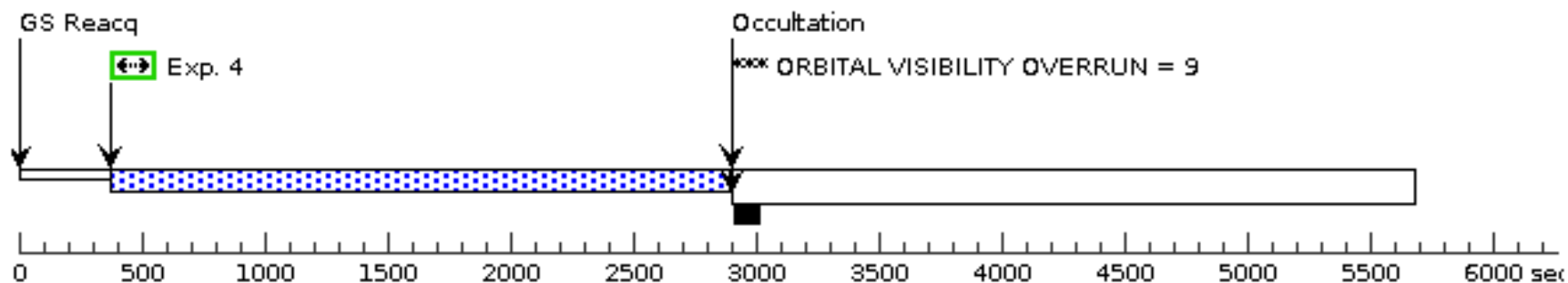
Proposal 16659 - V-YZ-LMI (35) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1529585)	(35) V-YZ-LMI	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V35S AF		194 Secs (194 Secs) [==>]	[1]
	<i>Comments: The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector).</i>									
	2	FP-POS=1 (1529569)	(35) V-YZ-LMI	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=17 96; LIFETIME-POS=L P3	USE OFFSET V35S AF		1796 Secs (1796 Secs) [==>]	[1]
	3	FP-POS=2 (1529569)	(35) V-YZ-LMI	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=24 71; LIFETIME-POS=L P3	USE OFFSET V35S AF		2471 Secs (2471 Secs) [==>]	[2]
	4	FP-POS=3 (1529569)	(35) V-YZ-LMI	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=24 71; LIFETIME-POS=L P3	USE OFFSET V35S AF		2471 Secs (2471 Secs) [==>]	[3]
	5	FP-POS=4 (1529569)	(35) V-YZ-LMI	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=24 71; LIFETIME-POS=L P3	USE OFFSET V35S AF		2471 Secs (2471 Secs) [==>]	[4]



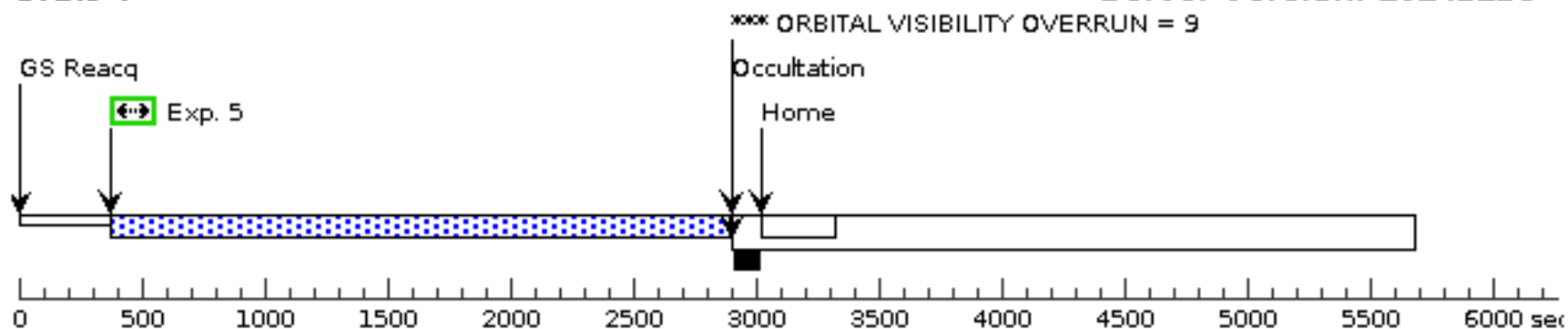
Orbit 3

Server Version: 20241216



Orbit 4

Server Version: 20241216



Proposal 16659 - S/C visit for Visit 35 (3K) - Accreting white dwarfs as probes of compact binary evolution

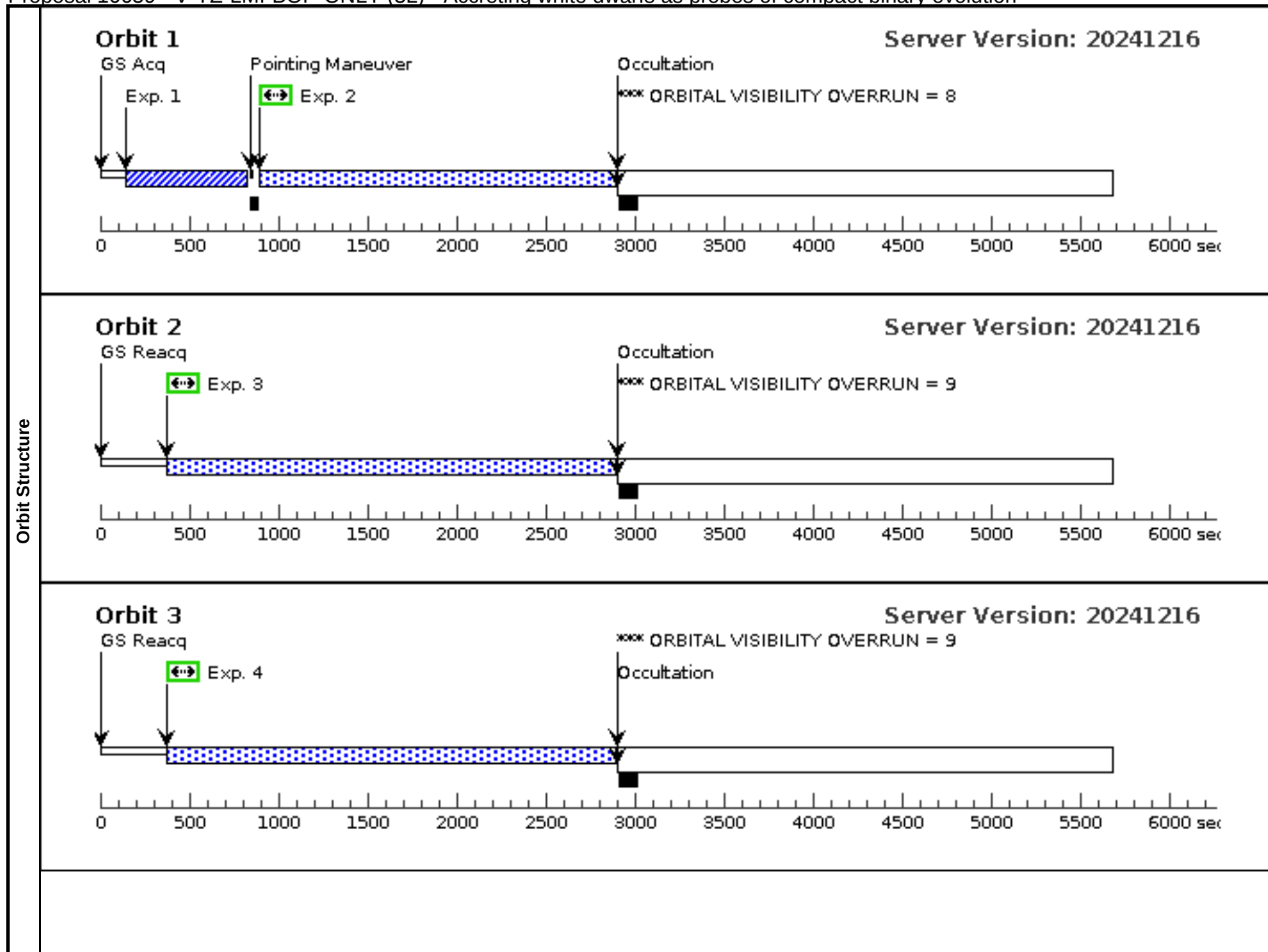
Visit	Proposal 16659, S/C visit for Visit 35 (3K), completed					Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: S/C Special Requirements: SCHED 100%; ORIENT 150D TO 20 D Comments: This visit allocates and sets up the safe position offset slot for visit 35 which will use that slot. This S/C visit should go earlier in the week while visit 35 will be at least 3 days later. The S/C visit will contain only 1 exposure									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(35)	V-YZ-LMI	RA: 09 26 38.6839 (141.6611829d) Dec: +36 24 2.40 (36.40067d) Equinox: J2000	Proper Motion RA: -31.06009251833163 mas/yr Proper Motion Dec: -3.671789941206275 mas/yr Parallax: 0.001227189425171611" Epoch of Position: 2016.0	V=18.6 FUV=18.9, NUV=18.7, Gaia EDR3 798764346831516032, G=19.3, parallax=1.2(2) mas.	Reference Frame: ICRS				
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO									
Fixed Targets	(76)	V-YZ-LMI-SAFE-TARGET	Offset from V-YZ-LMI RA Offset: -0.58 Secs Dec Offset: 5.671 Arcsec		V=18.6	Offset Position (V-YZ-LMI-SAFE-TARGET)				
	Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.085 arcsec away and at PA 308.6 degrees from V-YZ-LMI Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(76) V-YZ-LMI-SAFE-TARGET	S/C, DATA, V1			POS TARG 232.723, -237.515; SAVE OFFSET V35 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 308.6; QESIPARM DIST 9.085		5 Secs (5 Secs) [=>]	[1]
Orbit Structure	Orbit 1 GS Acq Unused Orbital Visibility = 2521 Exp. 1 Occultation									

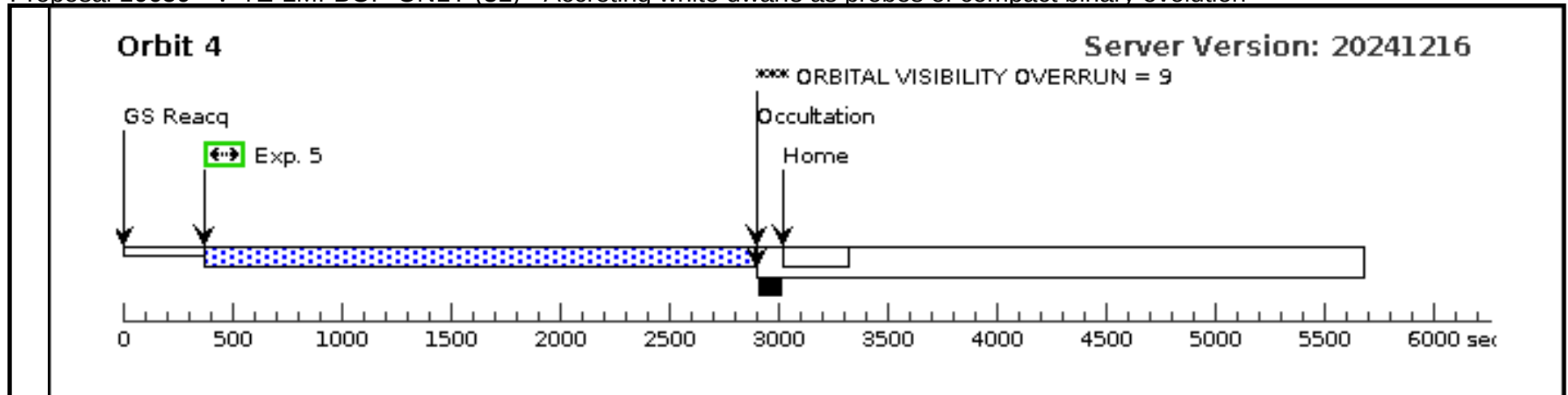
Proposal 16659 - V-YZ-LMI-BOP-ONLY (3L) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-YZ-LMI-BOP-ONLY (3L), withdrawn					Fri Apr 04 16:01:43 GMT 2025
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT 150D TO 20 D; BETWEEN 01-DEC-2021:00:00:00 AND 31-DEC-2021:00:00:00					
	Comments: This system is eclipsing, and the target acquisition should be scheduled such that it avoids the eclipse. Ephemeris from Copperwheat et al. (2011)					
This visit is for BOP checking the safe target only and should not execute onboard HST.						
Diagnostics	(V-YZ-LMI-BOP-ONLY (3L)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(V-YZ-LMI-BOP-ONLY (3L)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(V-YZ-LMI-BOP-ONLY (3L)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(V-YZ-LMI-BOP-ONLY (3L)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(35)	V-YZ-LMI	RA: 09 26 38.6839 (141.6611829d) Dec: +36 24 2.40 (36.40067d) Equinox: J2000	Proper Motion RA: -31.06009251833163 mas/yr Proper Motion Dec: -3.671789941206275 mas/yr Parallax: 0.001227189425171611" Epoch of Position: 2016.0	V=18.6 FUV=18.9, NUV=18.7, Gaia EDR3 798764346831516032, G=19.3, parallax=1.2(2) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					
	(76)	V-YZ-LMI-SAFE-TARGET	Offset from V-YZ-LMI RA Offset: -0.58 Secs Dec Offset: 5.671 Arcsec		V=18.6	Offset Position (V-YZ-LMI-SAFE-TARGET)
	Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.085 arcsec away and at PA 308.6 degrees from V-YZ-LMI Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO					

Proposal 16659 - V-YZ-LMI-BOP-ONLY (3L) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1529585)	(76) V-YZ-LMI-SA FE-TARGET	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				194 Secs (194 Secs) [==>]	[1]
	<i>Comments: The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector).</i>									
	2	FP-POS=1 (1529569)	(76) V-YZ-LMI-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=17 96; LIFETIME-POS=L P3			1796 Secs (1796 Secs) [==>]	[1]
	3	FP-POS=2 (1529569)	(76) V-YZ-LMI-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=24 71; LIFETIME-POS=L P3			2471 Secs (2471 Secs) [==>]	[2]
	4	FP-POS=3 (1529569)	(76) V-YZ-LMI-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=24 71; LIFETIME-POS=L P3			2471 Secs (2471 Secs) [==>]	[3]
	5	FP-POS=4 (1529569)	(76) V-YZ-LMI-SA FE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=24 71; LIFETIME-POS=L P3			2471 Secs (2471 Secs) [==>]	[4]



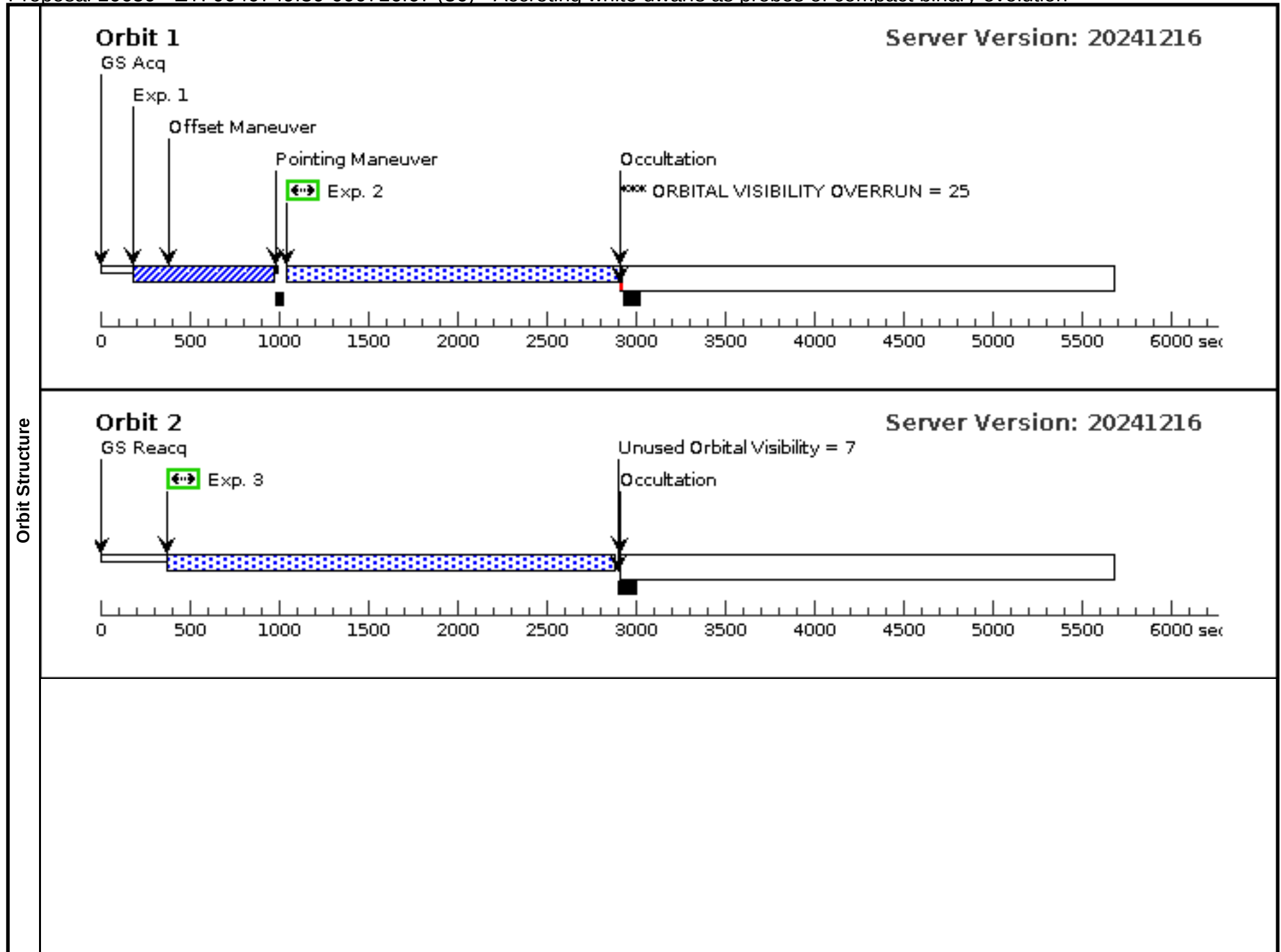


Proposal 16659 - ZTFJ040749.30-000716.67 (36) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, ZTFJ040749.30-000716.67 (36), failed Fri Apr 04 16:01:43 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 20D TO 250 D; BETWEEN 01-JAN-2023:00:00:00 AND 28-FEB-2023:00:00:00 <i>Comments: This should be scheduled in the evening local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution.</i>					
Diagnostics	(ZTFJ040749.30-000716.67 (36)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(36)	ZTFJ040749.30-000716.67	RA: 04 07 49.2988 (61.9554117d) Dec: -00 07 16.52 (-.12126d) Equinox: J2000	Proper Motion RA: -1.6719762075395501 mas/yr Proper Motion Dec: 9.187302241394372 mas/yr Parallax: 0.0013383429091438402" Epoch of Position: 2016.0	V=18.2 FUV=19.5, NUV=19.34, Gaia EDR3 3253845886052817536, G=19.4, parallax=1.3(4) mas.	Reference Frame: ICRS
	<i>Comments: No V magnitude available, reporting B magnitude instead.</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

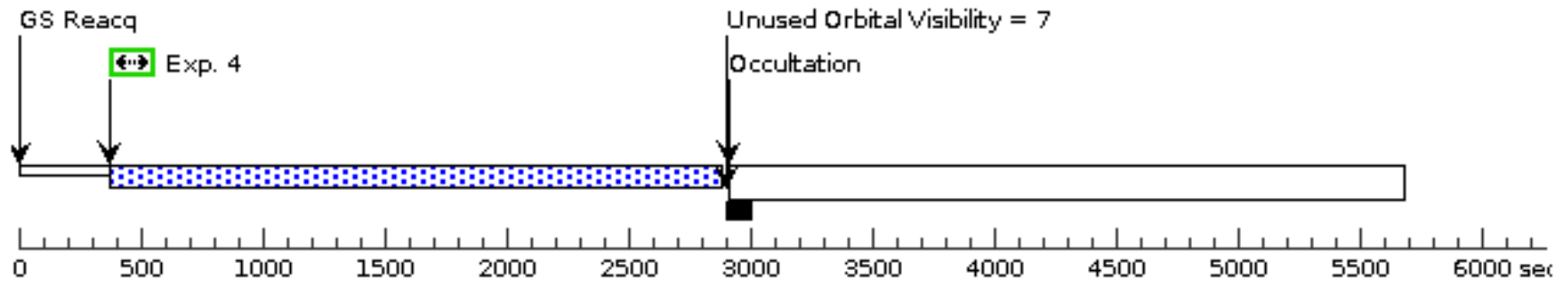
Proposal 16659 - ZTFJ040749.30-000716.67 (36) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1743746)	(36) ZTFJ040749.30 -000716.67	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V36S AF		250 Secs (250 Secs) [==>]	[1]
	Comments: The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector). The exposure time has been increase by an amount equal to the duration of the full eclipse (90 seconds). This will allow to reach the required S/N even if an eclipse occurs during the acquisition. 30 seconds more have been added to be conservative.									
	2	FP-POS=1 (1530280)	(36) ZTFJ040749.30 -000716.67	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=20 99; LIFETIME-POS=L P3	USE OFFSET V36S AF		1675 Secs (1675 Secs) [==>]	[1]
	3	FP-POS=2 (1530280)	(36) ZTFJ040749.30 -000716.67	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=24 62; LIFETIME-POS=L P3	USE OFFSET V36S AF		2462 Secs (2462 Secs) [==>]	[2]
	4	FP-POS=3 (1530280)	(36) ZTFJ040749.30 -000716.67	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=24 62; LIFETIME-POS=L P3	USE OFFSET V36S AF		2462 Secs (2462 Secs) [==>]	[3]
	5	FP-POS=4 (1530280)	(36) ZTFJ040749.30 -000716.67	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=24 62; LIFETIME-POS=L P3	USE OFFSET V36S AF		2462 Secs (2462 Secs) [==>]	[4]
	6	FP-POS=4 (1530280)	(36) ZTFJ040749.30 -000716.67	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=24 62; LIFETIME-POS=L P3	USE OFFSET V36S AF		2462 Secs (2462 Secs) [==>]	[5]



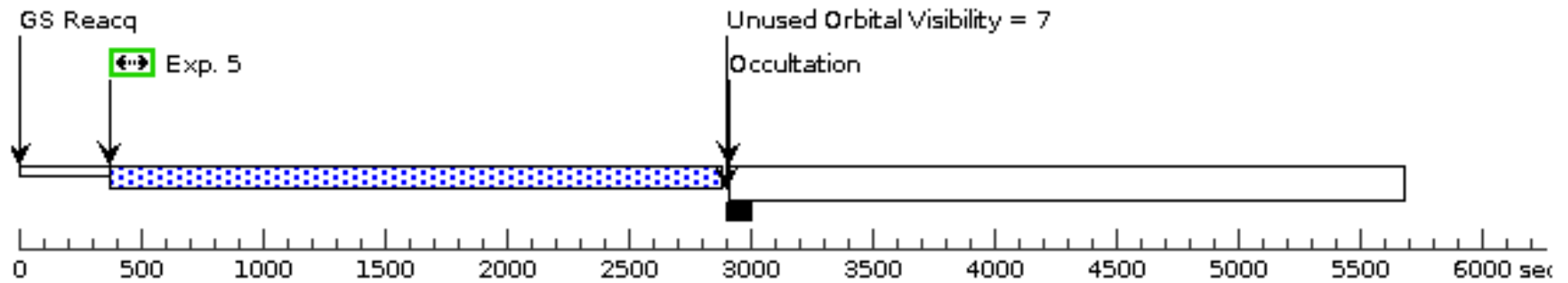
Orbit 3

Server Version: 20241216



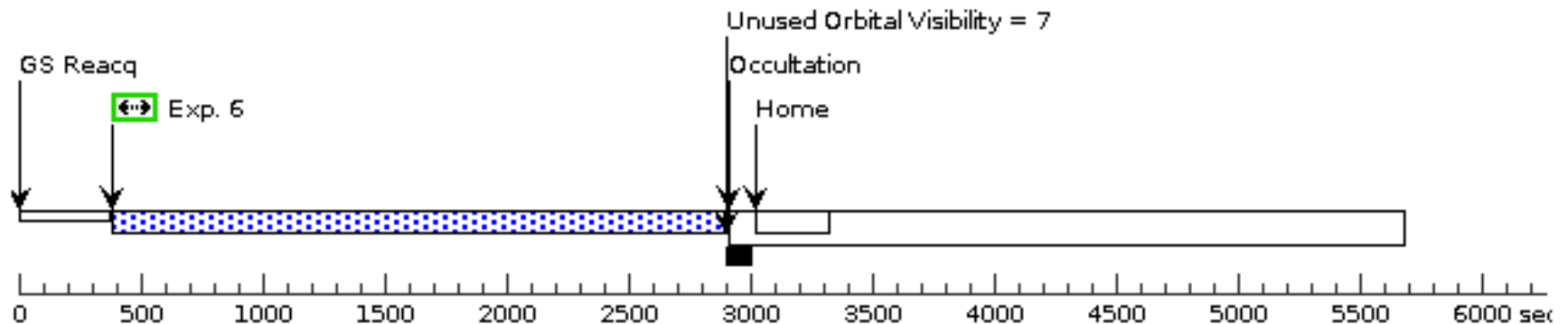
Orbit 4

Server Version: 20241216

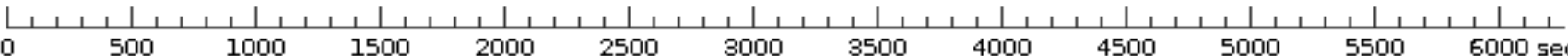


Orbit 5

Server Version: 20241216



Proposal 16659 - S/C visit for visit 36 (3M) - Accreting white dwarfs as probes of compact binary evolution

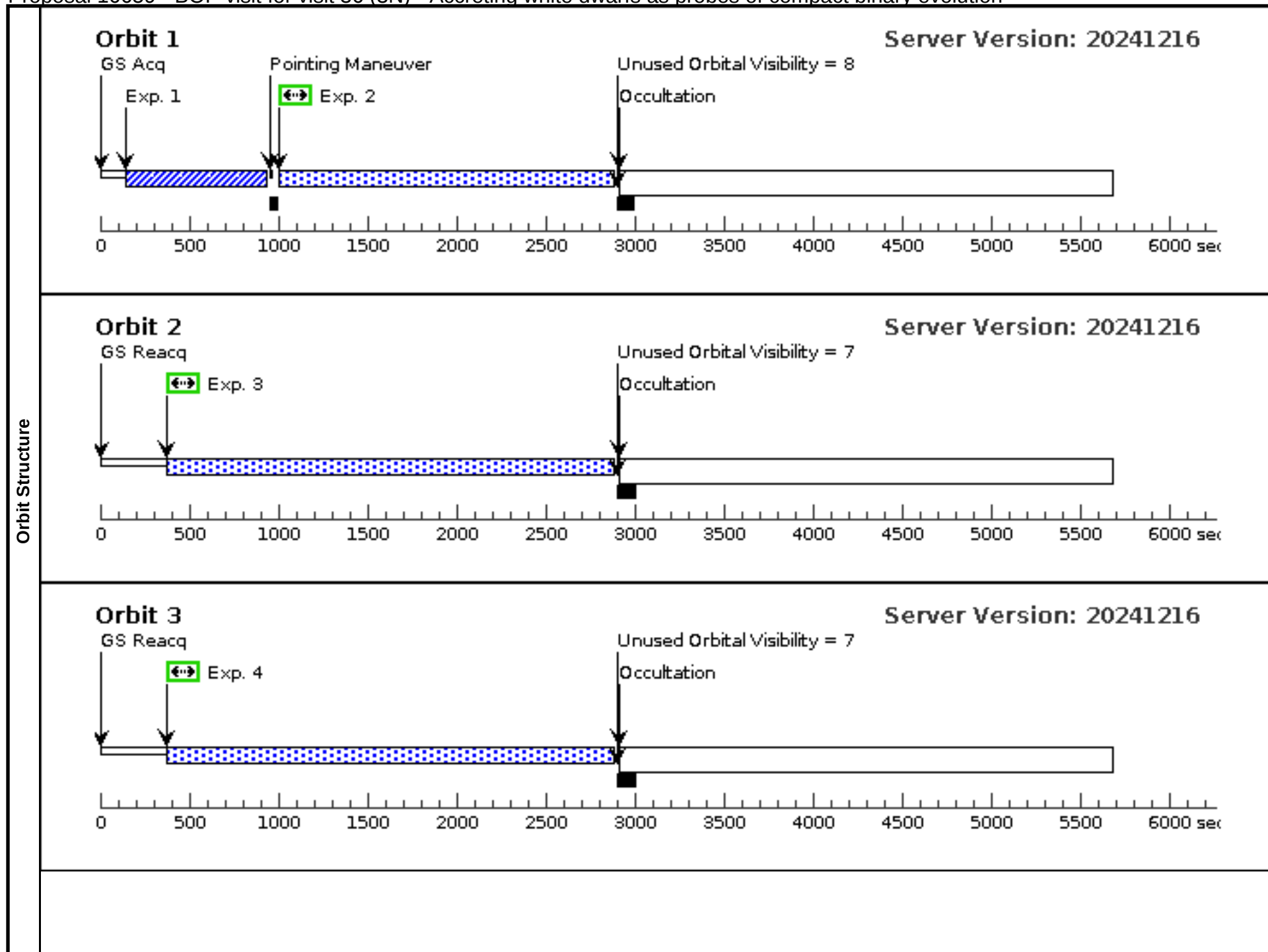
Visit	Proposal 16659, S/C visit for visit 36 (3M), completed						Fri Apr 04 16:01:43 GMT 2025			
	Diagnostic Status: No Diagnostics Scientific Instruments: S/C Special Requirements: SCHED 100%; ORIENT 20D TO 250 D Comments: This S/C visit allocates and sets up the safe position offset slot for visit 36 which will use that slot. This visit should execute no less than three and no more than five days before visit 36. This S/C visit will only contain one exposure									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(36)	ZTFJ040749.30-000716.67	RA: 04 07 49.2988 (61.9554117d) Dec: -00 07 16.52 (-.12126d) Equinox: J2000	Proper Motion RA: -1.6719762075395501 mas/yr Proper Motion Dec: 9.187302241394372 mas/yr Parallax: 0.0013383429091438402" Epoch of Position: 2016.0	V=18.2 FUV=19.5, NUV=19.34, Gaia EDR3 3253845886052817536, G=19.4, parallax=1.3(4) mas.	Reference Frame: ICRS				
	Comments: No V magnitude available, reporting B magnitude instead. Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(36) ZTFJ040749.30-000716.67	S/C, POINTING, V1			POS TARG 232.723, -237.515; SAVE OFFSET V36 SAF; QESIPARM ANGLE 180.7; QESIPARM DIST 9.569		5 Secs (5 Secs) [==>]	[1]
Orbit Structure	Orbit 1 Exp. 1 GS Acq Unused Orbital Visibility = 2528 Occultation 									
	Server Version: 20241216									

Proposal 16659 - BOP visit for visit 36 (3N) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for visit 36 (3N), withdrawn					Fri Apr 04 16:01:43 GMT 2025
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT 20D TO 250 D; BETWEEN 01-JAN-2023:00:00:00 AND 28-FEB-2023:00:00:00					
	Comments: This visit is for BOP checking the safe offset target and should not execute on board HST					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(36)	ZTFJ040749.30-000716.67	RA: 04 07 49.2988 (61.9554117d) Dec: -00 07 16.52 (-.12126d) Equinox: J2000	Proper Motion RA: -1.6719762075395501 mas/yr Proper Motion Dec: 9.187302241394372 mas/yr Parallax: 0.0013383429091438402" Epoch of Position: 2016.0	V=18.2 FUV=19.5, NUV=19.34, Gaia EDR3 3253845886052817536, G=19.4, parallax=1.3(4) mas.	Reference Frame: ICRS
	Comments: No V magnitude available, reporting B magnitude instead.					
	Category=STAR					
	Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE]					
Extended=NO						
	(88)	ZTFJ040749.30-00071-SAFE-TARGET	Offset from ZTFJ040749.30-000716.67 RA Offset: 0.0 Secs Dec Offset: -9.568 Arcsec		V=18.2	Offset Position (ZTFJ040749.30-00071-SAFE-TARGET)
Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.031 arcseconds away at PA 180.7 degrees from ZTFJ040749...						
Category=UNIDENTIFIED						
Description=[BLANK FIELD]						
Extended=NO						

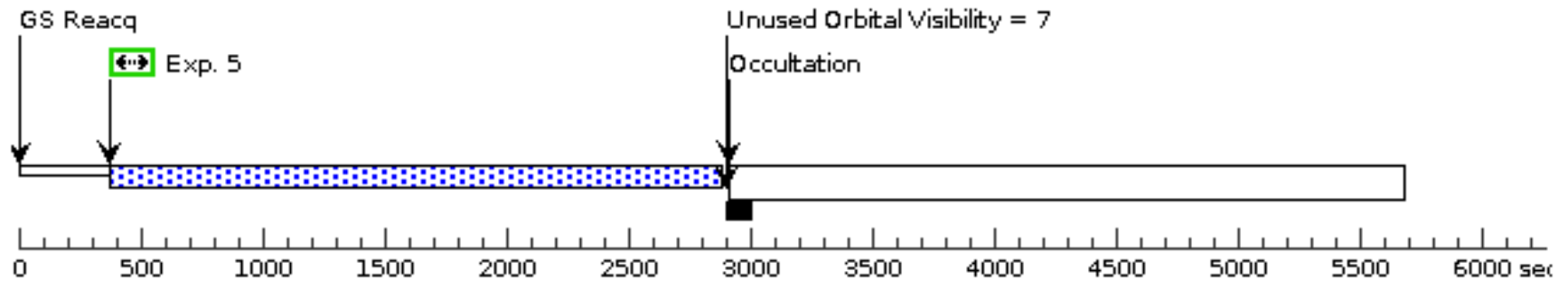
Proposal 16659 - BOP visit for visit 36 (3N) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1743746)	(88) ZTFJ040749.30 -00071-SAFE-TAR GET	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				250 Secs (250 Secs) [==>]	[1]
	Comments: The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector). The exposure time has been increase by an amount equal to the duration of the full eclipse (90 seconds). This will allow to reach the required S/N even if an eclipse occurs during the acquisition. 30 seconds more have been added to be conservative.									
	2	FP-POS=1 (1530280)	(88) ZTFJ040749.30 -00071-SAFE-TAR GET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=20 99; LIFETIME-POS=L P3			1675 Secs (1675 Secs) [==>]	[1]
	3	FP-POS=2 (1530280)	(88) ZTFJ040749.30 -00071-SAFE-TAR GET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=24 62; LIFETIME-POS=L P3			2462 Secs (2462 Secs) [==>]	[2]
	4	FP-POS=3 (1530280)	(88) ZTFJ040749.30 -00071-SAFE-TAR GET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=24 62; LIFETIME-POS=L P3			2462 Secs (2462 Secs) [==>]	[3]
	5	FP-POS=4 (1530280)	(88) ZTFJ040749.30 -00071-SAFE-TAR GET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=24 62; LIFETIME-POS=L P3			2462 Secs (2462 Secs) [==>]	[4]
	6	FP-POS=4 (1530280)	(88) ZTFJ040749.30 -00071-SAFE-TAR GET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=24 62; LIFETIME-POS=L P3			2462 Secs (2462 Secs) [==>]	[5]



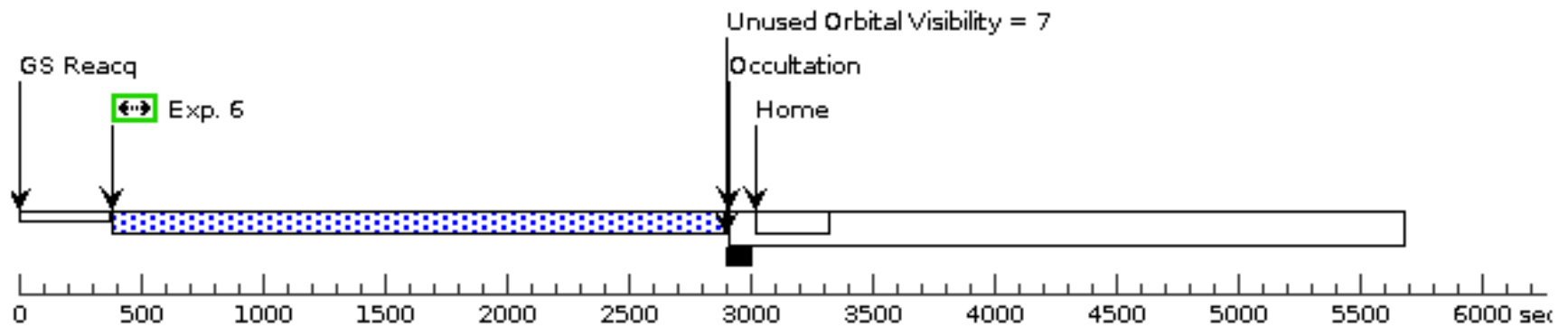
Orbit 4

Server Version: 20241216



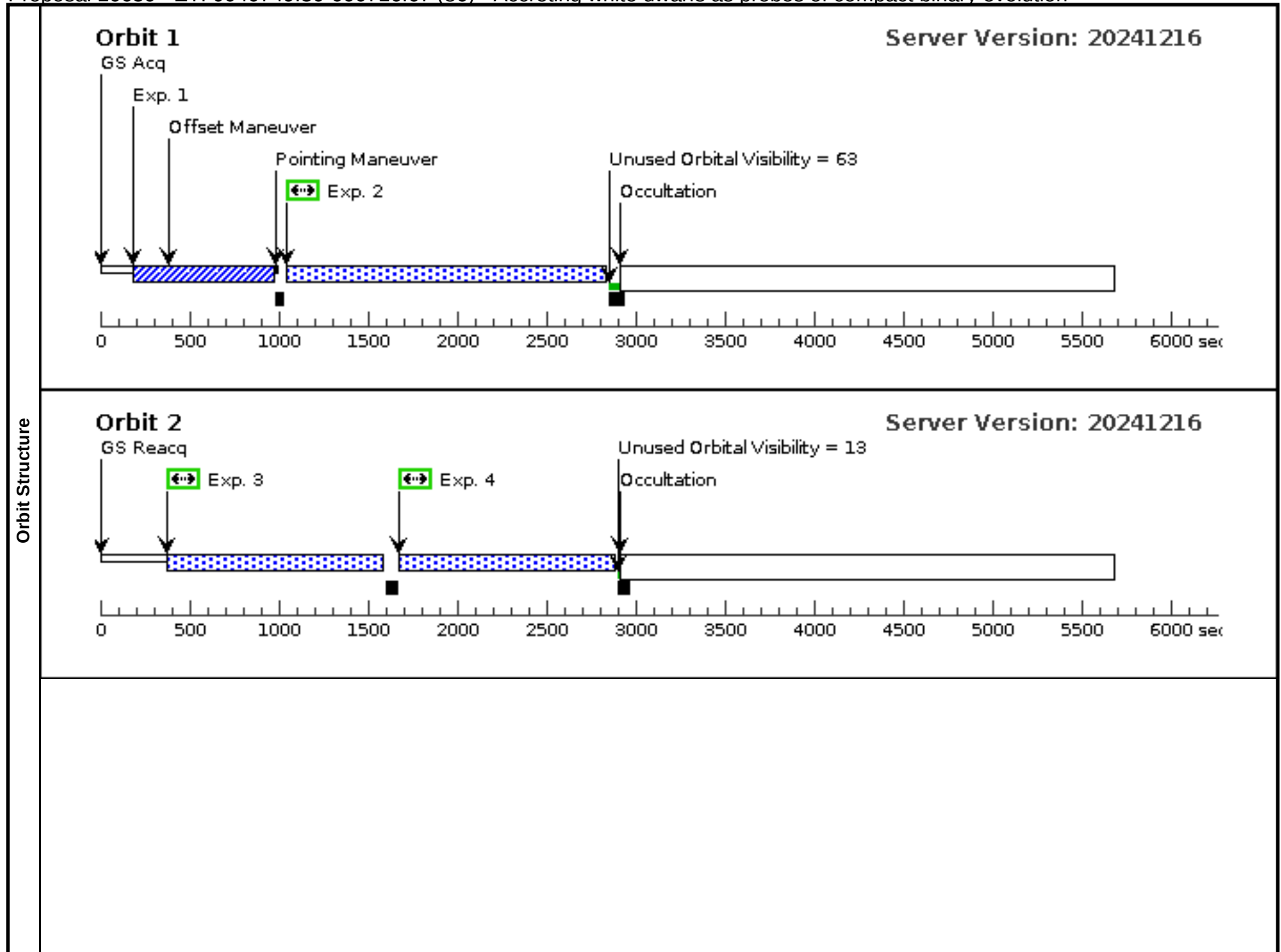
Orbit 5

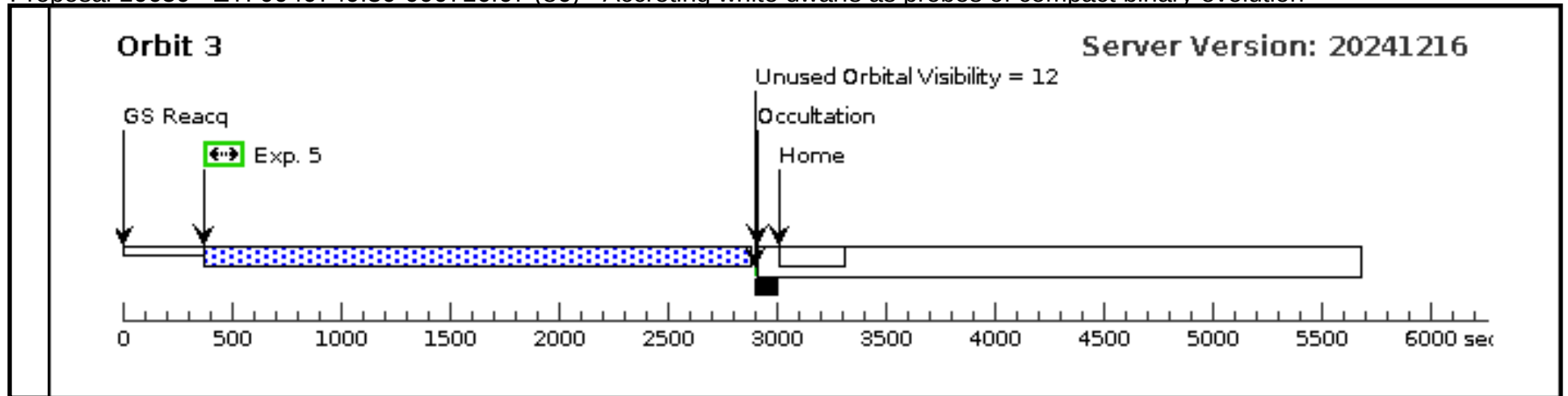
Server Version: 20241216



Proposal 16659 - ZTFJ040749.30-000716.67 (86) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, ZTFJ040749.30-000716.67 (86), completed										Fri Apr 04 16:01:43 GMT 2025		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: COS/FUV, COS/NUV												
	Special Requirements: SCHED 100%; ORIENT 245D TO 130 D; BETWEEN 01-DEC-2023:00:00:00 AND 22-DEC-2023:00:00:00; BETWEEN 28-DEC-2023:00:00:00 AND 18-JAN-2024:00:00:00; BETWEEN 24-JAN-2024:00:00:00 AND 14-FEB-2024:00:00:00; BETWEEN 21-FEB-2024:00:00:00 AND 01-MAR-2024:00:00:00												
Comments: This should be scheduled in the evening local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution.													
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(36)	ZTFJ040749.30-000716.67	RA: 04 07 49.2988 (61.9554117d) Dec: -00 07 16.52 (-.12126d) Equinox: J2000		Proper Motion RA: -1.6719762075395501 mas/yr Proper Motion Dec: 9.187302241394372 mas/yr Parallax: 0.0013383429091438402" Epoch of Position: 2016.0		V=18.2 FUV=19.5, NUV=19.34, Gaia EDR3 3253845886052817536, G=19.4, parallax=1.3(4) mas.		Reference Frame: ICRS				
	Comments: No V magnitude available, reporting B magnitude instead.												
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	ACQ/IMAG E (1743746)	(36) ZTFJ040749.30-000716.67	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V86S AF		250 Secs (250 Secs)				
										[>=>]	[1]		
	Comments: The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector). The exposure time has been increase by an amount equal to the duration of the full eclipse (90 seconds). This will allow to reach the required S/N even if an eclipse occurs during the acquisition. 30 seconds more have been added to be conservative.												
	2	FP-POS=1 (1530280)	(36) ZTFJ040749.30-000716.67	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=2099; LIFETIME-POS=L P3	USE OFFSET V86S AF		1642 Secs (1587 Secs)				
										[>=>1587.0 Secs]	[1]		
	3	FP-POS=2 (1530280)	(36) ZTFJ040749.30-000716.67	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=2462; LIFETIME-POS=L P3	USE OFFSET V86S AF		1160 Secs (1157 Secs)				
										[>=>1157.0 Secs]	[2]		
4	FP-POS=3 (1530280)	(36) ZTFJ040749.30-000716.67	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=2462; LIFETIME-POS=L P3	USE OFFSET V86S AF		1159 Secs (1156 Secs)					
									[>=>1156.0 Secs]	[2]			
5	FP-POS=4 (1530280)	(36) ZTFJ040749.30-000716.67	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=2462; LIFETIME-POS=L P3	USE OFFSET V86S AF		2462 Secs (2457 Secs)					
									[>=>2457.0 Secs]	[3]			





Proposal 16659 - S/C visit for visit 86 (8M) - Accreting white dwarfs as probes of compact binary evolution

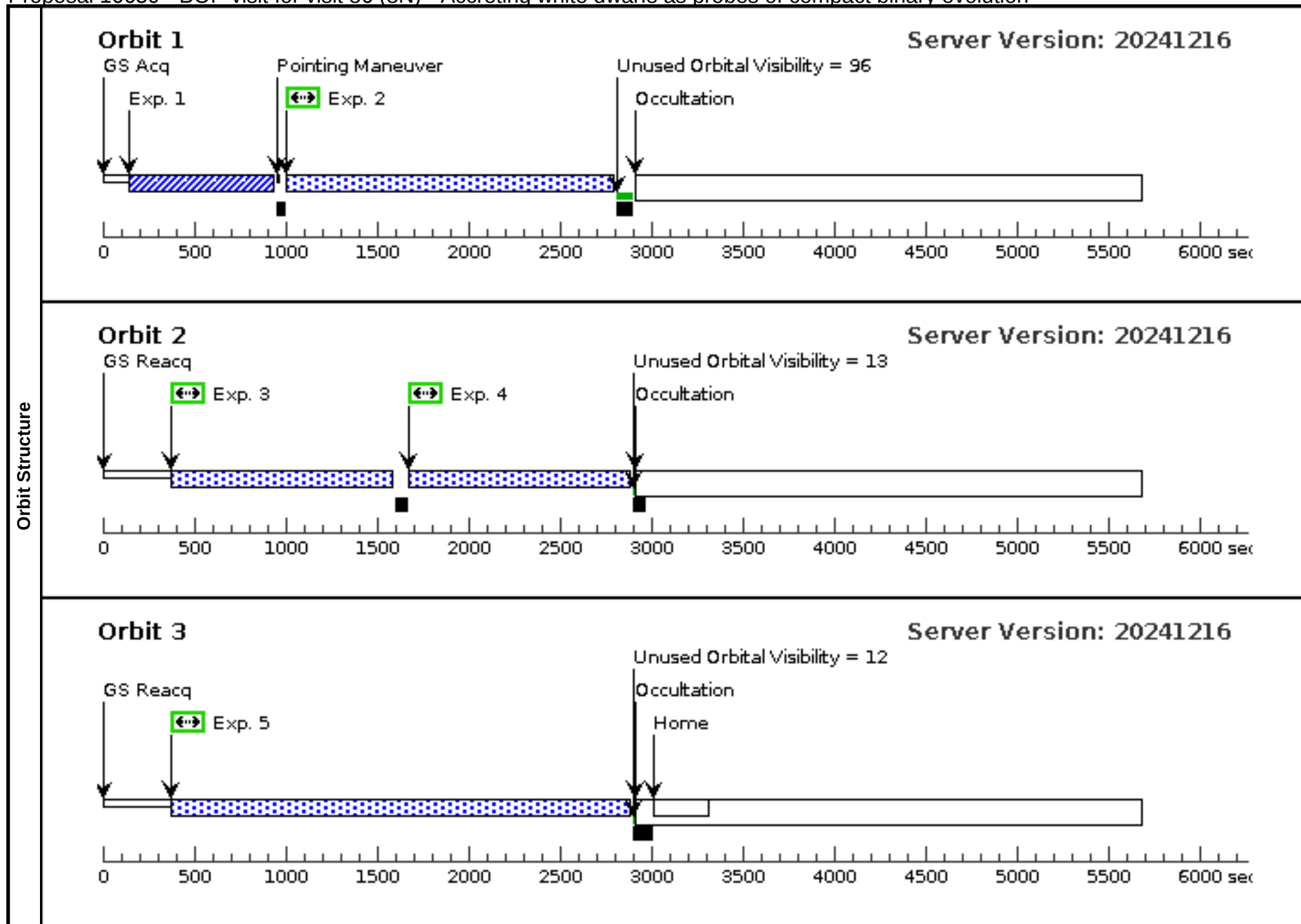
Visit	Proposal 16659, S/C visit for visit 86 (8M), completed										Fri Apr 04 16:01:43 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: S/C											
	Special Requirements: SCHED 100%; ORIENT 245D TO 130 D											
Comments: This visit allocates and sets up the safe position offset slot fo visit 86 which will use that slot. This S?C visit should go 3-5 days before visit 86. The S/C visit will contain only 1 exposure.												
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(36)	ZTFJ040749.30-000716.67	RA: 04 07 49.2988 (61.9554117d) Dec: -00 07 16.52 (-.12126d) Equinox: J2000	Proper Motion RA: -1.6719762075395501 mas/yr Proper Motion Dec: 9.187302241394372 mas/yr Parallax: 0.0013383429091438402" Epoch of Position: 2016.0			V=18.2 FUV=19.5, NUV=19.34, Gaia EDR3 3253845886052817536, G=19.4, parallax=1.3(4) mas.		Reference Frame: ICRS			
	Comments: No V magnitude available, reporting B magnitude instead.											
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(36) ZTFJ040749.30 -000716.67	S/C, DATA, V1			POS TARG 232.723, -237.515; SAVE OFFSET V86 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 52.4; QESIPARM DIST 9.619		5 Secs (5 Secs) [=>]		[1]	
Orbit Structure	Orbit 1											Server Version: 20241216

Proposal 16659 - BOP visit for visit 86 (8N) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for visit 86 (8N), withdrawn Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 245D TO 130 D; BETWEEN 01-DEC-2023:00:00:00 AND 22-DEC-2023:00:00:00; BETWEEN 28-DEC-2023:00:00:00 AND 18-JAN-2024:00:00:00; BETWEEN 24-JAN-2024:00:00:00 AND 14-FEB-2024:00:00:00; BETWEEN 21-FEB-2024:00:00:00 AND 01-MAR-2024:00:00:00 Comments: This visit is for BOP checking the safe target only and should not execute onboard HST				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(36)	ZTFJ040749.30-000716.67	RA: 04 07 49.2988 (61.9554117d) Dec: -00 07 16.52 (-.12126d) Equinox: J2000	Proper Motion RA: -1.6719762075395501 mas/yr Proper Motion Dec: 9.187302241394372 mas/yr Parallax: 0.0013383429091438402" Epoch of Position: 2016.0	V=18.2 FUV=19.5, NUV=19.34, Gaia EDR3 3253845886052817536, G=19.4, parallax=1.3(4) mas.
Fixed Targets	Comments: No V magnitude available, reporting B magnitude instead. Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(98)	ZTFJ040749.30-SAFE-TARGET-2 Alt Name1: ASASSN-18DG	Offset from ZTFJ040749.30-000716.67 RA Offset: 0.5 Secs Dec Offset: 5.866 Arcsec	V=18.2	Offset Position (ZTFJ040749.30-SAFE-TARGET-2)
Fixed Targets	Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.586 arcseconds away at PA 52.4 degrees from ZTFJ04749.30 Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

Proposal 16659 - BOP visit for visit 86 (8N) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ/IMAG E (1743746)	(98) ZTFJ040749.30 -SAFE-TARGET-2	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				250 Secs (250 Secs)		
									[==>]		[1]
	Comments: The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector). The exposure time has been increase by an amount equal to the duration of the full eclipse (90 seconds). This will allow to reach the required S/N even if an eclipse occurs during the acquisition. 30 seconds more have been added to be conservative.										
	2	FP-POS=1 (1530280)	(98) ZTFJ040749.30 -SAFE-TARGET-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=20 99; LIFETIME-POS=L P3			1642 Secs (1587 Secs)		
									[==>1587.0 Secs]		[1]
	3	FP-POS=2 (1530280)	(98) ZTFJ040749.30 -SAFE-TARGET-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=24 62; LIFETIME-POS=L P3			1160 Secs (1157 Secs)		
									[==>1157.0 Secs]		[2]
	4	FP-POS=3 (1530280)	(98) ZTFJ040749.30 -SAFE-TARGET-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=24 62; LIFETIME-POS=L P3			1159 Secs (1156 Secs)		
									[==>1156.0 Secs]		[2]
	5	FP-POS=4 (1530280)	(98) ZTFJ040749.30 -SAFE-TARGET-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=24 62; LIFETIME-POS=L P3			2462 Secs (2457 Secs)		
									[==>2457.0 Secs]		[3]



Proposal 16659 - ASASSN-14MV (37) - Accreting white dwarfs as probes of compact binary evolution

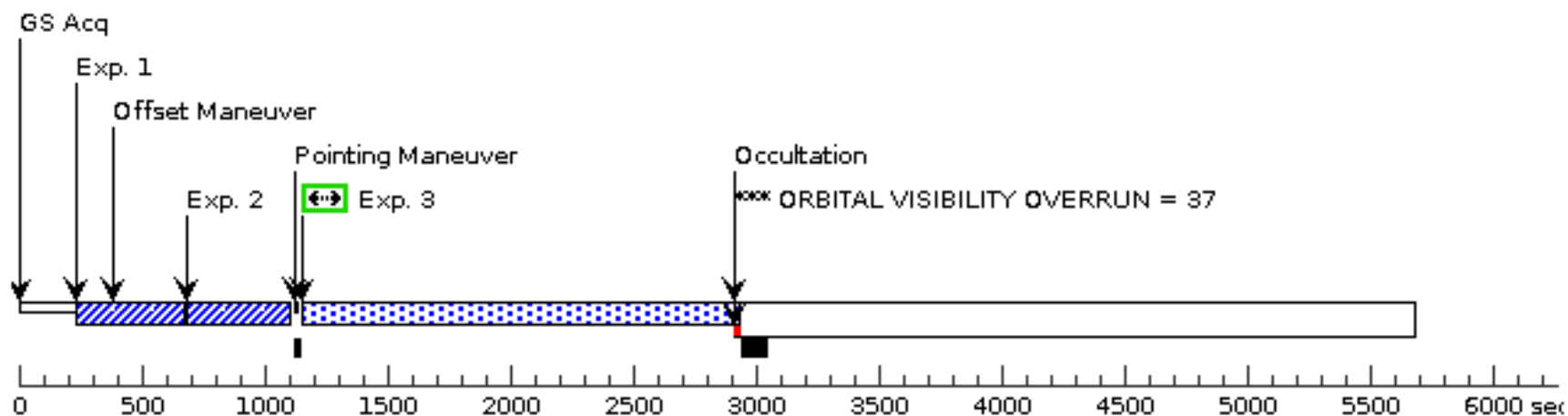
Visit	Proposal 16659, ASASSN-14MV (37), completed Fri Apr 04 16:01:43 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 81.2D TO 200 D; BETWEEN 01-MAR-2022:00:00:00 AND 31-MAR-2022:00:00:00 <i>Comments: This should be scheduled in evening-local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution.</i>					
Diagnostics	(ASASSN-14MV (37)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (ASASSN-14MV (37)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (ASASSN-14MV (37)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(37)	ASASSN-14MV	RA: 07 13 27.2631 (108.3635963d) Dec: +20 55 52.59 (20.93127d) Equinox: J2000	Proper Motion RA: -17.15029031743671 mas/yr Proper Motion Dec: -43.506955754601336 mas/yr Parallax: 0.0040601256225475885" Epoch of Position: 2016.0	V=17.4 FUV=17.9, NUV=17.4, Gaia EDR3 3367007627080317824, G=18.0, parallax=4.1(1) mas.	Reference Frame: ICRS
	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - ASASSN-14MV (37) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1529601)	(37) ASASSN-14M V	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V37S AF		55 Secs (55 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD models with Teff=16000K, scaled to FUV=18 (from Galex observations).</i>									
	2	ACQ/PEAK D (1529601)	(37) ASASSN-14M V	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V37S AF		55 Secs (55 Secs) [==>]	[1]
	<i>Comments: Computed assuming a WD models with Teff=16000K, scaled to FUV=18 (from Galex observations).</i>									
	3	FP-POS=1 (1529609)	(37) ASASSN-14M V	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=16 63; LIFETIME-POS=L P3	USE OFFSET V37S AF		1621 Secs (1621 Secs) [==>]	[1]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	4	FP-POS=2 (1529609)	(37) ASASSN-14M V	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=16 63; LIFETIME-POS=L P3	USE OFFSET V37S AF		1156 Secs (1156 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	5	FP-POS=3 (1529609)	(37) ASASSN-14M V	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=16 63; LIFETIME-POS=L P3	USE OFFSET V37S AF		1155 Secs (1155 Secs) [==>]	[2]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									
	6	FP-POS=4 (1529609)	(37) ASASSN-14M V	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=16 63; LIFETIME-POS=L P3	USE OFFSET V37S AF		2473 Secs (2473 Secs) [==>]	[3]
	<i>Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).</i>									

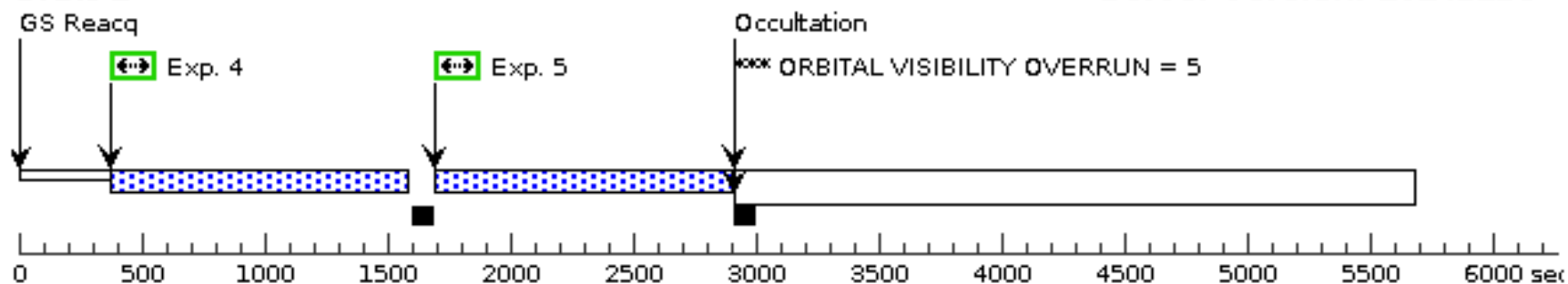
Orbit 1

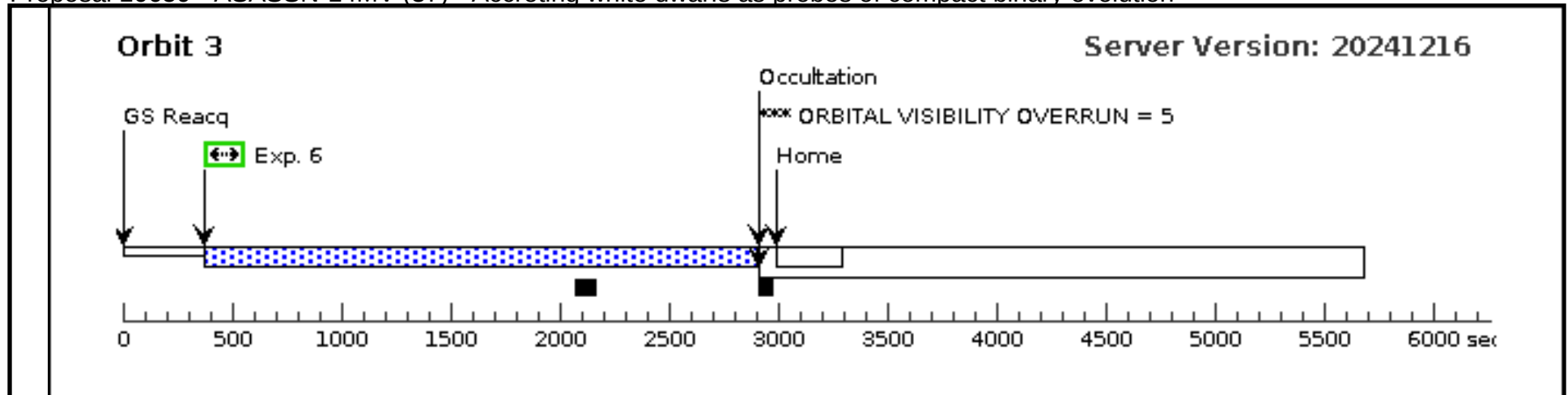
Server Version: 20241216



Orbit 2

Server Version: 20241216





Proposal 16659 - S/C visit for Visit 37 (3O) - Accreting white dwarfs as probes of compact binary evolution

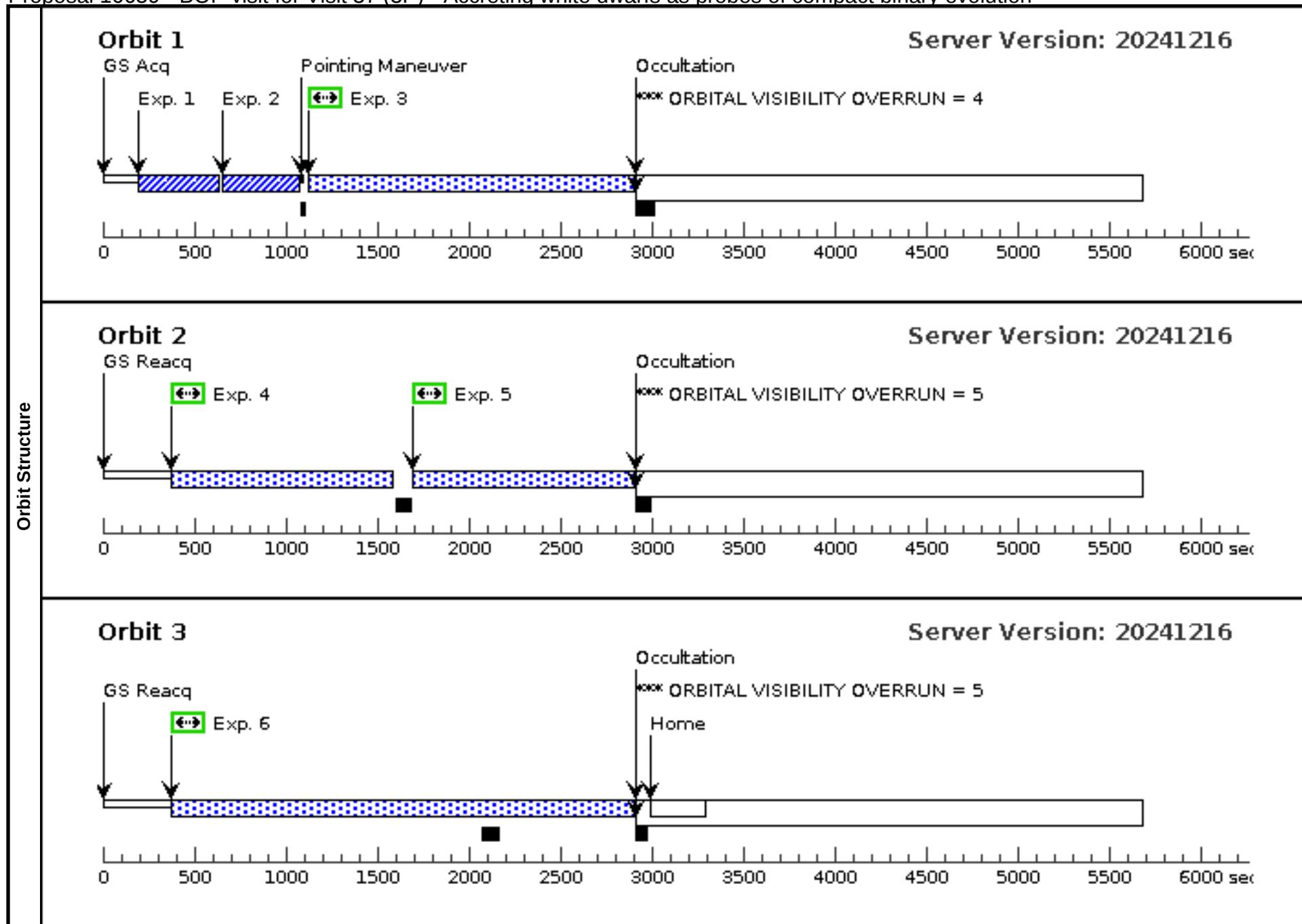
Visit	Proposal 16659, S/C visit for Visit 37 (3O), completed										Fri Apr 04 16:01:43 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: S/C											
	Special Requirements: SCHED 100%; ORIENT 81.2D TO 200 D											
Comments: This visit allocates and sets up the safe position offset slot for visit 37 which will use that slot. This S/C visit should go earlier in the week while visit 37 will be at least 3 days later.												
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(37)	ASASSN-14MV	RA: 07 13 27.2631 (108.3635963d) Dec: +20 55 52.59 (20.93127d) Equinox: J2000		Proper Motion RA: -17.15029031743671 mas/yr Proper Motion Dec: -43.506955754601336 mas/yr Parallax: 0.0040601256225475885" Epoch of Position: 2016.0		V=17.4 FUV=17.9, NUV=17.4, Gaia EDR3 3367007627080317824, G=18.0, parallax=4.1(1) mas.		Reference Frame: ICRS			
	Comments:											
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(37) ASASSN-14M V	S/C, DATA, V1			POS TARG 229.132, -241.0575; SAVE OFFSET V37 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 173.9; QESIPARM DIST 9.764		5 Secs (5 Secs) [==>]		[1]	
Orbit Structure	Orbit 1											Server Version: 20241216

Proposal 16659 - BOP visit for Visit 37 (3P) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for Visit 37 (3P), withdrawn					Fri Apr 04 16:01:43 GMT 2025
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV					
	Special Requirements: SCHED 100%; ORIENT 81.2D TO 200 D; BETWEEN 01-MAR-2022:00:00:00 AND 31-MAR-2022:00:00:00					
Comments: This visit is for BOP checking the safe target only and should not execute onboard HST						
Diagnostics	(BOP visit for Visit 37 (3P)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for Visit 37 (3P)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for Visit 37 (3P)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(37)	ASASSN-14MV	RA: 07 13 27.2631 (108.3635963d) Dec: +20 55 52.59 (20.93127d) Equinox: J2000	Proper Motion RA: -17.15029031743671 mas/yr Proper Motion Dec: -43.506955754601336 mas/yr Parallax: 0.0040601256225475885" Epoch of Position: 2016.0	V=17.4 FUV=17.9, NUV=17.4, Gaia EDR3 3367007627080317824, G=18.0, parallax=4.1(1) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					
	(80)	ASASSN-14MV-SAFE-TARGET	Offset from ASASSN-14MV RA Offset: 0.075 Secs Dec Offset: -9.708 Arcsec		V=17.4	Offset Position (ASASSN-14MV-SAFE-TARGET)
	Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.764" away at PA 173.9 degrees from ASASSN-14MV Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO					

Proposal 16659 - BOP visit for Visit 37 (3P) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1529601)	(80) ASASSN-14M V-SAFE-TARGET	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			55 Secs (55 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=16000\text{K}$, scaled to $FUV=18$ (from <i>Galex</i> observations).									
	2	ACQ/PEAK D (1529601)	(80) ASASSN-14M V-SAFE-TARGET	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			55 Secs (55 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=16000\text{K}$, scaled to $FUV=18$ (from <i>Galex</i> observations).									
	3	FP-POS=1 (1529609)	(80) ASASSN-14M V-SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=16 63; LIFETIME-POS=L P3			1621 Secs (1621 Secs) [==>]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	4	FP-POS=2 (1529609)	(80) ASASSN-14M V-SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=16 63; LIFETIME-POS=L P3			1156 Secs (1156 Secs) [==>]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	5	FP-POS=3 (1529609)	(80) ASASSN-14M V-SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=16 63; LIFETIME-POS=L P3			1155 Secs (1155 Secs) [==>]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	6	FP-POS=4 (1529609)	(80) ASASSN-14M V-SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=16 63; LIFETIME-POS=L P3			2473 Secs (2473 Secs) [==>]	[3]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									

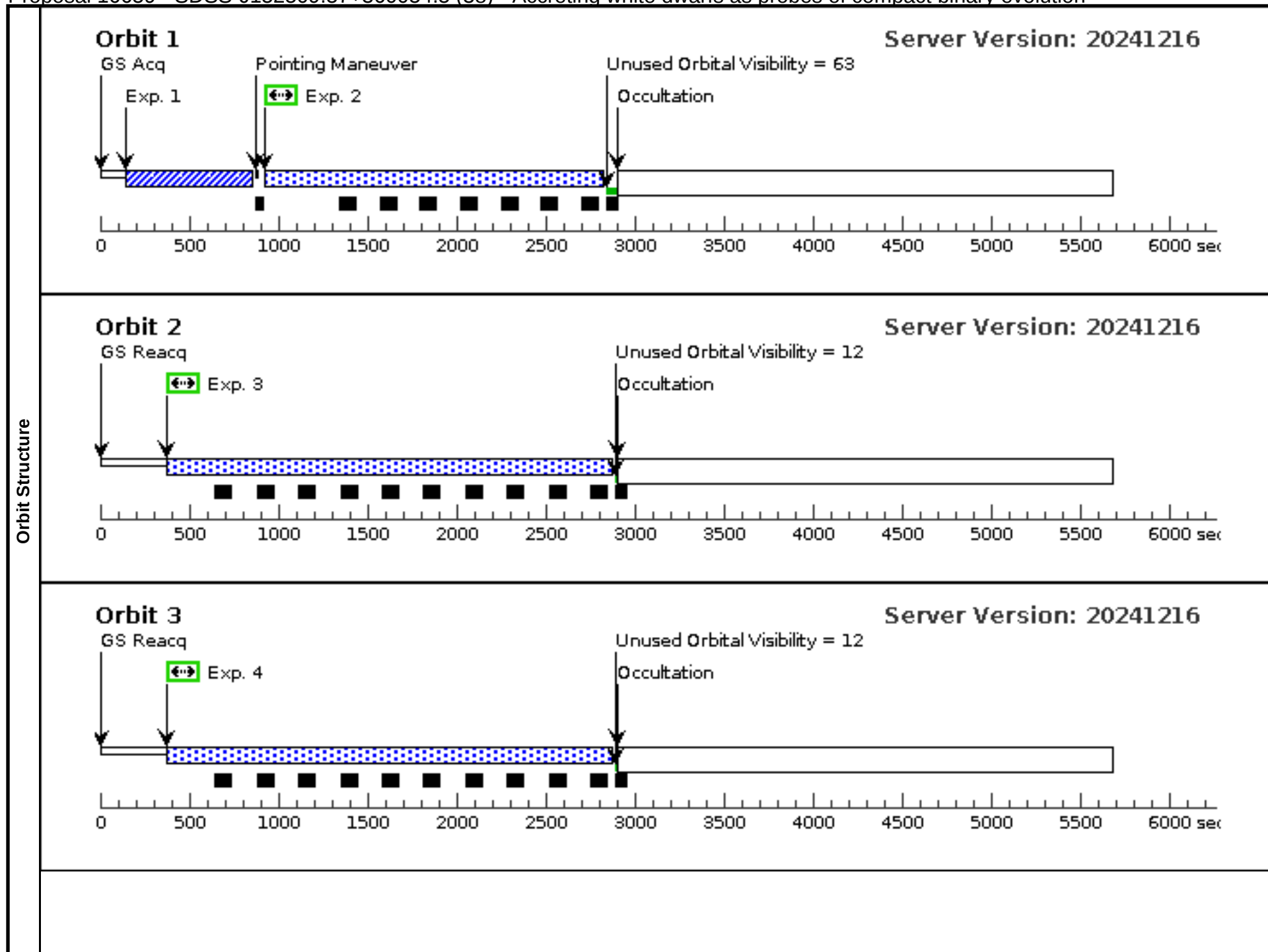


Proposal 16659 - SDSS-J152509.57+360054.5 (38) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, SDSS-J152509.57+360054.5 (38), implementation Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; BETWEEN 01-MAR-2025:00:00:00 AND 13-MAR-2025:00:00:00; BETWEEN 19-MAR-2025:00:00:00 AND 10-APR-2025:00:00:00; BETWEEN 18-APR-2025:00:00:00 AND 07-MAY-2025:00:00:00; BETWEEN 16-MAY-2025:00:00:00 AND 05-JUN-2025:00:00:00				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(38)	SDSS-J152509.57+360054.5	RA: 15 25 9.5732 (231.2898883d) Dec: +36 00 54.41 (36.01511d) Equinox: J2000	Proper Motion RA: 4.986026977395869 mas/yr Proper Motion Dec: -15.85931643659449 mas/yr Parallax: 0.00196588153504011" Epoch of Position: 2016.0	V=19.64 Reference Frame: ICRS FUV=20.1, NUV=19.5, Gaia EDR3 1375131155313563136, G=19.8, parallax=1.9(2) mas.
Comments: No V magnitude available, reporting u-SDSS magnitude instead. Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

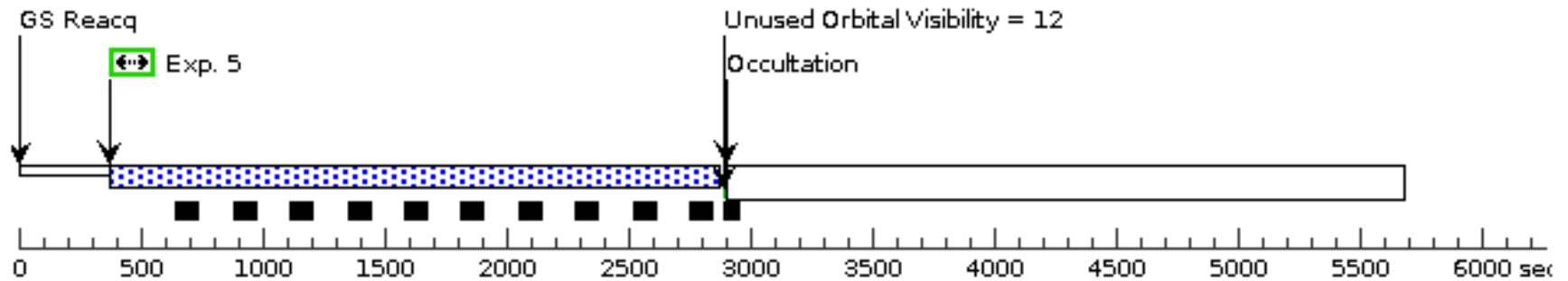
Proposal 16659 - SDSS-J152509.57+360054.5 (38) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1529618)	(38) SDSS-J152509. 57+360054.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				210 Secs (210 Secs) [==>]	[1]
	2	FP-POS=1 (1529621)	(38) SDSS-J152509. 57+360054.5	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=22 6; LIFETIME-POS=L P3			1693 Secs (1693 Secs) [==>]	[1]
	3	FP-POS=2 (1529621)	(38) SDSS-J152509. 57+360054.5	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=23 4; LIFETIME-POS=L P3			2450 Secs (2450 Secs) [==>]	[2]
	4	FP-POS=3 (1529621)	(38) SDSS-J152509. 57+360054.5	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=23 4; LIFETIME-POS=L P3			2450 Secs (2450 Secs) [==>]	[3]
	5	FP-POS=4 (1529621)	(38) SDSS-J152509. 57+360054.5	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=23 4; LIFETIME-POS=L P3			2450 Secs (2450 Secs) [==>]	[4]
	6	FP-POS=4 (1529621)	(38) SDSS-J152509. 57+360054.5	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=23 4; LIFETIME-POS=L P3			2450 Secs (2450 Secs) [==>]	[5]



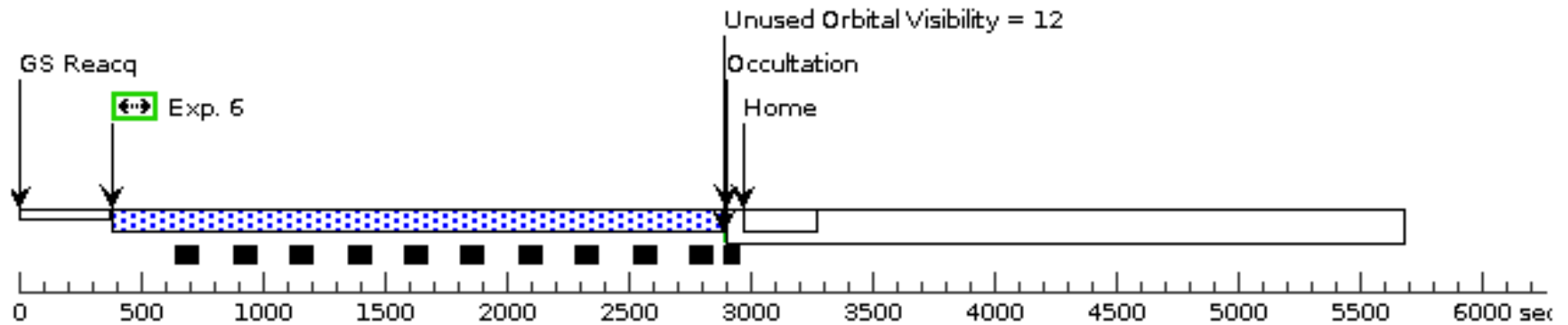
Orbit 4

Server Version: 20241216



Orbit 5

Server Version: 20241216

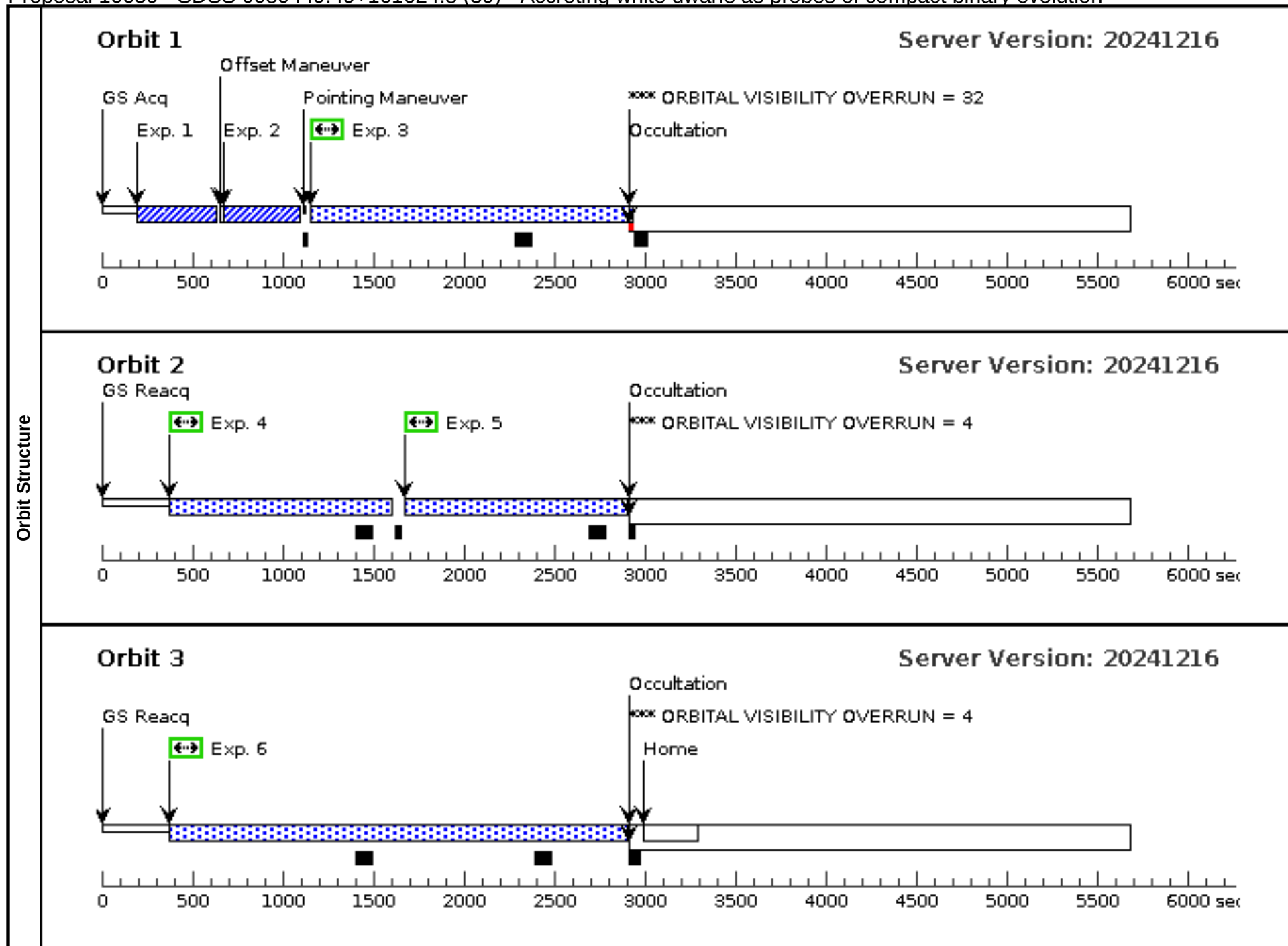


Proposal 16659 - SDSS-J080449.49+161624.8 (39) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, SDSS-J080449.49+161624.8 (39), failed Fri Apr 04 16:01:43 GMT 2025					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 25D TO 252 D; BETWEEN 01-FEB-2023:00:00:00 AND 28-FEB-2023:00:00:00 Comments: This visit should be scheduled in the late afternoon/early evening local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution					
Diagnostics	(SDSS-J080449.49+161624.8 (39)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (SDSS-J080449.49+161624.8 (39)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (SDSS-J080449.49+161624.8 (39)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (SDSS-J080449.49+161624.8 (39)) Warning (Orbit Planner): USE OFFSET NOT SPECIFIED ON ALL EXPOSURES					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(39)	SDSS-J080449.49+161624.8	RA: 08 04 49.4924 (121.2062183d) Dec: +16 16 24.77 (16.27355d) Equinox: J2000	Proper Motion RA: 0.7232202206091585 mas/yr Proper Motion Dec: -6.038241328538914 mas/yr Parallax: 0.0010588173554014943" Epoch of Position: 2016.0	V=18.6 FUV=17.8, NUV=17.6, Gaia EDR3 6551880182352942 08, G=18.3, parallax=1.1(1) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - SDSS-J080449.49+161624.8 (39) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1529733)	(39) SDSS-J080449. 49+161624.8	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			55 Secs (55 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=15000\text{K}$, scaled to $FUV=18$ (from <i>Galex</i> observations).									
	2	ACQ/PEAK D (1529733)	(39) SDSS-J080449. 49+161624.8	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V39S AF		55 Secs (55 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=15000\text{K}$, scaled to $FUV=18$ (from <i>Galex</i> observations).									
	3	FP-POS=1 (1529739)	(39) SDSS-J080449. 49+161624.8	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=99 2; LIFETIME-POS=L P3	USE OFFSET V39S AF		1621 Secs (1621 Secs) [==>]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
Exposures	4	FP-POS=2 (1529739)	(39) SDSS-J080449. 49+161624.8	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=99 2; LIFETIME-POS=L P3	USE OFFSET V39S AF		1179 Secs (1179 Secs) [==>]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	5	FP-POS=3 (1529739)	(39) SDSS-J080449. 49+161624.8	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=99 2; LIFETIME-POS=L P3	USE OFFSET V39S AF		1179 Secs (1179 Secs) [==>]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	6	FP-POS=4 (1529739)	(39) SDSS-J080449. 49+161624.8	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=99 2; LIFETIME-POS=L P3	USE OFFSET V39S AF		2473 Secs (2473 Secs) [==>]	[3]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									



Proposal 16659 - S/C visit for visit 39 (3S) - Accreting white dwarfs as probes of compact binary evolution

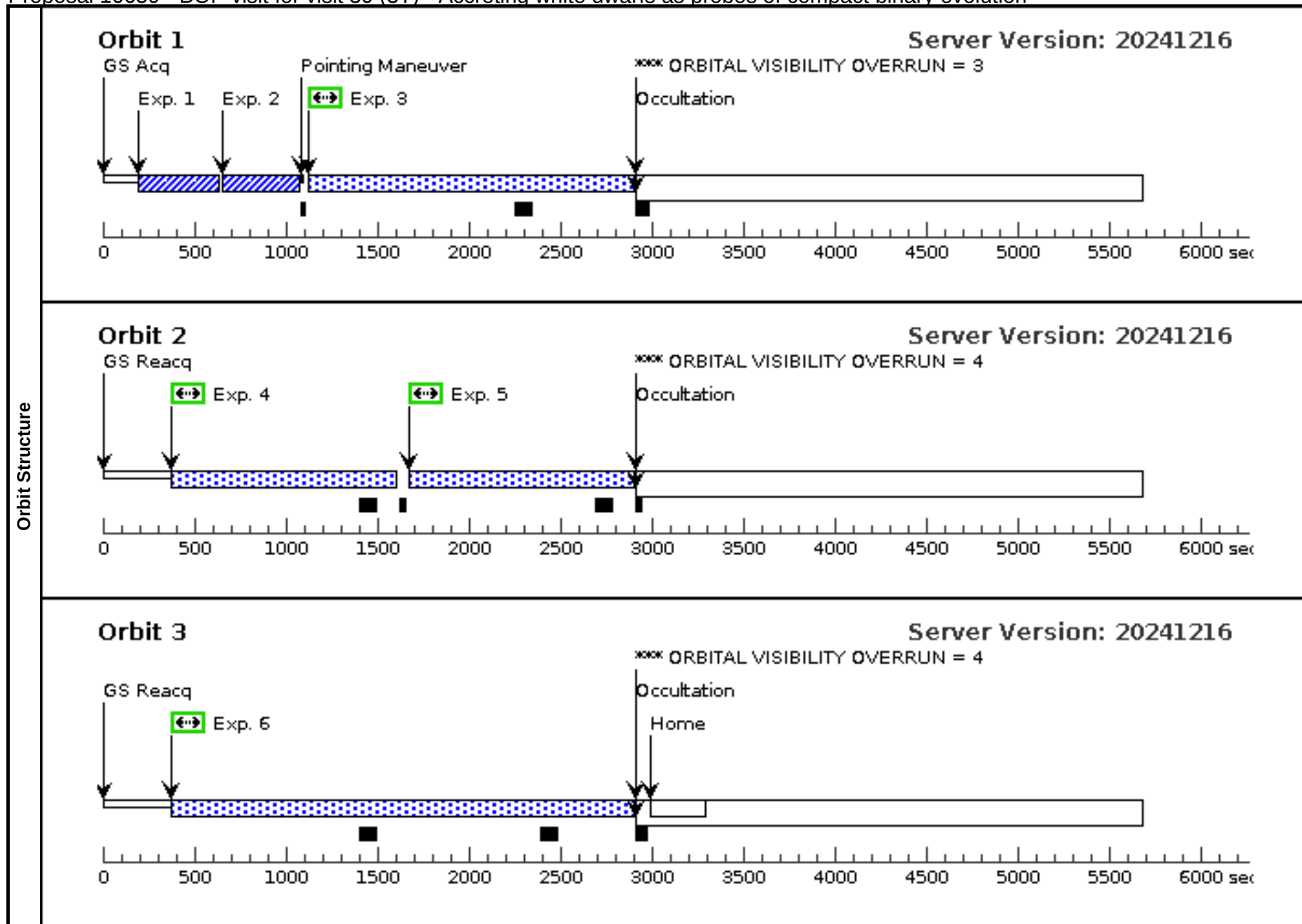
Visit	Proposal 16659, S/C visit for visit 39 (3S), completed										Fri Apr 04 16:01:43 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: S/C											
	Special Requirements: SCHED 100%; ORIENT 25D TO 252 D											
Comments: This S/C visit should execute no less than three and no more than five days before the science visit. The S/C visit will contain only one exposure												
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(39)	SDSS-J080449.49+161624.8	RA: 08 04 49.4924 (121.2062183d) Dec: +16 16 24.77 (16.27355d) Equinox: J2000		Proper Motion RA: 0.7232202206091585 mas/yr Proper Motion Dec: -6.038241328538914 mas/yr Parallax: 0.0010588173554014943" Epoch of Position: 2016.0		V=18.6 FUV=17.8, NUV=17.6, Gaia EDR3 655188018235294208, G=18.3, parallax=1.1(1) mas.		Reference Frame: ICRS			
	Comments:											
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(39) SDSS-J080449.49+161624.8	S/C, DATA, V1			POS TARG 229.132 8,-241.0575; SAVE OFFSET V39 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 180.2; QESIPARM DIST 9.441		5 Secs (5 Secs) [=>]		[1]	
Orbit Structure	Orbit 1											Server Version: 20241216

Proposal 16659 - BOP visit for visit 39 (3T) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for visit 39 (3T), withdrawn					Fri Apr 04 16:01:43 GMT 2025
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV					
	Special Requirements: SCHED 100%; ORIENT 25D TO 252 D; BETWEEN 01-FEB-2023:00:00:00 AND 28-FEB-2023:00:00:00					
Comments: This visit is for BOP checking the safe target only and should not execute on board HST						
Diagnostics	(BOP visit for visit 39 (3T)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for visit 39 (3T)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(BOP visit for visit 39 (3T)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(39)	SDSS-J080449.49+161624.8	RA: 08 04 49.4924 (121.2062183d) Dec: +16 16 24.77 (16.27355d) Equinox: J2000	Proper Motion RA: 0.7232202206091585 mas/yr Proper Motion Dec: -6.038241328538914 mas/yr Parallax: 0.0010588173554014943" Epoch of Position: 2016.0	V=18.6 FUV=17.8, NUV=17.6, Gaia EDR3 6551880182352942 08, G=18.3, parallax=1.1(1) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					
	(89)	SDSS-J080449.49+161-SAFE-TARGET	Offset from SDSS-J080449.49+161624.8 RA Offset: 0.0 Secs Dec Offset: -9.441 Arcsec		V=18.6	Offset Position (SDSS-J080449.49+161-SAFE-TARGET)
	Comments: This Target is a blank piece of sky which will serve as the bright object safe pointing for visit 39. It is 9.441 arcsec away at PA 180.2 deg from SDSS-J080449.49 Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO					

Proposal 16659 - BOP visit for visit 39 (3T) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1529733)	(89) SDSS-J080449. 49+161-SAFE-TAR GET	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			55 Secs (55 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=15000\text{K}$, scaled to $FUV=18$ (from <i>Galex</i> observations).									
	2	ACQ/PEAK D (1529733)	(89) SDSS-J080449. 49+161-SAFE-TAR GET	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			55 Secs (55 Secs) [==>]	[1]
	Comments: Computed assuming a WD models with $T_{\text{eff}}=15000\text{K}$, scaled to $FUV=18$ (from <i>Galex</i> observations).									
	3	FP-POS=1 (1529739)	(89) SDSS-J080449. 49+161-SAFE-TAR GET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=99 2; LIFETIME-POS=L P3			1621 Secs (1621 Secs) [==>]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
Exposures	4	FP-POS=2 (1529739)	(89) SDSS-J080449. 49+161-SAFE-TAR GET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=99 2; LIFETIME-POS=L P3			1179 Secs (1179 Secs) [==>]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	5	FP-POS=3 (1529739)	(89) SDSS-J080449. 49+161-SAFE-TAR GET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=99 2; LIFETIME-POS=L P3			1179 Secs (1179 Secs) [==>]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	6	FP-POS=4 (1529739)	(89) SDSS-J080449. 49+161-SAFE-TAR GET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=99 2; LIFETIME-POS=L P3			2473 Secs (2473 Secs) [==>]	[3]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									

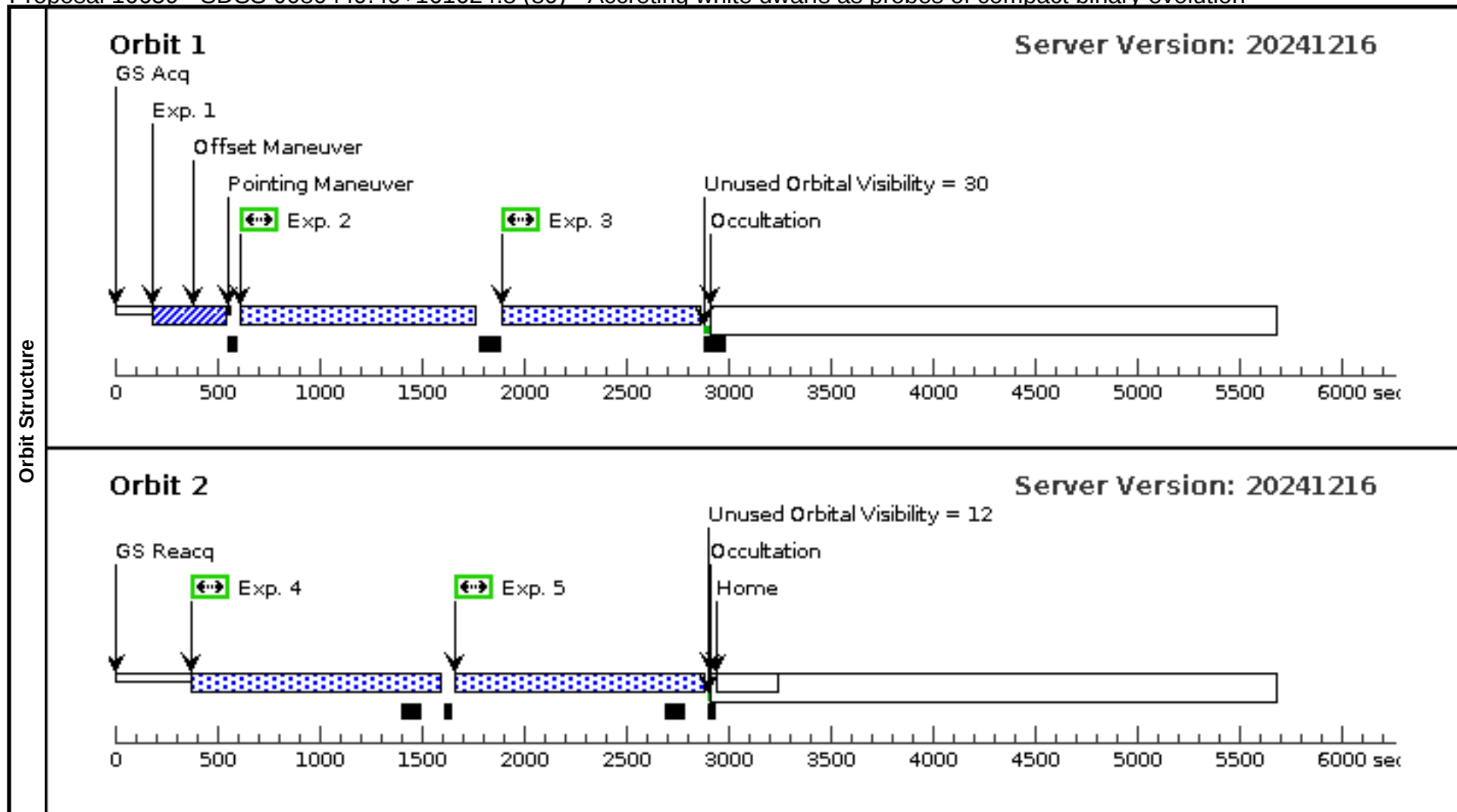


Proposal 16659 - SDSS-J080449.49+161624.8 (89) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, SDSS-J080449.49+161624.8 (89), completed Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 15D TO 255 D; BETWEEN 01-FEB-2024:00:00:00 AND 18-FEB-2024:00:00:00; BETWEEN 26-FEB-2024:00:00:00 AND 29-FEB-2024:00:00:00 Comments: This visit should be scheduled in the late afternoon/early evening local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(39)	SDSS-J080449.49+161624.8	RA: 08 04 49.4924 (121.2062183d) Dec: +16 16 24.77 (16.27355d) Equinox: J2000	Proper Motion RA: 0.7232202206091585 mas/yr Proper Motion Dec: -6.038241328538914 mas/yr Parallax: 0.0010588173554014943" Epoch of Position: 2016.0	V=18.6 FUV=17.8, NUV=17.6, Gaia EDR3 655188018235294208, G=18.3, parallax=1.1(1) mas.
Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - SDSS-J080449.49+161624.8 (89) - Accreting white dwarfs as probes of compact binary evolution

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/IMAG E (1857192)	(39) SDSS-J080449.49+161624.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V89S AF		36 Secs (36 Secs) [==>]	[1]
2	FP-POS=1 (1529739)	(39) SDSS-J080449.49+161624.8	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=99 2; LIFETIME-POS=L P3	USE OFFSET V89S AF		979 Secs (946 Secs) [==>946.0 Secs]	[1]
Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
3	FP-POS=2 (1529739)	(39) SDSS-J080449.49+161624.8	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=99 2; LIFETIME-POS=L P3	USE OFFSET V89S AF		954 Secs (921 Secs) [==>921.0 Secs]	[1]
Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
4	FP-POS=3 (1529739)	(39) SDSS-J080449.49+161624.8	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=99 2; LIFETIME-POS=L P3	USE OFFSET V89S AF		1179 Secs (1171 Secs) [==>1171.0 Secs]	[2]
Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
5	FP-POS=4 (1529739)	(39) SDSS-J080449.49+161624.8	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=99 2; LIFETIME-POS=L P3	USE OFFSET V89S AF		1179 Secs (1171 Secs) [==>1171.0 Secs]	[2]
Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									



Proposal 16659 - S/C visit for Visit 89 (8S) - Accreting white dwarfs as probes of compact binary evolution

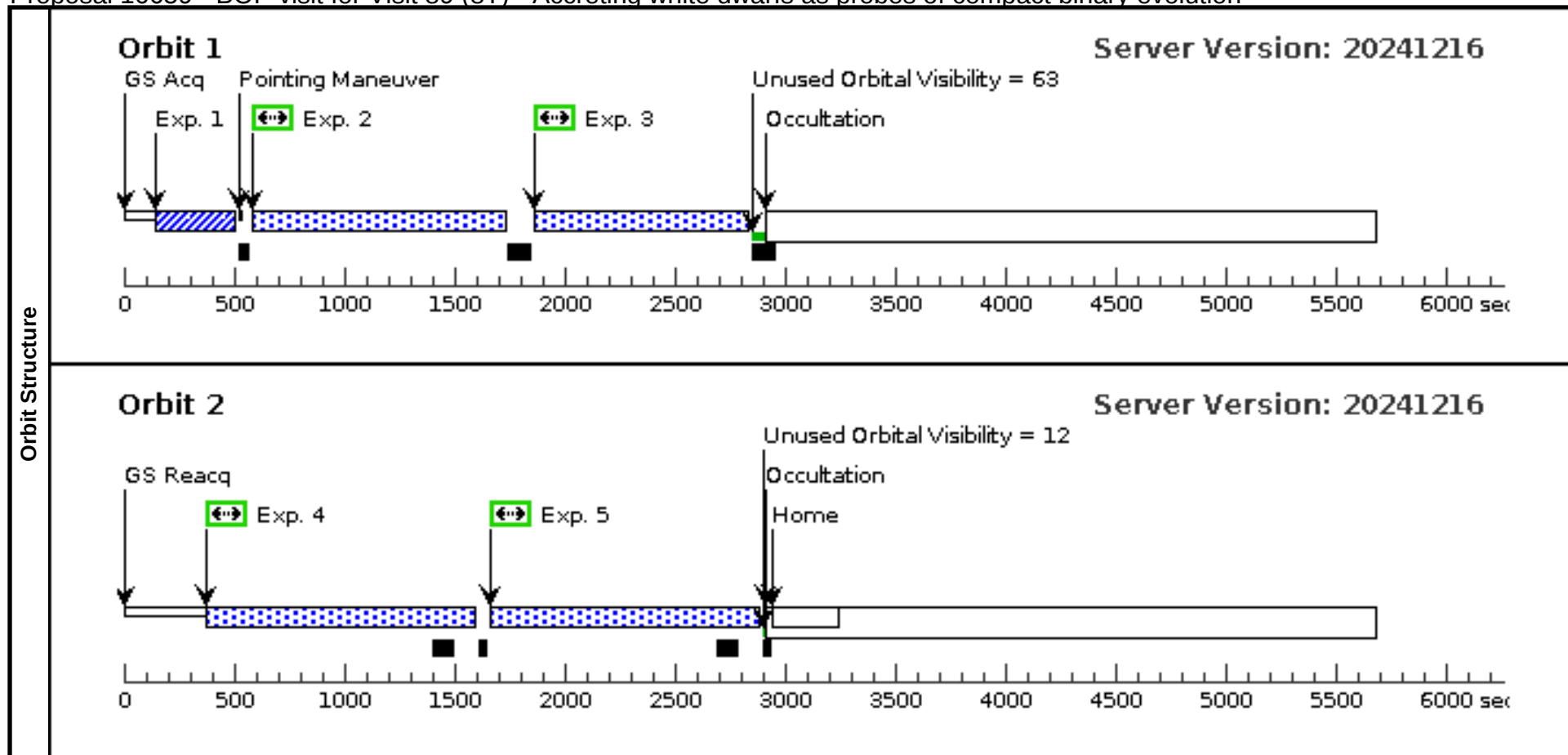
Visit	Proposal 16659, S/C visit for Visit 89 (8S), completed										Fri Apr 04 16:01:43 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: S/C											
	Special Requirements: SCHED 100%; ORIENT 15D TO 255 D											
Comments: This visi allocates and sets up the safe position offset slot for visit 89 which iwll use that slot. This S/C visit should go 3-5 days before visit 89. The S/C visit will contain only 1 exposure												
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(39)	SDSS-J080449.49+161624.8	RA: 08 04 49.4924 (121.2062183d) Dec: +16 16 24.77 (16.27355d) Equinox: J2000		Proper Motion RA: 0.7232202206091585 mas/yr Proper Motion Dec: -6.038241328538914 mas/yr Parallax: 0.0010588173554014943" Epoch of Position: 2016.0		V=18.6 FUV=17.8, NUV=17.6, Gaia EDR3 655188018235294208, G=18.3, parallax=1.1(1) mas.		Reference Frame: ICRS			
	Comments:											
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(39) SDSS-J080449.49+161624.8	S/C, DATA, V1			POS TARG 232.723, -237.515; SAVE OFFSET V89 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 180.2; QESIPARM DIST 9.567		5 Secs (5 Secs) [==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20241216 ←→ Exp. 1 GS AcqUnused Orbital Visibility = 2528 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Proposal 16659 - BOP visit for Visit 89 (8T) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for Visit 89 (8T), withdrawn Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 15D TO 255 D; BETWEEN 01-FEB-2024:00:00:00 AND 18-FEB-2024:00:00:00; BETWEEN 26-FEB-2024:00:00:00 AND 29-FEB-2024:00:00:00 <i>Comments: This visit is for BOP checking the safe target only and should not execute onboard HST</i>				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(39)	SDSS-J080449.49+161624.8	RA: 08 04 49.4924 (121.2062183d) Dec: +16 16 24.77 (16.27355d) Equinox: J2000	Proper Motion RA: 0.7232202206091585 mas/yr Proper Motion Dec: -6.038241328538914 mas/yr Parallax: 0.0010588173554014943" Epoch of Position: 2016.0	V=18.6 FUV=17.8, NUV=17.6, Gaia EDR3 6551880182352942 08, G=18.3, parallax=1.1(1) mas.
	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(99)	SDSS-J080449.49+1-SAFE-TARGET-2	Offset from SDSS-J080449.49+161624.8 RA Offset: 0.0 Secs Dec Offset: -9.567 Arcsec	V=18.6	Offset Position (SDSS-J080449.49+1-SAFE-TARGET-2)
	<i>Comments: This taret is a blank piece of sky which is the bright object safe pointing and is 9.567 arcseconds away at PA 180.2 degrees from SDSS-J080449</i> Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

Proposal 16659 - BOP visit for Visit 89 (8T) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1857192)	(99) SDSS-J080449. 49+1-SAFE-TARGE T-2	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				36 Secs (36 Secs) [==>]	[1]
	2	FP-POS=1 (1529739)	(99) SDSS-J080449. 49+1-SAFE-TARGE T-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=99 2; LIFETIME-POS=L P3			979 Secs (946 Secs) [==>946.0 Secs]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	3	FP-POS=2 (1529739)	(99) SDSS-J080449. 49+1-SAFE-TARGE T-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=99 2; LIFETIME-POS=L P3			954 Secs (921 Secs) [==>921.0 Secs]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	4	FP-POS=3 (1529739)	(99) SDSS-J080449. 49+1-SAFE-TARGE T-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=99 2; LIFETIME-POS=L P3			1179 Secs (1171 Secs) [==>1171.0 Secs]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	5	FP-POS=4 (1529739)	(99) SDSS-J080449. 49+1-SAFE-TARGE T-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=99 2; LIFETIME-POS=L P3			1179 Secs (1171 Secs) [==>1171.0 Secs]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									

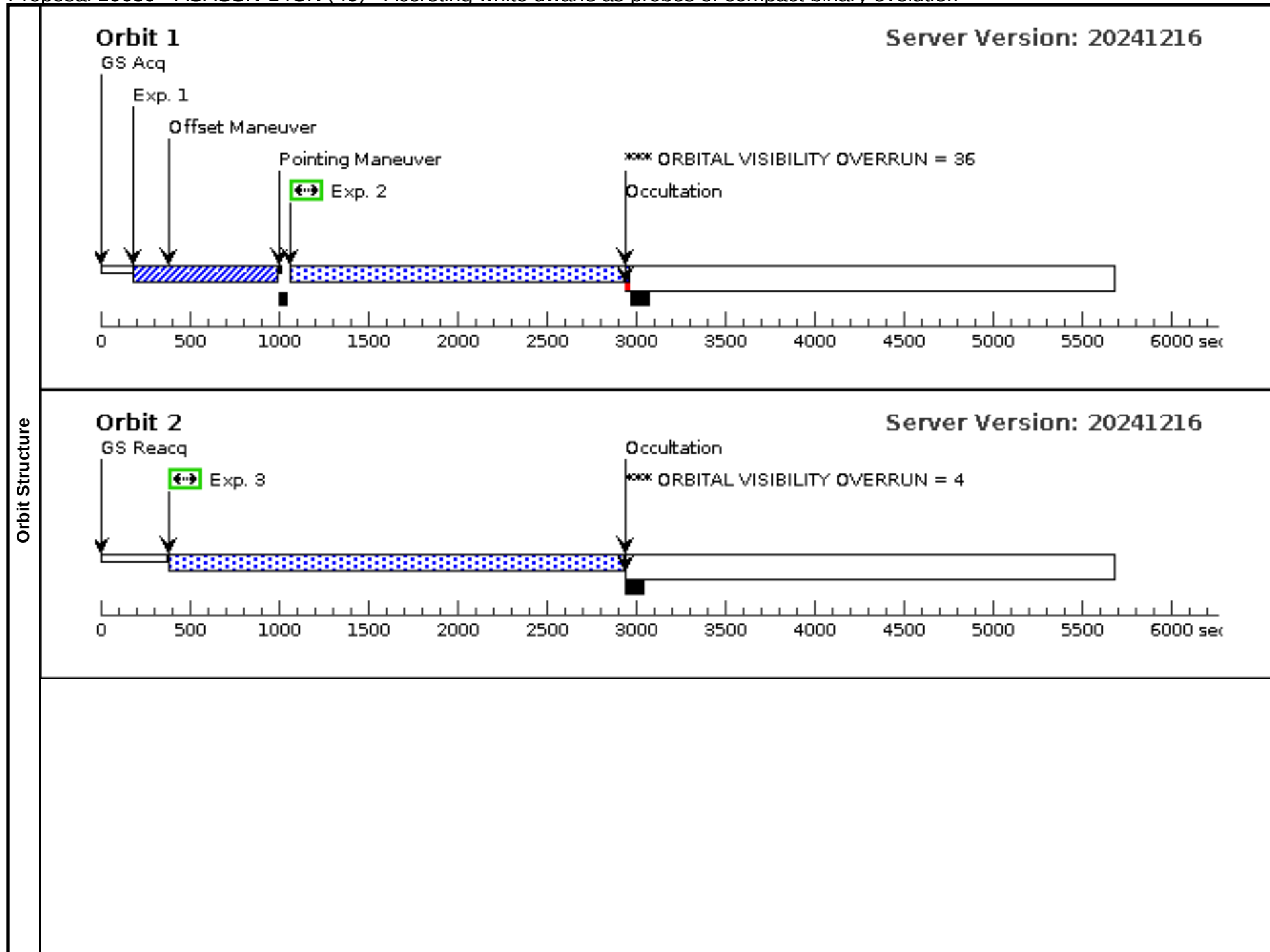


Proposal 16659 - ASASSN-14CN (40) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, ASASSN-14CN (40), completed					Fri Apr 04 16:01:43 GMT 2025
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT 50D TO 270 D; BETWEEN 01-SEP-2022:00:00:00 AND 30-SEP-2022:00:00:00					
Comments: This should be scheduled in evening-local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution.						
Diagnostics	(ASASSN-14CN (40)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(ASASSN-14CN (40)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(ASASSN-14CN (40)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(ASASSN-14CN (40)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(ASASSN-14CN (40)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(ASASSN-14CN (40)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(40)	ASASSN-14CN	RA: 16 11 33.9653 (242.8915221d)	Proper Motion RA: -4.041206116970807 mas/yr	V=18.8	Reference Frame: ICRS
			Dec: +63 08 31.66 (63.14213d)	Proper Motion Dec: -13.888552537101845 mas/yr	FUV=20.2,	
			Equinox: J2000	Parallax: 0.003889621428380525"	NUV=19.1,	
				Epoch of Position: 2016.0	Gaia EDR3 1629388752470472704,	
					G=18.3,	
					parallax=3.9(1) mas.	
Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO						

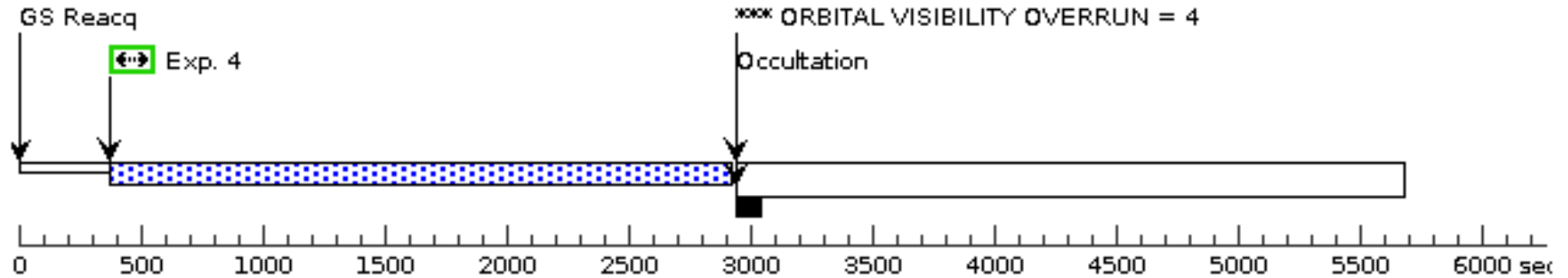
Proposal 16659 - ASASSN-14CN (40) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1529760)	(40) ASASSN-14CN	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V40S AF		260 Secs (260 Secs) [==>]	[1]
	Comments: The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector). The exposure time has been increase by an amount equal to the duration of the full eclipse (90 seconds). This will allow to reach the required S/N even if an eclipse occurs during the acquisition. 30 seconds more have been added to be conservative.									
	2	FP-POS=1 (1530141)	(40) ASASSN-14CN	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=16 95; LIFETIME-POS=L P3	USE OFFSET V40S AF		1695 Secs (1695 Secs) [==>]	[1]
	3	FP-POS=1 (1530141)	(40) ASASSN-14CN	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=25 02; LIFETIME-POS=L P3	USE OFFSET V40S AF		2502 Secs (2502 Secs) [==>]	[2]
	4	FP-POS=2 (1530141)	(40) ASASSN-14CN	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=25 02; LIFETIME-POS=L P3	USE OFFSET V40S AF		2502 Secs (2502 Secs) [==>]	[3]
	5	FP-POS=2 (1530141)	(40) ASASSN-14CN	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=25 02; LIFETIME-POS=L P3	USE OFFSET V40S AF		2502 Secs (2502 Secs) [==>]	[4]
	6	FP-POS=3 (1530141)	(40) ASASSN-14CN	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=25 02; LIFETIME-POS=L P3	USE OFFSET V40S AF		2502 Secs (2502 Secs) [==>]	[5]
	7	FP-POS=4 (1530141)	(40) ASASSN-14CN	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=25 02; LIFETIME-POS=L P3	USE OFFSET V40S AF		2502 Secs (2502 Secs) [==>]	[6]



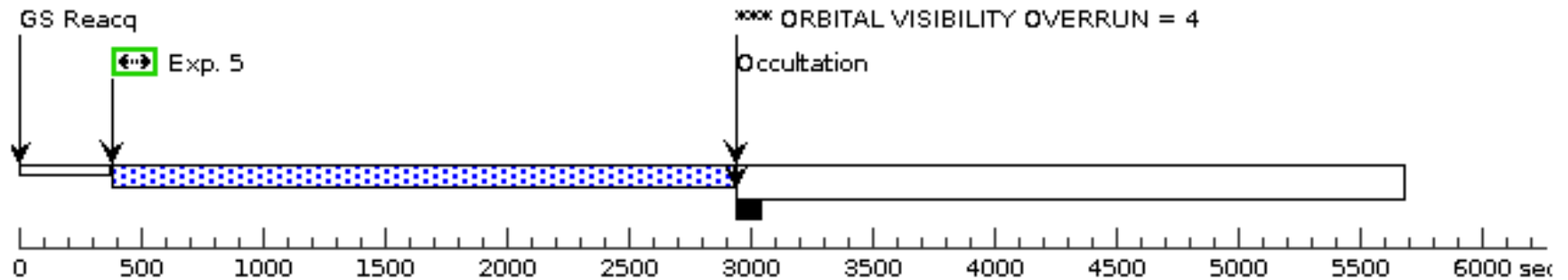
Orbit 3

Server Version: 20241216



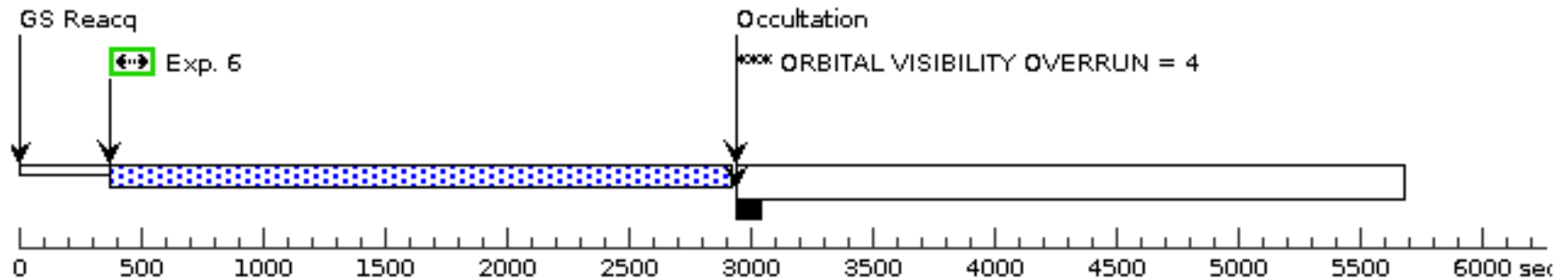
Orbit 4

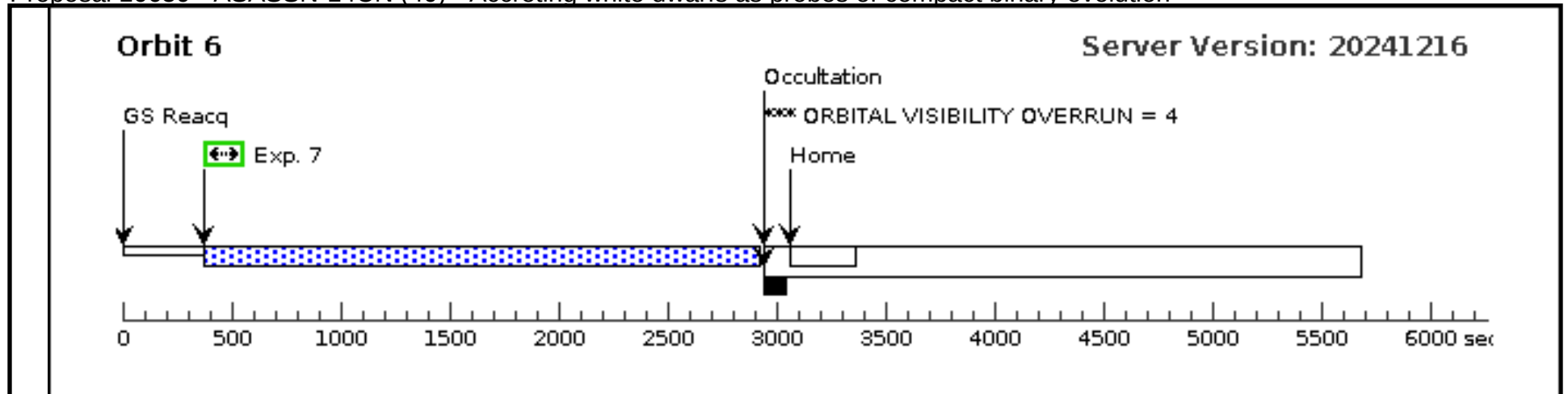
Server Version: 20241216



Orbit 5

Server Version: 20241216





Proposal 16659 - S/C visit for visit 40 (4A) - Accreting white dwarfs as probes of compact binary evolution

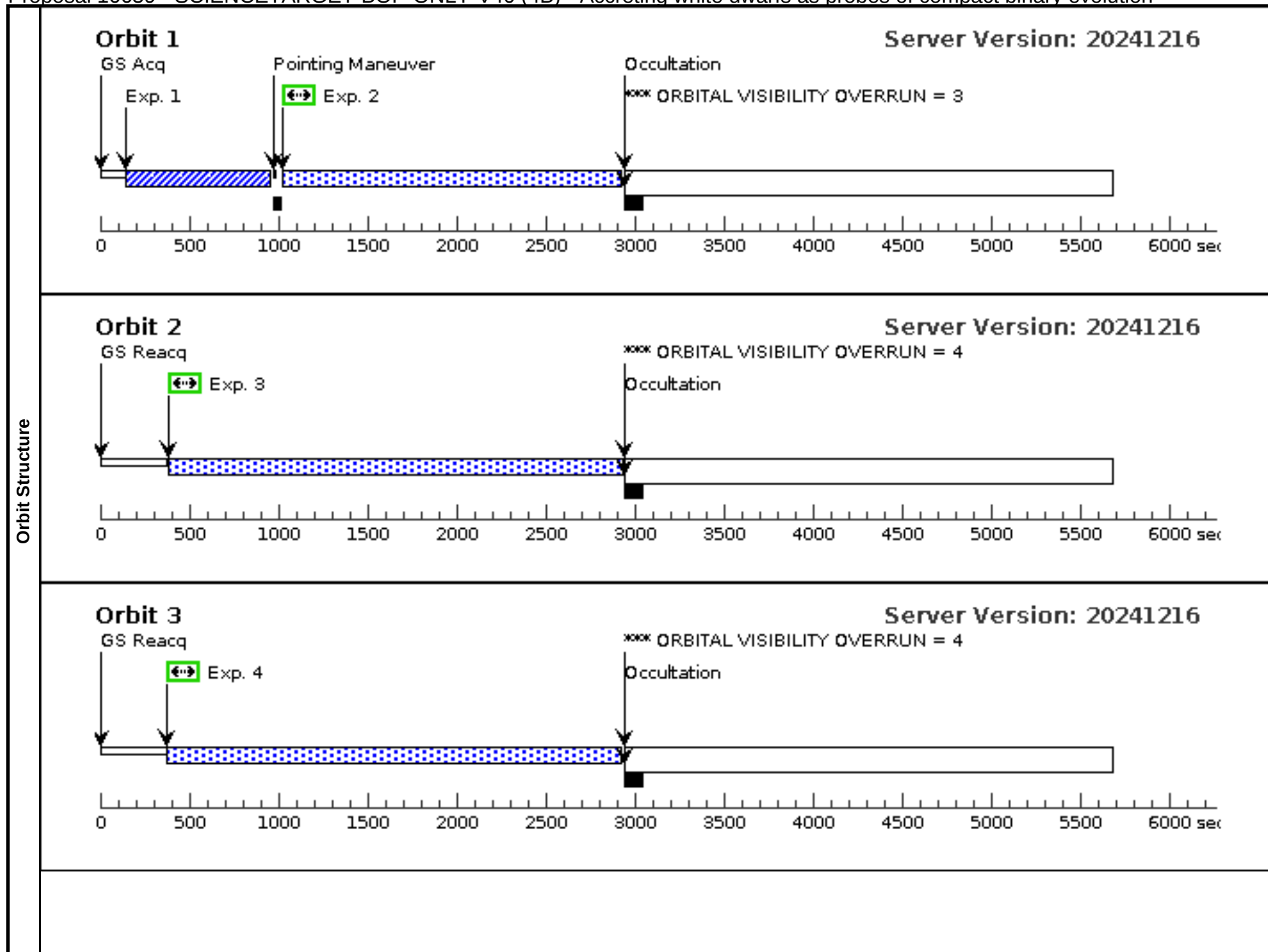
Visit	Proposal 16659, S/C visit for visit 40 (4A), completed					Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: S/C									
	Special Requirements: SCHED 100%; ORIENT 50D TO 270 D									
Comments: This visit allocates and sets up the safe position offset slot for visit 40 which will use that slot. This S/C visit should go earlier in the week while visit 40 will be at least 3 days later. The S/C visit will contain only 1 exposure.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(40)	ASASSN-14CN	RA: 16 11 33.9653 (242.8915221d) Dec: +63 08 31.66 (63.14213d) Equinox: J2000	Proper Motion RA: -4.041206116970807 mas/yr Proper Motion Dec: -13.888552537101845 mas/yr Parallax: 0.003889621428380525" Epoch of Position: 2016.0	V=18.8 FUV=20.2, NUV=19.1, Gaia EDR3 1629388752470472704, G=18.3, parallax=3.9(1) mas.	Reference Frame: ICRS				
	Comments:									
	Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(40) ASASSN-14CN	S/C, DATA, V1			POS TARG 232.723 00000,-237.5150000 0; SAVE OFFSET V40 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGL E 204.4; QESIPARM DIST 9.812		5 Secs (5 Secs) [==>]	[1]
Orbit Structure	Orbit 1 GS Acq Unused Orbital Visibility = 2557 Exp. 1 Occultation <									

Proposal 16659 - SCIENCETARGET-BOP-ONLY-V40 (4B) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, SCIENCETARGET-BOP-ONLY-V40 (4B), withdrawn					Fri Apr 04 16:01:43 GMT 2025
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT 50D TO 270 D; BETWEEN 01-SEP-2022:00:00:00 AND 30-SEP-2022:00:00:00					
Comments: This visit is for BOP checking the safe target only and should not execute onboard HST.						
Diagnostics	(SCIENCETARGET-BOP-ONLY-V40 (4B)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(SCIENCETARGET-BOP-ONLY-V40 (4B)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(SCIENCETARGET-BOP-ONLY-V40 (4B)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(SCIENCETARGET-BOP-ONLY-V40 (4B)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(SCIENCETARGET-BOP-ONLY-V40 (4B)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(SCIENCETARGET-BOP-ONLY-V40 (4B)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(40)	ASASSN-14CN	RA: 16 11 33.9653 (242.8915221d) Dec: +63 08 31.66 (63.14213d) Equinox: J2000	Proper Motion RA: -4.041206116970807 mas/yr Proper Motion Dec: -13.888552537101845 mas/yr Parallax: 0.003889621428380525" Epoch of Position: 2016.0	V=18.8 FUV=20.2, NUV=19.1, Gaia EDR3 1629388752470472704, G=18.3, parallax=3.9(1) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					
	(85)	ASASSN-14CN-SAFE-TARGET	Offset from ASASSN-14CN RA Offset: -0.68 Secs Dec Offset: -8.614 Arcsec		V=18.8	Offset Position (ASASSN-14CN-SAFE-TARGET)
	Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.8 arcseconds away at a PA 208.5 degrees from ASASSN-14CN. Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO					

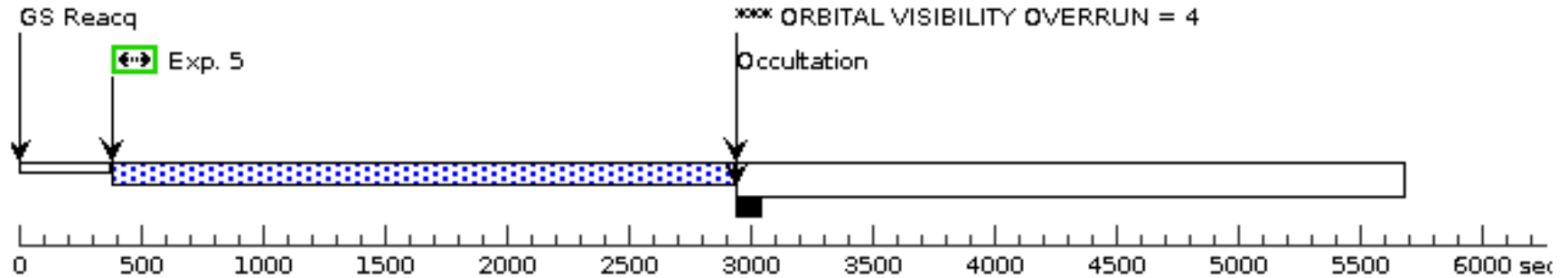
Proposal 16659 - SCIENCETARGET-BOP-ONLY-V40 (4B) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1529760)	(85) ASASSN-14CN -SAFE-TARGET	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				260 Secs (260 Secs) [==>]	[1]
	Comments: The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector). The exposure time has been increase by an amount equal to the duration of the full eclipse (90 seconds). This will allow to reach the required S/N even if an eclipse occurs during the acquisition. 30 seconds more have been added to be conservative.									
	2	FP-POS=1 (1530141)	(85) ASASSN-14CN -SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=16 95; LIFETIME-POS=L P3			1695 Secs (1695 Secs) [==>]	[1]
	3	FP-POS=1 (1530141)	(85) ASASSN-14CN -SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=25 02; LIFETIME-POS=L P3			2502 Secs (2502 Secs) [==>]	[2]
	4	FP-POS=2 (1530141)	(85) ASASSN-14CN -SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=25 02; LIFETIME-POS=L P3			2502 Secs (2502 Secs) [==>]	[3]
	5	FP-POS=2 (1530141)	(85) ASASSN-14CN -SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=25 02; LIFETIME-POS=L P3			2502 Secs (2502 Secs) [==>]	[4]
	6	FP-POS=3 (1530141)	(85) ASASSN-14CN -SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=25 02; LIFETIME-POS=L P3			2502 Secs (2502 Secs) [==>]	[5]
	7	FP-POS=4 (1530141)	(85) ASASSN-14CN -SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=25 02; LIFETIME-POS=L P3			2502 Secs (2502 Secs) [==>]	[6]



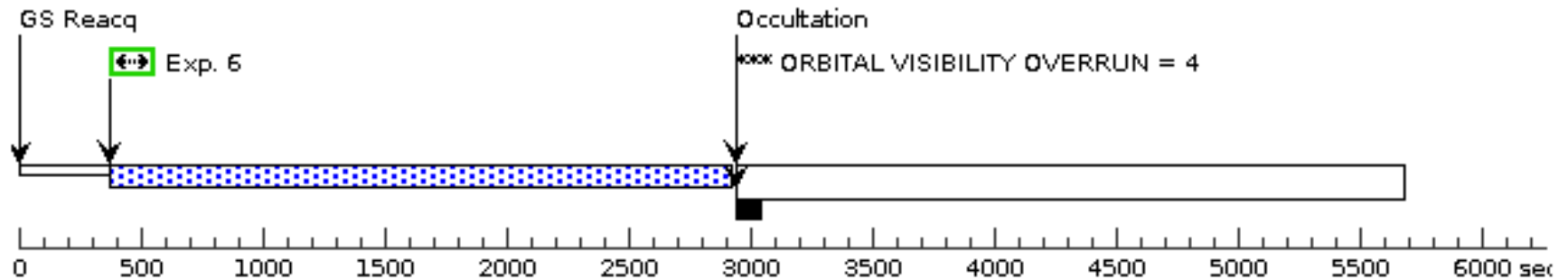
Orbit 4

Server Version: 20241216



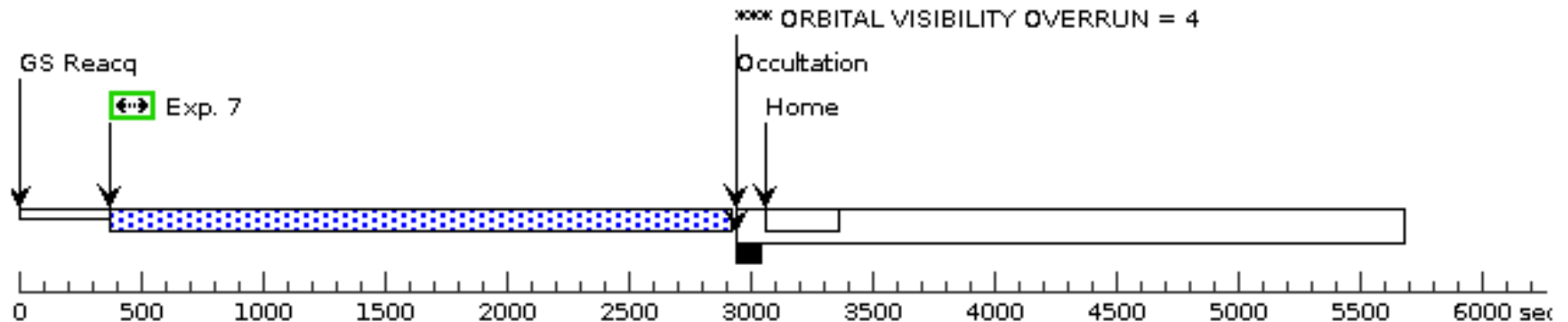
Orbit 5

Server Version: 20241216



Orbit 6

Server Version: 20241216



Proposal 16659 - ZTF-J2252-0519 (41) - Accreting white dwarfs as probes of compact binary evolution

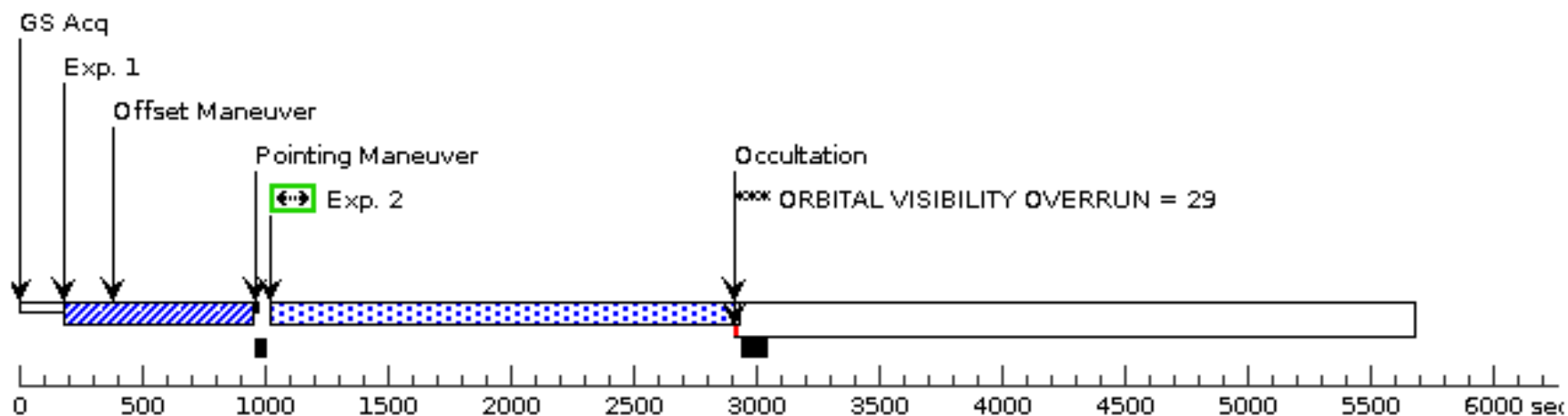
Visit	Proposal 16659, ZTF-J2252-0519 (41), completed Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 255D TO 130 D; BETWEEN 01-NOV-2022:00:00:00 AND 30-NOV-2022:00:00:00 <i>Comments: This visit should be scheduled in the evening local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution</i>				
Diagnostics	(ZTF-J2252-0519 (41)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(41)	ZTF-J2252-0519	RA: 22 52 37.0553 (343.1543971d) Dec: -05 19 17.21 (-5.32145d) Equinox: J2000	Proper Motion RA: 0.8537187787457281 mas/yr Proper Motion Dec: -15.03812317125283 mas/yr Parallax: 0.001953155669948511" Epoch of Position: 2016.0	V=18.6 FUV=19.5, NUV=19.4, Gaia EDR3 2612053222273626752, G= 19.04, parallax =1.95(31) mas.
	Miscellaneous Reference Frame: ICRS				
	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				

Proposal 16659 - ZTF-J2252-0519 (41) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1529766)	(41) ZTF-J2252-051 9	COS/NUV, ACQ/IMAGE, PSA	MIRRORB		USE OFFSET V41S AF		240 Secs (240 Secs) [==>]	[1]
	Comments: The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector). The exposure time has been increase by an amount equal to the duration of the full eclipse (90 seconds). This will allow to reach the required S/N even if an eclipse occurs during the acquisition. 30 seconds more have been added to be conservative.									
	2	FP-POS=1 (1530288)	(41) ZTF-J2252-051 9	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=16 99; LIFETIME-POS=L P3	USE OFFSET V41S AF		1699 Secs (1699 Secs) [==>]	[1]
	3	FP-POS=2 (1530288)	(41) ZTF-J2252-051 9	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=24 66; LIFETIME-POS=L P3	USE OFFSET V41S AF		2466 Secs (2466 Secs) [==>]	[2]
	4	FP-POS=3 (1530288)	(41) ZTF-J2252-051 9	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=24 66; LIFETIME-POS=L P3	USE OFFSET V41S AF		2466 Secs (2466 Secs) [==>]	[3]
	5	FP-POS=4 (1530288)	(41) ZTF-J2252-051 9	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=24 66; LIFETIME-POS=L P3	USE OFFSET V41S AF		2466 Secs (2466 Secs) [==>]	[4]
	6	FP-POS=4 (1530288)	(41) ZTF-J2252-051 9	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=24 66; LIFETIME-POS=L P3	USE OFFSET V41S AF		2466 Secs (2466 Secs) [==>]	[5]

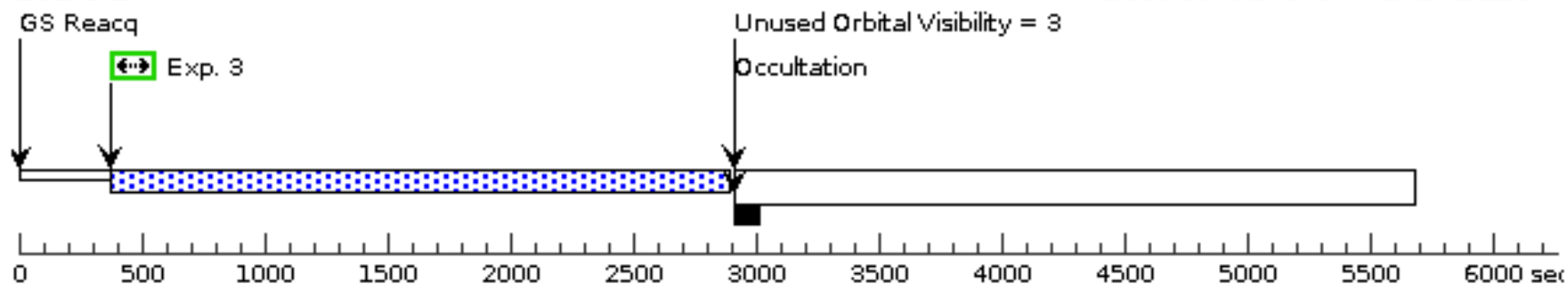
Orbit 1

Server Version: 20241216



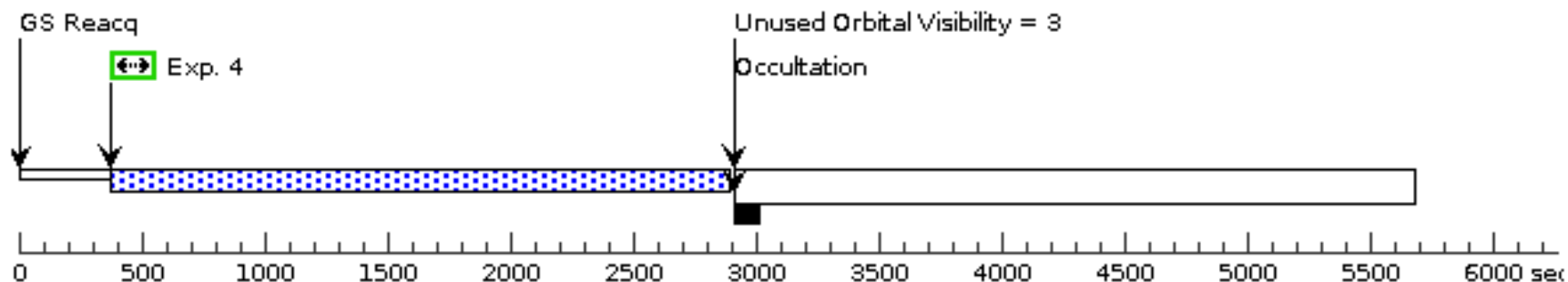
Orbit 2

Server Version: 20241216



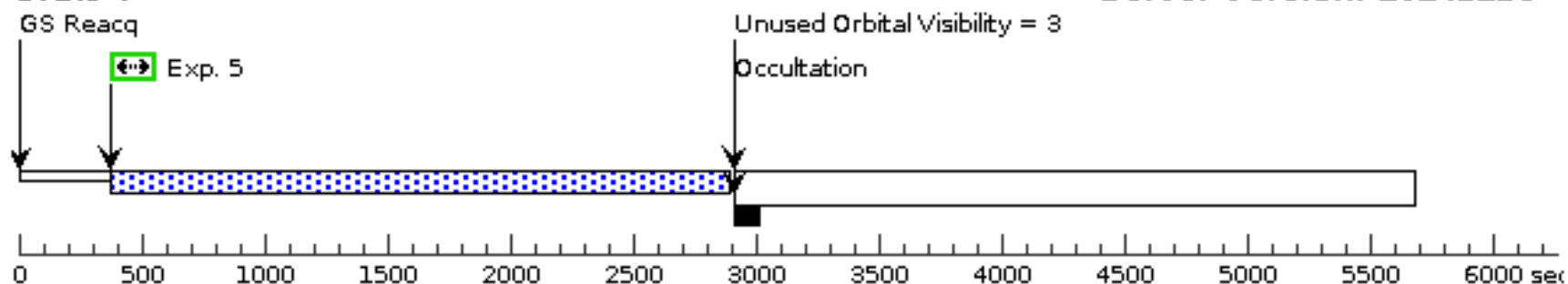
Orbit 3

Server Version: 20241216



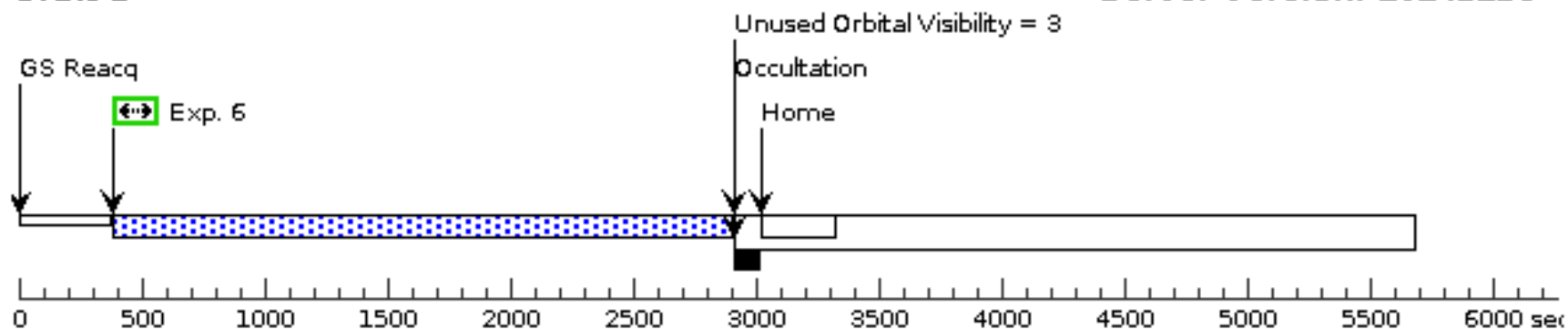
Orbit 4

Server Version: 20241216



Orbit 5

Server Version: 20241216



Proposal 16659 - S/C visit for Visit 41 (4C) - Accreting white dwarfs as probes of compact binary evolution

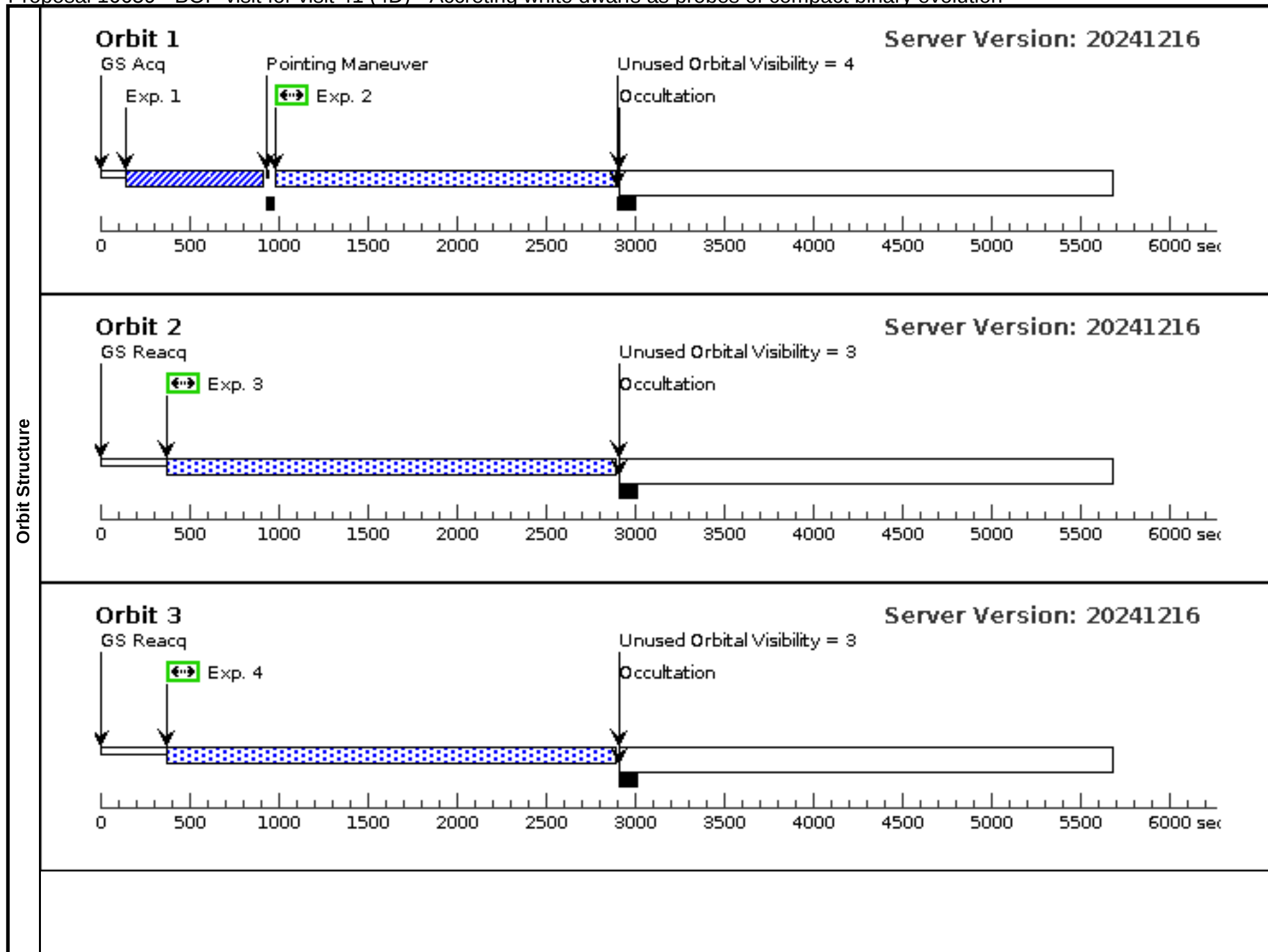
Visit	Proposal 16659, S/C visit for Visit 41 (4C), completed										Fri Apr 04 16:01:43 GMT 2025
	Diagnostic Status: No Diagnostics Scientific Instruments: S/C Special Requirements: SCHED 100%; ORIENT 255D TO 130 D Comments: This visit allocates and sets up the safe position offset slot for visit 41 which will use that slot. This S/C visit should go earlier in the week while visit 41 will be at least 3 days later. The S/C visit will contain only 1 exposure.										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(41)	ZTF-J2252-0519	RA: 22 52 37.0553 (343.1543971d) Dec: -05 19 17.21 (-5.32145d) Equinox: J2000		Proper Motion RA: 0.8537187787457281 mas/yr Proper Motion Dec: -15.03812317125283 mas/yr Parallax: 0.001953155669948511" Epoch of Position: 2016.0		V=18.6 FUV=19.5, NUV=19.4, Gaia EDR3 2612053222273626752, G= 19.04, parallax =1.95(31) mas.		Reference Frame: ICRS		
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(41) ZTF-J2252-0519	S/C, DATA, V1			POS TARG 232.723, -237.515; SAVE OFFSET V41 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGL E 53.6; QESIPARM DIST 9.73		5 Secs (5 Secs) [==>]		[1]
Orbit Structure	Orbit 1										
	Server Version: 20241216										

Proposal 16659 - BOP visit for visit 41 (4D) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for visit 41 (4D), withdrawn					Fri Apr 04 16:01:43 GMT 2025
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT 255D TO 130 D; BETWEEN 01-NOV-2022:00:00:00 AND 30-NOV-2022:00:00:00					
	Comments: This should be used for BOP checking the safe target only and should not execute onboard HST.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(41)	ZTF-J2252-0519	RA: 22 52 37.0553 (343.1543971d) Dec: -05 19 17.21 (-5.32145d) Equinox: J2000	Proper Motion RA: 0.8537187787457281 mas/yr Proper Motion Dec: -15.03812317125283 mas/yr Parallax: 0.001953155669948511" Epoch of Position: 2016.0	V=18.6 FUV=19.5, NUV=19.4, Gaia EDR3 2612053222273626752, G= 19.04, parallax =1.95(31) mas.	Reference Frame: ICRS
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					
	(86)	ZTF-J2252-0519-SAFE-TARGET	Offset from ZTF-J2252-0519 RA Offset: 0.52 Secs Dec Offset: 5.775 Arcsec		V=18.6	Offset Position (ZTF-J2252-0519-SAFE-TARGET)
	Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.73 arcsec away at PA 53.6 degrees from ZTF-J2252-0519 Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO					

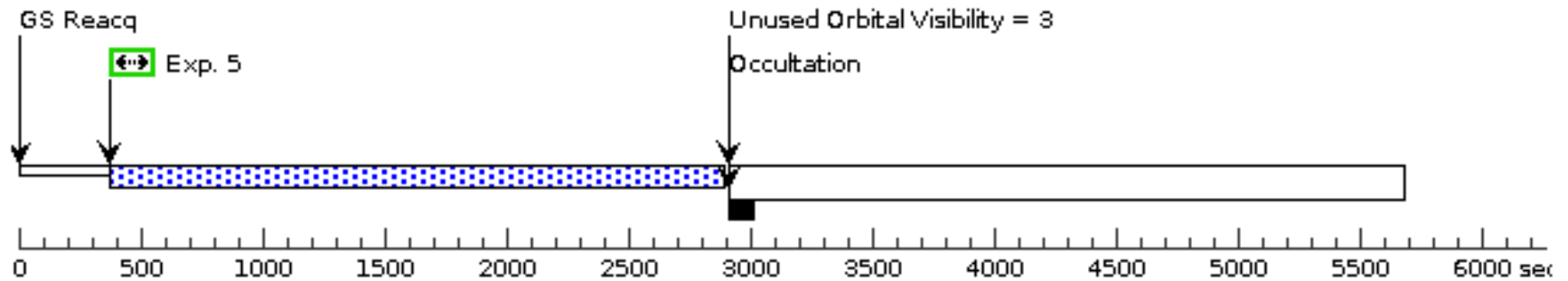
Proposal 16659 - BOP visit for visit 41 (4D) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1529766)	(86) ZTF-J2252-051 9-SAFE-TARGET	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				240 Secs (240 Secs) [==>]	[1]
	Comments: The target is too faint for a spectroscopic acquisition on short time. Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector). The exposure time has been increase by an amount equal to the duration of the full eclipse (90 seconds). This will allow to reach the required S/N even if an eclipse occurs during the acquisition. 30 seconds more have been added to be conservative.									
	2	FP-POS=1 (1530288)	(86) ZTF-J2252-051 9-SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=16 99; LIFETIME-POS=L P3			1699 Secs (1699 Secs) [==>]	[1]
	3	FP-POS=2 (1530288)	(86) ZTF-J2252-051 9-SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=24 66; LIFETIME-POS=L P3			2466 Secs (2466 Secs) [==>]	[2]
	4	FP-POS=3 (1530288)	(86) ZTF-J2252-051 9-SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=24 66; LIFETIME-POS=L P3			2466 Secs (2466 Secs) [==>]	[3]
	5	FP-POS=4 (1530288)	(86) ZTF-J2252-051 9-SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=24 66; LIFETIME-POS=L P3			2466 Secs (2466 Secs) [==>]	[4]
	6	FP-POS=4 (1530288)	(86) ZTF-J2252-051 9-SAFE-TARGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=24 66; LIFETIME-POS=L P3			2466 Secs (2466 Secs) [==>]	[5]



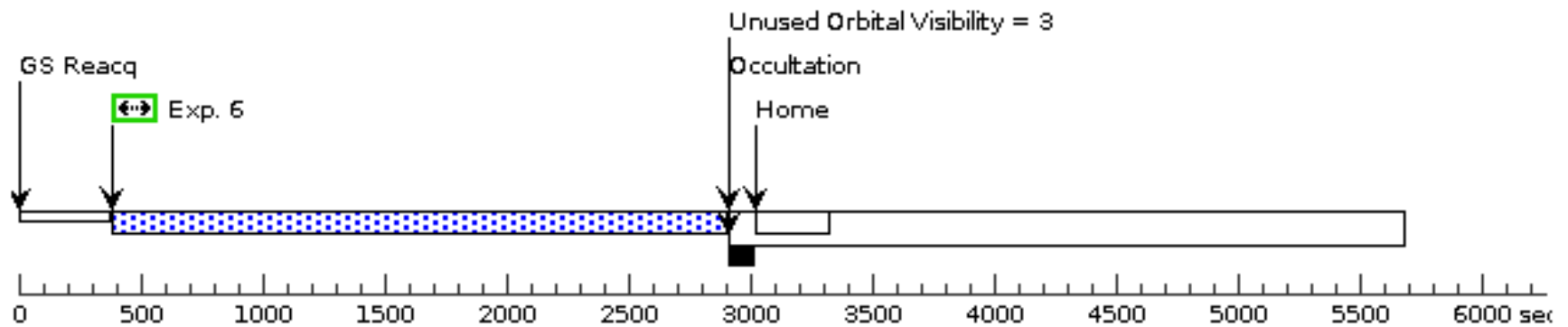
Orbit 4

Server Version: 20241216



Orbit 5

Server Version: 20241216



Proposal 16659 - GALEX-J113315.3-371019 (42) - Accreting white dwarfs as probes of compact binary evolution

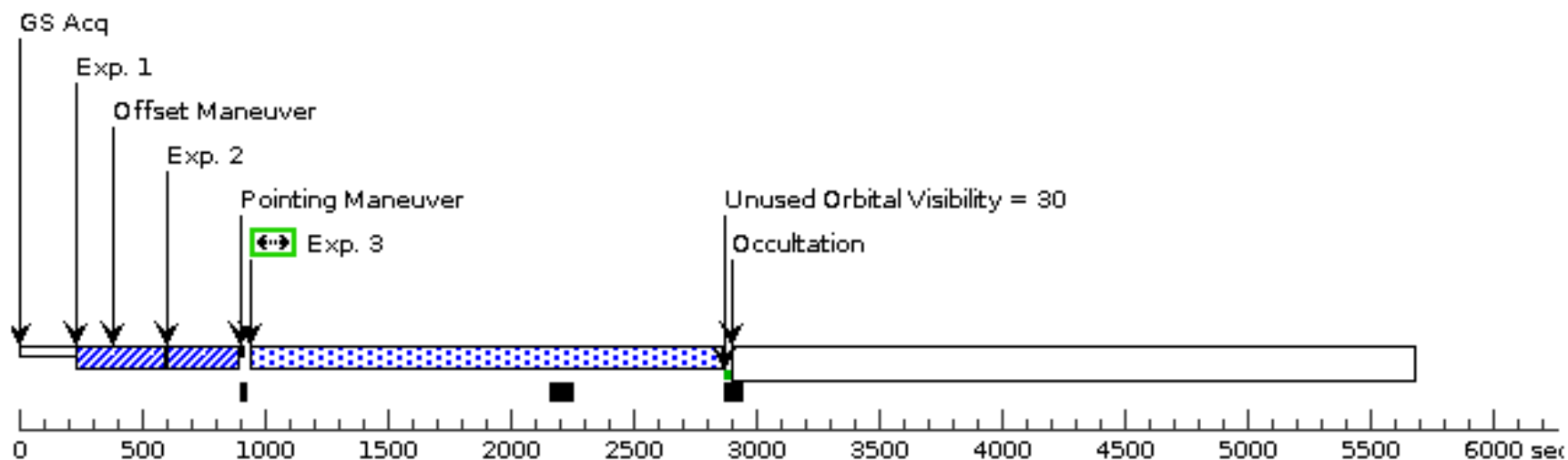
Visit	Proposal 16659, GALEX-J113315.3-371019 (42), completed Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 270D TO 145 D; BETWEEN 01-MAY-2024:00:00:00 AND 31-MAY-2024:00:00:00 Comments: This should be scheduled in evening local time on a Thursday or Friday. Flags need to be cleared during the work day. Weekends and holidays are to be avoided since the CS must clear the target within 24 hours of HST execution.				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(42)	GALEX-J113315.3-371019	RA: 11 33 15.3676 (173.3140317d) Dec: -37 10 20.36 (-37.17232d) Equinox: J2000	Proper Motion RA: 3.8634495493958063 mas/yr Proper Motion Dec: -25.72474539381547 mas/yr Parallax: 0.004198074961568462" Epoch of Position: 2016.0	V=14.7+/-0.2 FUV=17.2, NUV=17.2, Gaia EDR3 5386114565161537920, G=17.4, parallax=4.20(7) mas.
Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - GALEX-J113315.3-371019 (42) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1529775)	(42) GALEX-J11331 5.3-371019	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V42S AF		28 Secs (28 Secs) [==>]	[1]
	Comments: Computed assuming a black body with $T_{\text{eff}}=17000\text{K}$, scaled to $FUV=17.3$ (from Galex observations).									
	2	ACQ/PEAK D (1529775)	(42) GALEX-J11331 5.3-371019	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V42S AF		28 Secs (28 Secs) [==>]	[1]
	Comments: Computed assuming a black body with $T_{\text{eff}}=17000\text{K}$, scaled to $FUV=17.3$ (from Galex observations).									
	3	FP-POS=1 (1529779)	(42) GALEX-J11331 5.3-371019	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=10 82; LIFETIME-POS=L P3	USE OFFSET V42S AF		1835 Secs (1764 Secs) [==>1764.0 Secs]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
Exposures	4	FP-POS=2 (1529779)	(42) GALEX-J11331 5.3-371019	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=10 82; LIFETIME-POS=L P3	USE OFFSET V42S AF		1140 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	5	FP-POS=3 (1529779)	(42) GALEX-J11331 5.3-371019	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=10 82; LIFETIME-POS=L P3	USE OFFSET V42S AF		1140 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	6	FP-POS=4 (1529779)	(42) GALEX-J11331 5.3-371019	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=10 82; LIFETIME-POS=L P3	USE OFFSET V42S AF		2471 Secs (2450 Secs) [==>2450.0 Secs]	[3]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									

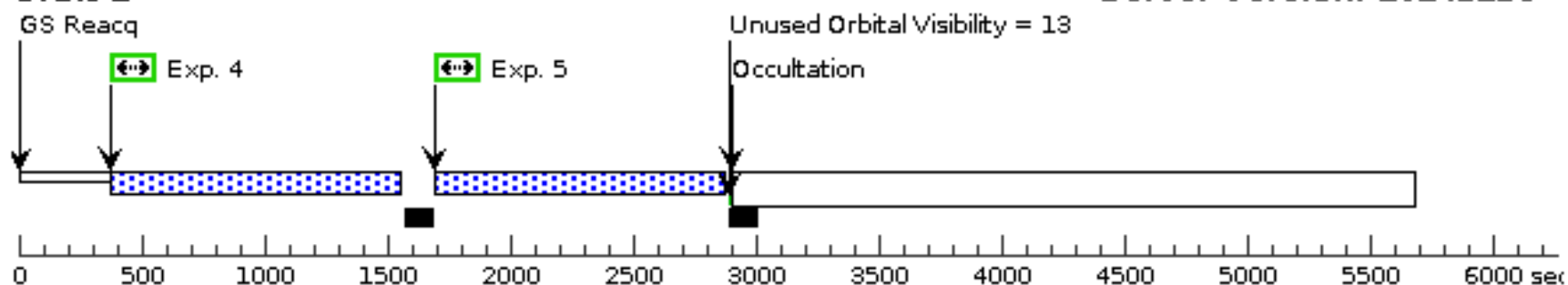
Orbit 1

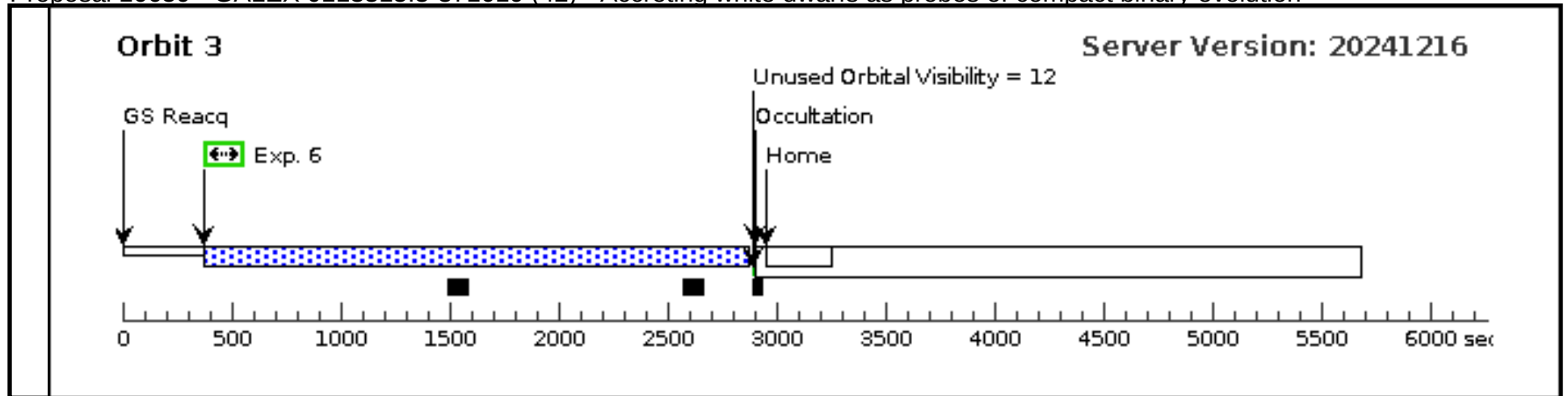
Server Version: 20241216



Orbit 2

Server Version: 20241216





Proposal 16659 - S/C visit for Visit 42 (4E) - Accreting white dwarfs as probes of compact binary evolution

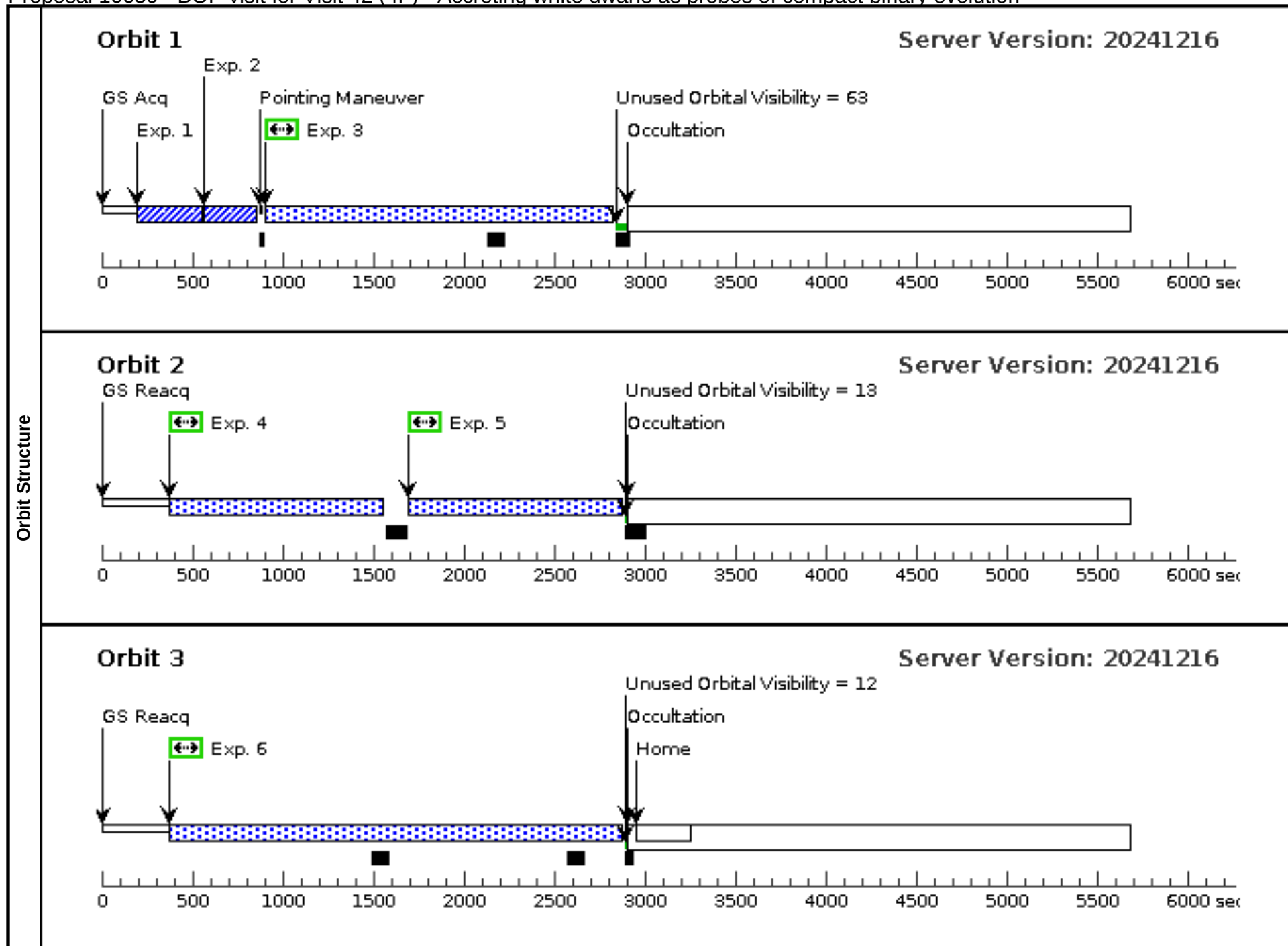
Visit	Proposal 16659, S/C visit for Visit 42 (4E), completed						Fri Apr 04 16:01:43 GMT 2025			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: S/C									
	Special Requirements: SCHED 100%; ORIENT 270D TO 145 D									
Comments: This visit allocates and sets up the safe position offset slot for visit 42 which will use that slot. This S/C visit should go 3-5 days before visit 42. The S/C visit will contain only 1 exposure										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(42)	GALEX-J113315.3-371019	RA: 11 33 15.3676 (173.3140317d) Dec: -37 10 20.36 (-37.17232d) Equinox: J2000	Proper Motion RA: 3.8634495493958063 mas/yr Proper Motion Dec: -25.72474539381547 mas/yr Parallax: 0.004198074961568462" Epoch of Position: 2016.0	V=14.7+/-0.2 FUV=17.2, NUV=17.2, Gaia EDR3 5386114565161537920, G=17.4, parallax=4.20(7) mas.	Reference Frame: ICRS				
	Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(42) GALEX-J11331 5.3-371019	S/C, DATA, V1			POS TARG 229.132 80,-241.0575; SAVE OFFSET V42 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGLE 69.6; QESIPARM DIST 9.706		5 Secs (5 Secs) [==>]	[1]
Orbit Structure	Orbit 1 GS Acq Unused Orbital Visibility = 2521 Exp. 1 Occultation 050010001500200025003000350040004500500055006000 sec									
	Server Version: 20241216									

Proposal 16659 - BOP visit for Visit 42 (4F) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for Visit 42 (4F), withdrawn Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 270D TO 145 D; BETWEEN 01-MAY-2024:00:00:00 AND 31-MAY-2024:00:00:00 <i>Comments: This visit is for BOP checking the safe target only and should not execute onboard HST</i>				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(42)	GALEX-J113315.3-371019	RA: 11 33 15.3676 (173.3140317d) Dec: -37 10 20.36 (-37.17232d) Equinox: J2000	Proper Motion RA: 3.8634495493958063 mas/yr Proper Motion Dec: -25.72474539381547 mas/yr Parallax: 0.004198074961568462" Epoch of Position: 2016.0	V=14.7+/-0.2 FUV=17.2, NUV=17.2, Gaia EDR3 5386114565161537920, G=17.4, parallax=4.20(7) mas.
Fixed Targets	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(102)	GALEX-J113315.3-371-SAFE-TARGET	Offset from GALEX-J113315.3-371019 RA Offset: 0.76 Secs Dec Offset: 3.38 Arcsec	V=14.7+/-0.2	Offset Position (GALEX-J113315.3-371-SAFE-TARGET)
Fixed Targets	<i>Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.706 arcseconds away at PA 69.6 degrees from GALEX-J113315</i> Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

Proposal 16659 - BOP visit for Visit 42 (4F) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1529775)	(102) GALEX-J1133 15.3-371-SAFE-TA RGET	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			28 Secs (28 Secs) [==>]	[1]
	Comments: Computed assuming a black body with $T_{\text{eff}}=17000\text{K}$, scaled to $FUV=17.3$ (from Galex observations).									
	2	ACQ/PEAK D (1529775)	(102) GALEX-J1133 15.3-371-SAFE-TA RGET	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			28 Secs (28 Secs) [==>]	[1]
	Comments: Computed assuming a black body with $T_{\text{eff}}=17000\text{K}$, scaled to $FUV=17.3$ (from Galex observations).									
	3	FP-POS=1 (1529779)	(102) GALEX-J1133 15.3-371-SAFE-TA RGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=10 82; LIFETIME-POS=L P3			1835 Secs (1764 Secs) [==>1764.0 Secs]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	4	FP-POS=2 (1529779)	(102) GALEX-J1133 15.3-371-SAFE-TA RGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=10 82; LIFETIME-POS=L P3			1140 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	5	FP-POS=3 (1529779)	(102) GALEX-J1133 15.3-371-SAFE-TA RGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=10 82; LIFETIME-POS=L P3			1140 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	6	FP-POS=4 (1529779)	(102) GALEX-J1133 15.3-371-SAFE-TA RGET	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=10 82; LIFETIME-POS=L P3			2471 Secs (2450 Secs) [==>2450.0 Secs]	[3]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									

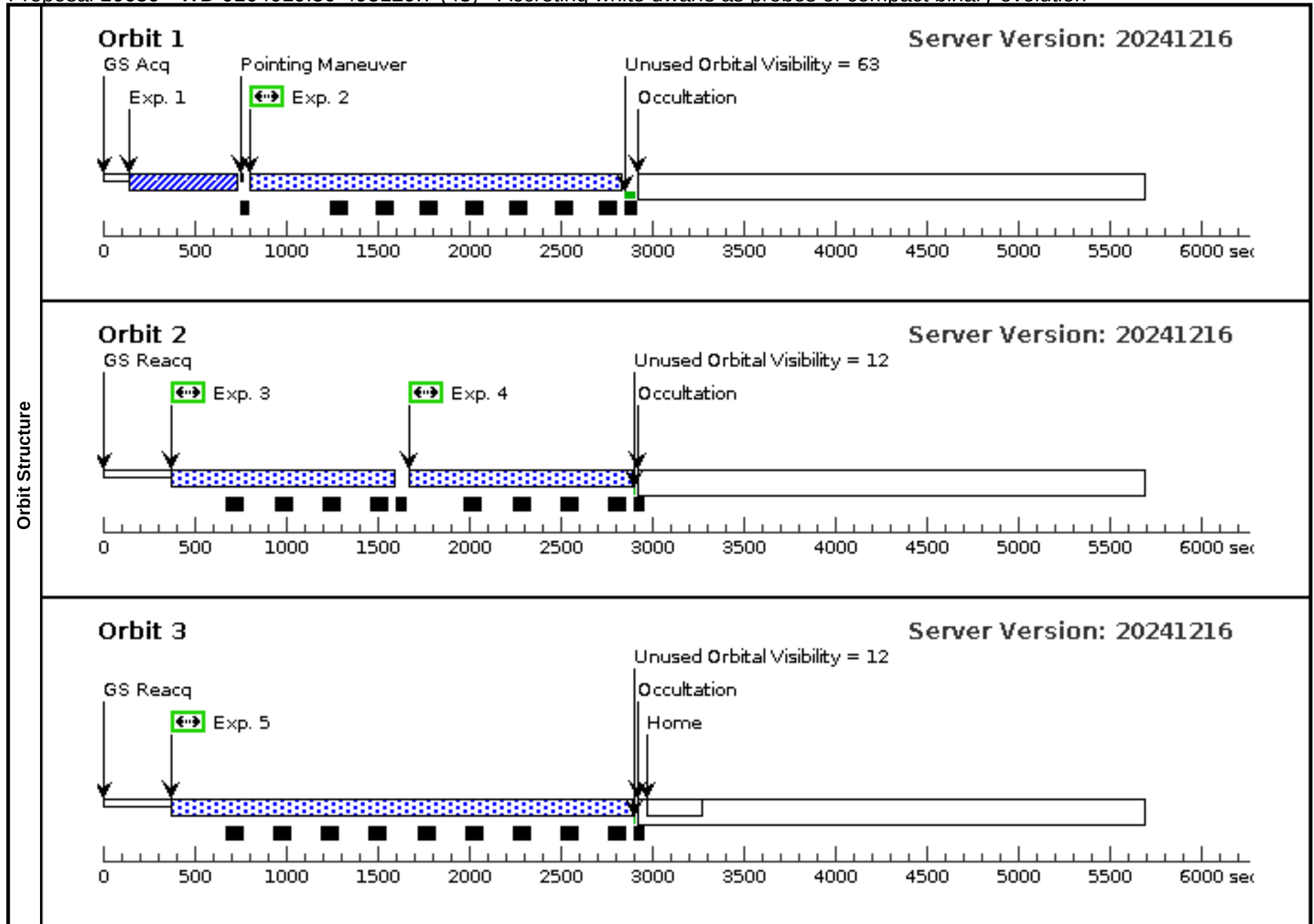


Proposal 16659 - WD-J104019.50-495129.7 (43) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, WD-J104019.50-495129.7 (43), implementation Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; BETWEEN 02-JUN-2025:00:00:00 AND 15-JUN-2025:00:00:00 Comments: This should be scheduled in the evening local-time on a Thursday or Friday. Flags need to be cleared during the work day. Weekends and holidays are to be avoided since the CS must clear the target within 24 hours of HST execution				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(43)	WD-J104019.50-495129.7	RA: 10 40 19.4785 (160.0811604d) Dec: -49 51 29.43 (-49.85818d) Equinox: J2000	Proper Motion RA: -11.746504535541535 mas/yr Proper Motion Dec: 16.566512133372953 mas/yr Parallax: 0.003783567563747677" Epoch of Position: 2016.0	V=17 Gaia EDR3 5360970516650651 136, G=17.1, parallax= 3.78(5) mas.
Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

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Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E (1895722)	(43) WD-J104019.50 -495129.7	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				150 Secs (150 Secs) [==>]	[1]
	Comments: Using mirror B to avoid exceeding count rate per pixel in case the system is brighter than expected (but still safe for the detector). The exposure time computed assuming a black body with $T_{\text{eff}}=17000\text{K}$, scaled to $FUV=17$, and has been increase by an amount equal to the duration of the full eclipse (90 seconds). This will allow to reach the required S/N even if an eclipse occurs during the acquisition. 50 seconds more have been added to be conservative.									
	2	FP-POS=1 (1529784)	(43) WD-J104019.50 -495129.7	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=24 5; LIFETIME-POS=L P3			1827 Secs (1827 Secs) [==>]	[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	3	FP-POS=2 (1529784)	(43) WD-J104019.50 -495129.7	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=26 3; LIFETIME-POS=L P3			1165 Secs (1165 Secs) [==>]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	4	FP-POS=3 (1529784)	(43) WD-J104019.50 -495129.7	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=26 3; LIFETIME-POS=L P3			1165 Secs (1165 Secs) [==>]	[2]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									
	5	FP-POS=4 (1529784)	(43) WD-J104019.50 -495129.7	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=26 1; LIFETIME-POS=L P3			2464 Secs (2464 Secs) [==>]	[3]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).									



Proposal 16659 - V-BF-ERI (61) - Accreting white dwarfs as probes of compact binary evolution

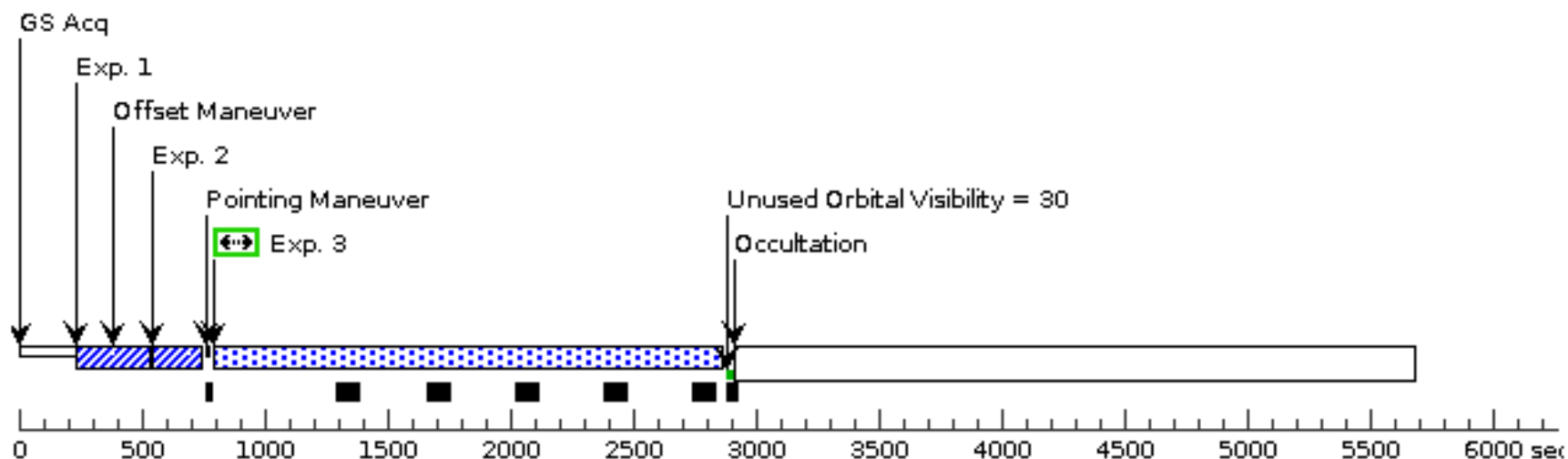
Visit	Proposal 16659, V-BF-ERI (61), completed Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 300D TO 150 D; BETWEEN 15-NOV-2024:00:00:00 AND 31-DEC-2024:00:00:00 Comments: This should be scheduled in the evening local time on a Thursday or Friday. Flags need to be cleared during the work day. Weekends and holidays are to be avoided since thCS ust clear the target within 24 hours of execution				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(11)	V-BF-ERI	RA: 04 39 29.9802 (69.8749175d) Dec: -04 36 0.58 (-4.60016d) Equinox: J2000	Proper Motion RA: 33.09549572963637 mas/yr Proper Motion Dec: -106.67252133954922 mas/yr Parallax: 0.0017604794228365602" Epoch of Position: 2016.0	V=15.2 Gaia EDR3 3201141899983079 296, G=14.4 parallax=1.76(3) mas.
Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO					

Proposal 16659 - V-BF-ERI (61) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1892952)	(11) V-BF-ERI	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4	USE OFFSET V61S AF		10 Secs (10 Secs) [==>]	[1]
	Comments: Computed assuming a WD spectrum with $T_{\text{eff}}=20000\text{K}$, scaled to $V=15$. Added few seconds to be conservative.									
	2	ACQ/PEAK D (1892952)	(11) V-BF-ERI	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4	USE OFFSET V61S AF		10 Secs (10 Secs) [==>]	[1]
	Comments: Computed assuming a WD spectrum with $T_{\text{eff}}=20000\text{K}$, scaled to $V=15$. Added few seconds to be conservative.									
	3	FP-POS=1 (1892953)	(11) V-BF-ERI	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=36 1; LIFETIME-POS=L P3	USE OFFSET V61S AF		1915 Secs (1915 Secs) [==>]	[1]
	4	FP-POS=2 (1892953)	(11) V-BF-ERI	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=35 2; LIFETIME-POS=L P3	USE OFFSET V61S AF		1168 Secs (1168 Secs) [==>]	[2]
	5	FP-POS=3 (1892953)	(11) V-BF-ERI	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=35 2; LIFETIME-POS=L P3	USE OFFSET V61S AF		1165 Secs (1165 Secs) [==>]	[2]
	6	FP-POS=4 (1892953)	(11) V-BF-ERI	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=39 1; LIFETIME-POS=L P3	USE OFFSET V61S AF		2457 Secs (2457 Secs) [==>]	[3]

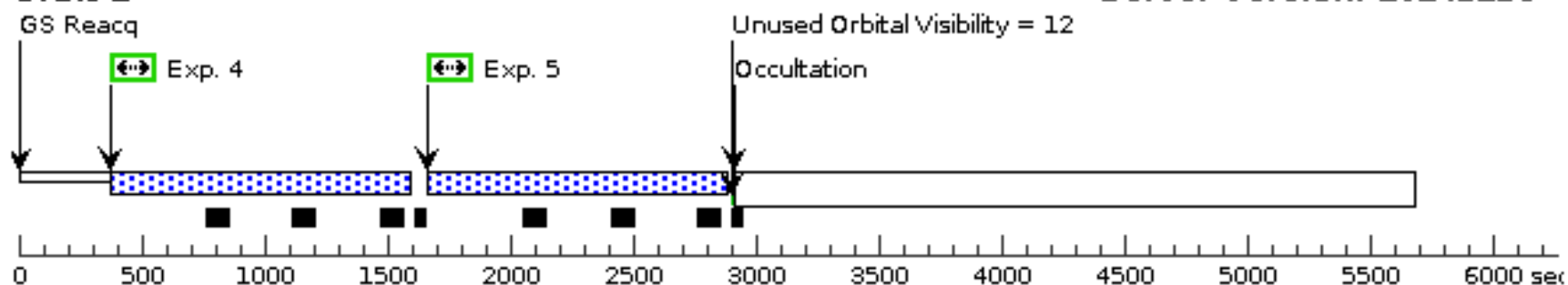
Orbit 1

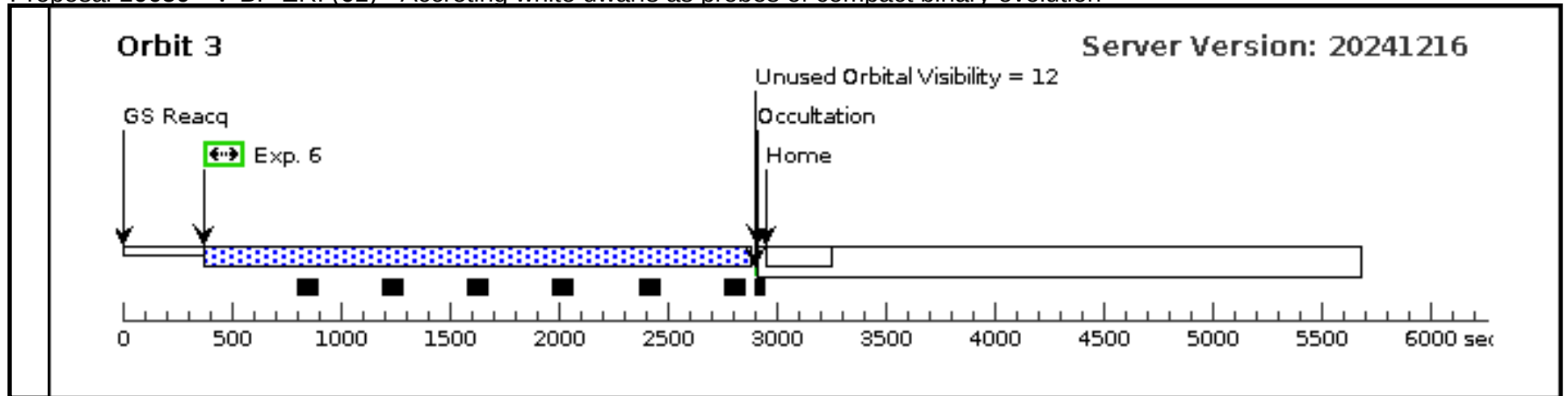
Server Version: 20241216



Orbit 2

Server Version: 20241216





Proposal 16659 - S/C visit for visit 61 (6C) - Accreting white dwarfs as probes of compact binary evolution

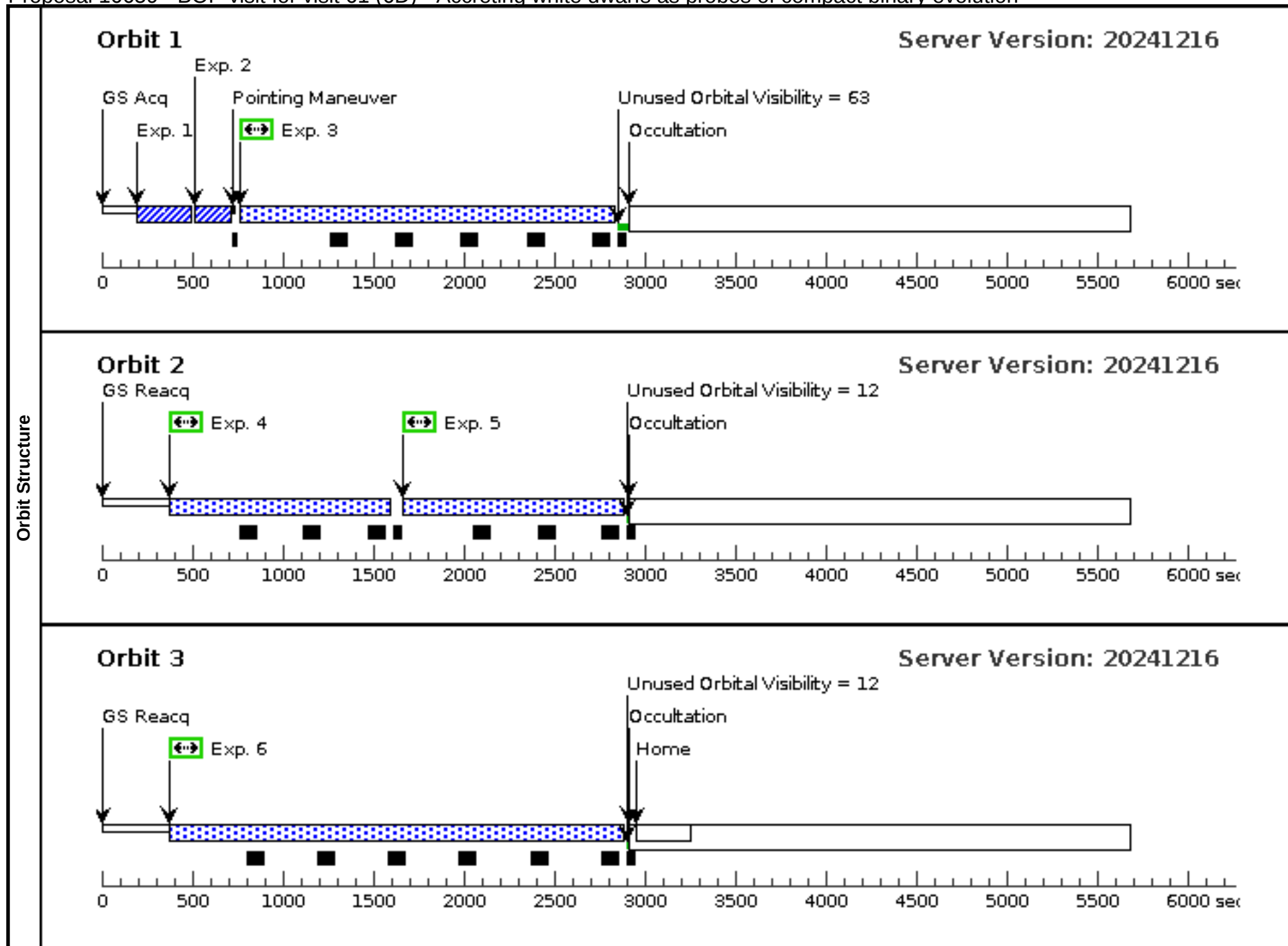
Visit	Proposal 16659, S/C visit for visit 61 (6C), completed					Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: S/C Special Requirements: SCHED 100%; ORIENT 300D TO 150 D Comments: This visit allocates and sets up the safe position offset slot for visit 61 which will use that slot. This S/C visit should go 3-5 days before visit 61. The S/C visit will cotain only 1 exposure									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	V-BF-ERI	RA: 04 39 29.9802 (69.8749175d) Dec: -04 36 0.58 (-4.60016d) Equinox: J2000	Proper Motion RA: 33.09549572963637 mas/yr Proper Motion Dec: -106.67252133954922 mas/yr Parallax: 0.0017604794228365602" Epoch of Position: 2016.0	V=15.2 Gaia EDR3 3201141899983079 296, G=14.4 parallax=1.76(3) mas.	Reference Frame: ICRS				
Comments: Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) V-BF-ERI	S/C, DATA, V1			POS TARG 229.132 8,-241.0575; SAVE OFFSET V61 SAF; SPEC COM INSTR ECSLOTSET; QESIPARM ANGL E 76.5; QESIPARM DIST 9.79		310 Secs (310 Secs) [==>]	[1]
Orbit Structure	Orbit 1									
	Server Version: 20241216									

Proposal 16659 - BOP visit for visit 61 (6D) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, BOP visit for visit 61 (6D), withdrawn Fri Apr 04 16:01:43 GMT 2025				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: SCHED 100%; ORIENT 300D TO 150 D; BETWEEN 15-NOV-2024:00:00:00 AND 31-DEC-2024:00:00:00 <i>Comments: This visit is for BOP checking the safe target only and hsoul not execute onbaord HST</i>				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(11)	V-BF-ERI	RA: 04 39 29.9802 (69.8749175d) Dec: -04 36 0.58 (-4.60016d) Equinox: J2000	Proper Motion RA: 33.09549572963637 mas/yr Proper Motion Dec: -106.67252133954922 mas/yr Parallax: 0.0017604794228365602" Epoch of Position: 2016.0	V=15.2 Gaia EDR3 3201141899983079 296, G=14.4 parallax=1.76(3) mas.
Fixed Targets	<i>Comments:</i> Category=STAR Description=[ACCRETION DISK, DWARF NOVA, EMISSION LINE STAR, INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO				
	(107)	V-BF-ERI-SAFE-TARGET-2	Offset from V-BF-ERI RA Offset: 0.63 Secs Dec Offset: 2.285 Arcsec	V=15.2	Offset Position (V-BF-ERI-SAFE-TARGET-2)
Fixed Targets	<i>Comments: This target is a blank piece of sky which is the bright object safe pointing and is 9.79 arcseconds away at a PA 76.5 degrees from V-BF-ERI</i> Category=UNIDENTIFIED Description=[BLANK FIELD] Extended=NO				

Proposal 16659 - BOP visit for visit 61 (6D) - Accreting white dwarfs as probes of compact binary evolution

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/PEAK XD (1892952)	(107) V-BF-ERI-SA FE-TARGET-2	COS/FUV, ACQ/PEAKXD, PSA	G140L 1105 A	LIFETIME-POS=LP 4			10 Secs (10 Secs) [==>]	[1]
	Comments: Computed assuming a WD spectrum with Teff=20000K, scaled to V=15. Added few seconds to be conservative.									
	2	ACQ/PEAK D (1892952)	(107) V-BF-ERI-SA FE-TARGET-2	COS/FUV, ACQ/PEAKD, PSA	G140L 1105 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; LIFETIME-POS=L P4			10 Secs (10 Secs) [==>]	[1]
	Comments: Computed assuming a WD spectrum with Teff=20000K, scaled to V=15. Added few seconds to be conservative.									
	3	FP-POS=1 (1892953)	(107) V-BF-ERI-SA FE-TARGET-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=1; BUFFER-TIME=36 1; LIFETIME-POS=L P3			1915 Secs (1915 Secs) [==>]	[1]
	4	FP-POS=2 (1892953)	(107) V-BF-ERI-SA FE-TARGET-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=2; BUFFER-TIME=35 2; LIFETIME-POS=L P3			1168 Secs (1168 Secs) [==>]	[2]
	5	FP-POS=3 (1892953)	(107) V-BF-ERI-SA FE-TARGET-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=3; BUFFER-TIME=35 2; LIFETIME-POS=L P3			1165 Secs (1165 Secs) [==>]	[2]
	6	FP-POS=4 (1892953)	(107) V-BF-ERI-SA FE-TARGET-2	COS/FUV, TIME-TAG, PSA	G140L 800 A	FLASH=YES; FP-POS=4; BUFFER-TIME=39 1; LIFETIME-POS=L P3			2457 Secs (2457 Secs) [==>]	[3]



Proposal 16659 - V-HP-LIB (82) - Accreting white dwarfs as probes of compact binary evolution

Visit	Proposal 16659, V-HP-LIB (82), completed										Fri Apr 04 16:01:43 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
	Special Requirements: SCHED 100%; BETWEEN 14-FEB-2025:00:00:00 AND 30-JUN-2025:00:00:00										
Comments: This should be scheduled on a Thursday or Friday evening local time. Flags need to be cleared during the work day. Weekends are to be avoided since the CS must clear the target within 24 hours of HST execution.											
Diagnostics	(V-HP-LIB (82)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(V-HP-LIB (82)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(32)	V-HP-LIB	RA: 15 35 53.0400 (233.9710000d) Dec: -14 13 12.42 (-14.22012d) Equinox: J2000		Proper Motion RA: -28.619027102541217 mas/yr Proper Motion Dec: -12.814774532899097 mas/yr Parallax: 0.0035674330494912" Epoch of Position: 2016.0		V=13.62+/-0.03 FUV=13.6, NUV=13.6, Gaia EDR3 6265476408553544 320, G=13.6, parallax=3.57(3) mas.		Reference Frame: ICRS		
	Comments: Category=STAR Description=[INTERACTING BINARY, IRREGULAR VARIABLE] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ (1529788)	(32) V-HP-LIB	STIS/CCD, ACQ, F28X50LP	MIRROR				3 Secs (3 Secs)		
									[==>]		[1]
	2	(1529801)	(32) V-HP-LIB	STIS/FUV-MAMA, TIME-TAG, 0.2X0.2	E140M 1425 A	BUFFER-TIME=17 0			2041 Secs (2041 Secs)		
									[==>]		[1]
	Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).										
	3	(1529801)	(32) V-HP-LIB	STIS/FUV-MAMA, TIME-TAG, 0.2X0.2	E140M 1425 A	BUFFER-TIME=17 0			2505 Secs (2505 Secs)		
									[==>]		[2]
Comments: Buffer-time set conservatively short in case the system is brighter (which will still be safe, but the buffer would overflow if set to the appropriate value for the quiescent level).											

