17940 - COS FUV LP7 Calibration: Profiles, Traces, Sensitivities, Flat Fields, and Spatial Resolution

Cycle: 32, Proposal Category: CAL/COS

(Availability Mode: RESTRICTED)

INVESTIGATORS

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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:18.0	yes
51	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:19.0	yes
55	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:20.0	yes
02	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:21.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
52	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:21.0	yes
56	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:22.0	yes
03	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:22.0	yes
04	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:23.0	yes
54	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:24.0	yes
57	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:25.0	yes
05	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:26.0	yes
06	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:27.0	yes
07	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:27.0	yes
08	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:28.0	yes
09	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:28.0	yes
10	(1) WD0308-565 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:29.0	yes
11	(1) WD0308-565 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:29.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
12	(1) WD0308-565 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:30.0	yes
13	(1) WD0308-565 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:31.0	yes
14	(1) WD0308-565 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:31.0	yes
15	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:32.0	yes
16	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:33.0	yes
17	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:33.0	yes
18	(1) WD0308-565 WAVE	COS/FUV COS/NUV	1	19-Sep-2025 10:00:33.0	yes
19	(1) WD0308-565 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:34.0	yes
20	(1) WD0308-565 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:35.0	yes
21	(1) WD0308-565 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:35.0	yes
22	(1) WD0308-565 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:36.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
23	(1) WD0308-565 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:36.0	yes
24	(8) SK-69D83 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:37.0	yes
25	(8) SK-69D83 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:38.0	yes
26	(8) SK-69D83 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:38.0	yes
27	(8) SK-69D83 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:39.0	yes
58	(8) SK-69D83 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:40.0	yes
59	(8) SK-69D83 DARK WAVE	COS/FUV COS/NUV S/C	1	19-Sep-2025 10:00:40.0	yes

35 Total Orbits Used

ABSTRACT

This program obtains observations of spectrophotometric calibrator white dwarf standard star WD0308-565 and O supergiant SK-69D83 for the COS cenwaves moving to LP7 (G130M: 1222, 1291, 1055, and 1096). The data will be used to determine the 2D cross-dispersion spectral profiles and traces required to perform two-zone extraction, as well as the sensitivities and flat-fields for accurate flux calibration. WD0308-565 is the primary target for this program due to its status as a flux standard and TDS target. SK-69D83 is used to more efficiently calibrate Segment B for cenwaves 1055 and 1096 (the blue-modes).

The main requirement for this program is to achieve S/N of about 50 per resel, which is driven by the requirement for obtaining profiles that are sufficiently accurate that the contours can be located such that the enclosed flux errors are less than 1%. Visits are restricted to single orbits to mitigate the impacts of failed observations, and to increase flexibility in scheduling.

OBSERVING DESCRIPTION

This program contains 27 visits, each using one orbit.

For LP7, SPLIT wavecals occur (like in LP6). However, as this version of APT (2025.3.3) does not yet have these by default for LP7, we have inserted GO wavecals before and after each PSA exposure, and specify the optional parameters FLASH = NO and WAVECAL = NO so that a flash does not occur and an auto wavecal (A-WAVE) is not inserted. The aperture block should move to the SPLIT wavecal location when doing the GO wavecals at LP7.

The LP7 focus, and aperture block positions must be patched to use the values determined in the LP7 Enabling Phase.

The large orbit count for the LP7 observations is driven by the flux calibration and trace measurements of cenwaves 1055 and 1096, which require long exposures to achieve S/N goals on FUVB. To measure traces for the blue modes on FUVB, we include observations of O supergiant SK-69D83. This is a target that has been observed by COS before, and is a much more schedulable target than GD-71, which has historically been the bright COS target to assist in such calibrations.

In general, we adopt ACQs and exposure times similar to previous calibration programs at other LPs (e.g., 16466 for WD0308-565 observations and 16825 for SK-69D83 observations). In order to allow more time at the beginning of the orbits for obtaining guide stars, we use double ACQs in all cases except in the visits where using single ACQs would reduce the overall orbit request for a particular cenwave.

Visits 14 and 23 use only one FP-POS to maximize the number of counts obtained in the total 5 orbits for each of cenwave 1055 and 1096 segment FUVB observations where the throughput is low.

Visit

Proposal 17940, 1291 FUVA (01), failed

Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: GROUP 01,02,03 WITHIN 14D

Fixed Targets

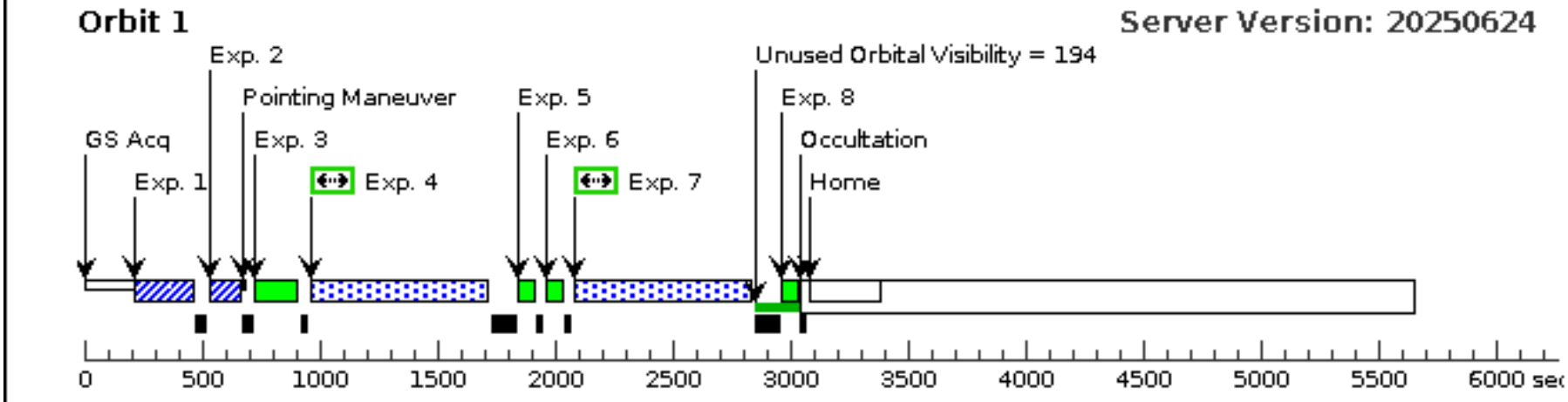
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d)	Proper Motion RA: 0.018141 sec of time/yr	V=14.07+/-0.02	Reference Frame: ICRS
		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	ACQ 2 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
3	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=1; SEGMENT=A; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 FUVA (01)	*[==>]*	***[1]***
4	1291 PSA (COS.sp.1981639)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=700; FP-POS=1; SEGMENT=A; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 3-5 Non-Int in 1291 FUVA (01)	700 Secs (700 Secs) *[==>]*	***[1]***
Comments: ETC gives buffer fill time of FUVA of 1,127s. Set BUFFER-TIME equal to exposure time.									
5	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=1; SEGMENT=A; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 FUVA (01)	*[==>]*	***[1]***
6	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=2; SEGMENT=A; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1291 FUVA (01)	*[==>]*	***[1]***
7	1291 PSA (COS.sp.1981639)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=700; LIFETIME-POS=LP7; FP-POS=2; SEGMENT=A; FLASH=NO; WAVECAL=NO		Sequence 6-8 Non-Int in 1291 FUVA (01)	700 Secs (700 Secs) *[==>]*	***[1]***
8	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=2; SEGMENT=A; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1291 FUVA (01)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1291 FUVA (51), failed

Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: GROUP 51,03,52 WITHIN 21D

Comments: HOPR repeat of visit 01.

Fixed Targets

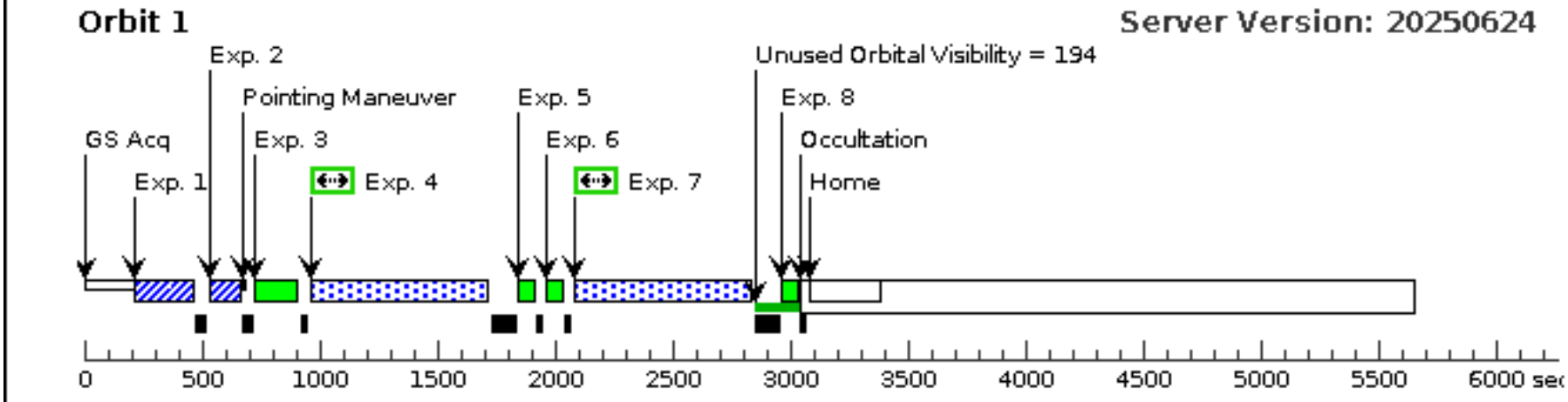
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d)	Proper Motion RA: 0.018141 sec of time/yr	V=14.07+/-0.02	Reference Frame: ICRS
		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	ACQ 2 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
3	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=1; SEGMENT=A; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 FUVA (51)	*[==>]*	***[1]***
4	1291 PSA (COS.sp.1981639)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=700; FP-POS=1; SEGMENT=A; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 3-5 Non-Int in 1291 FUVA (51)	700 Secs (700 Secs) *[==>]*	***[1]***
Comments: ETC gives buffer fill time of FUVA of 1,127s. Set BUFFER-TIME equal to exposure time.									
5	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=1; SEGMENT=A; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 FUVA (51)	*[==>]*	***[1]***
6	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=2; SEGMENT=A; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1291 FUVA (51)	*[==>]*	***[1]***
7	1291 PSA (COS.sp.1981639)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=700; LIFETIME-POS=LP7; FP-POS=2; SEGMENT=A; FLASH=NO; WAVECAL=NO		Sequence 6-8 Non-Int in 1291 FUVA (51)	700 Secs (700 Secs) *[==>]*	***[1]***
8	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=2; SEGMENT=A; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1291 FUVA (51)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1291 FUVA (55), completed

Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Comments: HOPR repeat of visit 51.

Fixed Targets

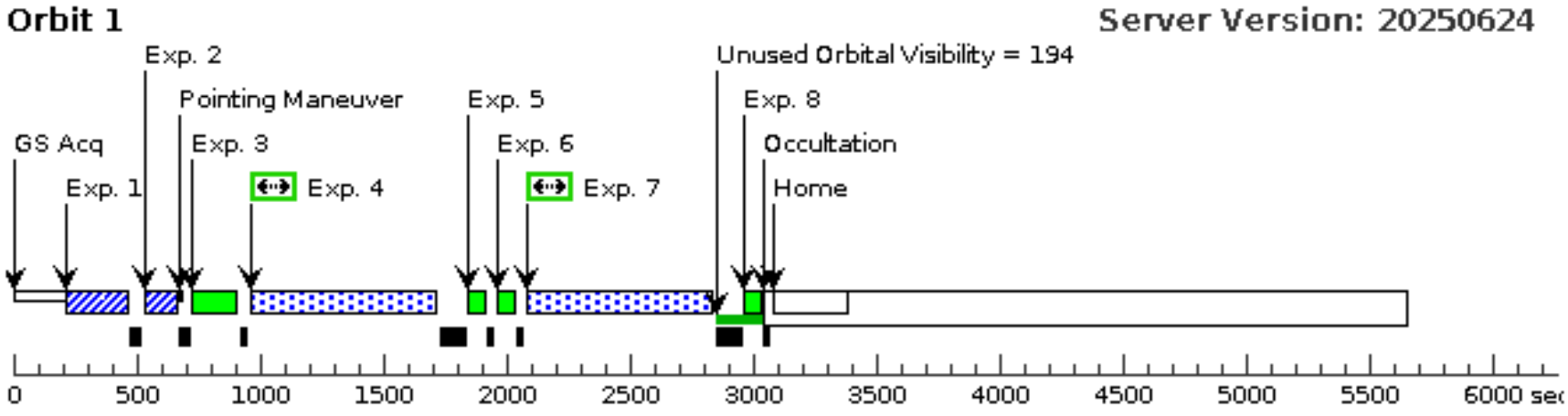
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d)	Proper Motion RA: 0.018141 sec of time/yr	V=14.07+/-0.02	Reference Frame: ICRS
		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA		GS ACQ SCENARIO BASE1OR		11 Secs (11 Secs) *[==>]*	***[1]***
2	ACQ 2 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
3	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=1; SEGMENT=A; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 FUVA (55)	*[==>]*	***[1]***
4	1291 PSA (COS.sp.1981639)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=700; FP-POS=1; SEGMENT=A; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 3-5 Non-Int in 1291 FUVA (55)	700 Secs (700 Secs) *[==>]*	***[1]***
Comments: ETC gives buffer fill time of FUVA of 1,127s. Set BUFFER-TIME equal to exposure time.									
5	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=1; SEGMENT=A; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 FUVA (55)	*[==>]*	***[1]***
6	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=2; SEGMENT=A; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1291 FUVA (55)	*[==>]*	***[1]***
7	1291 PSA (COS.sp.1981639)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=700; LIFETIME-POS=LP7; FP-POS=2; SEGMENT=A; FLASH=NO; WAVECAL=NO		Sequence 6-8 Non-Int in 1291 FUVA (55)	700 Secs (700 Secs) *[==>]*	***[1]***
8	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=2; SEGMENT=A; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1291 FUVA (55)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1291 BOTH FP-POS = 3 (02), failed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1291 BOTH FP-POS = 3 (02)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

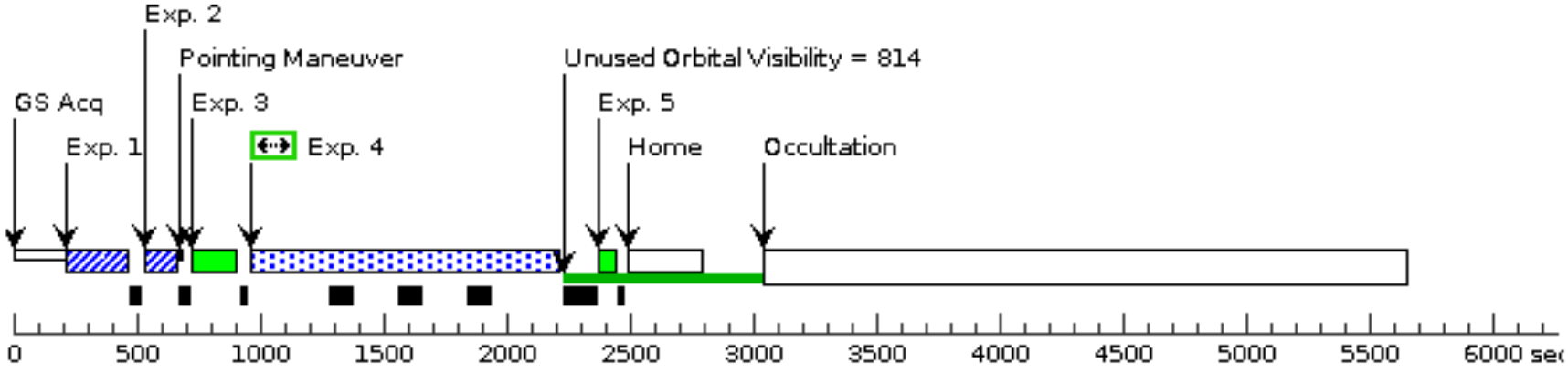
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	ACQ 2 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
3	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 BOTH FP-POS = 3 (02)	*[==>]*	***[1]***
4	1291 (COS.sp.1981639)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=282; FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 3-5 Non-Int in 1291 BOTH FP-POS = 3 (02)	1200 Secs (1200 Secs) *[==>]*	***[1]***
	*Comments: ETC gives buffer fill time of 424. Use 2/3*424 = 282 for Buffer time.*								
5	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 BOTH FP-POS = 3 (02)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1291 BOTH FP-POS = 3 (52), failed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Comments: HOPR repeat of visit 02.

Diagnostics

(1291 BOTH FP-POS = 3 (52)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

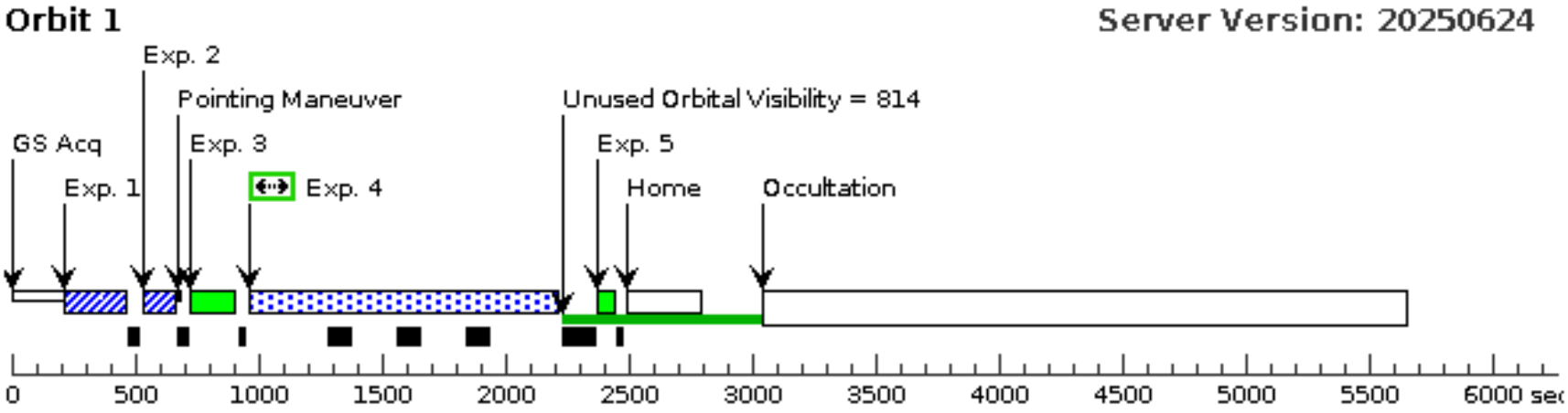
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	*[1]*
2	ACQ 2 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	*[1]*
3	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 BOTH FP-POS = 3 (52)	*[==>]*	*[1]*
4	1291 (COS.sp.1981639)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=282; FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 3-5 Non-Int in 1291 BOTH FP-POS = 3 (52)	1200 Secs (1200 Secs) *[==>]*	*[1]*
*Comments: ETC gives buffer fill time of 424. Use 2/3*424 = 282 for Buffer time.*									
5	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 BOTH FP-POS = 3 (52)	*[==>]*	*[1]*

Orbit Structure



Visit

Proposal 17940, 1291 BOTH FP-POS = 3 (56), completed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Comments: HOPR repeat of visit 52.

Diagnostics

(1291 BOTH FP-POS = 3 (56)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

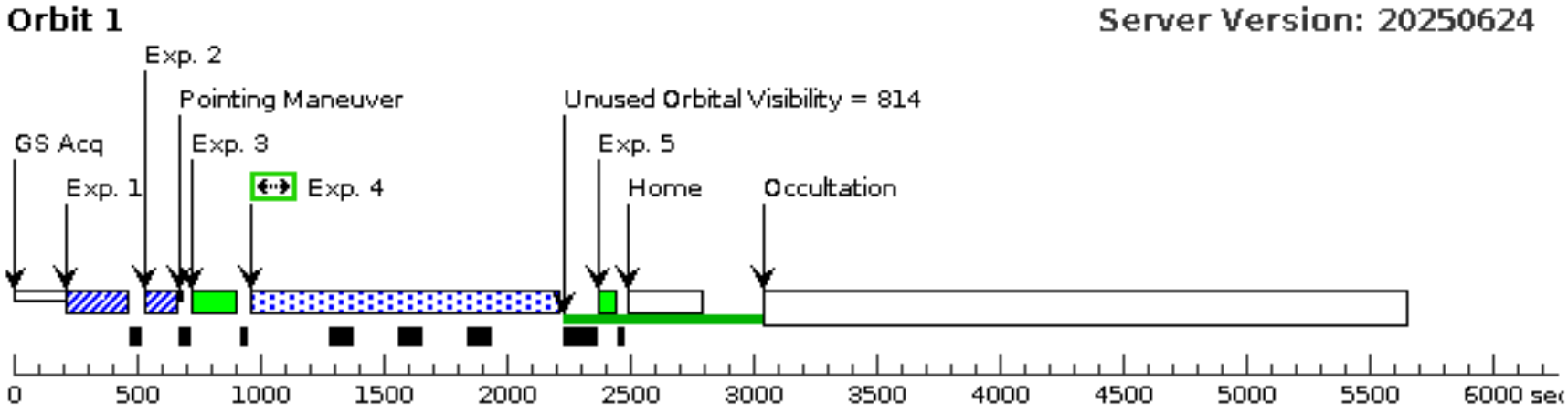
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA		GS ACQ SCENARIO BASE1OR		11 Secs (11 Secs) *[==>]*	***[1]***
2	ACQ 2 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
3	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 BOTH FP-POS = 3 (56)	*[==>]*	***[1]***
4	1291 (COS.sp.1981639)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=282; FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 3-5 Non-Int in 1291 BOTH FP-POS = 3 (56)	1200 Secs (1200 Secs) *[==>]*	***[1]***
	*Comments: ETC gives buffer fill time of 424. Use 2/3*424 = 282 for Buffer time.*								
5	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 BOTH FP-POS = 3 (56)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1291 BOTH FP-POS = 4 (03), completed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1291 BOTH FP-POS = 4 (03)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

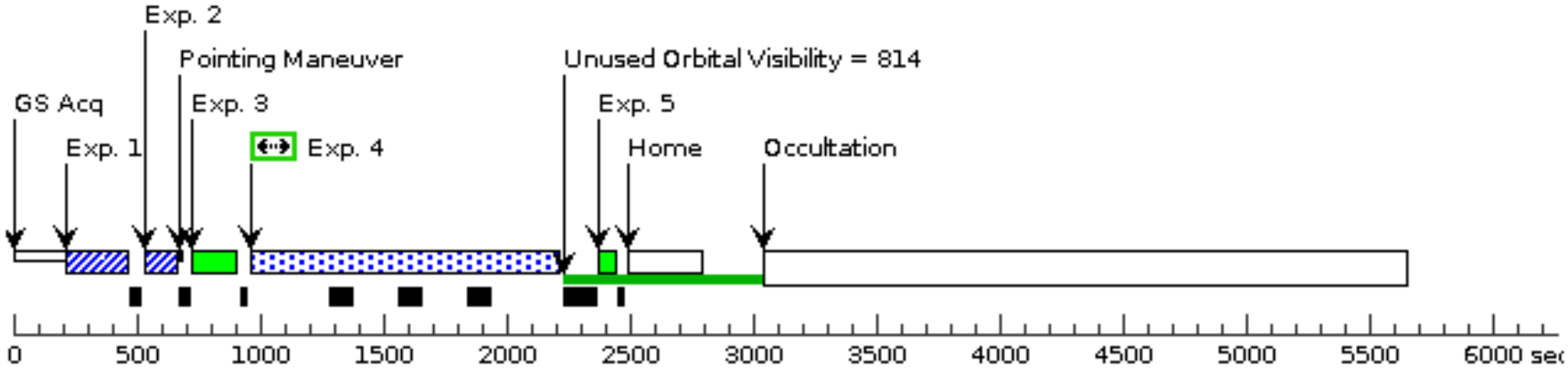
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	*[1]*
2	ACQ 2 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	*[1]*
3	1291 wave (COS.sp.1981639)	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=4; SEGMENT=BOTH; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 BOTH FP-POS = 4 (03)	*[==>]*	*[1]*
4	1291 (COS.sp.1981639)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2822; LIFETIME-POS=LP7; FP-POS=4; SEGMENT=BOTH; FLASH=NO; WAVECAL=NO		Sequence 3-5 Non-Int in 1291 BOTH FP-POS = 4 (03)	1200 Secs (1200 Secs) *[==>]*	*[1]*
5	1291 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=4; SEGMENT=BOTH; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1291 BOTH FP-POS = 4 (03)	*[==>]*	*[1]*

Orbit Structure



Visit

Proposal 17940, 1222 FP-POS=1+2 (04), failed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: GROUP 04,05 WITHIN 14D

Fixed Targets

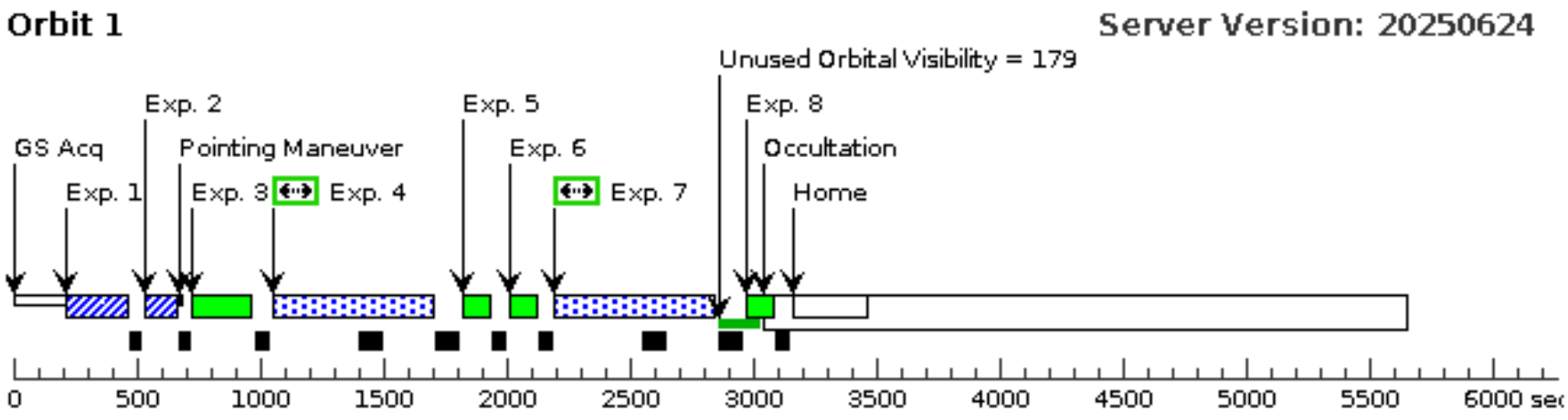
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d)	Proper Motion RA: 0.018141 sec of time/yr	V=14.07+/-0.02	Reference Frame: ICRS
		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	ACQ 2 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
3	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1222 FP-POS=1+2 (04)	*[==>]*	***[1]***
4	1222 (COS.sp.1981640)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=322; FP-POS=1; LIFETIME-POS=LP7; WAVECAL=NO; FLASH=NO		Sequence 3-5 Non-Int in 1222 FP-POS=1+2 (04)	600 Secs (600 Secs) *[==>]*	***[1]***
*Comments: ETC gives buffer fill time of 482. Use 2/3*482 = 322 for buffer time.*									
5	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1222 FP-POS=1+2 (04)	*[==>]*	***[1]***
6	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1222 FP-POS=1+2 (04)	*[==>]*	***[1]***
7	1222 (COS.sp.1981640)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=322; LIFETIME-POS=LP7; FP-POS=2; WAVECAL=NO; FLASH=NO		Sequence 6-8 Non-Int in 1222 FP-POS=1+2 (04)	600 Secs (600 Secs) *[==>]*	***[1]***
8	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1222 FP-POS=1+2 (04)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1222 FP-POS=1+2 (54), failed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: GROUP 54,05 WITHIN 21D

Comments: HOPR Repeat of visit 4.

Fixed Targets

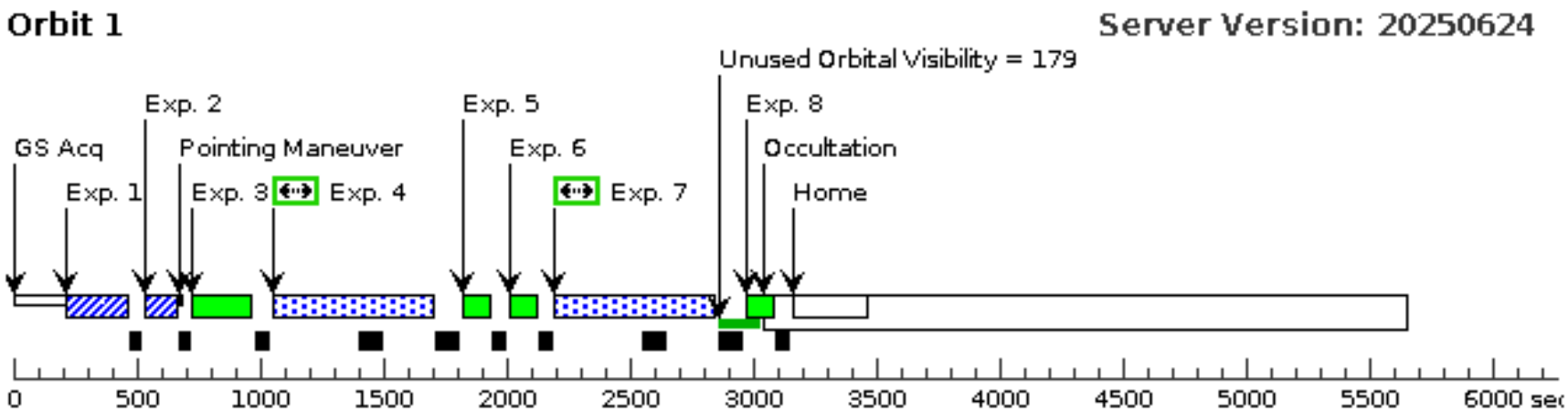
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	*[1]*
2	ACQ 2 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	*[1]*
3	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1222 FP-POS=1+2 (54)	*[==>]*	*[1]*
4	1222 (COS.sp.1981640)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=322; FP-POS=1; LIFETIME-POS=LP7; WAVECAL=NO; FLASH=NO		Sequence 3-5 Non-Int in 1222 FP-POS=1+2 (54)	600 Secs (600 Secs) *[==>]*	*[1]*
*Comments: ETC gives buffer fill time of 482. Use 2/3*482 = 322 for buffer time.*									
5	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1222 FP-POS=1+2 (54)	*[==>]*	*[1]*
6	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1222 FP-POS=1+2 (54)	*[==>]*	*[1]*
7	1222 (COS.sp.1981640)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=322; LIFETIME-POS=LP7; FP-POS=2; WAVECAL=NO; FLASH=NO		Sequence 6-8 Non-Int in 1222 FP-POS=1+2 (54)	600 Secs (600 Secs) *[==>]*	*[1]*
8	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1222 FP-POS=1+2 (54)	*[==>]*	*[1]*

Orbit Structure



Visit

Proposal 17940, 1222 FP-POS=1+2 (57), completed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Comments: HOPR Repeat of visit 54.

Fixed Targets

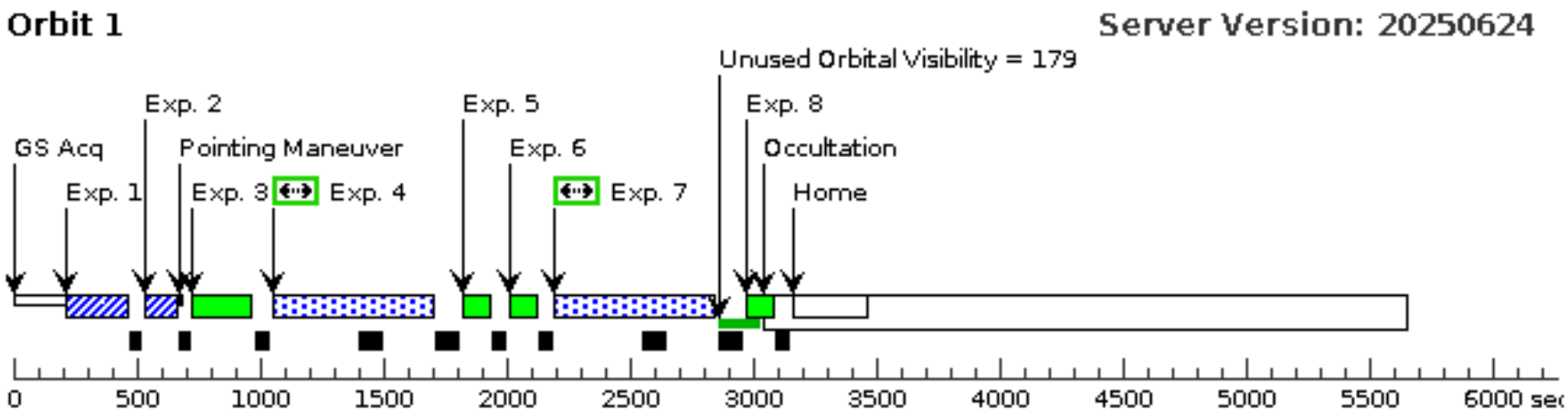
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA		GS ACQ SCENARIO BASE1OR		11 Secs (11 Secs) *[==>]*	***[1]***
2	ACQ 2 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
3	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1222 FP-POS=1+2 (57)	*[==>]*	***[1]***
4	1222 (COS.sp.1981640)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=322; FP-POS=1; LIFETIME-POS=LP7; WAVECAL=NO; FLASH=NO		Sequence 3-5 Non-Int in 1222 FP-POS=1+2 (57)	600 Secs (600 Secs) *[==>]*	***[1]***
	*Comments: ETC gives buffer fill time of 482. Use 2/3*482 = 322 for buffer time.*								
5	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1222 FP-POS=1+2 (57)	*[==>]*	***[1]***
6	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1222 FP-POS=1+2 (57)	*[==>]*	***[1]***
7	1222 (COS.sp.1981640)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=322; LIFETIME-POS=LP7; FP-POS=2; WAVECAL=NO; FLASH=NO		Sequence 6-8 Non-Int in 1222 FP-POS=1+2 (57)	600 Secs (600 Secs) *[==>]*	***[1]***
8	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1222 FP-POS=1+2 (57)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1222 FP-POS=3+4 (05), completed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Fixed Targets

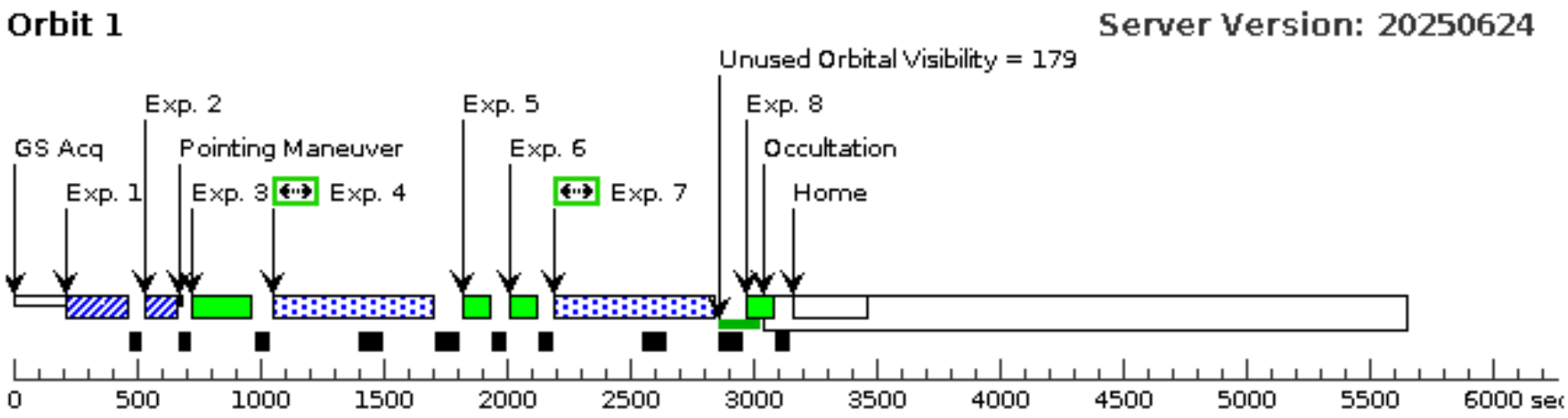
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d)	Proper Motion RA: 0.018141 sec of time/yr	V=14.07+/-0.02	Reference Frame: ICRS
		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	ACQ 2 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
3	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=3; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1222 FP-POS=3+4 (05)	*[==>]*	***[1]***
4	1222 (COS.sp.1981640)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=322; FP-POS=3; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 3-5 Non-Int in 1222 FP-POS=3+4 (05)	600 Secs (600 Secs) *[==>]*	***[1]***
5	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=3; LIFETIME-POS=LP7		Sequence 3-5 Non-Int in 1222 FP-POS=3+4 (05)	*[==>]*	***[1]***
6	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1222 FP-POS=3+4 (05)	*[==>]*	***[1]***
7	1222 (COS.sp.1981640)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=322; LIFETIME-POS=LP7; FP-POS=4; FLASH=NO; WAVECAL=NO		Sequence 6-8 Non-Int in 1222 FP-POS=3+4 (05)	600 Secs (600 Secs) *[==>]*	***[1]***
8	1222 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1222 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 6-8 Non-Int in 1222 FP-POS=3+4 (05)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 1 (06), completed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: GROUP 06,07,08,09,10,11,12,13,14 WITHIN 28D

Diagnostics

(1096 FP-POS = 1 (06)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

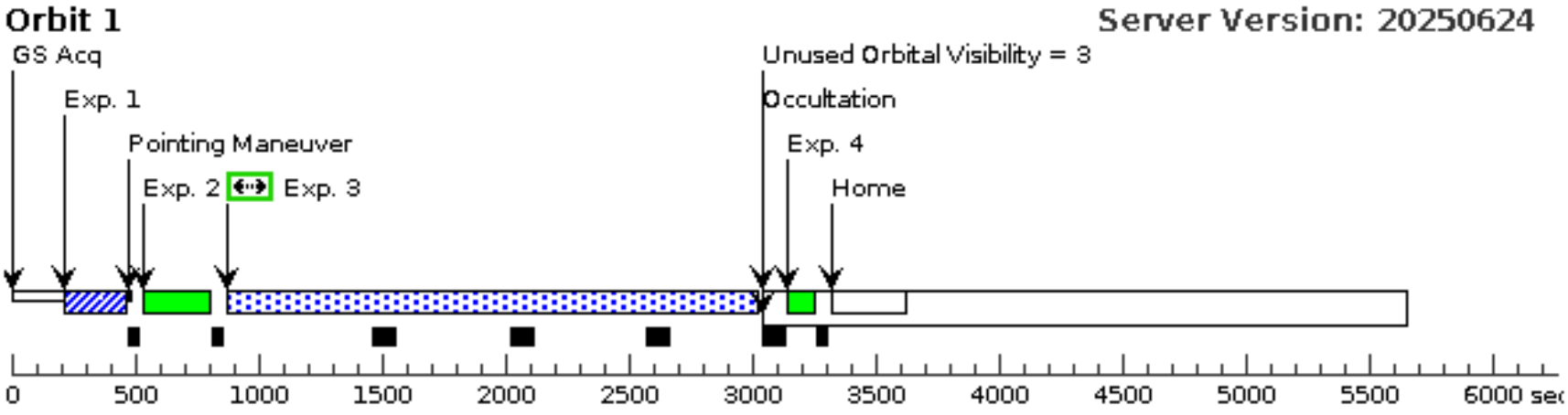
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1096 FP-POS = 1 (06)	*[==>]*	***[1]***
3	1096 PSA (COS.sp.1981641)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=554; FP-POS=1; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 2-4 Non-Int in 1096 FP-POS = 1 (06)	2100 Secs (2100 Secs) *[==>]*	***[1]***
	*Comments: ETC has buffer fill time of 830s. Use buffer time of 2/3*830s = 554s.*								
4	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1096 FP-POS = 1 (06)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 2 (07), completed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1096 FP-POS = 2 (07)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

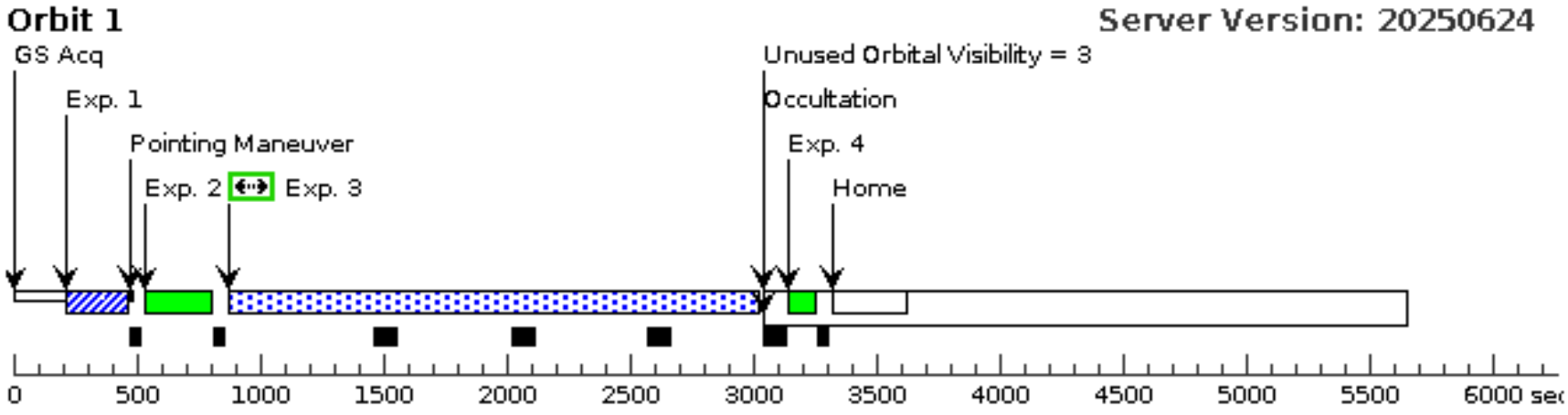
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d)	Proper Motion RA: 0.018141 sec of time/yr	V=14.07+/-0.02	Reference Frame: ICRS
		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1096 FP-POS = 2 (07)	*[==>]*	***[1]***
3	1096 PSA (COS.sp.1981641)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=5554; FP-POS=2; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 2-4 Non-Int in 1096 FP-POS = 2 (07)	2100 Secs (2100 Secs) *[==>]*	***[1]***
4	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1096 FP-POS = 2 (07)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 3 (08), completed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1096 FP-POS = 3 (08)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

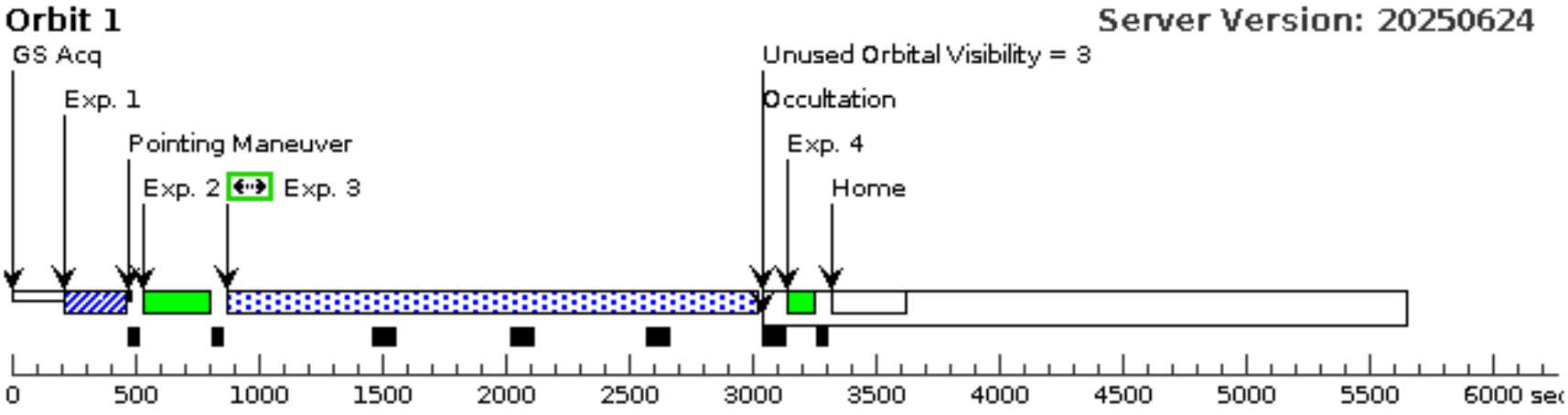
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d)	Proper Motion RA: 0.018141 sec of time/yr	V=14.07+/-0.02	Reference Frame: ICRS
		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1096 FP-POS = 3 (08)	*[==>]*	***[1]***
3	1096 PSA (COS.sp.1981641)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=5554; FP-POS=3; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 2-4 Non-Int in 1096 FP-POS = 3 (08)	2100 Secs (2100 Secs) *[==>]*	***[1]***
4	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1096 FP-POS = 3 (08)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 4 (09), completed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1096 FP-POS = 4 (09)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

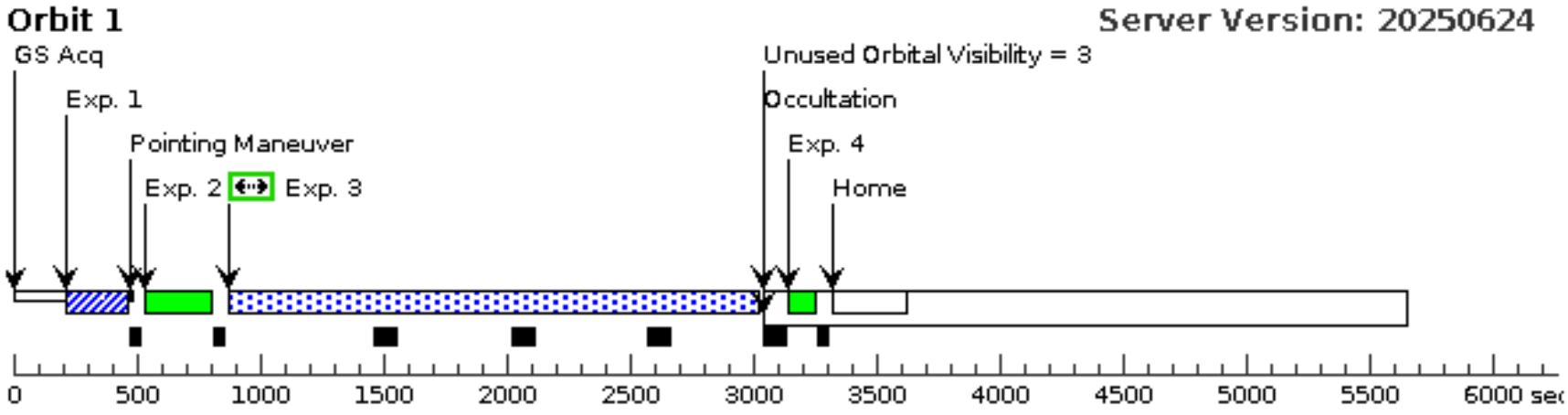
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d)	Proper Motion RA: 0.018141 sec of time/yr	V=14.07+/-0.02	Reference Frame: ICRS
		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1096 FP-POS = 4 (09)	*[==>]*	***[1]***
3	1096 PSA (COS.sp.1981641)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=5554; FP-POS=4; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 2-4 Non-Int in 1096 FP-POS = 4 (09)	2100 Secs (2100 Secs) *[==>]*	***[1]***
4	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1096 FP-POS = 4 (09)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 1 FUVB (10), completed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1096 FP-POS = 1 FUVB (10)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

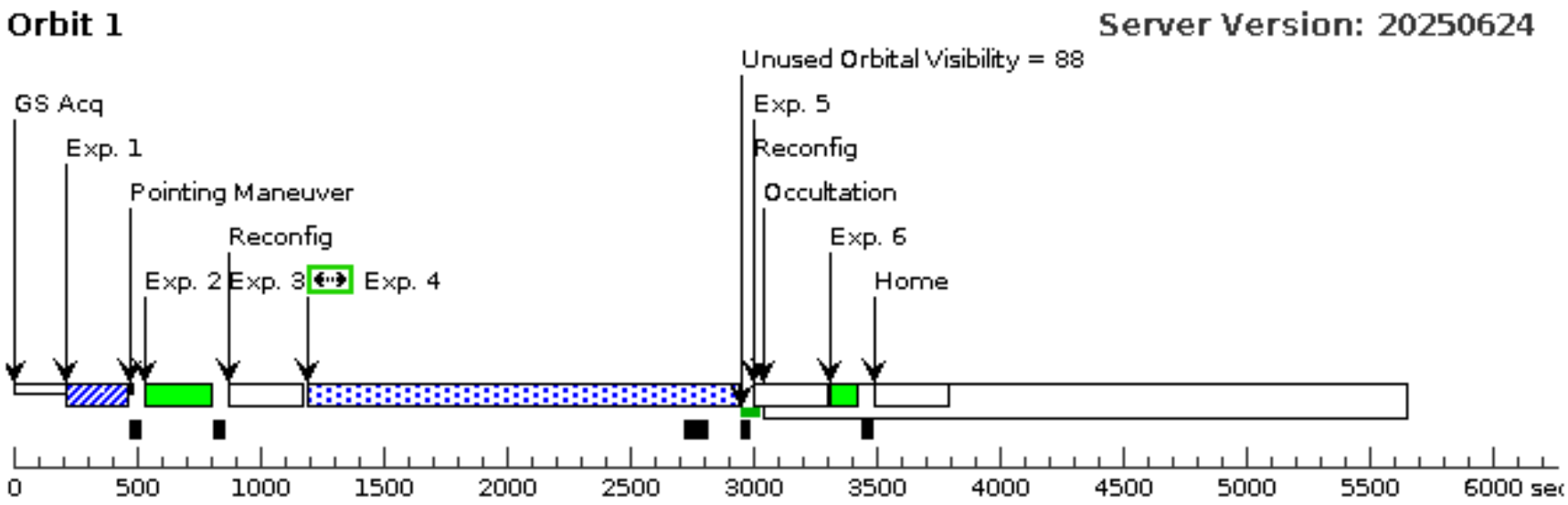
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	*[1]*
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB (10)	*[==>]*	*[1]*
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB (10)	1 Secs (1 Secs) *[==>]*	*[1]*
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
4	1096 PSA (COS.sp.1981641)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=1500; FP-POS=1; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB (10)	1700 Secs (1700 Secs) *[==>]*	*[1]*
	Comments: ETC says buffer fill time is ~18,000s for FUVB. Just use exposure time as buffer time.								
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB (10)	1 Secs (1 Secs) *[==>]*	*[1]*
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
6	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB (10)	*[==>]*	*[1]*

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 2 FUVB (11), completed Fri Sep 19 14:00:41 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1096 FP-POS = 2 FUVB (11)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

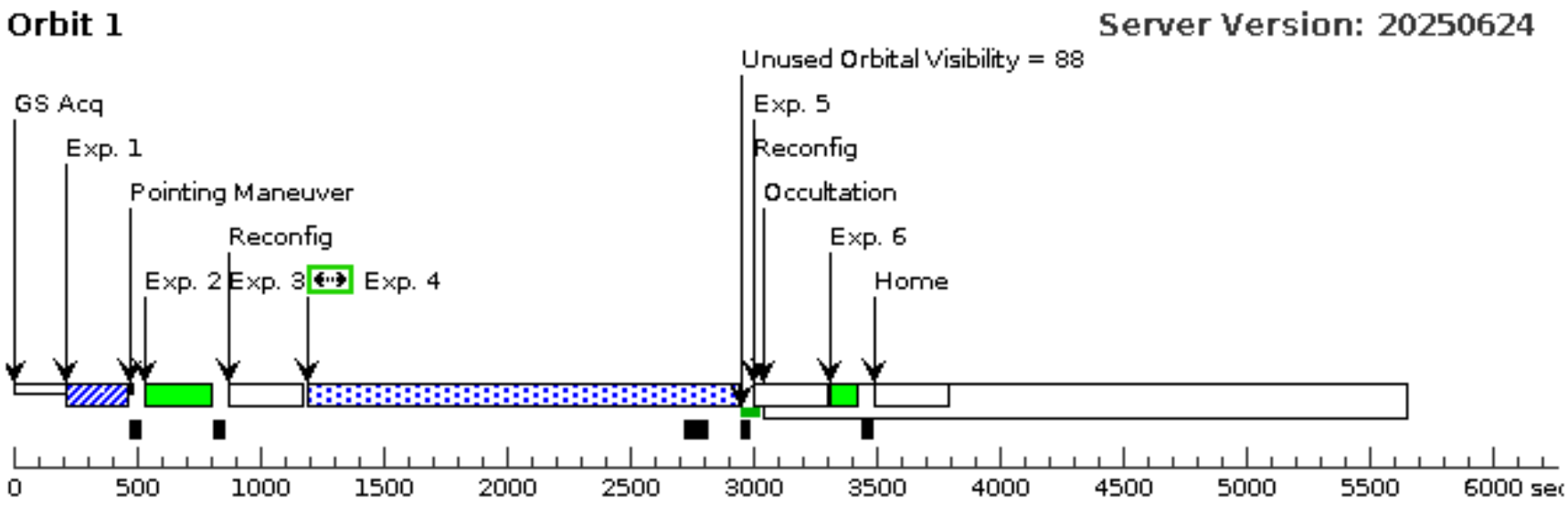
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 2 FUVB (11)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 2 FUVB (11)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
4	1096 PSA (COS.sp.1981641)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=1500; FP-POS=2; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1096 FP-POS = 2 FUVB (11)	1700 Secs (1700 Secs) *[==>]*	***[1]***
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 2 FUVB (11)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
6	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 2 FUVB (11)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 3 FUVB (12), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1096 FP-POS = 3 FUVB (12)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

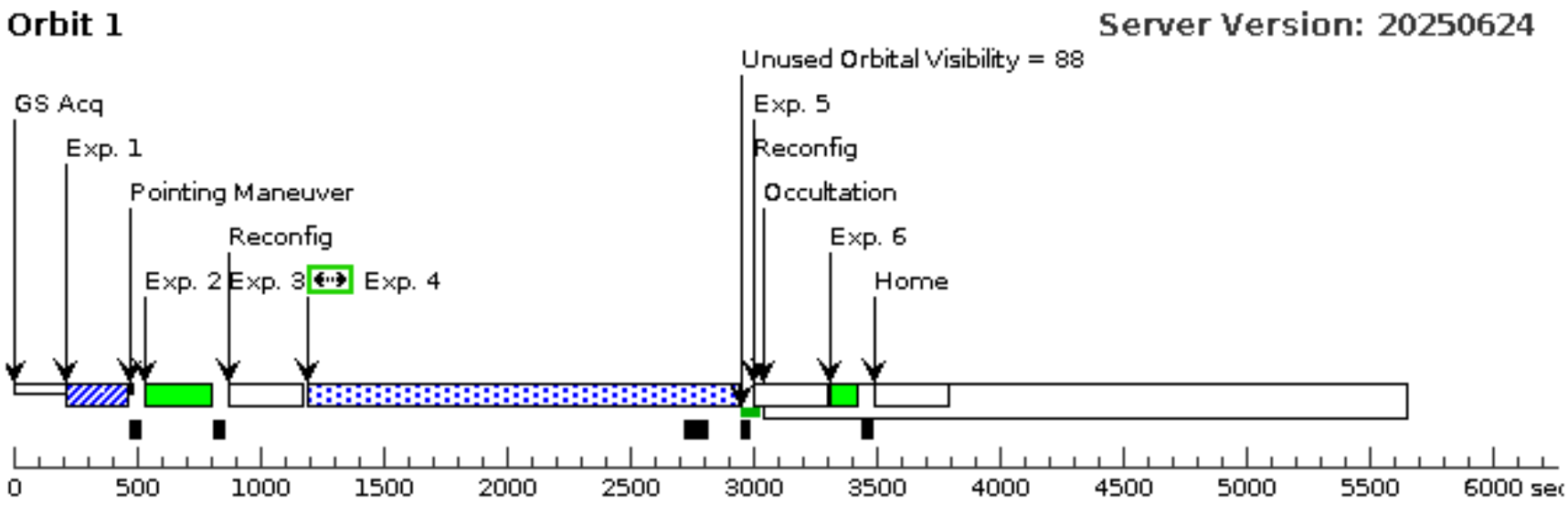
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 3 FUVB (12)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 3 FUVB (12)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
4	1096 PSA (COS.sp.1981641)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=1500; FP-POS=3; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1096 FP-POS = 3 FUVB (12)	1700 Secs (1700 Secs) *[==>]*	***[1]***
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 3 FUVB (12)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
6	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 3 FUVB (12)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 4 FUVB (13), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1096 FP-POS = 4 FUVB (13)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

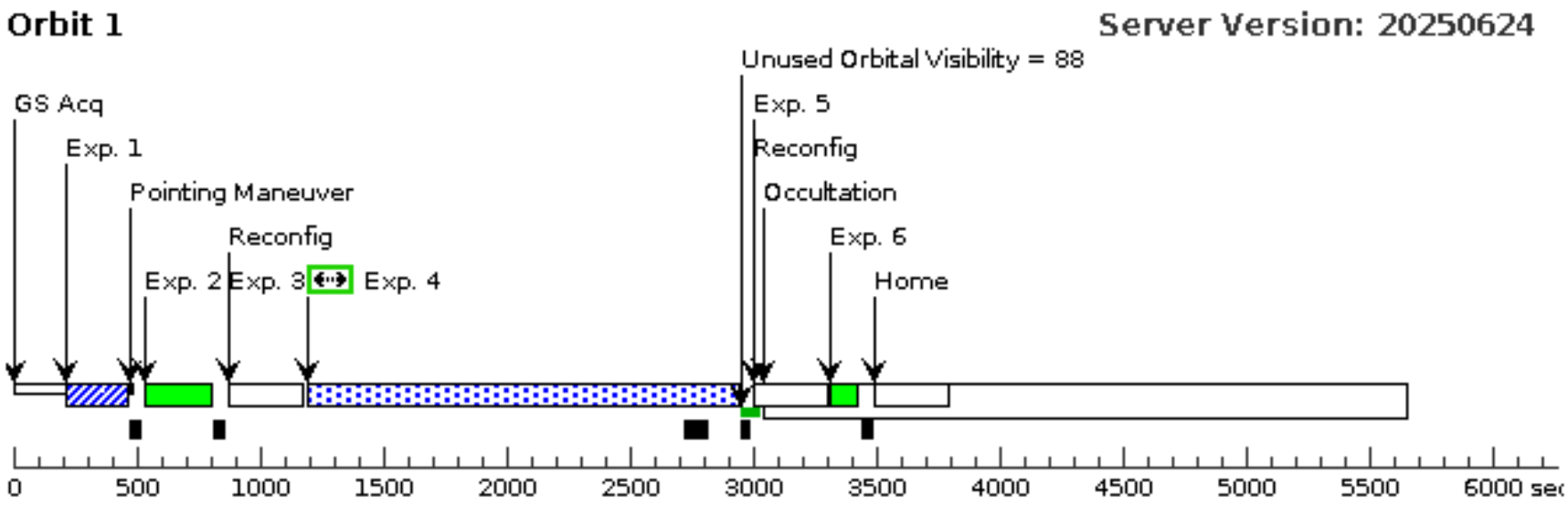
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB (13)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB (13)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
4	1096 PSA (COS.sp.1981641)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=1500; FP-POS=4; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB (13)	1700 Secs (1700 Secs) *[==>]*	***[1]***
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB (13)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
6	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB (13)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 1 FUVB (14), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1096 FP-POS = 1 FUVB (14)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

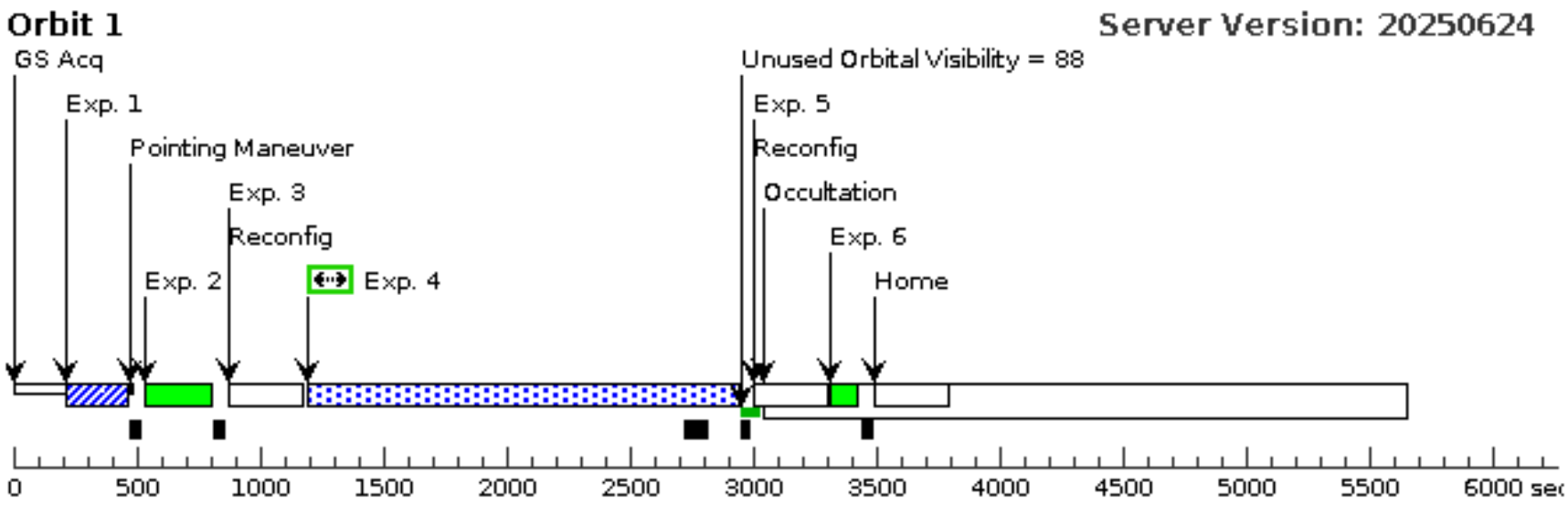
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB (14)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB (14)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
4	1096 PSA (COS.sp.1981641)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=1500; FP-POS=1; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB (14)	1700 Secs (1700 Secs) *[==>]*	***[1]***
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB (14)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
6	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB (14)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1055 FP-POS = 1 (15), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: GROUP 15,16,17,18,19,20,21,22,23 WITHIN 28D

Diagnostics

(1055 FP-POS = 1 (15)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

(1055 FP-POS = 1 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

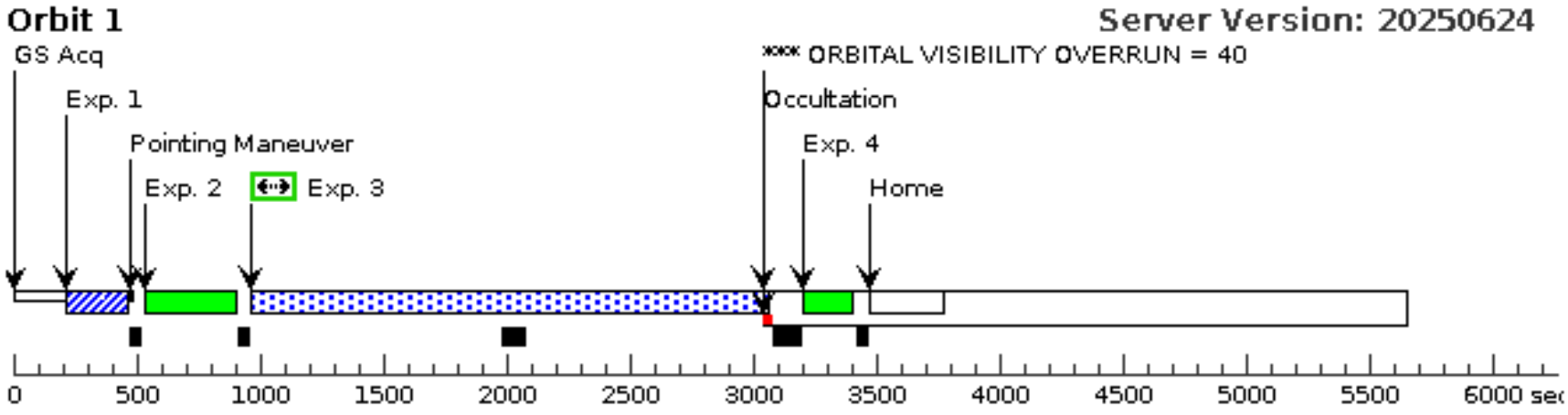
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	*[1]*
2	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1055 FP-POS = 1 (15)	*[==>]*	*[1]*
3	1055 PSA (COS.sp.1981642)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=980; FP-POS=1; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 2-4 Non-Int in 1055 FP-POS = 1 (15)	2050 Secs (2050 Secs) *[==>]*	*[1]*
*Comments: ETC gives buffer fill time of 1416s for both segments and 20,000 segments for FUVB, so use 2/3*1416 = 980 for both segments and exposure time for FUVB.*									
4	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1055 FP-POS = 1 (15)	*[==>]*	*[1]*

Orbit Structure



Visit

Proposal 17940, 1055 FP-POS = 2 (16), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1055 FP-POS = 2 (16)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

(1055 FP-POS = 2 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

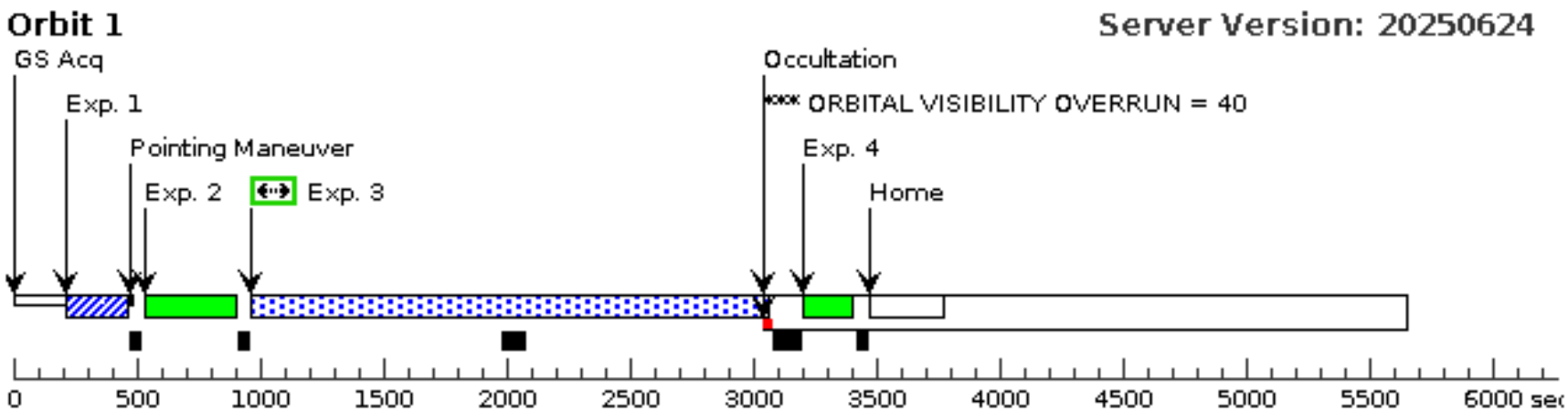
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1055 FP-POS = 2 (16)	*[==>]*	***[1]***
3	1055 PSA (COS.sp.1981642)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=9800; FP-POS=2; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 2-4 Non-Int in 1055 FP-POS = 2 (16)	2050 Secs (2050 Secs) *[==>]*	***[1]***
4	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1055 FP-POS = 2 (16)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1055 FP-POS = 3 (17), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1055 FP-POS = 3 (17)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

(1055 FP-POS = 3 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

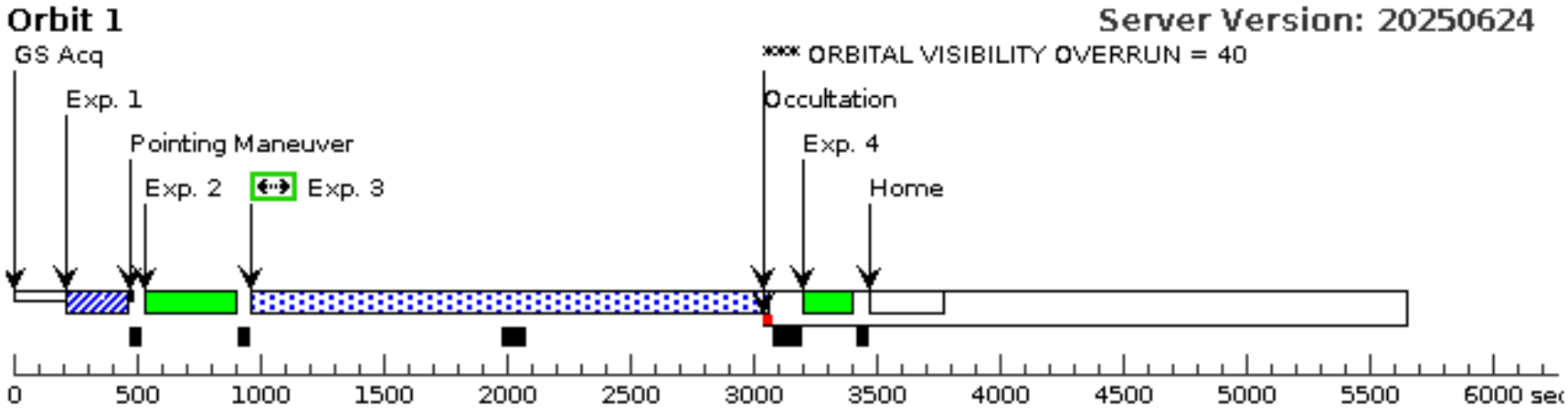
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=3; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1055 FP-POS = 3 (17)	*[==>]*	***[1]***
3	1055 PSA (COS.sp.1981642)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=9800; FP-POS=3; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 2-4 Non-Int in 1055 FP-POS = 3 (17)	2050 Secs (2050 Secs) *[==>]*	***[1]***
4	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=3; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1055 FP-POS = 3 (17)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1055 FP-POS = 4 (18), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1055 FP-POS = 4 (18)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

(1055 FP-POS = 4 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

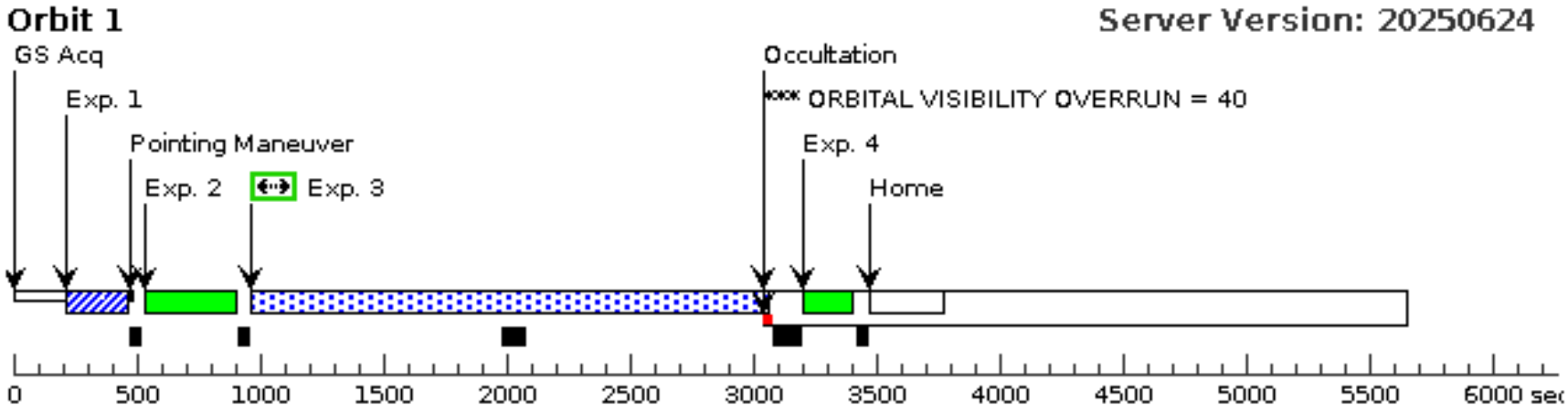
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d)	Proper Motion RA: 0.018141 sec of time/yr	V=14.07+/-0.02	Reference Frame: ICRS
		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1055 FP-POS = 4 (18)	*[==>]*	***[1]***
3	1055 PSA (COS.sp.1981642)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=9800; FP-POS=4; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO		Sequence 2-4 Non-Int in 1055 FP-POS = 4 (18)	2050 Secs (2050 Secs) *[==>]*	***[1]***
4	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-4 Non-Int in 1055 FP-POS = 4 (18)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1055 FP-POS = 1 FUVB (19), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1055 FP-POS = 1 FUVB (19)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

(1055 FP-POS = 1 FUVB (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

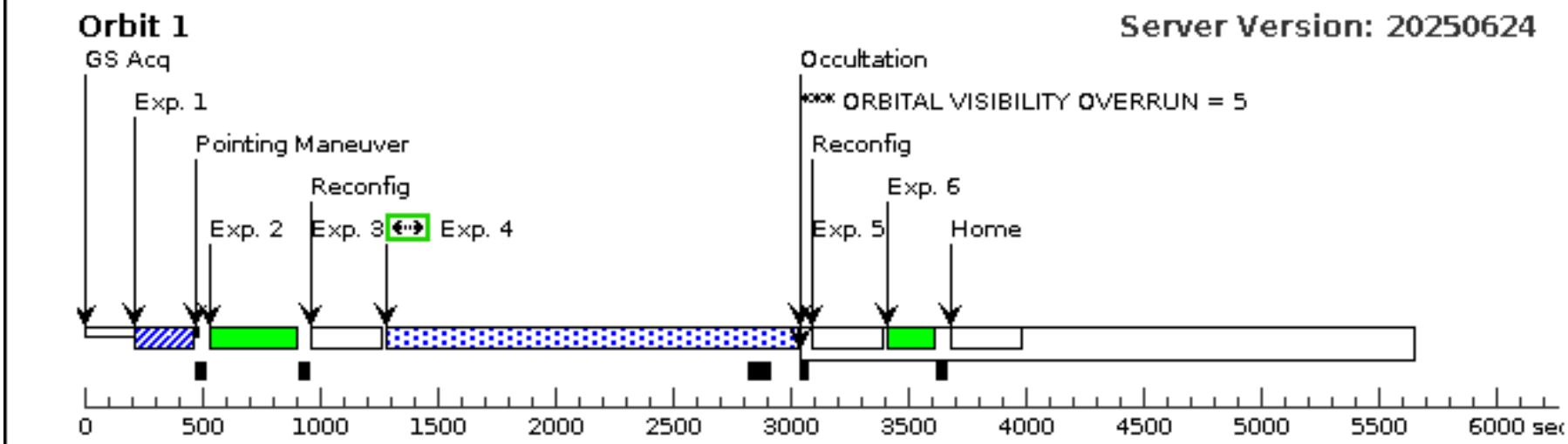
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	*[1]*
2	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1055 FP-POS = 1 FUVB (19)	*[==>]*	*[1]*
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1055 FP-POS = 1 FUVB (19)	1 Secs (1 Secs) *[==>]*	*[1]*
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
4	1055 PSA (COS.sp.1981642)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=1500; FP-POS=1; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1055 FP-POS = 1 FUVB (19)	1700 Secs (1700 Secs) *[==>]*	*[1]*
	*Comments: ETC gives buffer fill time of 1416s for both segments and 20,000 segments for FUVB, so use 2/3*1416 = 980 for both segments and exposure time for FUVB.*								
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1055 FP-POS = 1 FUVB (19)	1 Secs (1 Secs) *[==>]*	*[1]*
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
6	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1055 FP-POS = 1 FUVB (19)	*[==>]*	*[1]*

Orbit Structure



Visit

Proposal 17940, 1055 FP-POS = 2 FUVB (20), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1055 FP-POS = 2 FUVB (20)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

(1055 FP-POS = 2 FUVB (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

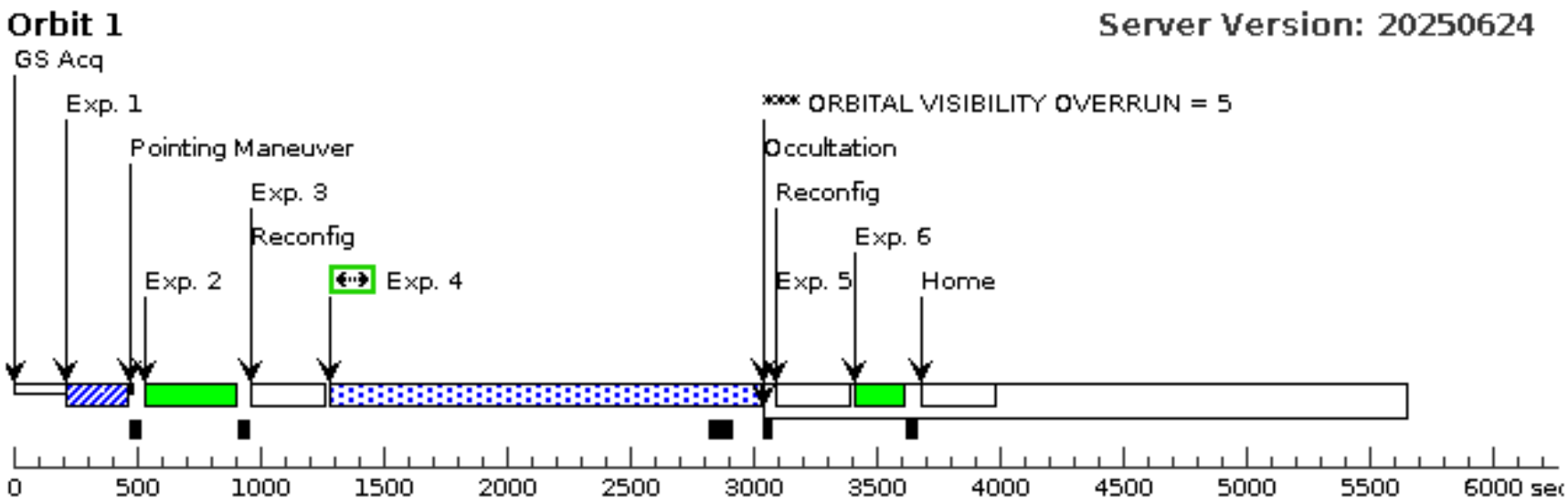
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1055 FP-POS = 2 FUVB (20)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1055 FP-POS = 2 FUVB (20)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
4	1055 PSA (COS.sp.1981642)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=1500; FP-POS=2; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1055 FP-POS = 2 FUVB (20)	1700 Secs (1700 Secs) *[==>]*	***[1]***
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1055 FP-POS = 2 FUVB (20)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
6	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1055 FP-POS = 2 FUVB (20)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1055 FP-POS = 3 FUVB (21), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1055 FP-POS = 3 FUVB (21)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

(1055 FP-POS = 3 FUVB (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

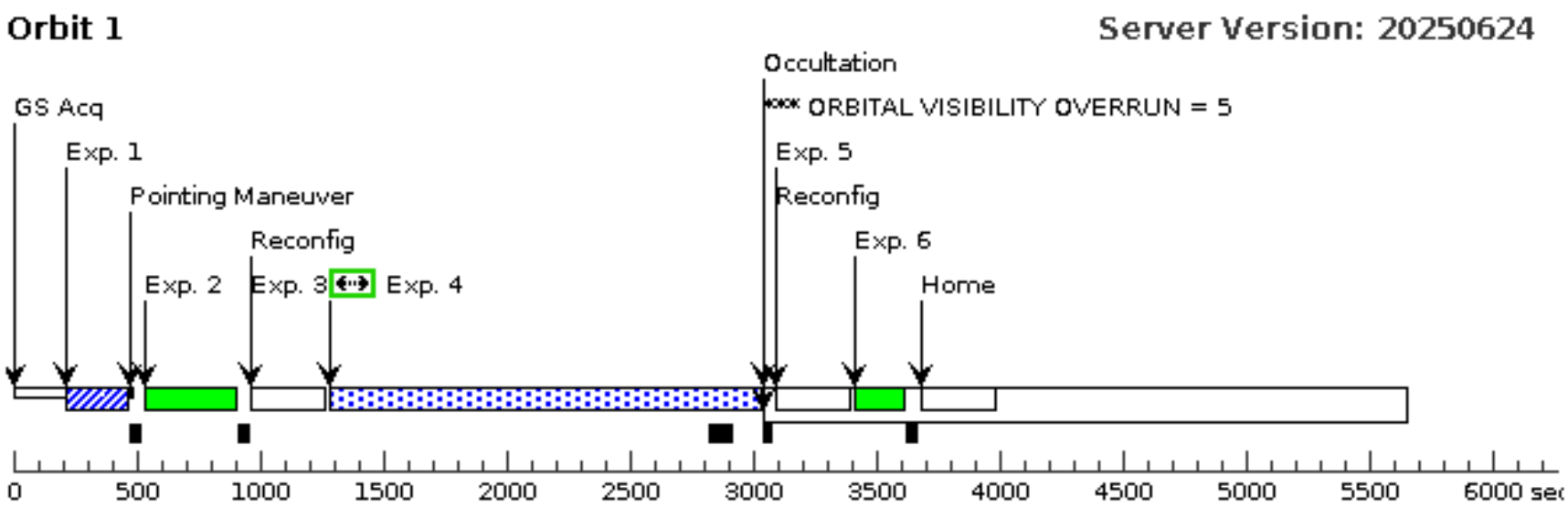
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=3; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1055 FP-POS = 3 FUVB (21)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1055 FP-POS = 3 FUVB (21)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
4	1055 PSA (COS.sp.1981642)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=1500; FP-POS=3; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1055 FP-POS = 3 FUVB (21)	1700 Secs (1700 Secs) *[==>]*	***[1]***
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1055 FP-POS = 3 FUVB (21)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
6	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=3; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1055 FP-POS = 3 FUVB (21)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1055 FP-POS = 4 FUVB (22), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1055 FP-POS = 4 FUVB (22)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

(1055 FP-POS = 4 FUVB (22)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

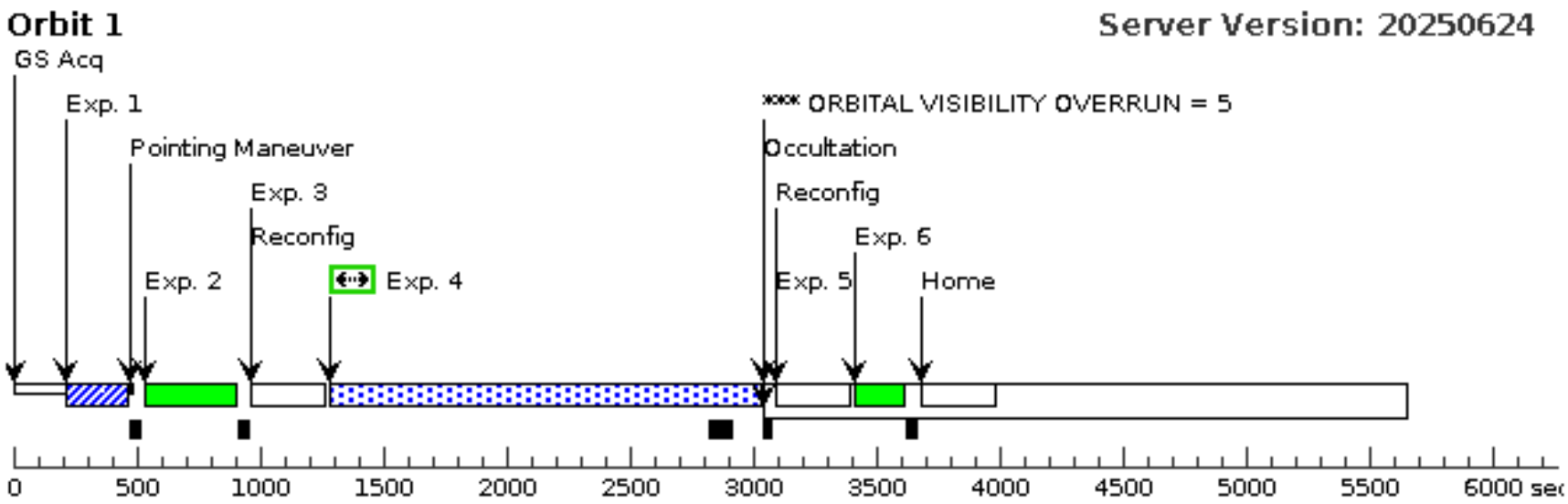
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1055 FP-POS = 4 FUVB (22)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1055 FP-POS = 4 FUVB (22)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
4	1055 PSA (COS.sp.1981642)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=1500; FP-POS=4; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1055 FP-POS = 4 FUVB (22)	1700 Secs (1700 Secs) *[==>]*	***[1]***
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1055 FP-POS = 4 FUVB (22)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
6	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1055 FP-POS = 4 FUVB (22)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1055 FP-POS = 1 FUVB (23), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1055 FP-POS = 1 FUVB (23)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

(1055 FP-POS = 1 FUVB (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Fixed Targets

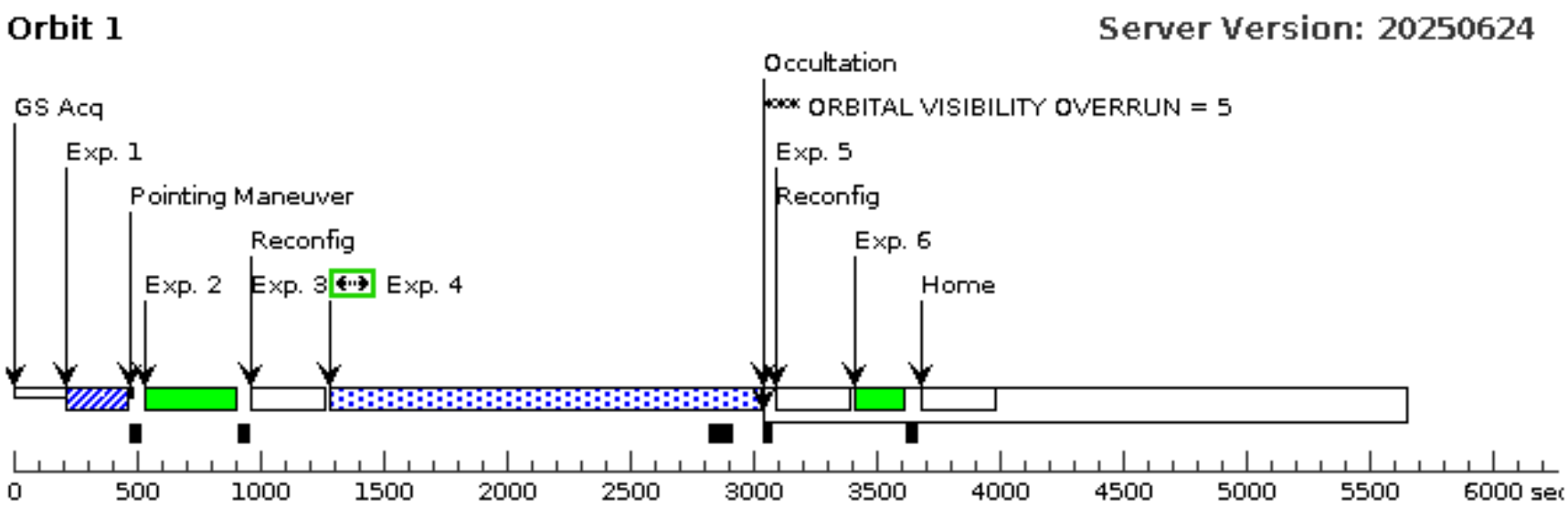
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS

Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.
Category=STAR
Description=[DB]
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 1 (COS.ta.1981636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) *[==>]*	***[1]***
2	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1055 FP-POS = 1 FUVB (23)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1055 FP-POS = 1 FUVB (23)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
4	1055 PSA (COS.sp.1981642)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=1500; FP-POS=1; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1055 FP-POS = 1 FUVB (23)	1700 Secs (1700 Secs) *[==>]*	***[1]***
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1055 FP-POS = 1 FUVB (23)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
6	1055 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1055 FP-POS = 1 FUVB (23)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 1 FUVB SK69 (24), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1096 FP-POS = 1 FUVB SK69 (24)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

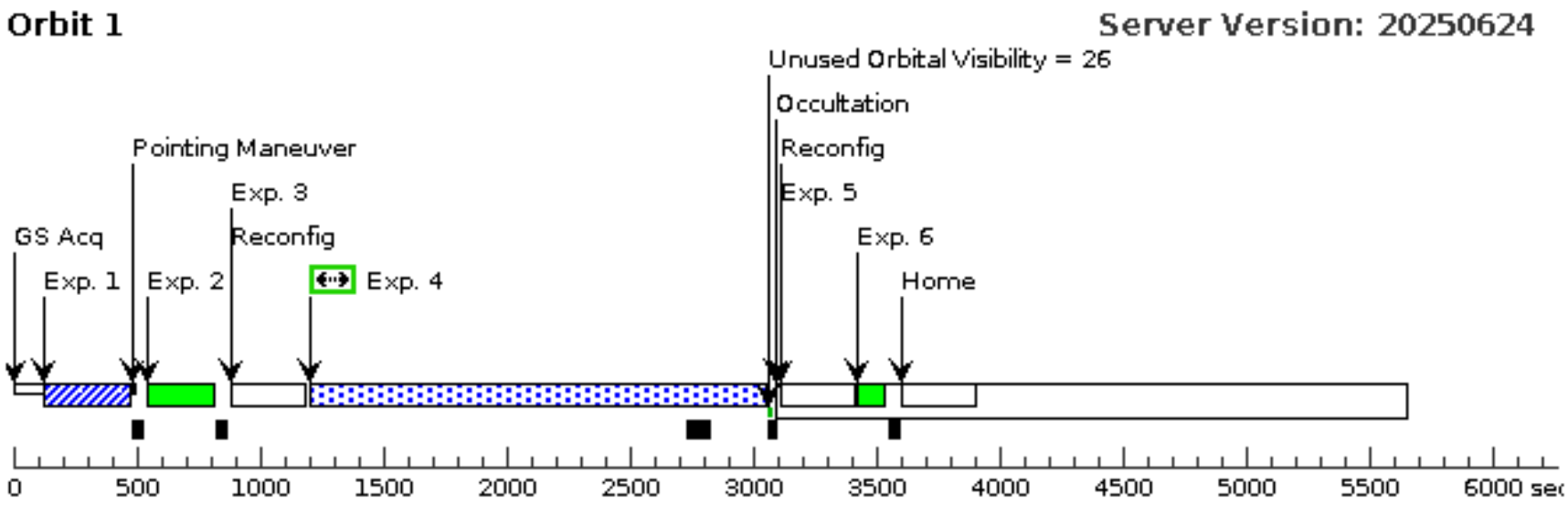
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	SK-69D83	RA: 05 14 29.6447 (78.6235196d)	Proper Motion RA: 0 mas/yr	V=11.61	Reference Frame: ICRS
	Alt Name1: SK-69-83	Dec: -69 29 43.60 (-69.49544d)	Proper Motion Dec: 0 mas/yr	SpT=O7.5 Iaf; E(B-V)=0.13; U=10.45; B=11.47; V=11.61; F1160=3.000e-12; F1360=2.480e-12; F1700=1.620e-12; F2200=9.020e-13	
	Alt Name2: HD269244	Equinox: J2000	Parallax: 0"		
			Epoch of Position: 2016		

Comments: Used in ULLYSES; GAIA co-ordinates.
Category=STAR
Description=[SUPERGIANT O, OF]
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 1 (COS.ta.1981637)	(8) SK-69D83	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				16 Secs (16 Secs) *[==>]*	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB SK69 (24)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB SK69 (24)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
4	1096 PSA (COS.sp.1981643)	(8) SK-69D83	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=1500; FP-POS=1; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB SK69 (24)	1800 Secs (1800 Secs) *[==>]*	***[1]***
	Comments: ETC gives buffer time for FUVB of 5,400s, so set buffer time equal to exposure time.								
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB SK69 (24)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
6	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=1; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 1 FUVB SK69 (24)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 2 FUVB SK69 (25), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1096 FP-POS = 2 FUVB SK69 (25)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

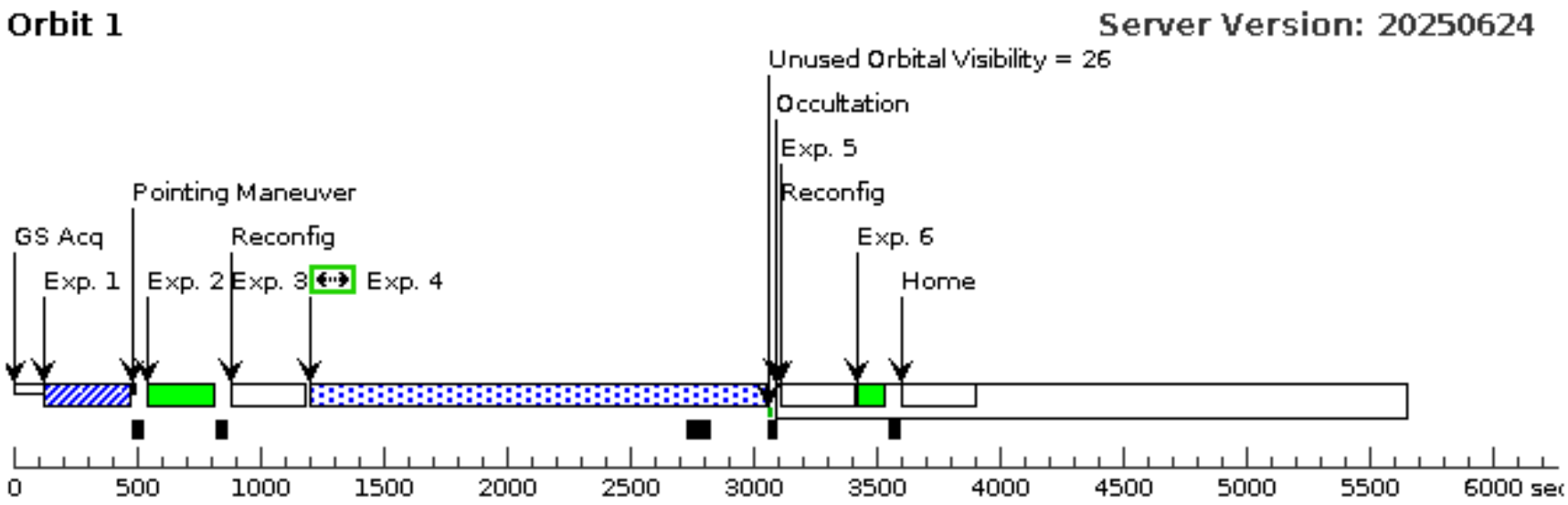
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	SK-69D83	RA: 05 14 29.6447 (78.6235196d)	Proper Motion RA: 0 mas/yr	V=11.61	Reference Frame: ICRS
	Alt Name1: SK-69-83	Dec: -69 29 43.60 (-69.49544d)	Proper Motion Dec: 0 mas/yr	SpT=O7.5 Iaf; E(B-V)=0.13; U=10.45; B=11.47; V=11.61; F1160=3.000e-12; F1360=2.480e-12; F1700=1.620e-12; F2200=9.020e-13	
	Alt Name2: HD269244	Equinox: J2000	Parallax: 0"		
			Epoch of Position: 2016		

Comments: Used in ULLYSES; GAIA co-ordinates.
Category=STAR
Description=[SUPERGIANT O, OF]
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 1 (COS.ta.1981637)	(8) SK-69D83	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				16 Secs (16 Secs)	
								[==>]	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 2 FUVB SK69 (25)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 2 FUVB SK69 (25)	1 Secs (1 Secs)	
								[==>]	***[1]***
Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.									
4	1096 PSA (COS.sp.1981643)	(8) SK-69D83	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=1500; FP-POS=2; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1096 FP-POS = 2 FUVB SK69 (25)	1800 Secs (1800 Secs)	
								[==>]	***[1]***
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 2 FUVB SK69 (25)	1 Secs (1 Secs)	
								[==>]	***[1]***
Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.									
6	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=2; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 2 FUVB SK69 (25)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 3 FUVB SK69 (26), completed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1096 FP-POS = 3 FUVB SK69 (26)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

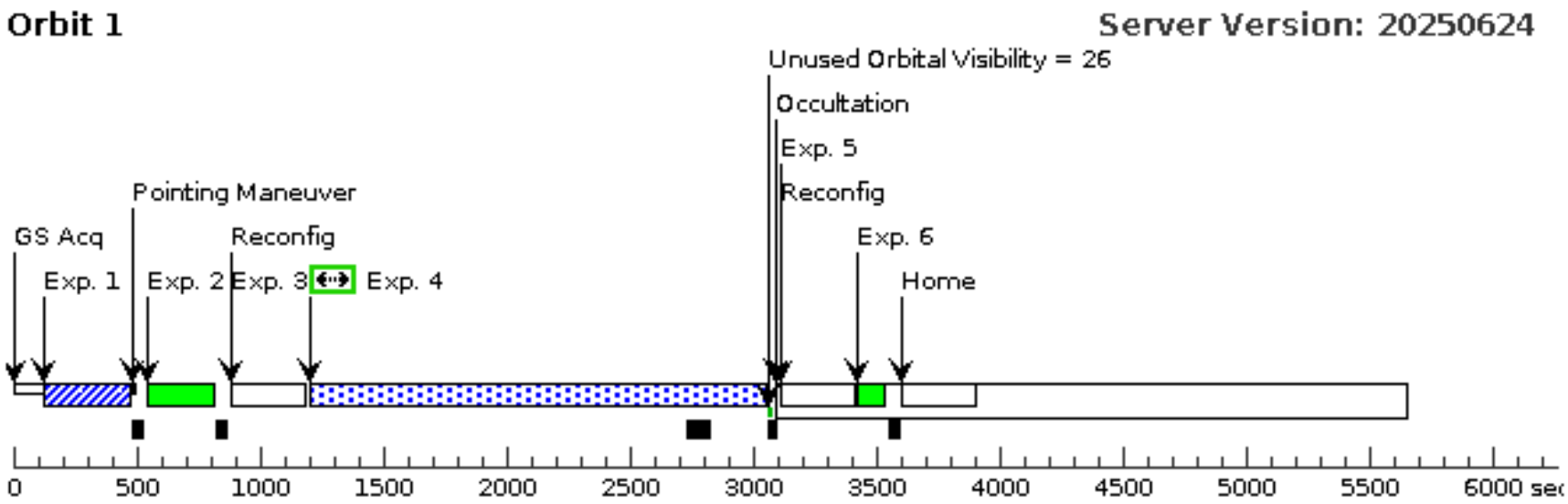
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	SK-69D83	RA: 05 14 29.6447 (78.6235196d)	Proper Motion RA: 0 mas/yr	V=11.61	Reference Frame: ICRS
	Alt Name1: SK-69-83	Dec: -69 29 43.60 (-69.49544d)	Proper Motion Dec: 0 mas/yr	SpT=O7.5 Iaf; E(B-V)=0.13; U=10.45; B=11.47; V=11.61; F1160=3.000e-12; F1360=2.480e-12; F1700=1.620e-12; F2200=9.020e-13	
	Alt Name2: HD269244	Equinox: J2000	Parallax: 0"		
			Epoch of Position: 2016		

Comments: Used in ULLYSES; GAIA co-ordinates.
Category=STAR
Description=[SUPERGIANT O, OF]
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 1 (COS.ta.1981637)	(8) SK-69D83	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				16 Secs (16 Secs)	
								[==>]	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 3 FUVB SK69 (26)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 3 FUVB SK69 (26)	1 Secs (1 Secs)	
								[==>]	***[1]***
Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.									
4	1096 PSA (COS.sp.1981643)	(8) SK-69D83	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=1500; FP-POS=3; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1096 FP-POS = 3 FUVB SK69 (26)	1800 Secs (1800 Secs)	
								[==>]	***[1]***
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 3 FUVB SK69 (26)	1 Secs (1 Secs)	
								[==>]	***[1]***
Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.									
6	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 3 FUVB SK69 (26)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 4 FUVB SK69 (27), failed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(1096 FP-POS = 4 FUVB SK69 (27)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

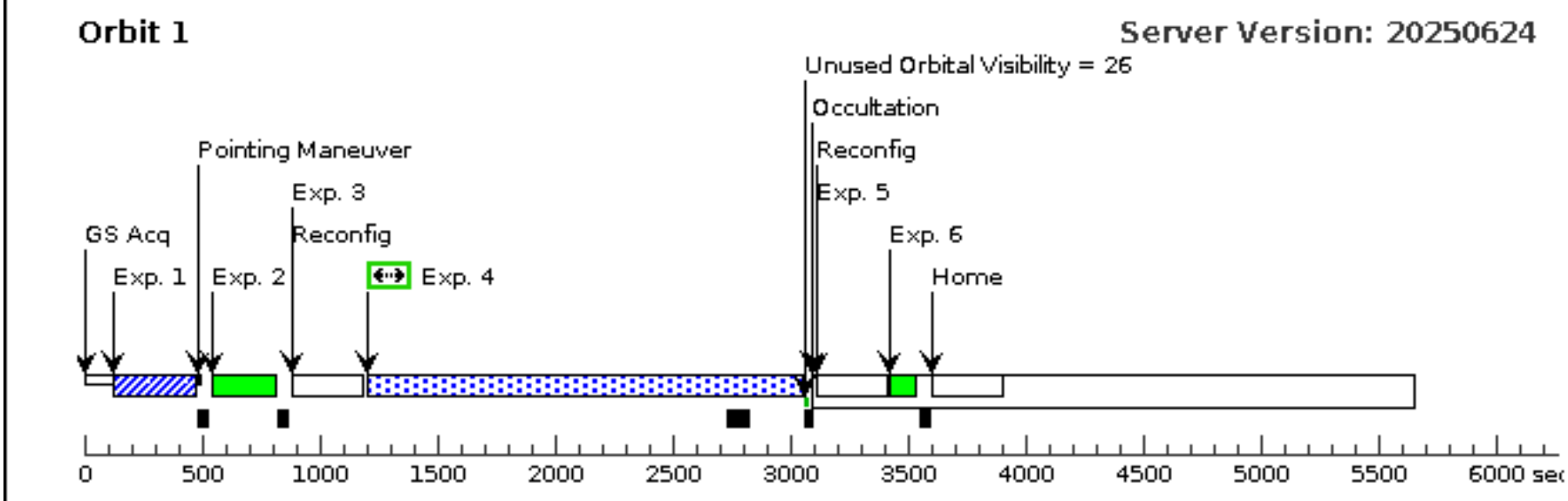
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	SK-69D83	RA: 05 14 29.6447 (78.6235196d)	Proper Motion RA: 0 mas/yr	V=11.61	Reference Frame: ICRS
	Alt Name1: SK-69-83	Dec: -69 29 43.60 (-69.49544d)	Proper Motion Dec: 0 mas/yr	SpT=O7.5 Iaf; E(B-V)=0.13; U=10.45; B=11.47; V=11.61; F1160=3.000e-12; F1360=2.480e-12; F1700=1.620e-12; F2200=9.020e-13	
	Alt Name2: HD269244	Equinox: J2000	Parallax: 0"		
			Epoch of Position: 2016		

Comments: Used in ULLYSES; GAIA co-ordinates.
Category=STAR
Description=[SUPERGIANT O, OF]
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 1 (COS.ta.1981637)	(8) SK-69D83	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				16 Secs (16 Secs)	
								[==>]	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (27)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (27)	1 Secs (1 Secs)	
								[==>]	***[1]***
Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.									
4	1096 PSA (COS.sp.1981643)	(8) SK-69D83	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=1500; FP-POS=4; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (27)	1800 Secs (1800 Secs)	
								[==>]	***[1]***
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (27)	1 Secs (1 Secs)	
								[==>]	***[1]***
Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.									
6	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (27)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 4 FUVB SK69 (58), failed Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Comments: HOPR repeat for visit 27.

Diagnostics

(1096 FP-POS = 4 FUVB SK69 (58)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

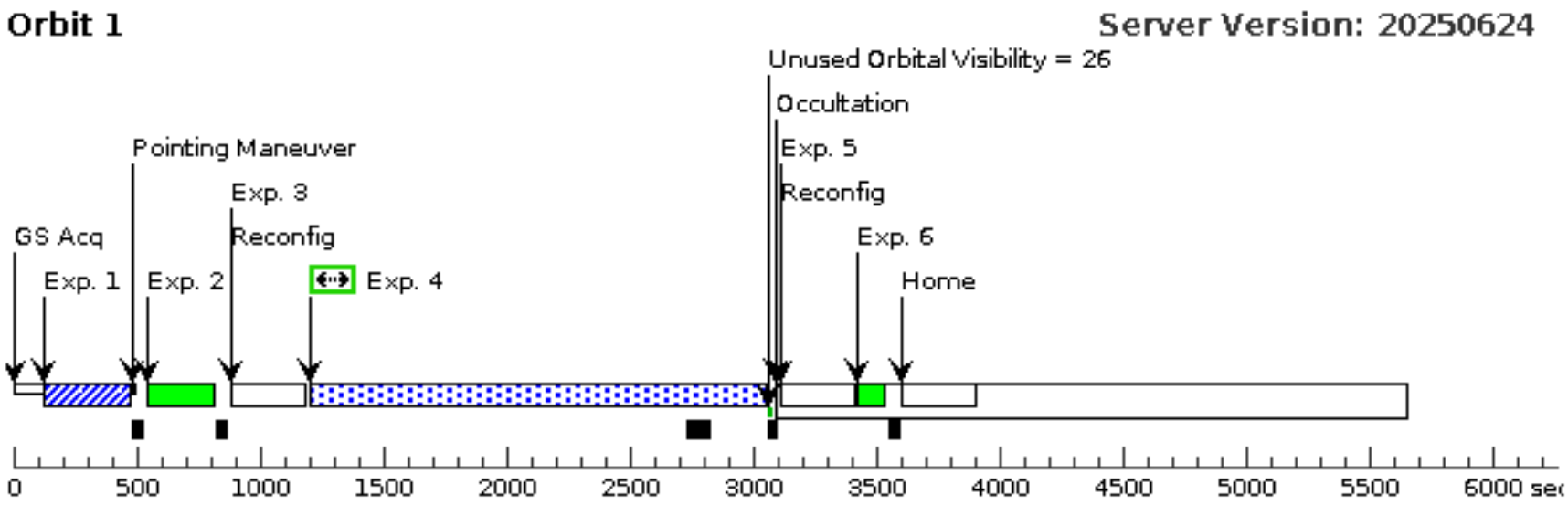
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	SK-69D83 Alt Name1: SK-69-83 Alt Name2: HD269244	RA: 05 14 29.6447 (78.6235196d) Dec: -69 29 43.60 (-69.49544d) Equinox: J2000	Proper Motion RA: 0 mas/yr Proper Motion Dec: 0 mas/yr Parallax: 0" Epoch of Position: 2016	V=11.61 SpT=O7.5 Iaf; E(B-V)=0.13; U=10.45; B=11.47; V=11.61; F1160=3.000e-12; F1360=2.480e-12; F1700=1.620e-12; F2200=9.020e-13	Reference Frame: ICRS

Comments: Used in ULLYSES; GAIA co-ordinates.
Category=STAR
Description=[SUPERGIANT O, OF]
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 1 (COS.ta.1981637)	(8) SK-69D83	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				16 Secs (16 Secs) *[==>]*	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (58)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (58)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
4	1096 PSA (COS.sp.1981643)	(8) SK-69D83	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=1500; FP-POS=4; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (58)	1800 Secs (1800 Secs) *[==>]*	***[1]***
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (58)	1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.								
6	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (58)	*[==>]*	***[1]***

Orbit Structure



Visit

Proposal 17940, 1096 FP-POS = 4 FUVB SK69 (59) Fri Sep 19 14:00:42 GMT 2025

Diagnostic Status: Warning

Scientific Instruments: S/C, COS/FUV, COS/NUV

Special Requirements: (none)

Comments: HOPR repeat for visit 58.

Diagnostics

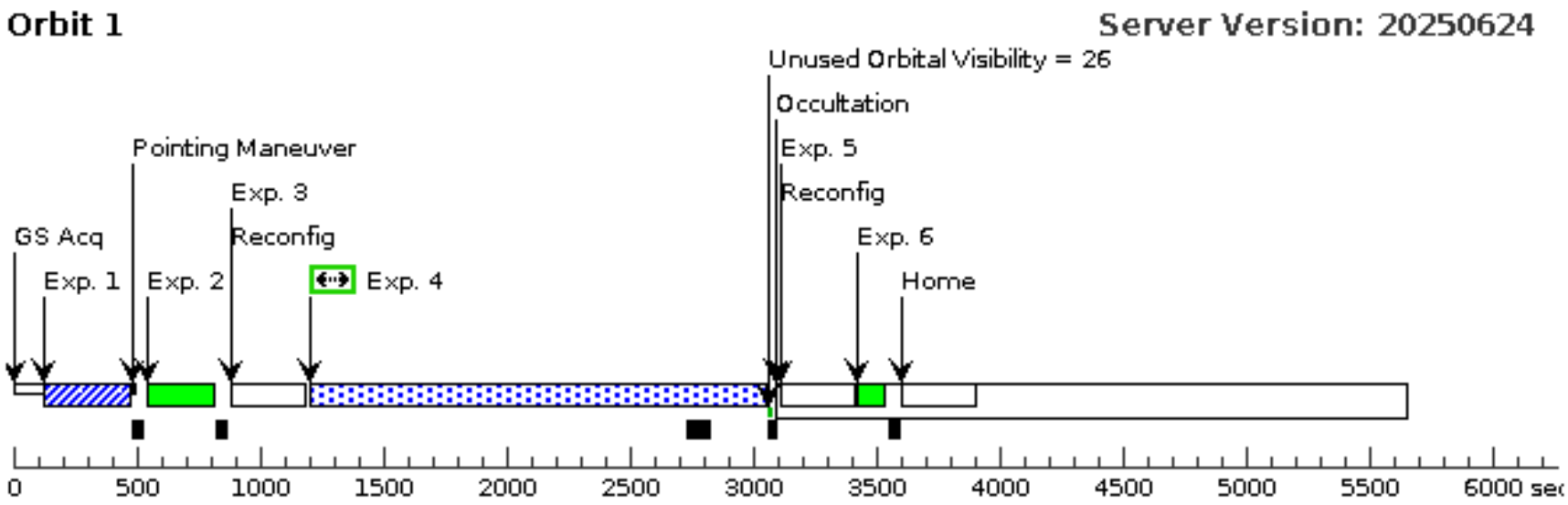
(1096 FP-POS = 4 FUVB SK69 (59)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	SK-69D83 Alt Name1: SK-69-83 Alt Name2: HD269244	RA: 05 14 29.6447 (78.6235196d) Dec: -69 29 43.60 (-69.49544d) Equinox: J2000	Proper Motion RA: 0 mas/yr Proper Motion Dec: 0 mas/yr Parallax: 0" Epoch of Position: 2016	V=11.61 SpT=O7.5 Iaf; E(B-V)=0.13; U=10.45; B=11.47; V=11.61; F1160=3.000e-12; F1360=2.480e-12; F1700=1.620e-12; F2200=9.020e-13	Reference Frame: ICRS

Comments: Used in ULLYSES; GAIA co-ordinates.
Category=STAR
Description=[SUPERGIANT O, OF]
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 1 (COS.ta.1981637)	(8) SK-69D83	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				16 Secs (16 Secs) *[==>]*	***[1]***
2	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (59)	*[==>]*	***[1]***
3	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (59)	1 Secs (1 Secs) *[==>]*	***[1]***
Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.									
4	1096 PSA (COS.sp.1981643)	(8) SK-69D83	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=1500; FP-POS=4; LIFETIME-POS=LP7; FLASH=NO; WAVECAL=NO; SEGMENT=B		Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (59)	1800 Secs (1800 Secs) *[==>]*	***[1]***
5	S/C Line to force LV	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW	Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (59)	1 Secs (1 Secs) *[==>]*	***[1]***
Comments: Work-around to efficiently schedule reconfigs when segment use changes. Eliminates SPSS induced gaps.									
6	1096 wave	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=4; LIFETIME-POS=LP7		Sequence 2-6 Non-Int in 1096 FP-POS = 4 FUVB SK69 (59)	*[==>]*	***[1]***

Orbit Structure