



17516 - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Cycle: 31, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Marjorie Declair (PI) (ESA Member) (Contact)	Space Telescope Science Institute - ESA
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Dr. Derck L. Massa (CoI)	Space Science Institute
Dr. Geoffrey C. Clayton (CoI)	Space Science Institute
Catherine Zucker (CoI)	Space Telescope Science Institute
Burcu Gunay (CoI)	Space Telescope Science Institute
Dr. Dries Van De Putte (CoI)	Space Telescope Science Institute
Petia Yanchulova Merica-Jones (CoI)	Space Telescope Science Institute

VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) ALS882 CCDFLAT	STIS/CCD STIS/FUV-MAMA	1	28-Jun-2024 17:00:20.0	yes
02	(2) ALS1795 CCDFLAT	STIS/CCD STIS/FUV-MAMA	1	28-Jun-2024 17:00:22.0	yes
03	(3) ALS2285 CCDFLAT	STIS/CCD STIS/FUV-MAMA	1	28-Jun-2024 17:00:23.0	yes

Proposal 17516 (STScI Edit Number: 1, Created: Friday, June 28, 2024 at 4:00:43 PM Eastern Standard Time) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
04	(4) ALS6028 CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	28-Jun-2024 17:00:24.0	yes
05	(5) ALS6206 CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	28-Jun-2024 17:00:25.0	yes
06	(6) ALS6213 CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	28-Jun-2024 17:00:26.0	yes
07	(7) ALS15273 CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	28-Jun-2024 17:00:28.0	yes
08	(8) ALS19805 CCDFLAT	STIS/CCD STIS/FUV-MAMA	1	28-Jun-2024 17:00:29.0	yes
09	(9) BD+56-510 CCDFLAT	STIS/CCD	1	28-Jun-2024 17:00:30.0	yes
10	(10) HD-111934 CCDFLAT	STIS/CCD	1	28-Jun-2024 17:00:31.0	yes
11	(11) HD-192660 CCDFLAT	STIS/CCD	1	28-Jun-2024 17:00:31.0	yes
12	(12) HD-239689 CCDFLAT	STIS/CCD	1	28-Jun-2024 17:00:32.0	yes
13	(13) ALS6672 CCDFLAT	STIS/CCD STIS/FUV-MAMA	1	28-Jun-2024 17:00:33.0	yes
14	(14) ALS8351 CCDFLAT	STIS/CCD STIS/FUV-MAMA	1	28-Jun-2024 17:00:34.0	yes
15	(15) ALS13253 CCDFLAT	STIS/CCD STIS/FUV-MAMA	1	28-Jun-2024 17:00:35.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
16	(16) ALS18098 CCDFLAT	STIS/CCD STIS/FUV-MAMA	1	28-Jun-2024 17:00:37.0	yes
17	(17) ALS18106 CCDFLAT	STIS/CCD STIS/FUV-MAMA	1	28-Jun-2024 17:00:38.0	yes
18	(18) HD-36982 CCDFLAT	STIS/CCD	1	28-Jun-2024 17:00:39.0	yes
19	(19) HD-37021 CCDFLAT	STIS/CCD	1	28-Jun-2024 17:00:40.0	yes
20	(20) HD-37023 (24) HD-37022 CCDFLAT	STIS/CCD	1	28-Jun-2024 17:00:41.0	yes
21	(21) HD-93160 CCDFLAT	STIS/CCD	1	28-Jun-2024 17:00:41.0	yes
22	(22) HERSCHEL-36 CCDFLAT	STIS/CCD	1	28-Jun-2024 17:00:42.0	yes
23	(23) HD-164906 CCDFLAT	STIS/CCD	1	28-Jun-2024 17:00:43.0	yes

23 Total Orbits Used

ABSTRACT

We propose to observe a carefully selected sample of 23 stars in the Milky Way with STIS to measure extreme dust extinction curves from 1150 Angstrom to 1 micron. This sample of sightlines has very low or very high total-to-selective extinction ratios, probing the smallest or largest dust grains, respectively. The proposed observations will put strong constraints on dust grain sizes and dust grain evolution including growth and destruction in extreme environments. In addition, they will enable us to provide a much more accurate $R(V)$ -dependent extinction curve that can be used to account for dust extinction in all types of environments.

OBSERVING DESCRIPTION

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The target S/N = 10 (UV) and 100 (Optical) at the native resolution. This is higher than the proposal target S/N = 10 at R=100. In general, the proposal target S/N is achieved with very short integration times (0.1 sec for many stars) and adopting higher target S/N/resolution still results in very short integration times with all the exposures easily fitting within the allocated orbits. This will result in higher quality data that will enhance the science proposed and the archival value of the observations. For two stars (ALS6206 & ALS6213), we use the proposal target S/N = 10 at R=100 for UV observations as they are the faintest UV targets and they would take too much time for the enhanced target S/N.

Thinking about ND slits reminded the proposers that neutral density slits were available and have been successfully used for dust extinction work in the past (Clayton et al. 2003). As a result, we have added NDC slit observations with G140L to the observations for the 5 targets that were proposed for G230LB due to their brightness. These observations fit within the allocated orbits. We have submitted a TTRB to obtain formal approval for these added exposures and it was approved.

For the CCD observations, we use 52x2E1 position to mitigate CTE losses.

ALS2285 has G230L MAMA brightness warning for variable sources. Gaia does not flag this source as variable.

We request advice on how to deal with the bright object warnings.

We have manually adjusted the exposure times for the FUV and NUV settings to fill the orbits. This puts the extra time into the two settings that can most utilize it resulting in significantly higher S/N in the UV. New ETC calculations were done for a handful of visits, but not all. It was clear from the handful of new ETC calculations that no issues arose from increasing the FUV/NUV exposures times.

For the optical only visits, we request advice on what we should do with these partially filled orbits. Leave them as is and they will be filled with some other exposures (SNAPs)? Add more exposures dithering along the slit? Request UV observations via the TTRB to enhance the archival

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value

(these stars already have lower resolution IUE UV spectra)?

TA confirmation charts are fine most of our targets. For HD 37021, HD 37023, HD 36982, & HD 93160 these charts are effectively blank even through

the coordinates are correct.

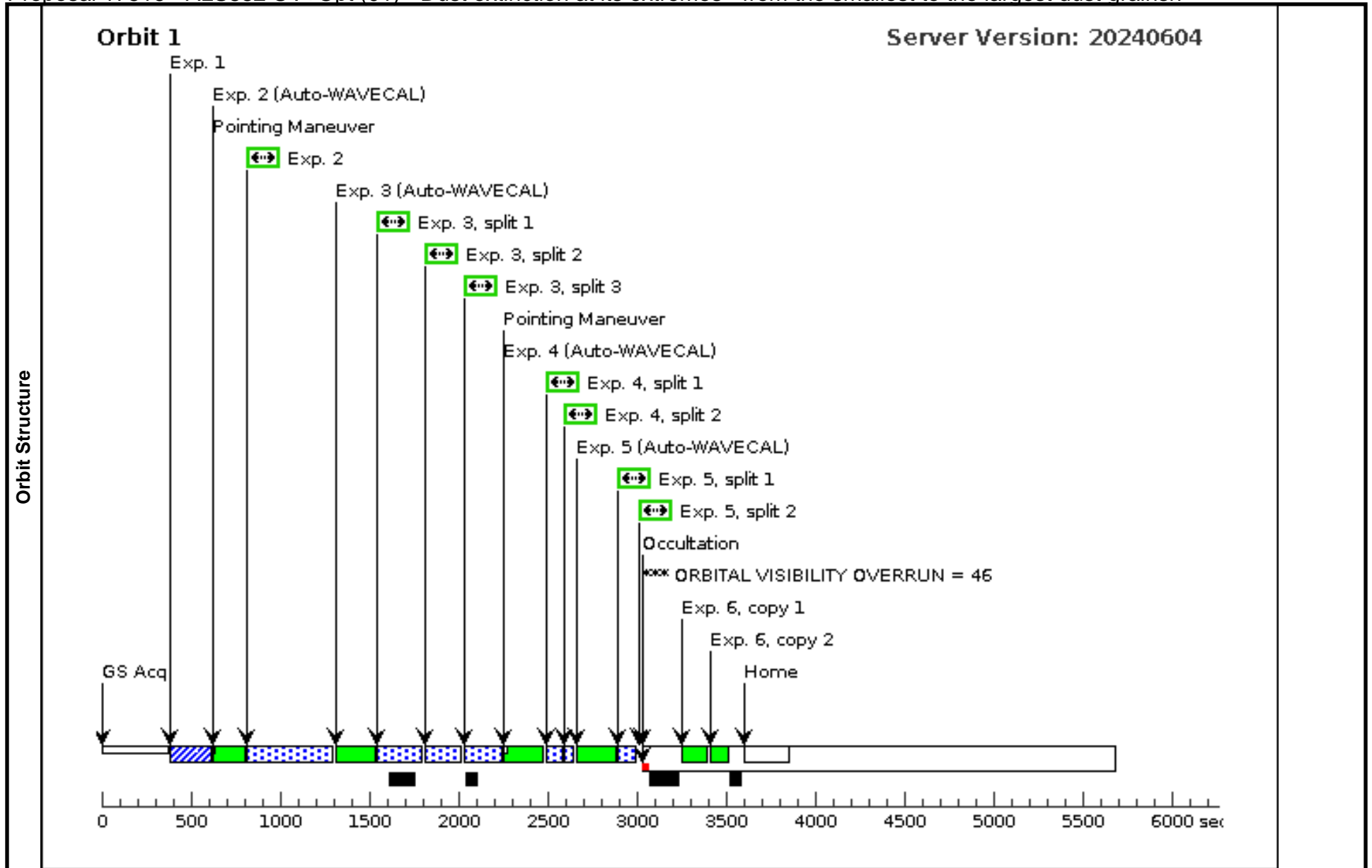
Note on 1 Dec 2024 we discovered that ALS18106 had the incorrect coordinates. It had erroneously been picked at ALS18016. This has been fixed.

All BOT warnings are for the science targets and ETC calculations for those targets clear them. This is noted in in each visit folder as appropriate.

Proposal 17516 - ALS882 UV+Opt (01) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:43 GMT 2024

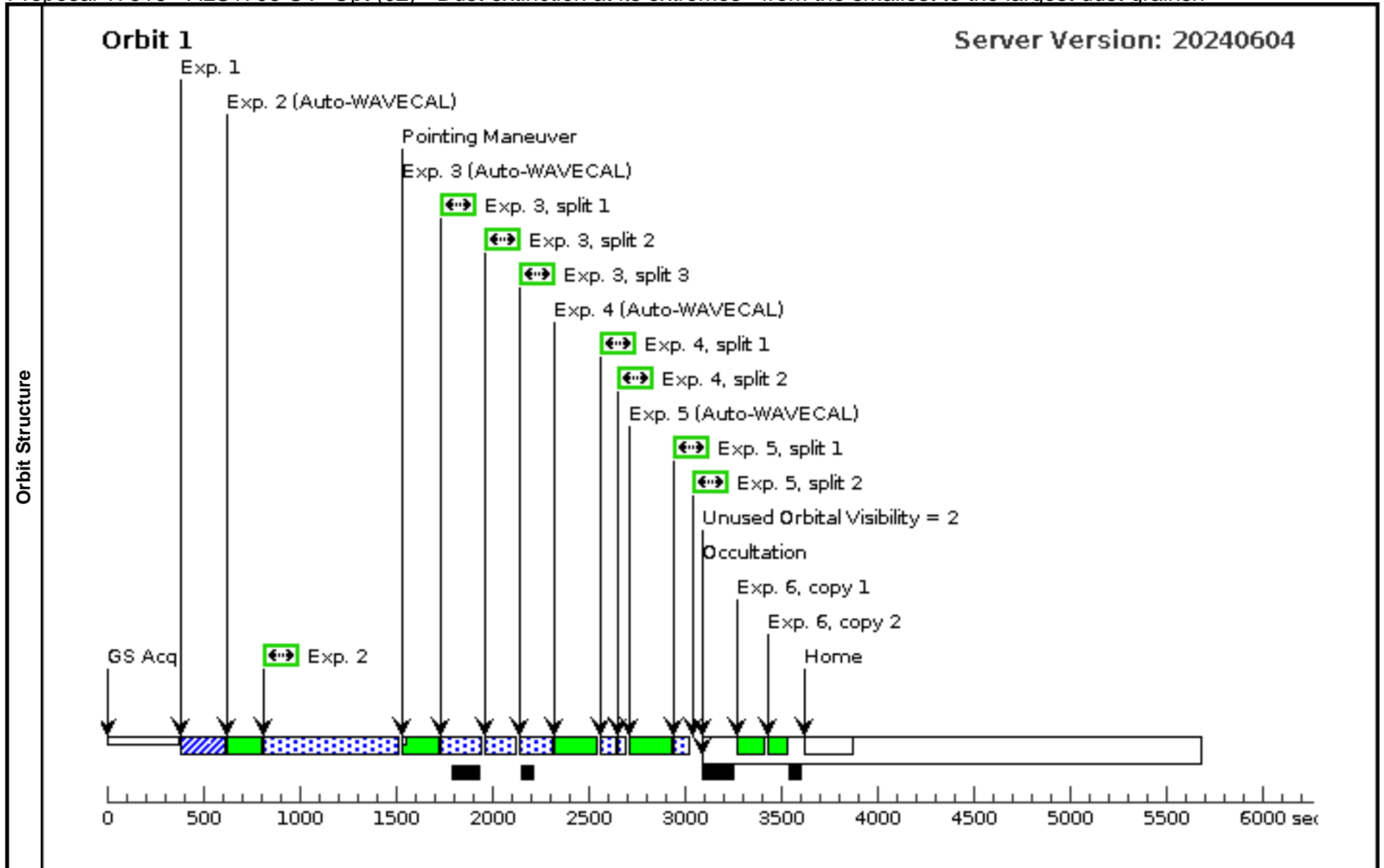
Visit	Proposal 17516, ALS882 UV+Opt (01), scheduling Diagnostic Status: Warning Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: (none) <i>Comments: BOT warning is for the science target. The science target is not a O5V star as assumed by default by the BOT, but a B2V star. This was determined during the target selection based on Gaia BP/RP spectra. ETC calculation shows this target is safe to observe.</i>																																																																														
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Proposal 17516 - ALS1795 UV+Opt (02) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:44 GMT 2024

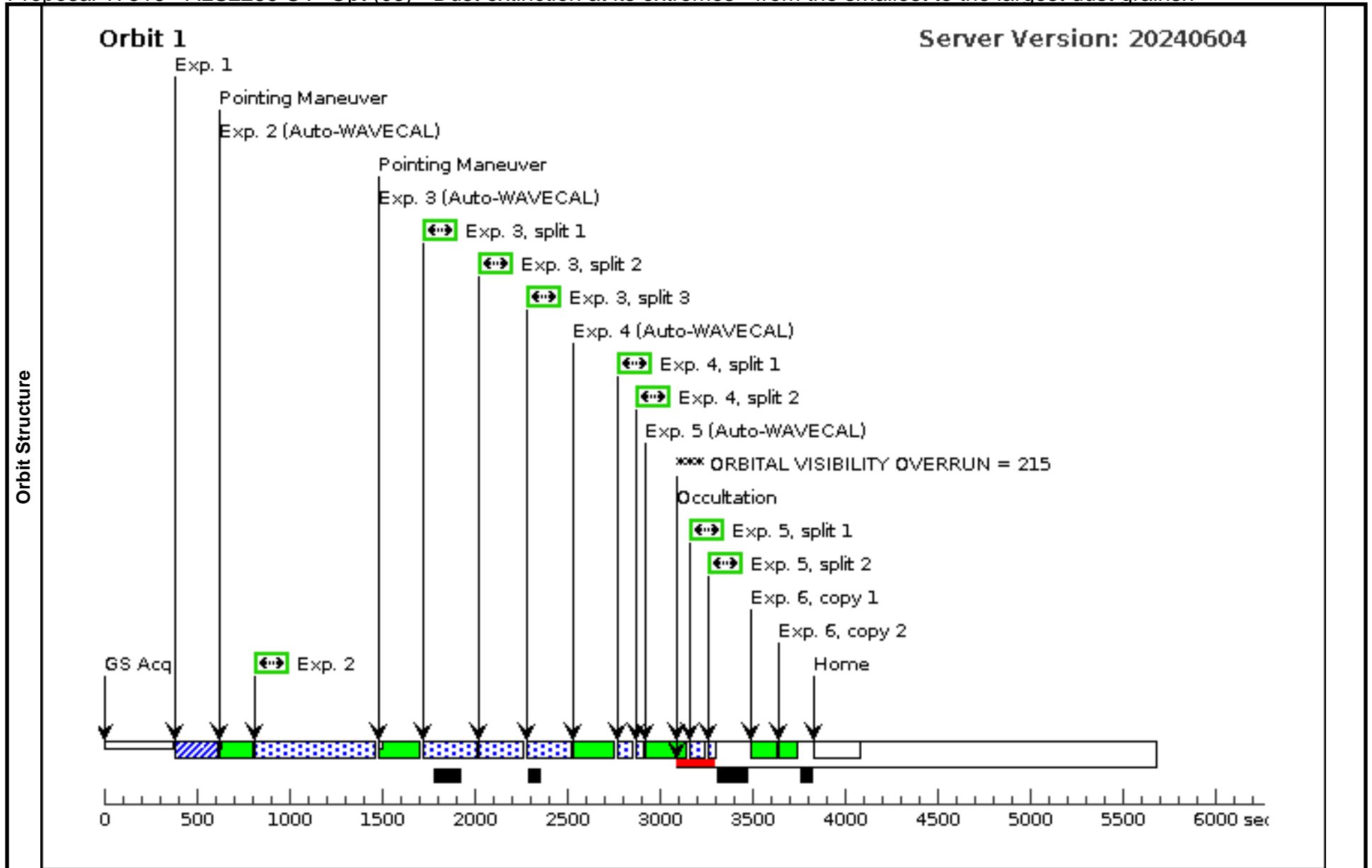
Visit	<p>Proposal 17516, ALS1795 UV+Opt (02), pi</p> <p>Diagnostic Status: No Diagnostics</p> <p>Scientific Instruments: STIS/CCD, STIS/FUV-MAMA</p> <p>Special Requirements: (none)</p> <p><i>Comments: BOT warning is for the science target. The science target is not a O5V star as assumed by default by the BOT, but a B1.5V star. This was determined during the target selection based on Gaia BP/RP spectra. ETC calculation shows this target is safe to observe.</i></p>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
(2)		ALS1795	RA: 10 42 50.1555 (160.7089812d) Dec: -59 25 31.11 (-59.42531d) Equinox: J2000	Proper Motion RA: -0.001008136682732476 sec of time/yr Proper Motion Dec: 0.003113 arcsec/yr Epoch of Position: 2015.5	V=10.16	Reference Frame: ICRS				
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p>Category=STAR Description=[B0-B2 V-IV] Extended=NO</p>										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ (2) ALS1795 (STIS.ta.189 9600)	(2) ALS1795	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	2	STIS/G140L (2) ALS1795 (STIS.sp.19 26547)	(2) ALS1795	STIS/FUV-MAMA, ACCUM, 0.2X0.2	G140L 1425 A				670 Secs (670 Secs) [==>]	[1]
	3	STIS/G230L B (2) ALS1795 (STIS.sp.18 99607)	(2) ALS1795	STIS/CCD, ACCUM, 52X2E1	G230LB 2375 A	CR-SPLIT=3			399 Secs (399 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
	4	STIS/G430L (2) ALS1795 (STIS.sp.18 91973)	(2) ALS1795	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				5.8 Secs (5.8 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5	STIS/G750L (2) ALS1795 (STIS.sp.18 91972)	(2) ALS1795	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				8.0 Secs (8 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	6	CCDFLAT CCDFLAT	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17516 - ALS2285 UV+Opt (03) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:44 GMT 2024

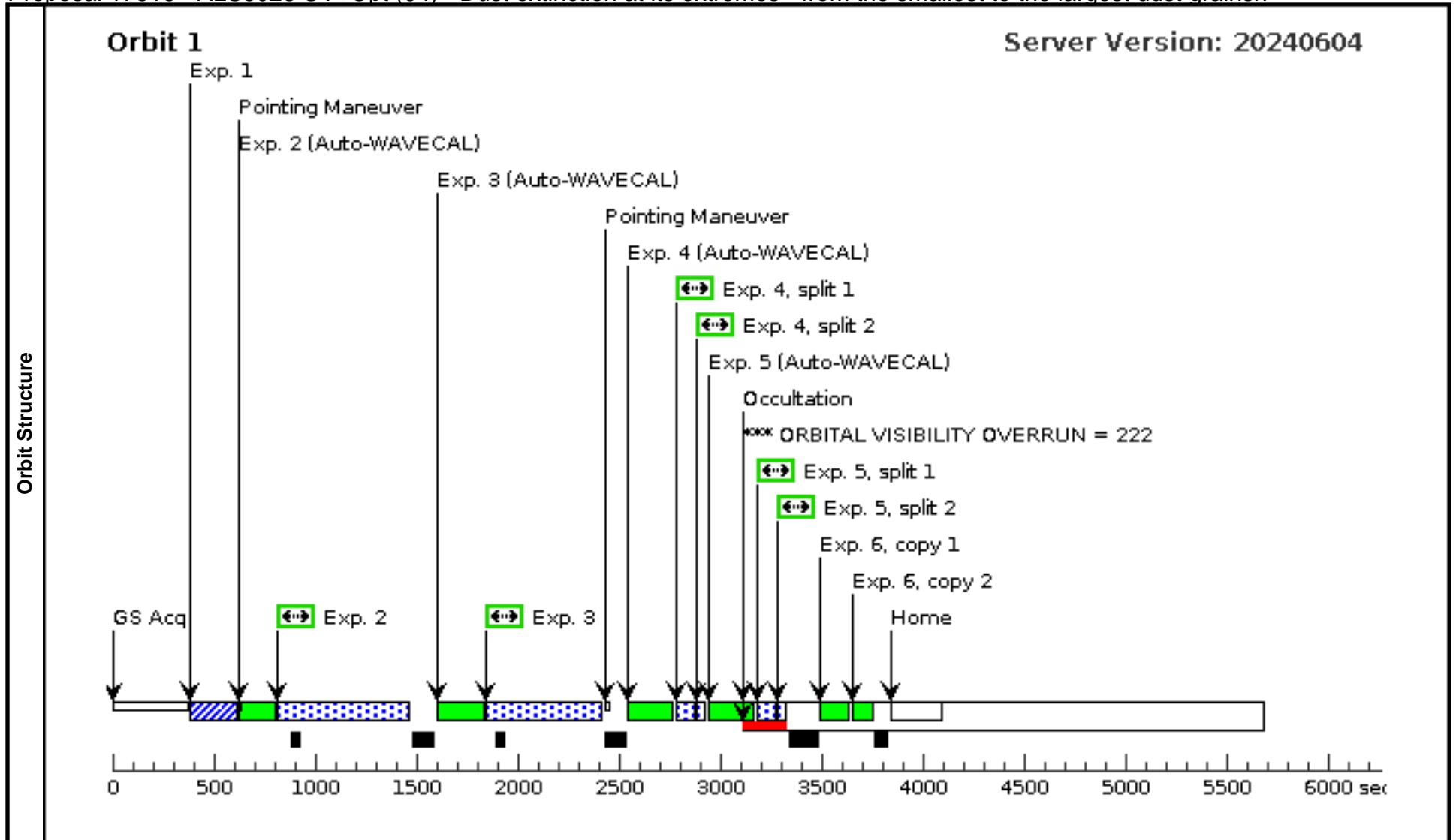
Visit	Proposal 17516, ALS2285 UV+Opt (03), scheduling Diagnostic Status: Warning Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: (none) <i>Comments: BOT warning is for the science target. The science target is not a O5V star as assumed by default by the BOT, but a B2V star. This was determined during the target selection based on Gaia BP/RP spectra. ETC calculation shows this target is safe to observe.</i>																																																																														
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Proposal 17516 - ALS6028 UV+Opt (04) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:44 GMT 2024

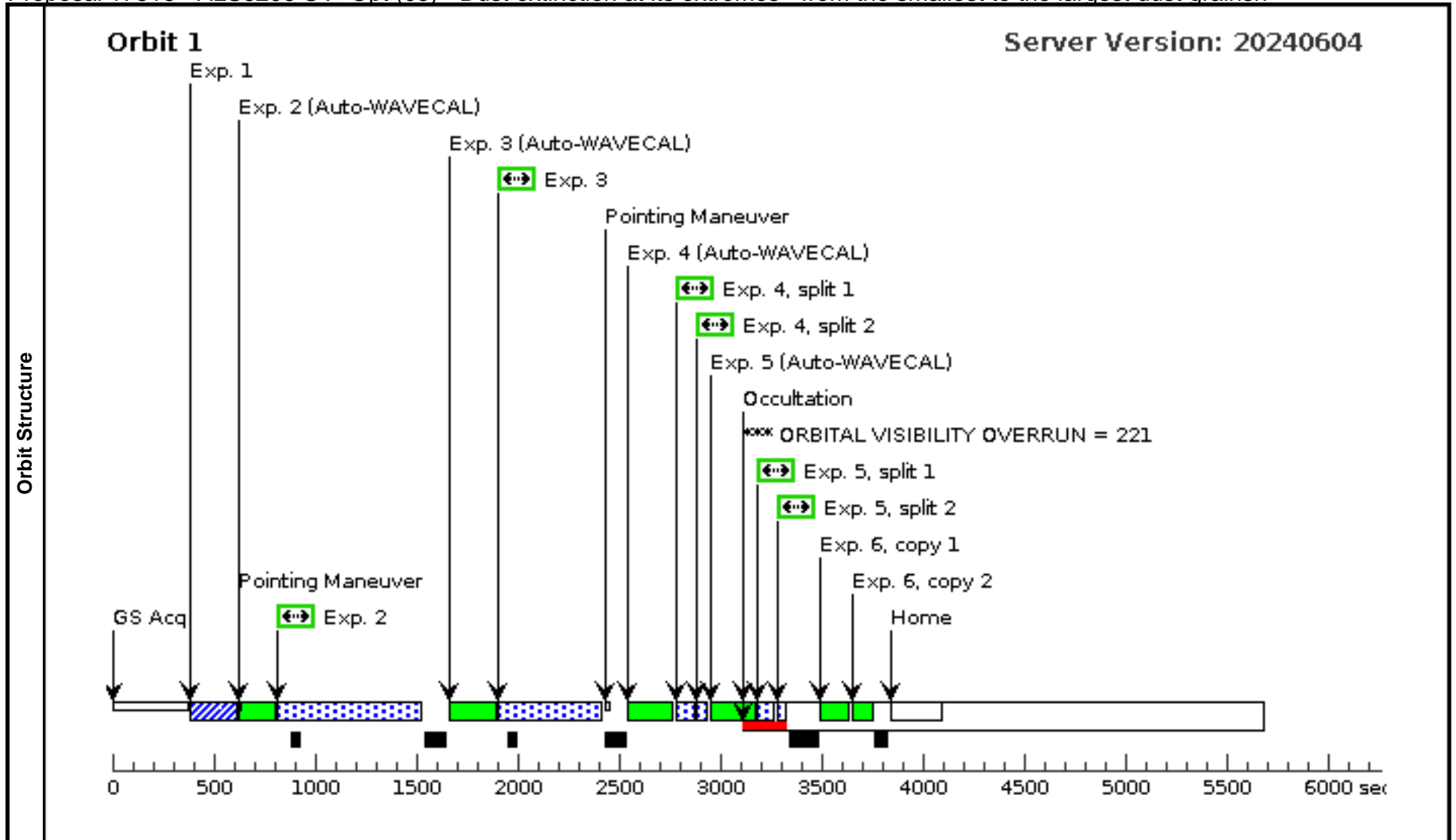
Visit	Proposal 17516, ALS6028 UV+Opt (04), scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA Special Requirements: (none) <i>Comments: BOT warning is for the science target. The science target is not a O5V star as assumed by default by the BOT, but a B0V star. This was determined during the target selection based on Gaia BP/RP spectra. ETC calculation shows this target is safe to observe.</i>																																																																														
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Proposal 17516 - ALS6206 UV+Opt (05) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:44 GMT 2024

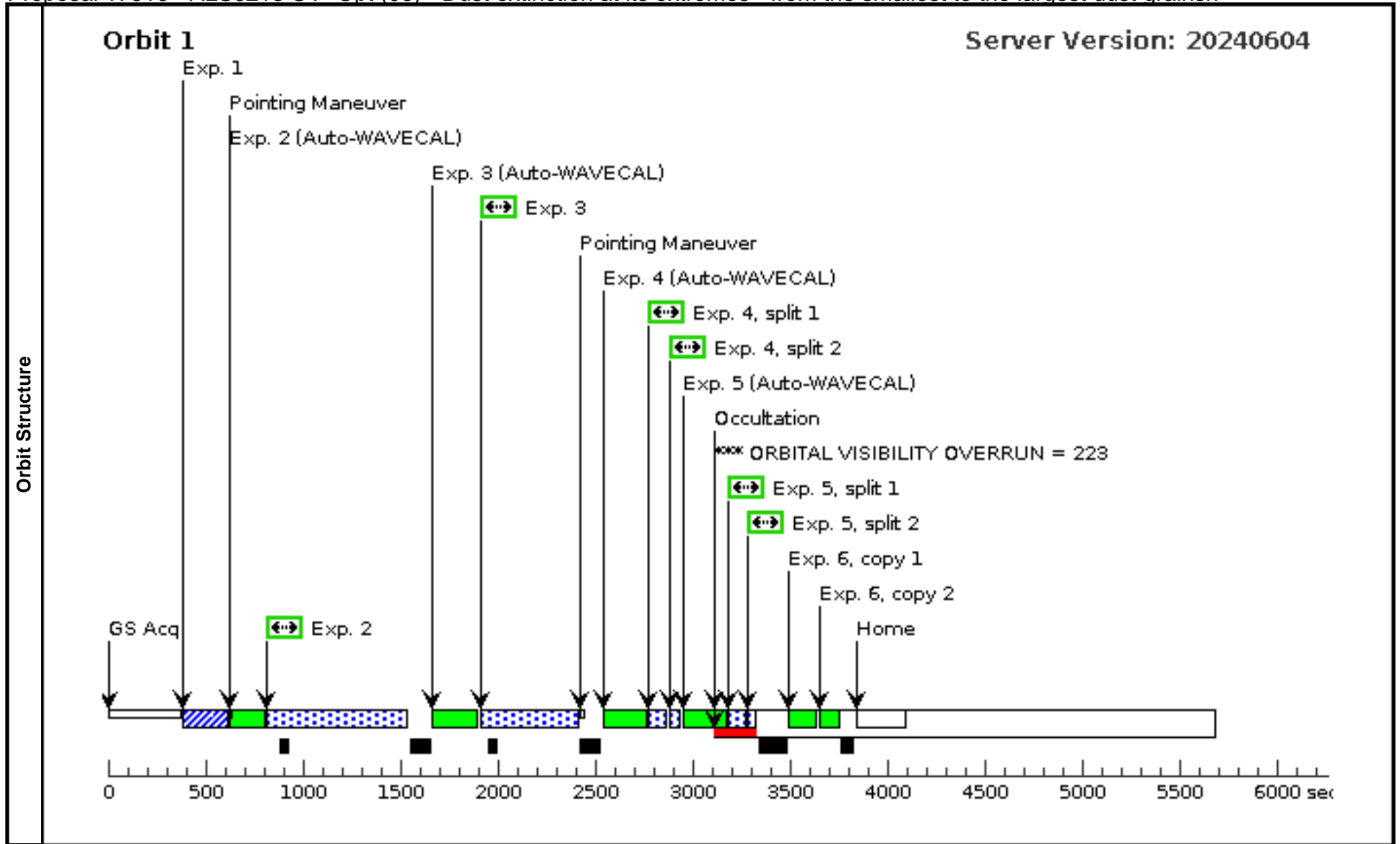
Visit	Proposal 17516, ALS6206 UV+Opt (05), scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA Special Requirements: (none) <i>Comments: BOT warning is for the science target. The science target is not a O5V star as assumed by default by the BOT, but a 09.5V star. This was determined during the target selection based on Gaia BP/RP spectra. ETC calculation shows this target is safe to observe.</i>																																																																														
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Proposal 17516 - ALS6213 UV+Opt (06) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

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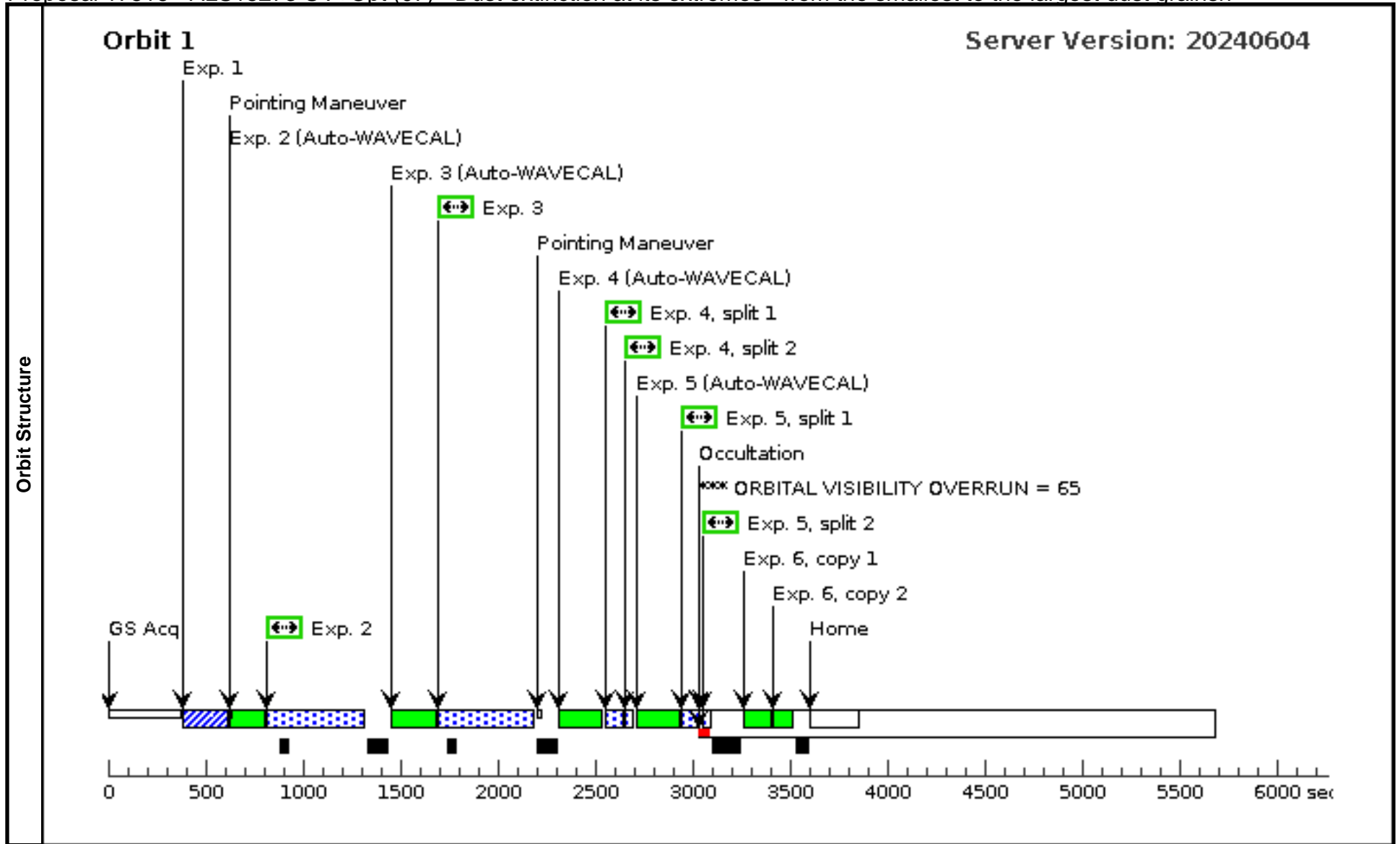
Visit	Proposal 17516, ALS6213 UV+Opt (06), scheduling Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA Special Requirements: (none) <i>Comments: BOT warning is for the science target. The science target is not a O5V star as assumed by default by the BOT, but a B1V star. This was determined during the target selection based on Gaia BP/RP spectra. ETC calculation shows this target is safe to observe.</i>																																																																														
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(6)</td> <td>ALS6213</td> <td>RA: 00 28 11.1464 (7.0464433d) Dec: +64 07 51.81 (64.13106d) Equinox: J2000</td> <td>Proper Motion RA: -3.5616543938515747E-4 sec of time/yr Proper Motion Dec: - 0.0014619999546994222 arcsec/yr Epoch of Position: 2015.5</td> <td>V=11.11</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[B0-B2 V-IV] Extended=NO</p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(6)	ALS6213	RA: 00 28 11.1464 (7.0464433d) Dec: +64 07 51.81 (64.13106d) Equinox: J2000	Proper Motion RA: -3.5616543938515747E-4 sec of time/yr Proper Motion Dec: - 0.0014619999546994222 arcsec/yr Epoch of Position: 2015.5	V=11.11	Reference Frame: ICRS																																																									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																																																									
(6)	ALS6213	RA: 00 28 11.1464 (7.0464433d) Dec: +64 07 51.81 (64.13106d) Equinox: J2000	Proper Motion RA: -3.5616543938515747E-4 sec of time/yr Proper Motion Dec: - 0.0014619999546994222 arcsec/yr Epoch of Position: 2015.5	V=11.11	Reference Frame: ICRS																																																																										
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#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																																																						
1	ACQ (6) ALS6213 (STIS.ta.189 1801)	(6) ALS6213	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]																																																																						
2	STIS/G140L (6) ALS6213 (STIS.sp.18 91803)	(6) ALS6213	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				665 Secs (665 Secs) [==>]	[1]																																																																						
3	STIS/G230L (6) ALS6213 (STIS.sp.18 91804)	(6) ALS6213	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				463.0 Secs (463 Secs) [==>]	[1]																																																																						
4	STIS/G430L (6) ALS6213 (STIS.sp.18 91961)	(6) ALS6213	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				28.4 Secs (28.4 Secs) [==>(Split 1)] [==>(Split 2)]	[1]																																																																						
5	STIS/G750L (6) ALS6213 (STIS.sp.18 91962)	(6) ALS6213	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				10.8 Secs (10.8 Secs) [==>(Split 1)] [==>(Split 2)]	[1]																																																																						
6	CCDFLAT (6) ALS6213	(6) ALS6213	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]																																																																						



Proposal 17516 - ALS15273 UV+Opt (07) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:44 GMT 2024

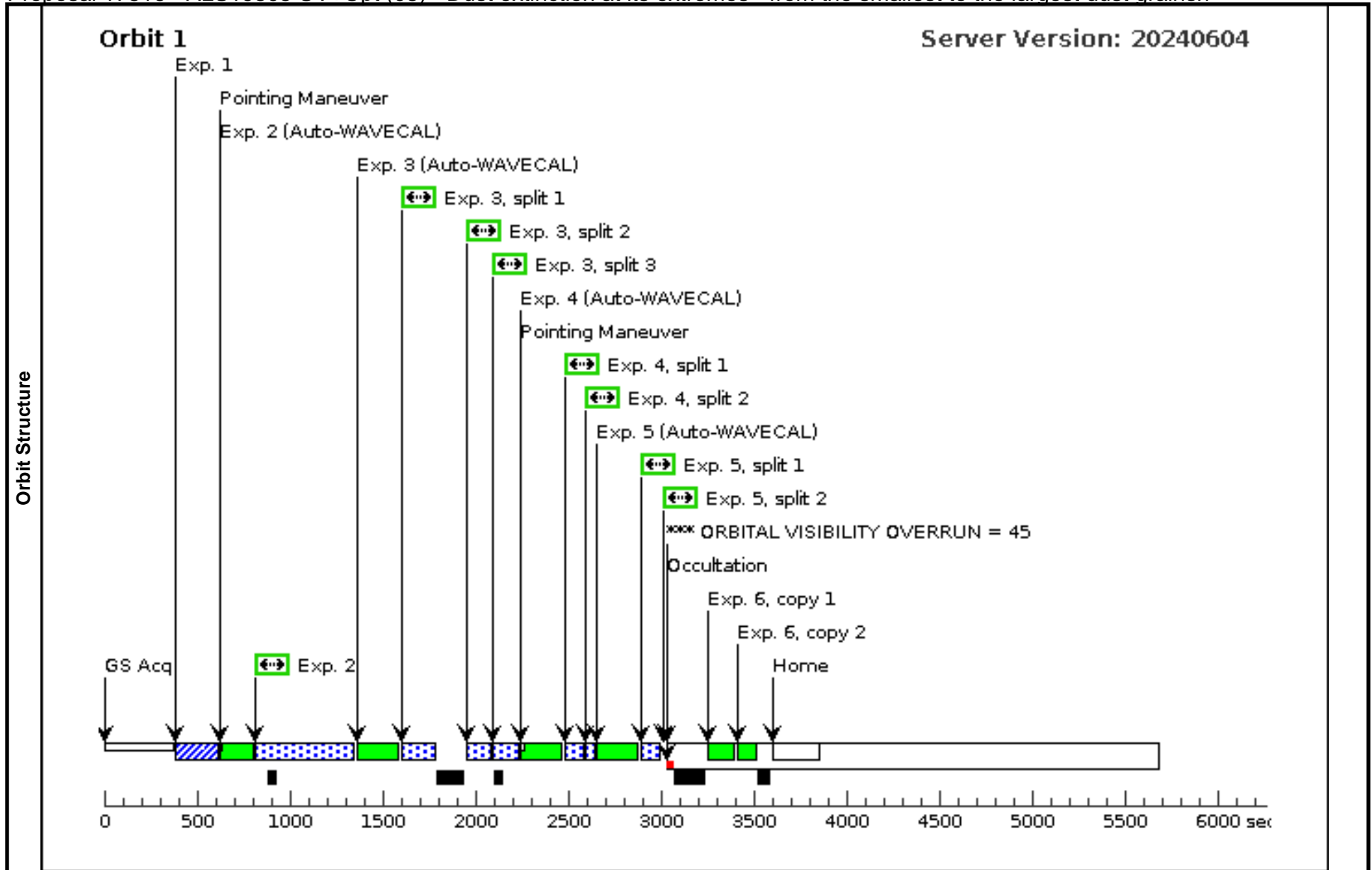
Visit	<p>Proposal 17516, ALS15273 UV+Opt (07), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA</p> <p>Special Requirements: (none)</p> <p><i>Comments: BOT warning is for the science target. The science target is not a O5V star as assumed by default by the BOT, but a B2V star. This was determined during the target selection based on Gaia BP/RP spectra. ETC calculation shows this target is safe to observe.</i></p>									
	<p>(ALS15273 UV+Opt (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p>									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	ALS15273	RA: 20 19 14.7126 (304.8113025d) Dec: +39 09 0.60 (39.15017d) Equinox: J2000	Proper Motion RA: -2.2686617428222623E-4 sec of time/yr Proper Motion Dec: -0.005238999915491149 arcsec/yr Epoch of Position: 2015.5	V=11.01	Reference Frame: ICRS				
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p>Category=STAR Description=[B0-B2 V-IV] Extended=NO</p>										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ (STIS.ta.189 9556)	(7) ALS15273	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	2	STIS/G140L (STIS.sp.18 99552)	(7) ALS15273	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				450 Secs (450 Secs) [==>]	[1]
	3	STIS/G230L (STIS.sp.18 99553)	(7) ALS15273	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				450 Secs (450 Secs) [==>]	[1]
	4	STIS/G430L (STIS.sp.18 99548)	(7) ALS15273	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				17.2 Secs (17.2 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5	STIS/G750L (STIS.sp.18 99549)	(7) ALS15273	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				13.8 Secs (13.8 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	6	CCDFLAT	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17516 - ALS19805 UV+Opt (08) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:44 GMT 2024

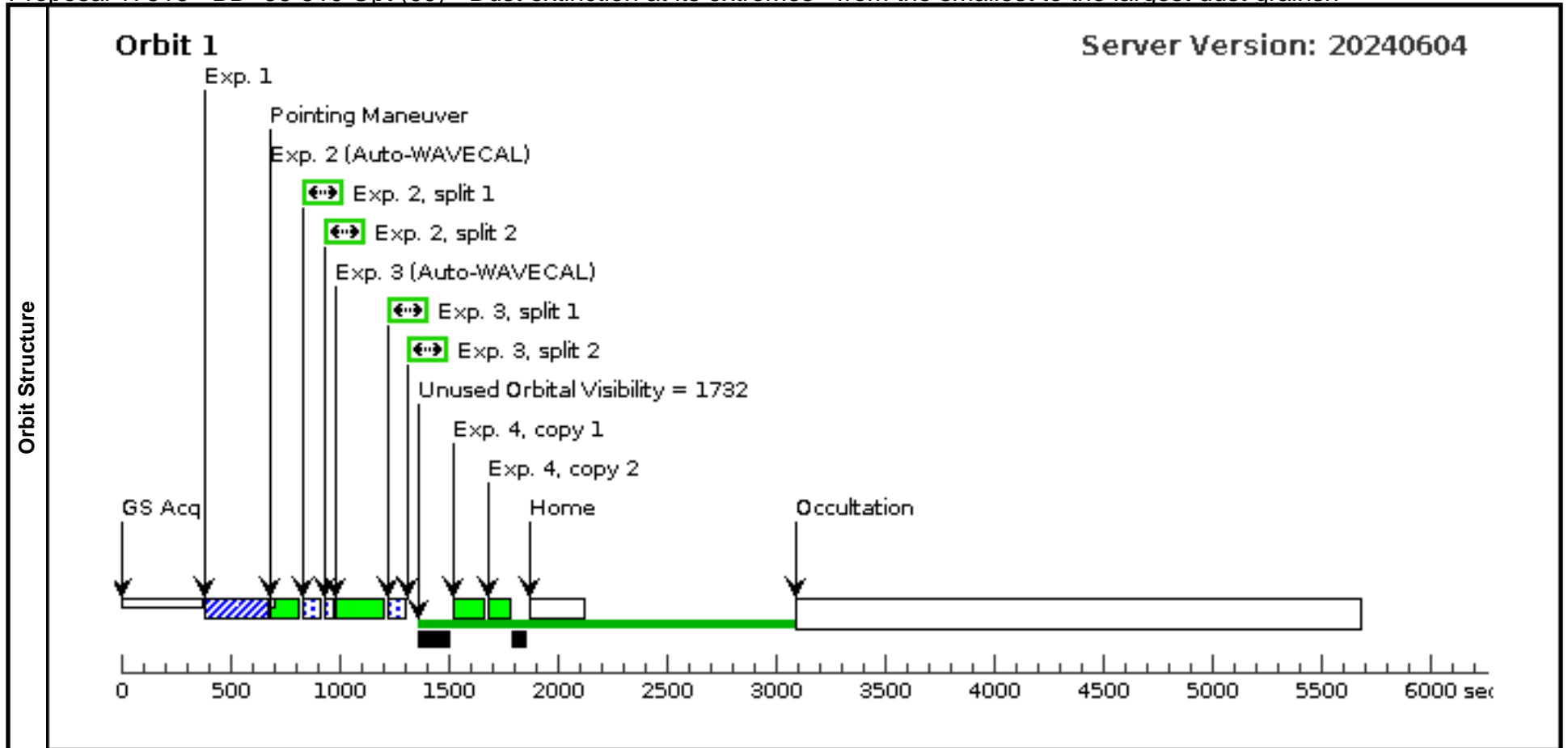
Visit	Proposal 17516, ALS19805 UV+Opt (08), scheduling Diagnostic Status: Warning Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: (none)									
	Diagnosics (ALS19805 UV+Opt (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(8)	ALS19805	RA: 07 52 20.0871 (118.0836963d) Dec: -27 04 56.18 (-27.08227d) Equinox: J2000	Proper Motion RA: -1.9026146295515267E-4 V=11.97 sec of time/yr Proper Motion Dec: 0.003399 arcsec/yr Epoch of Position: 2015.5			Reference Frame: ICRS			
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[MAIN SEQUENCE O] 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 (STIS.ta.189 1829)	(8) ALS19805	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	2	STIS/G140L (STIS.sp.18 91832)	(8) ALS19805	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				480 Secs (480 Secs) [==>]	[1]
	3	STIS/G230L B (STIS.sp.19 24924)	(8) ALS19805	STIS/CCD, ACCUM, 52X2	G230LB 2375 A	CR-SPLIT=3			300 Secs (300 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
	4	STIS/G430L (STIS.sp.18 91827)	(8) ALS19805	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				33.4 Secs (33.4 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5	STIS/G750L (STIS.sp.18 91830)	(8) ALS19805	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				39.6 Secs (39.6 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	6	CCDFLAT	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17516 - BD+56-510 Opt (09) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

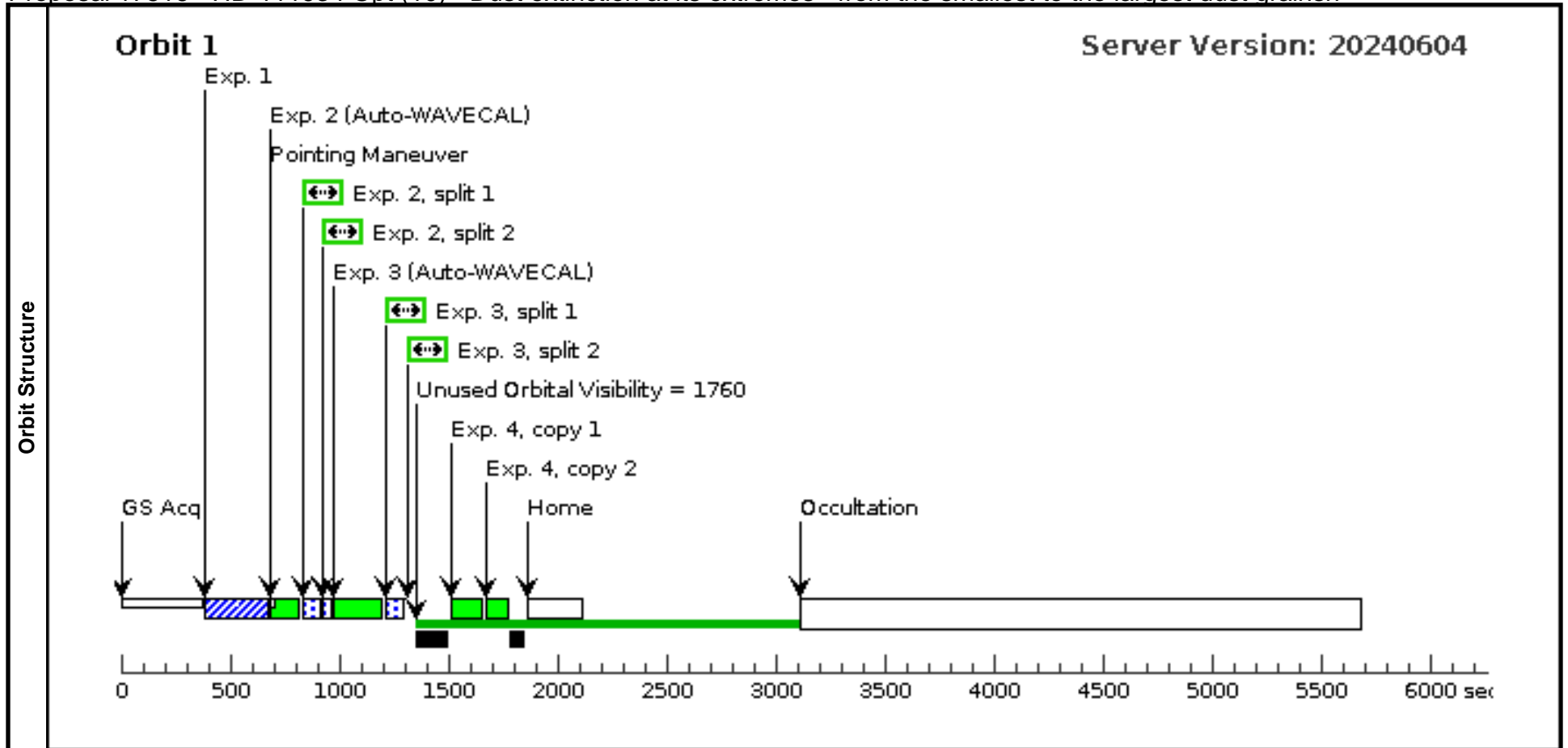
Fri Jun 28 21:00:44 GMT 2024

Visit	Proposal 17516, BD+56-510 Opt (09), scheduled Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(9)	BD+56-510	RA: 02 18 47.7725 (34.6990521d) Dec: +57 08 6.73 (57.13520d) Equinox: J2000	Proper Motion RA: -8.329363898044934E-5 sec of time/yr Proper Motion Dec: -9.649999583416502E-4 arcsec/yr Epoch of Position: 2015.5	V=9.32	Reference Frame: ICRS			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[B3-B5 V-IV] 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 (STIS.ta.192 3555)	(9) BD+56-510	STIS/CCD, ACQ, F25ND3	MIRROR				0.5 Secs (0.5 Secs)	
									[==>]	[1]
	2	STIS/G430L (STIS.sp.19 23559)	(9) BD+56-510	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				2.2 Secs (2.2 Secs)	
									[==>(Split 1)] [==>(Split 2)]	[1]
3	STIS/G750L (STIS.sp.19 23558)	(9) BD+56-510	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				4.6 Secs (4.6 Secs)		
								[==>(Split 1)] [==>(Split 2)]	[1]	
4	CCDFLAT	CCDFLAT	(9) BD+56-510	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17516 - HD-111934 Opt (10) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

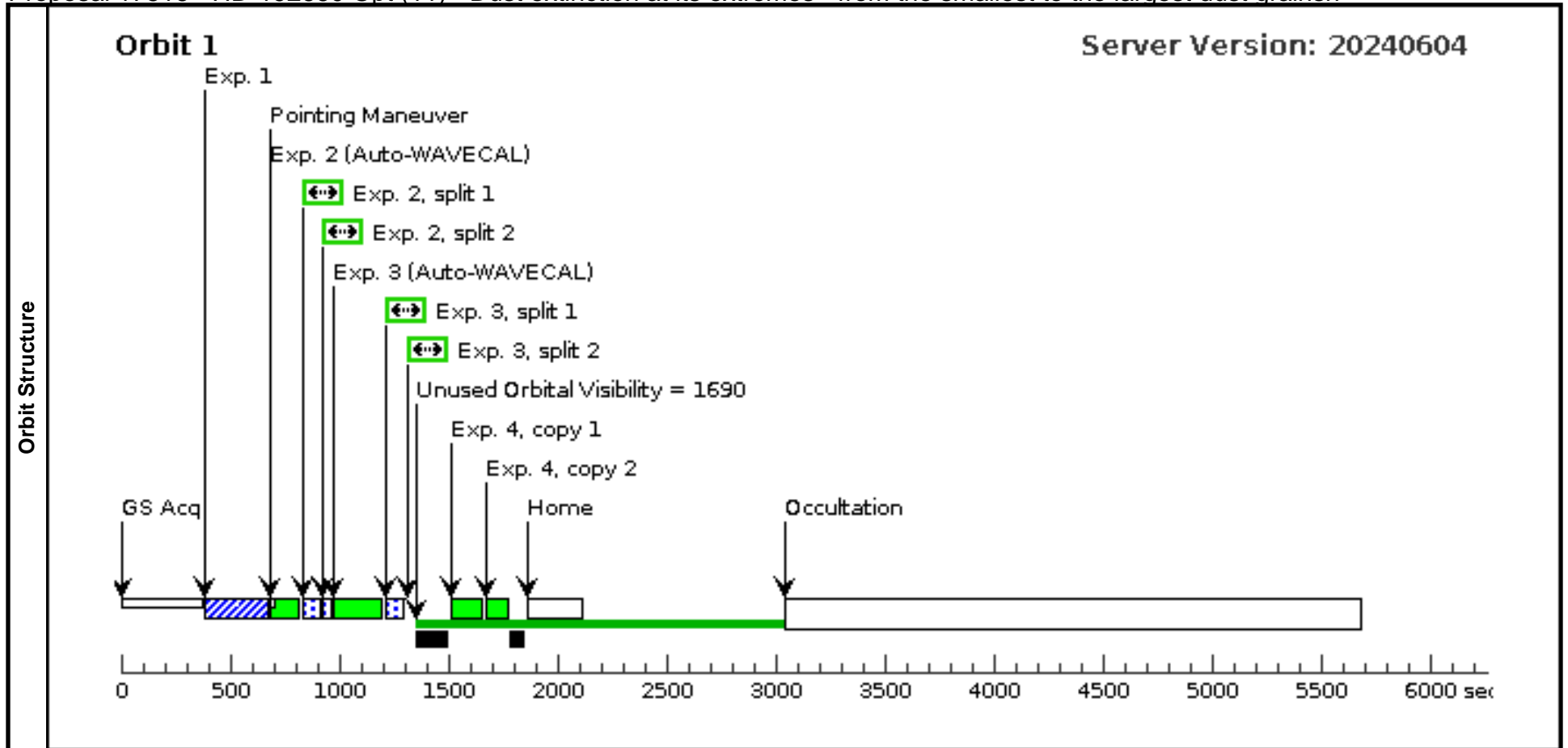
Visit	Proposal 17516, HD-111934 Opt (10), completed Fri Jun 28 21:00:44 GMT 2024 Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none)																																																											
Fixed Targets	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(10)</td> <td>HD-111934</td> <td>RA: 12 53 37.6095 (193.4067063d) Dec: -60 21 25.44 (-60.35707d) Equinox: J2000</td> <td>Proper Motion RA: -6.349998880179655E-4 sec of time/yr Proper Motion Dec: -9.399999498782563E-4 arcsec/yr Epoch of Position: 2015.5</td> <td>V=6.84</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[B0-B2 III-I] Extended=NO</p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(10)	HD-111934	RA: 12 53 37.6095 (193.4067063d) Dec: -60 21 25.44 (-60.35707d) Equinox: J2000	Proper Motion RA: -6.349998880179655E-4 sec of time/yr Proper Motion Dec: -9.399999498782563E-4 arcsec/yr Epoch of Position: 2015.5	V=6.84	Reference Frame: ICRS																																						
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																																							
(10)	HD-111934	RA: 12 53 37.6095 (193.4067063d) Dec: -60 21 25.44 (-60.35707d) Equinox: J2000	Proper Motion RA: -6.349998880179655E-4 sec of time/yr Proper Motion Dec: -9.399999498782563E-4 arcsec/yr Epoch of Position: 2015.5	V=6.84	Reference Frame: ICRS																																																							
Exposures	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ (STIS.ta.189 1848)</td> <td>(10) HD-111934</td> <td>STIS/CCD, ACQ, F25ND3</td> <td>MIRROR</td> <td></td> <td></td> <td></td> <td>0.1 Secs (0.1 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>STIS/G430L (STIS.sp.18 91849)</td> <td>(10) HD-111934</td> <td>STIS/CCD, ACCUM, 52X2E1</td> <td>G430L 4300 A</td> <td></td> <td></td> <td></td> <td>0.4 Secs (0.4 Secs) [==>(Split 1)] [==>(Split 2)]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>STIS/G750L (STIS.sp.18 91851)</td> <td>(10) HD-111934</td> <td>STIS/CCD, ACCUM, 52X2E1</td> <td>G750L 7751 A</td> <td></td> <td></td> <td></td> <td>0.4 Secs (0.4 Secs) [==>(Split 1)] [==>(Split 2)]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>CCDFLAT</td> <td>CCDFLAT</td> <td>STIS/CCD, ACCUM, 52X0.1</td> <td>G750L 7751 A</td> <td></td> <td></td> <td></td> <td>[==>(Copy 1)] [==>(Copy 2)]</td> <td>[1]</td> </tr> </tbody> </table>										#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	ACQ (STIS.ta.189 1848)	(10) HD-111934	STIS/CCD, ACQ, F25ND3	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]	2	STIS/G430L (STIS.sp.18 91849)	(10) HD-111934	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				0.4 Secs (0.4 Secs) [==>(Split 1)] [==>(Split 2)]	[1]	3	STIS/G750L (STIS.sp.18 91851)	(10) HD-111934	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				0.4 Secs (0.4 Secs) [==>(Split 1)] [==>(Split 2)]	[1]	4	CCDFLAT	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																																			
1	ACQ (STIS.ta.189 1848)	(10) HD-111934	STIS/CCD, ACQ, F25ND3	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]																																																			
2	STIS/G430L (STIS.sp.18 91849)	(10) HD-111934	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				0.4 Secs (0.4 Secs) [==>(Split 1)] [==>(Split 2)]	[1]																																																			
3	STIS/G750L (STIS.sp.18 91851)	(10) HD-111934	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				0.4 Secs (0.4 Secs) [==>(Split 1)] [==>(Split 2)]	[1]																																																			
4	CCDFLAT	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]																																																			



Proposal 17516 - HD-192660 Opt (11) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

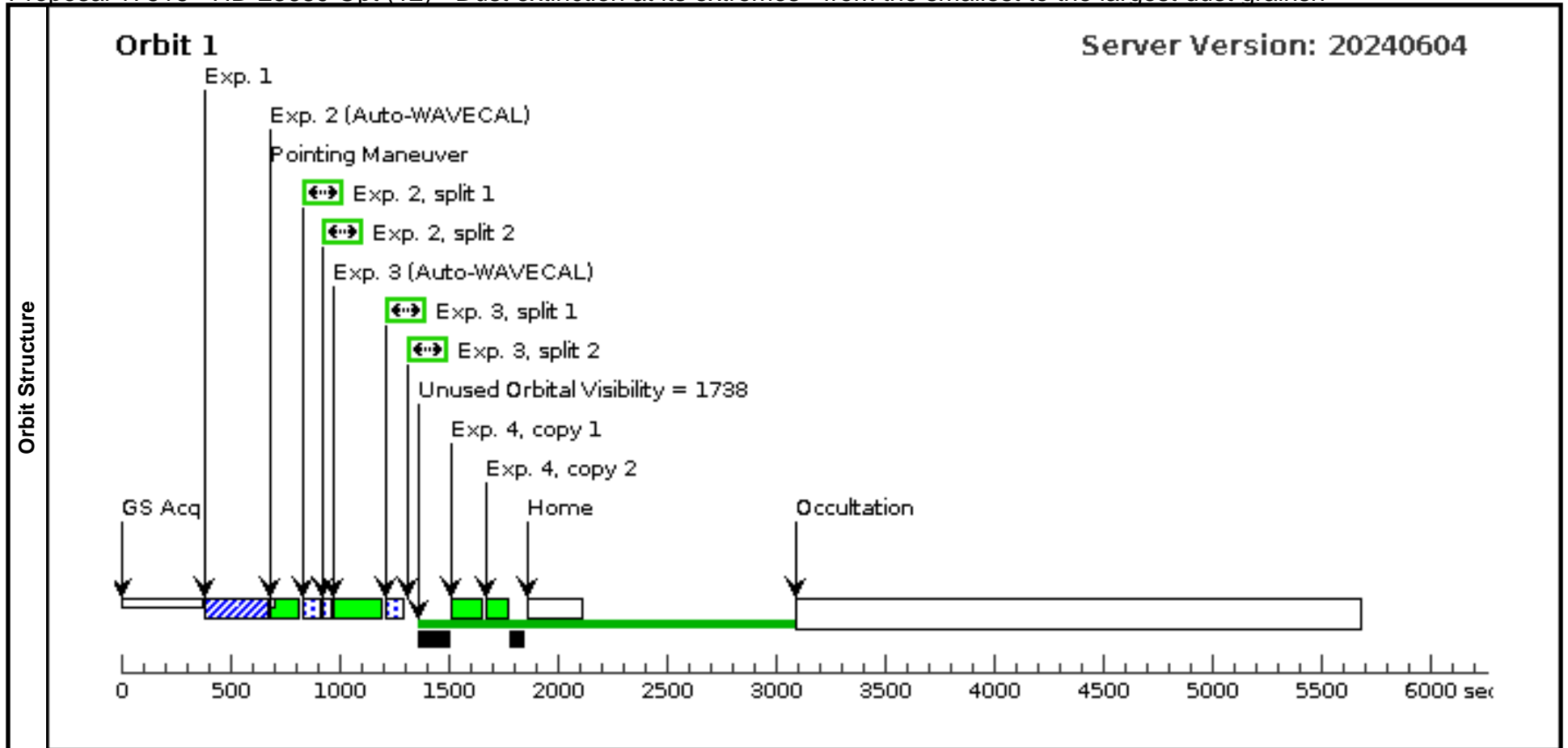
Fri Jun 28 21:00:44 GMT 2024

Visit	Proposal 17516, HD-192660 Opt (11), completed Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(11)	HD-192660	RA: 20 14 26.0772 (303.6086550d) Dec: +40 19 44.96 (40.32916d) Equinox: J2000	Proper Motion RA: -2.7415621374854605E-4 sec of time/yr Proper Motion Dec: - 0.0056610000910950475 arcsec/yr Epoch of Position: 2015.5	V=7.56	Reference Frame: ICRS			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[B0-B2 III-I] 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 (STIS.ta.189 1852)	(11) HD-192660	STIS/CCD, ACQ, F25ND3	MIRROR				0.1 Secs (0.1 Secs)	
									[==>]	[1]
	2	STIS/G430L (STIS.sp.18 91856)	(11) HD-192660	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				0.8 Secs (0.8 Secs)	
									[==>(Split 1)] [==>(Split 2)]	[1]
3	STIS/G750L (STIS.sp.18 91855)	(11) HD-192660	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				0.6 Secs (0.6 Secs)		
								[==>(Split 1)] [==>(Split 2)]	[1]	
4	CCDFLAT	CCDFLAT	(11) HD-192660	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17516 - HD-23689 Opt (12) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

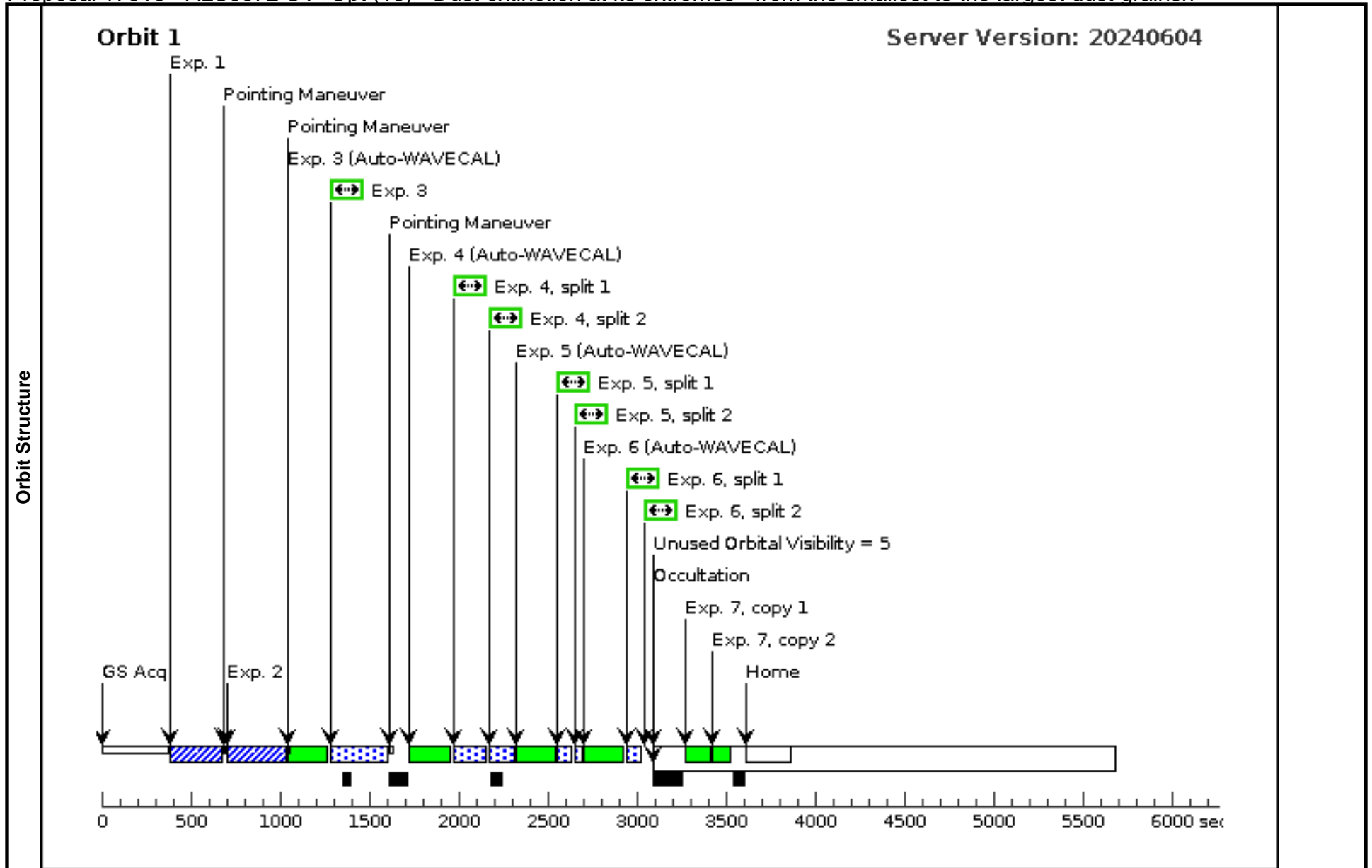
Visit	Proposal 17516, HD-23689 Opt (12), completed Fri Jun 28 21:00:44 GMT 2024 Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none)																					
	Fixed Targets	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(12)</td> <td>HD-239689</td> <td>RA: 21 30 45.9227 (322.6913446d) Dec: +57 12 0.09 (57.20003d) Equinox: J2000</td> <td>Proper Motion RA: -2.4835035397101596E-4 sec of time/yr Proper Motion Dec: -0.004497999975683342 arcsec/yr Epoch of Position: 2015.5</td> <td>V=8.83</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[B3-B5 V-IV] Extended=NO</p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(12)	HD-239689	RA: 21 30 45.9227 (322.6913446d) Dec: +57 12 0.09 (57.20003d) Equinox: J2000	Proper Motion RA: -2.4835035397101596E-4 sec of time/yr Proper Motion Dec: -0.004497999975683342 arcsec/yr Epoch of Position: 2015.5	V=8.83
#		Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																
(12)	HD-239689	RA: 21 30 45.9227 (322.6913446d) Dec: +57 12 0.09 (57.20003d) Equinox: J2000	Proper Motion RA: -2.4835035397101596E-4 sec of time/yr Proper Motion Dec: -0.004497999975683342 arcsec/yr Epoch of Position: 2015.5	V=8.83	Reference Frame: ICRS																	
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit												
	1	ACQ (STIS.ta.189 1859)	(12) HD-239689	STIS/CCD, ACQ, F25ND3	MIRROR				0.3 Secs (0.3 Secs) [==>]	[1]												
	2	STIS/G430L (STIS.sp.18 91860)	(12) HD-239689	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				1.6 Secs (1.6 Secs) [==>(Split 1)] [==>(Split 2)]	[1]												
	3	STIS/G750L (STIS.sp.18 91861)	(12) HD-239689	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				2.6 Secs (2.6 Secs) [==>(Split 1)] [==>(Split 2)]	[1]												
	4	CCDFLAT	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]												



Proposal 17516 - ALS6672 UV+Opt (13) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:44 GMT 2024

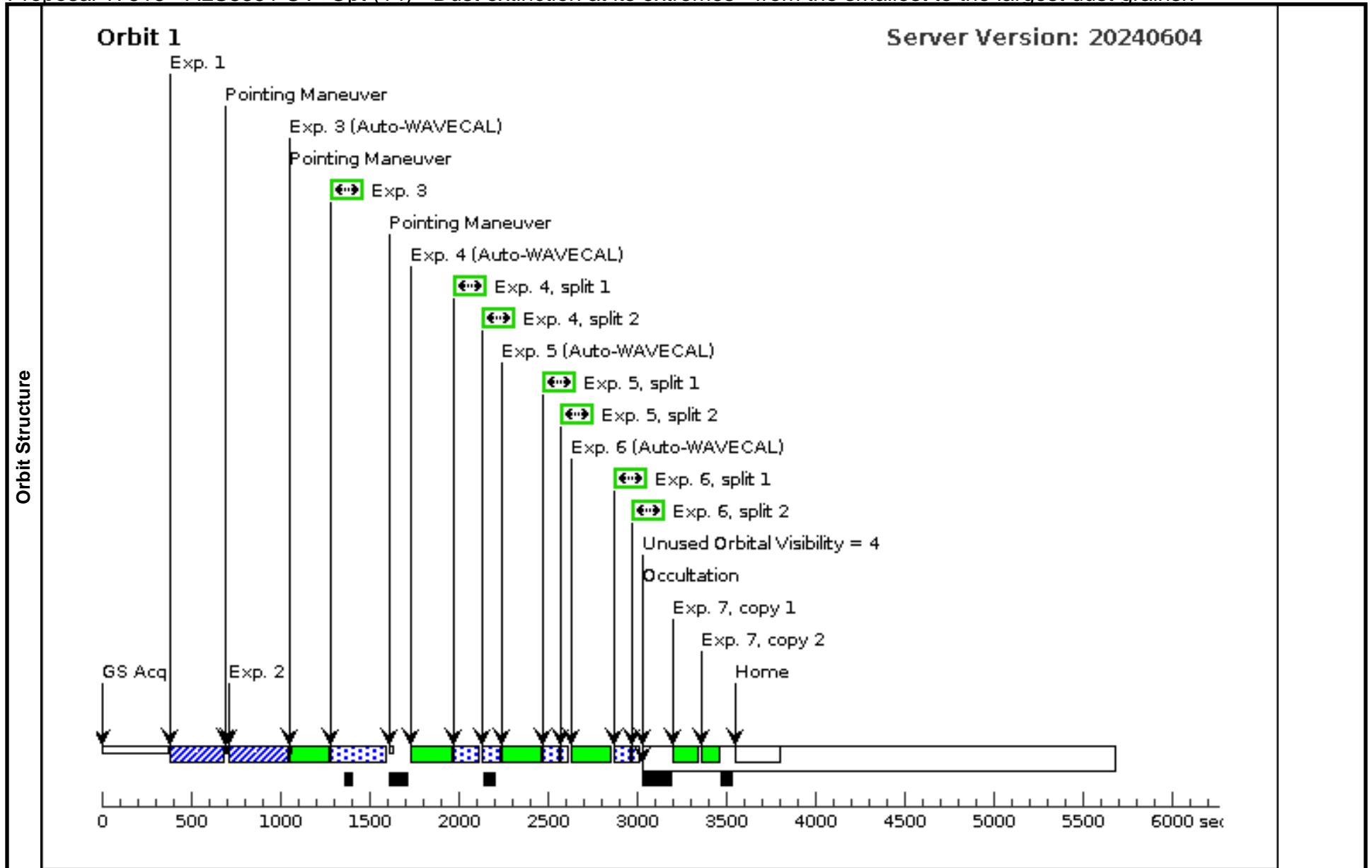
Visit	Proposal 17516, ALS6672 UV+Opt (13), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(13)	ALS6672	RA: 01 39 39.4728 (24.9144700d) Dec: +57 49 47.25 (57.82979d) Equinox: J2000	Proper Motion RA: -1.349770487420792E-4 sec of time/yr Proper Motion Dec: -7.790000836394029E-4 arcsec/yr Epoch of Position: 2015.5	V=10.02	Reference Frame: ICRS			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[B0-B2 V-IV] 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 (STIS.ta.189 1907)	(13) ALS6672	STIS/CCD, ACQ, F25ND3	MIRROR				0.8 Secs (0.8 Secs)	
									[==>]	[1]
	2	ACQ/Peaku p (STIS.ta.189 1908)	(13) ALS6672	STIS/CCD, ACQ/PEAK, 31X0.05NDB	MIRROR				0.2 Secs (0.2 Secs)	
									[==>]	[1]
	3	STIS/G140L (STIS.sp.18 99881)	(13) ALS6672	STIS/FUV-MAMA, ACCUM, 31X0.05NDB	G140L 1425 A				250 Secs (250 Secs)	
									[==>]	[1]
	4	STIS/G230L B (STIS.sp.18 91864)	(13) ALS6672	STIS/CCD, ACCUM, 52X2E1	G230LB 2375 A				200 Secs (200 Secs)	
								[==>(Split 1)] [==>(Split 2)]	[1]	
5	STIS/G430L (STIS.sp.18 91865)	(13) ALS6672	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				4.2 Secs (4.2 Secs)		
								[==>(Split 1)] [==>(Split 2)]	[1]	
6	STIS/G750L (STIS.sp.18 91866)	(13) ALS6672	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				7.0 Secs (7 Secs)		
								[==>(Split 1)] [==>(Split 2)]	[1]	
7	CCDFLAT	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	



Proposal 17516 - ALS8351 UV+Opt (14) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:44 GMT 2024

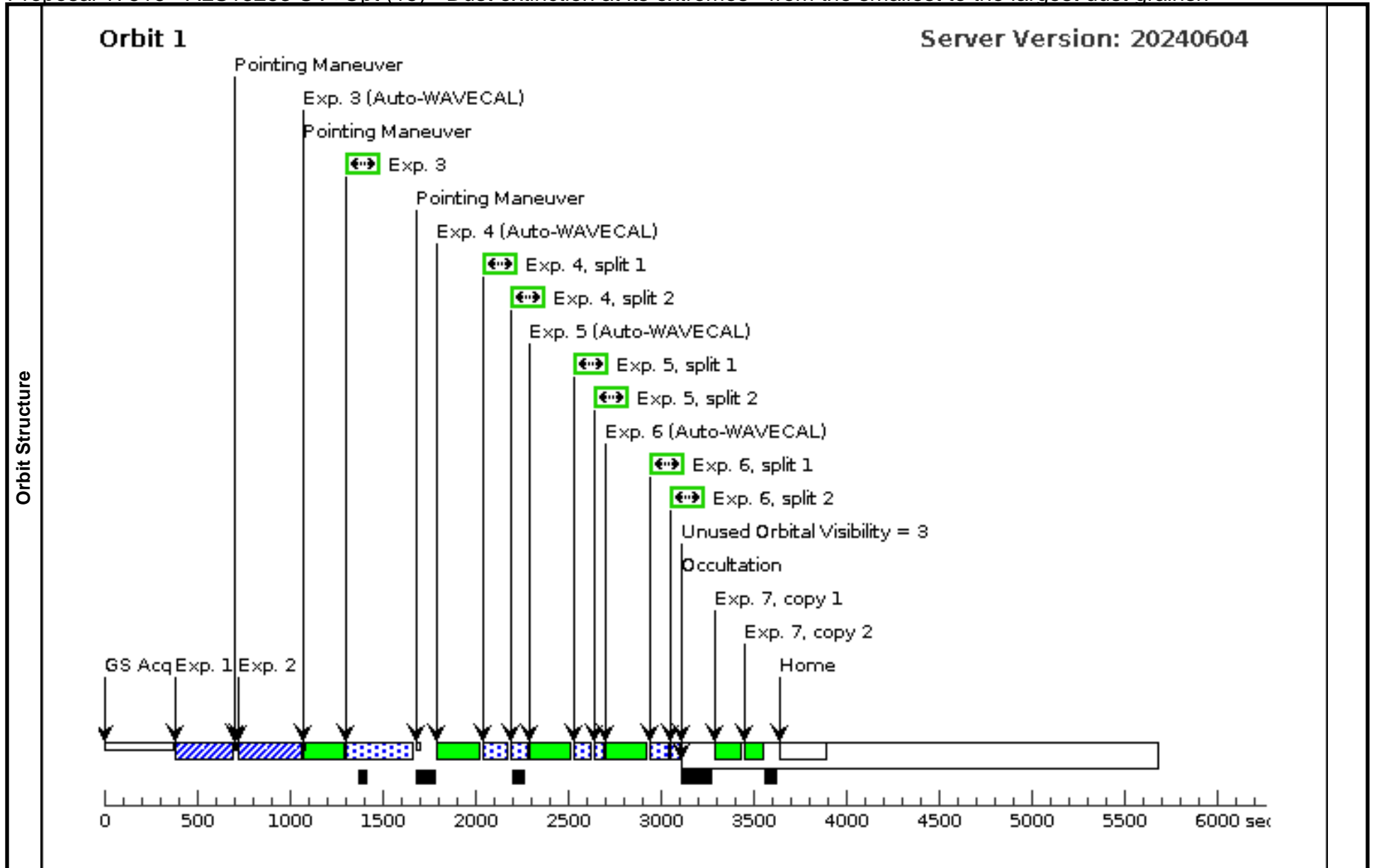
Visit	Proposal 17516, ALS8351 UV+Opt (14), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: (none)										
	Fixed Targets	# Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous (14) ALS8351 RA: 05 27 16.7828 (81.8199283d) Dec: +34 30 56.80 (34.51578d) Equinox: J2000 Proper Motion RA: 1.77999965443005E-6 sec V=10.98 of time/yr Proper Motion Dec: - 0.0021289999267537496 arcsec/yr Epoch of Position: 2015.5 Reference Frame: ICRS Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[B0-B2 V-IV] 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 (14) ALS8351 (STIS.ta.189 1868)	(14) ALS8351	STIS/CCD, ACQ, F25ND3	MIRROR					1.9 Secs (1.9 Secs) [==>]	[1]
	2	ACQ/Peaku p (14) ALS8351 (STIS.ta.189 1870)	(14) ALS8351	STIS/CCD, ACQ/PEAK, 31X0.05NDA	MIRROR					0.4 Secs (0.4 Secs) [==>]	[1]
	3	STIS/G140L (14) ALS8351 (STIS.sp.18 91869)	(14) ALS8351	STIS/FUV-MAMA, ACCUM, 31X0.05NDA	G140L 1425 A					250 Secs (250 Secs) [==>]	[1]
	4	STIS/G230L B (14) ALS8351 (STIS.sp.18 91871)	(14) ALS8351	STIS/CCD, ACCUM, 52X2E1	G230LB 2375 A					120 Secs (120 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5	STIS/G430L (14) ALS8351 (STIS.sp.18 91872)	(14) ALS8351	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A					10.8 Secs (10.8 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	6	STIS/G750L (14) ALS8351 (STIS.sp.18 91873)	(14) ALS8351	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A					16.2 Secs (16.2 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	7	CCDFLAT (14) ALS8351	(14) ALS8351	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A					[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17516 - ALS13253 UV+Opt (15) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:44 GMT 2024

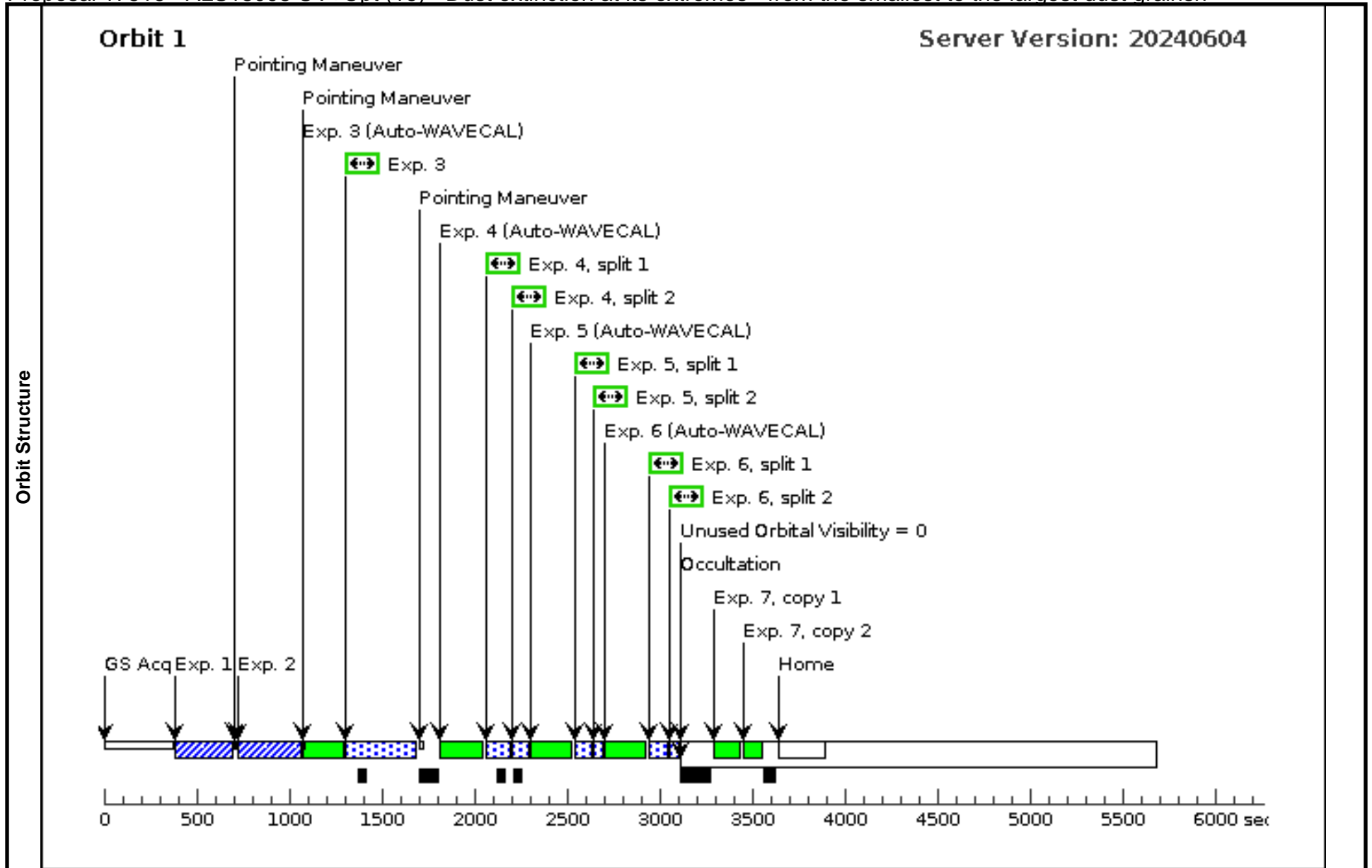
Visit	Proposal 17516, ALS13253 UV+Opt (15), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: (none)																					
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(15)</td> <td>ALS13253</td> <td>RA: 23 52 45.1006 (358.1879192d) Dec: +61 09 52.58 (61.16461d) Equinox: J2000</td> <td>Proper Motion RA: -4.97344361724559E-4 sec of time/yr Proper Motion Dec: - 0.0018239999462821288 arcsec/yr Epoch of Position: 2015.5</td> <td>V=11.8</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[B0-B2 V-IV] Extended=NO</p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(15)	ALS13253	RA: 23 52 45.1006 (358.1879192d) Dec: +61 09 52.58 (61.16461d) Equinox: J2000	Proper Motion RA: -4.97344361724559E-4 sec of time/yr Proper Motion Dec: - 0.0018239999462821288 arcsec/yr Epoch of Position: 2015.5	V=11.8
#		Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																
(15)	ALS13253	RA: 23 52 45.1006 (358.1879192d) Dec: +61 09 52.58 (61.16461d) Equinox: J2000	Proper Motion RA: -4.97344361724559E-4 sec of time/yr Proper Motion Dec: - 0.0018239999462821288 arcsec/yr Epoch of Position: 2015.5	V=11.8	Reference Frame: ICRS																	
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit												
	1	ACQ (STIS.ta.189 1875)	(15) ALS13253	STIS/CCD, ACQ, F25ND3	MIRROR				4 Secs (4 Secs) [==>]	[1]												
	2	ACQ/Peaku p (STIS.ta.189 1879)	(15) ALS13253	STIS/CCD, ACQ/PEAK, 31X0.05NDA	MIRROR				0.9 Secs (0.9 Secs) [==>]	[1]												
	3	STIS/G140L (STIS.sp.18 91877)	(15) ALS13253	STIS/FUV-MAMA, ACCUM, 31X0.05NDA	G140L 1425 A				300 Secs (300 Secs) [==>]	[1]												
	4	STIS/G230L B (STIS.sp.18 91880)	(15) ALS13253	STIS/CCD, ACCUM, 52X2E1	G230LB 2375 A				110 Secs (110 Secs) [==>(Split 1)] [==>(Split 2)]	[1]												
	5	STIS/G430L (STIS.sp.18 91881)	(15) ALS13253	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				23.6 Secs (23.6 Secs) [==>(Split 1)] [==>(Split 2)]	[1]												
	6	STIS/G750L (STIS.sp.18 91882)	(15) ALS13253	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				32.6 Secs (32.6 Secs) [==>(Split 1)] [==>(Split 2)]	[1]												
	7	CCDFLAT	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]												



Proposal 17516 - ALS18098 UV+Opt (16) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:44 GMT 2024

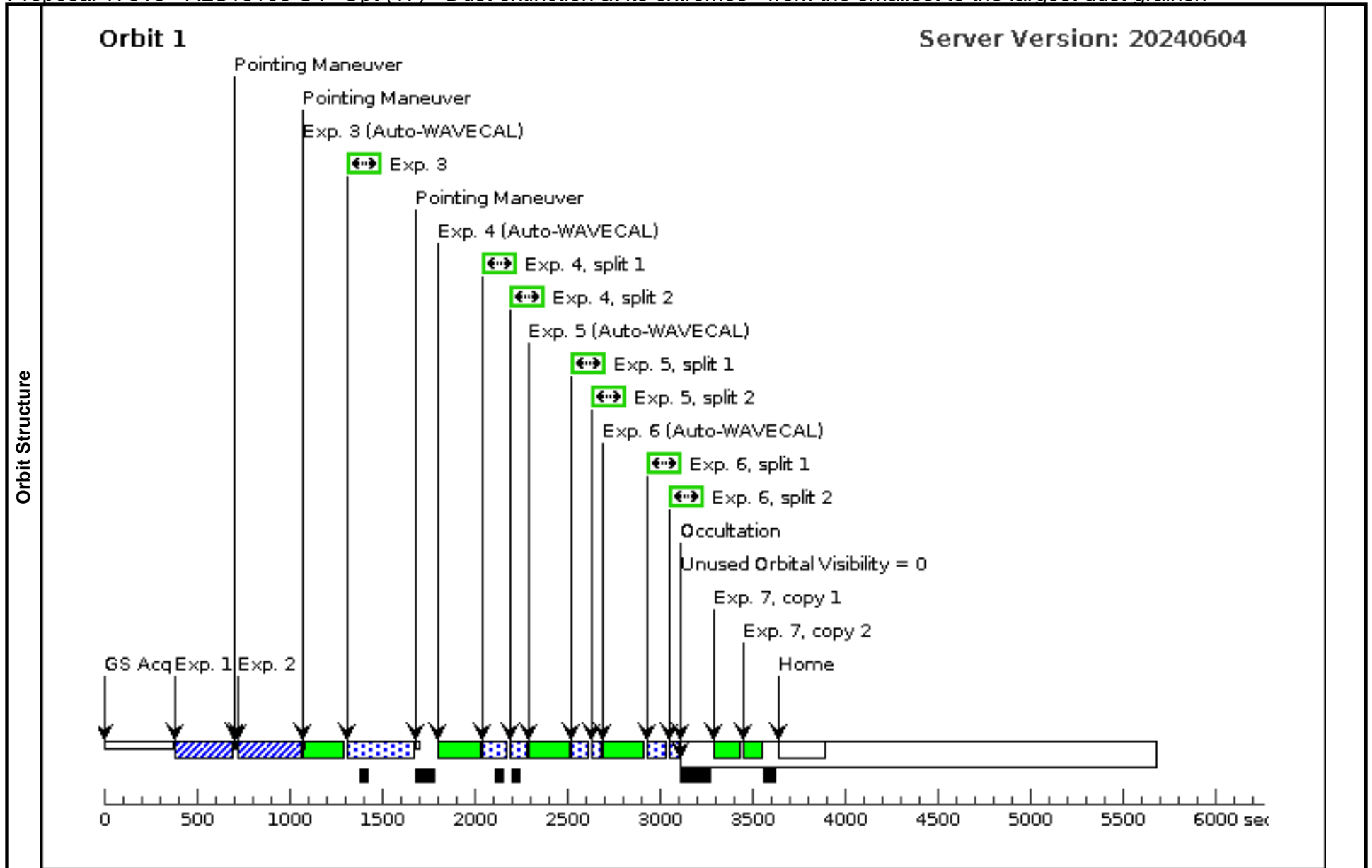
Visit	Proposal 17516, ALS18098 UV+Opt (16), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: (none)										
	Fixed Targets	# Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous (16) ALS18098 RA: 23 52 42.0139 (358.1750579d) Proper Motion RA: -3.8478856421527417E-4 V=11.77 Reference Frame: ICRS Dec: +61 06 17.27 (61.10480d) sec of time/yr Equinox: J2000 Proper Motion Dec: -0.0016560000858589774 arcsec/yr Epoch of Position: 2015.5 Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[B0-B2 V-IV] 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 (STIS.ta.189 1886)	(16) ALS18098	STIS/CCD, ACQ, F25ND3	MIRROR					4.0 Secs (4 Secs) [==>]	[1]
	2	ACQ/Peaku p (STIS.ta.189 1887)	(16) ALS18098	STIS/CCD, ACQ/PEAK, 31X0.05NDA	MIRROR					0.9 Secs (0.9 Secs) [==>]	[1]
	3	STIS/G140L (STIS.sp.18 91893)	(16) ALS18098	STIS/FUV-MAMA, ACCUM, 31X0.05NDA	G140L 1425 A					315 Secs (315 Secs) [==>]	[1]
	4	STIS/G230L B (STIS.sp.18 91894)	(16) ALS18098	STIS/CCD, ACCUM, 52X2E1	G230LB 2375 A					100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5	STIS/G430L (STIS.sp.18 91896)	(16) ALS18098	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A					22.0 Secs (22 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	6	STIS/G750L (STIS.sp.18 91897)	(16) ALS18098	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A					33.8 Secs (33.8 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	7	CCDFLAT	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A					[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17516 - ALS18106 UV+Opt (17) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:44 GMT 2024

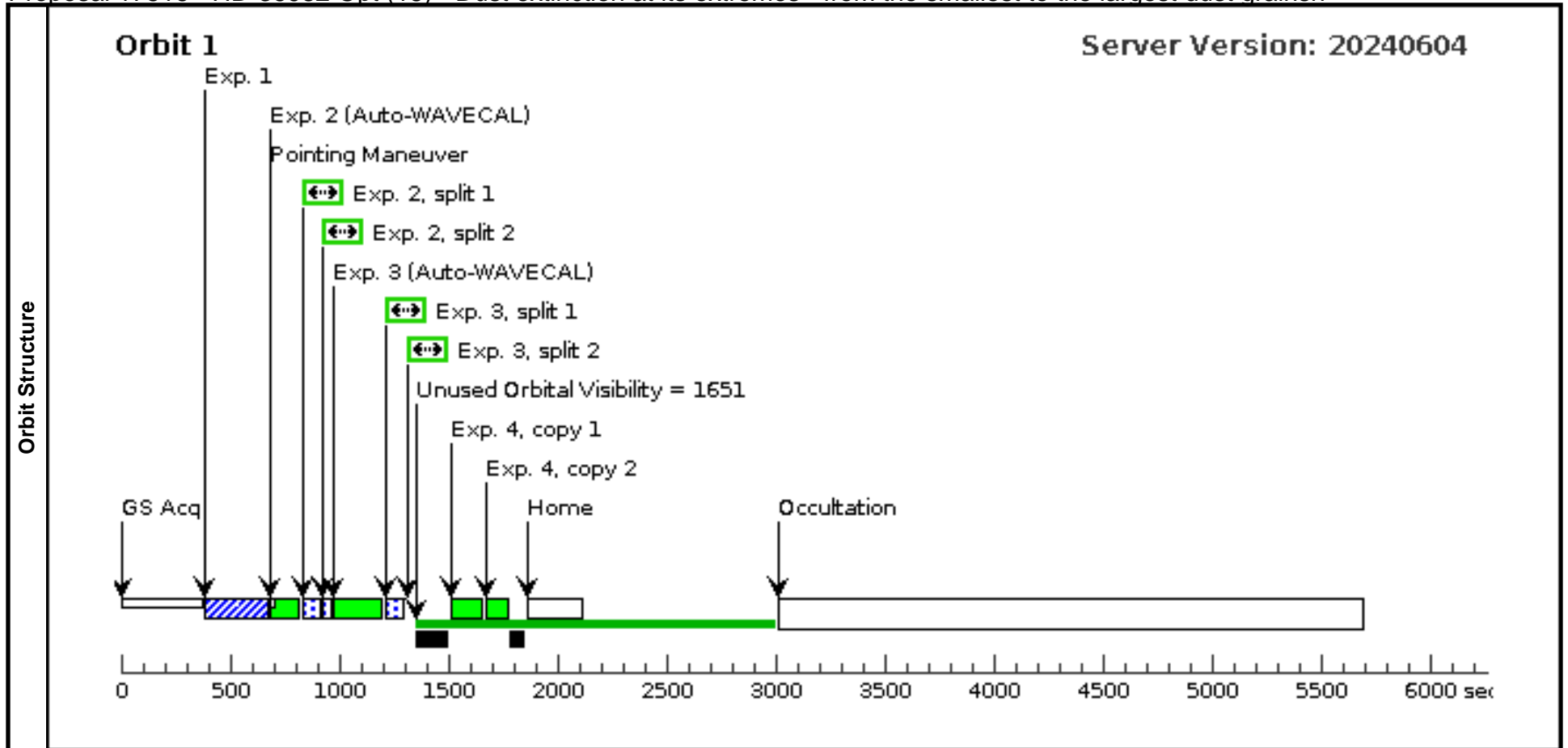
Visit	Proposal 17516, ALS18106 UV+Opt (17), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: (none)																					
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(17)</td> <td>ALS18106</td> <td>RA: 23 58 50.6048 (359.7108533d) Dec: +62 11 0.59 (62.18350d) Equinox: J2000</td> <td>Proper Motion RA: -3.431 mas/yr Proper Motion Dec: -2.01999998807878 mas/yr Epoch of Position: 2000</td> <td>V=11.92</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[B0-B2 V-IV] Extended=NO</p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(17)	ALS18106	RA: 23 58 50.6048 (359.7108533d) Dec: +62 11 0.59 (62.18350d) Equinox: J2000	Proper Motion RA: -3.431 mas/yr Proper Motion Dec: -2.01999998807878 mas/yr Epoch of Position: 2000	V=11.92
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																	
(17)	ALS18106	RA: 23 58 50.6048 (359.7108533d) Dec: +62 11 0.59 (62.18350d) Equinox: J2000	Proper Motion RA: -3.431 mas/yr Proper Motion Dec: -2.01999998807878 mas/yr Epoch of Position: 2000	V=11.92	Reference Frame: ICRS																	
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit												
	1	ACQ (STIS.ta.189 1898)	(17) ALS18106	STIS/CCD, ACQ, F25ND3	MIRROR				4.6 Secs (4.6 Secs) [==>]	[1]												
	2	ACQ/Peaku p (STIS.ta.189 1899)	(17) ALS18106	STIS/CCD, ACQ/PEAK, 31X0.05NDA	MIRROR				1.0 Secs (1 Secs) [==>]	[1]												
	3	STIS/G140L (STIS.sp.19 24925)	(17) ALS18106	STIS/FUV-MAMA, ACCUM, 31X0.05NDA	G140L 1425 A				300 Secs (300 Secs) [==>]	[1]												
	4	STIS/G230L B (STIS.sp.18 91901)	(17) ALS18106	STIS/CCD, ACCUM, 52X2E1	G230LB 2375 A				100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]												
	5	STIS/G430L (STIS.sp.18 91905)	(17) ALS18106	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				23.2 Secs (23.2 Secs) [==>(Split 1)] [==>(Split 2)]	[1]												
	6	STIS/G750L (STIS.sp.18 91903)	(17) ALS18106	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				42.8 Secs (42.8 Secs) [==>(Split 1)] [==>(Split 2)]	[1]												
	7	CCDFLAT	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]												



Proposal 17516 - HD-36982 Opt (18) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:45 GMT 2024

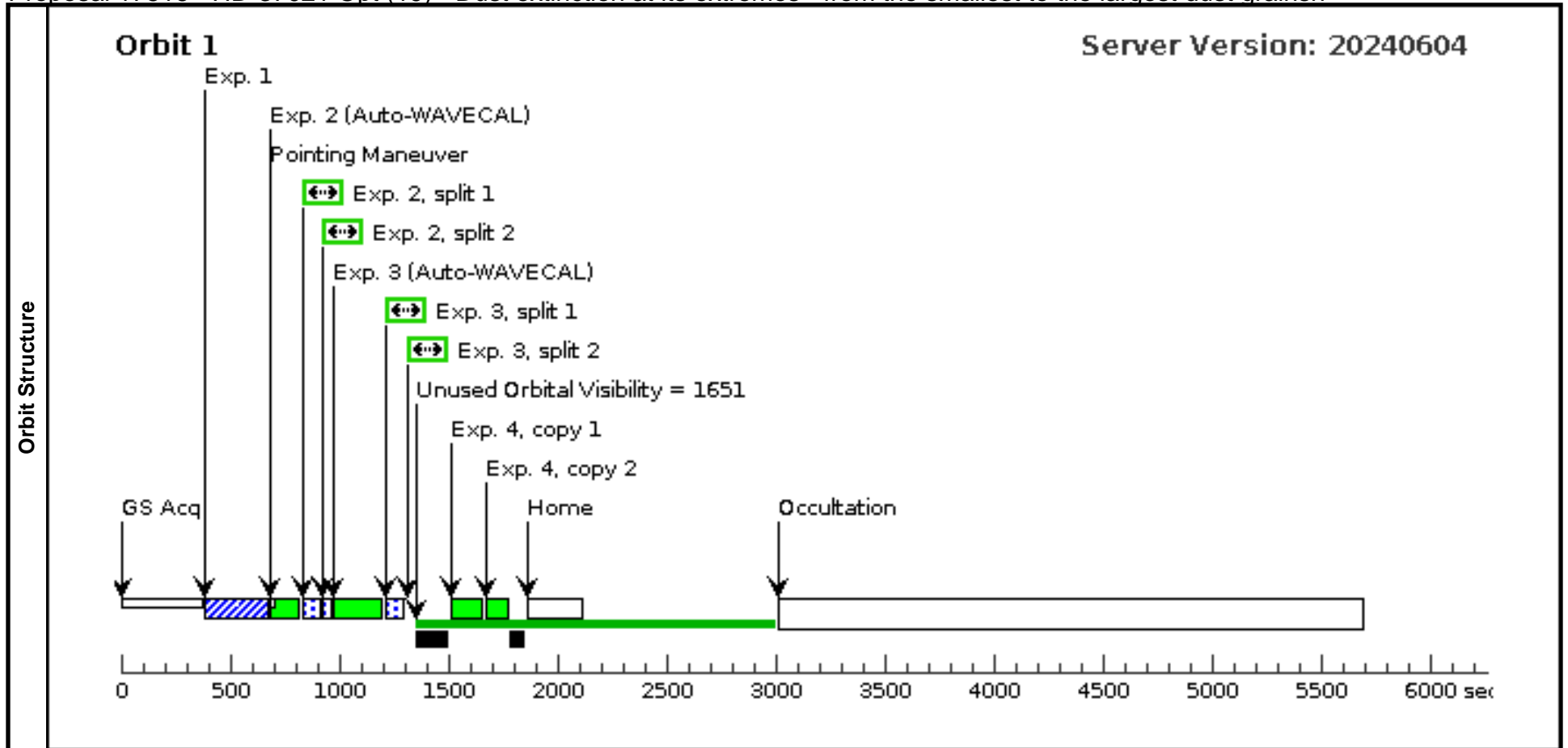
Visit	Proposal 17516, HD-36982 Opt (18), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(18)	HD-36982	RA: 05 35 9.8381 (83.7909921d) Dec: -05 27 53.19 (-5.46477d) Equinox: J2000	Proper Motion RA: 1.0842613705642019E-4 sec of time/yr Proper Motion Dec: 0.0017820000000000002 arcsec/yr Epoch of Position: 2015.5	V=8.46	Reference Frame: ICRS			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[B0-B2 V-IV] 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 (STIS.ta.189 1911)	(18) HD-36982	STIS/CCD, ACQ, F25ND3	MIRROR				0.2 Secs (0.2 Secs)	
									[==>]	[1]
	2	STIS/G430L (STIS.sp.18 91912)	(18) HD-36982	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				1.2 Secs (1.2 Secs)	
									[==>(Split 1)] [==>(Split 2)]	[1]
3	STIS/G750L (STIS.sp.18 91913)	(18) HD-36982	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				1.6 Secs (1.6 Secs)		
								[==>(Split 1)] [==>(Split 2)]	[1]	
4	CCDFLAT	CCDFLAT	(18) HD-36982	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17516 - HD-37021 Opt (19) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:45 GMT 2024

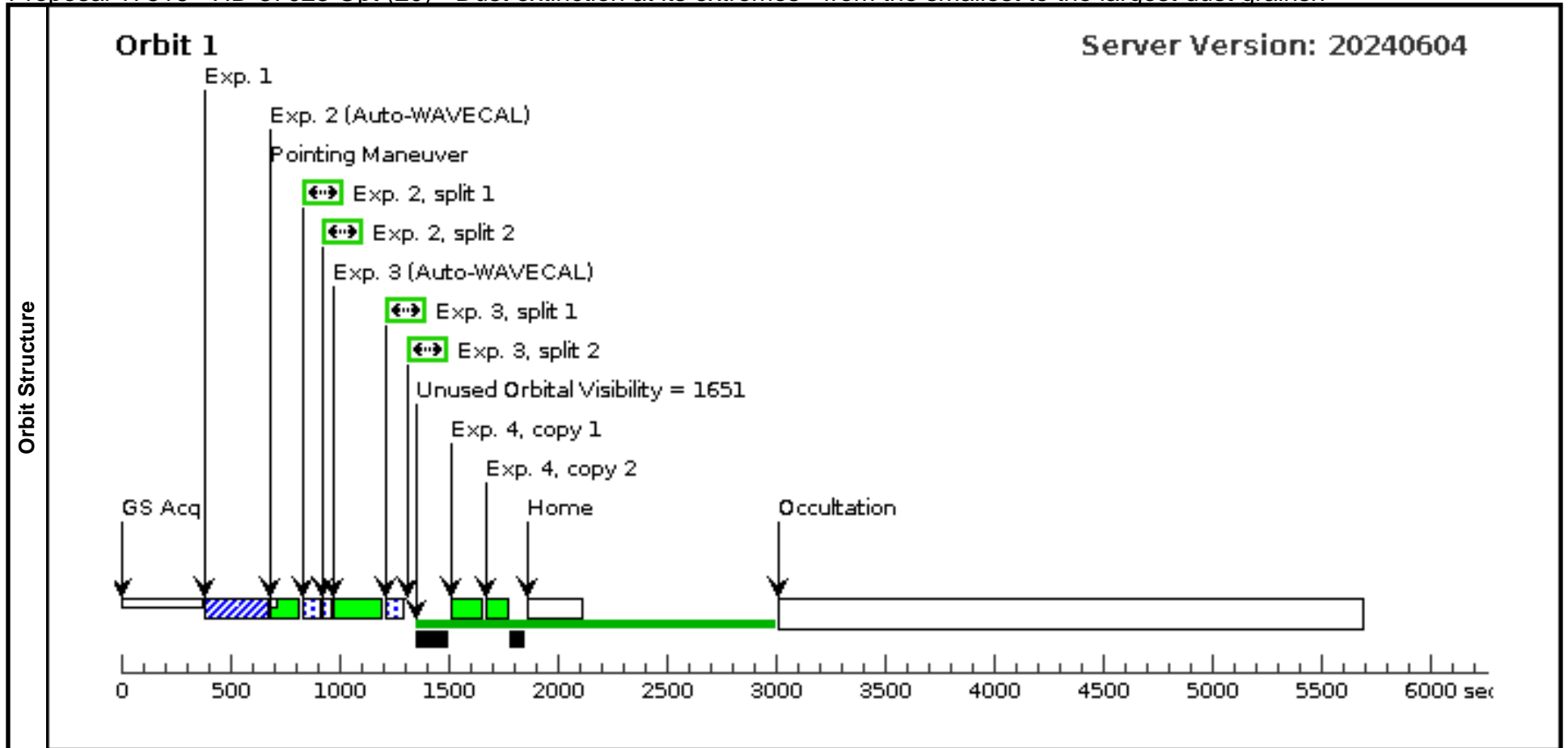
Visit	Proposal 17516, HD-37021 Opt (19), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(19)	HD-37021	RA: 05 35 16.1353 (83.8172304d) Dec: -05 23 6.76 (-5.38521d) Equinox: J2000	Proper Motion RA: 8.571164567402359E-5 sec of time/yr Proper Motion Dec: 0.001278 arcsec/yr Epoch of Position: 2015.5	V=7.96	Reference Frame: ICRS			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[B0-B2 V-IV] 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 (STIS.ta.189 1915)	(19) HD-37021	STIS/CCD, ACQ, F25ND3	MIRROR				0.1 Secs (0.1 Secs)	
									[==>]	[1]
	2	STIS/G430L (STIS.sp.18 91919)	(19) HD-37021	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				0.8 Secs (0.8 Secs)	
									[==>(Split 1)] [==>(Split 2)]	[1]
3	STIS/G750L (STIS.sp.18 91920)	(19) HD-37021	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				0.8 Secs (0.8 Secs)		
								[==>(Split 1)] [==>(Split 2)]	[1]	
4	CCDFLAT	CCDFLAT	(19) HD-37021	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17516 - HD-37023 Opt (20) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:45 GMT 2024

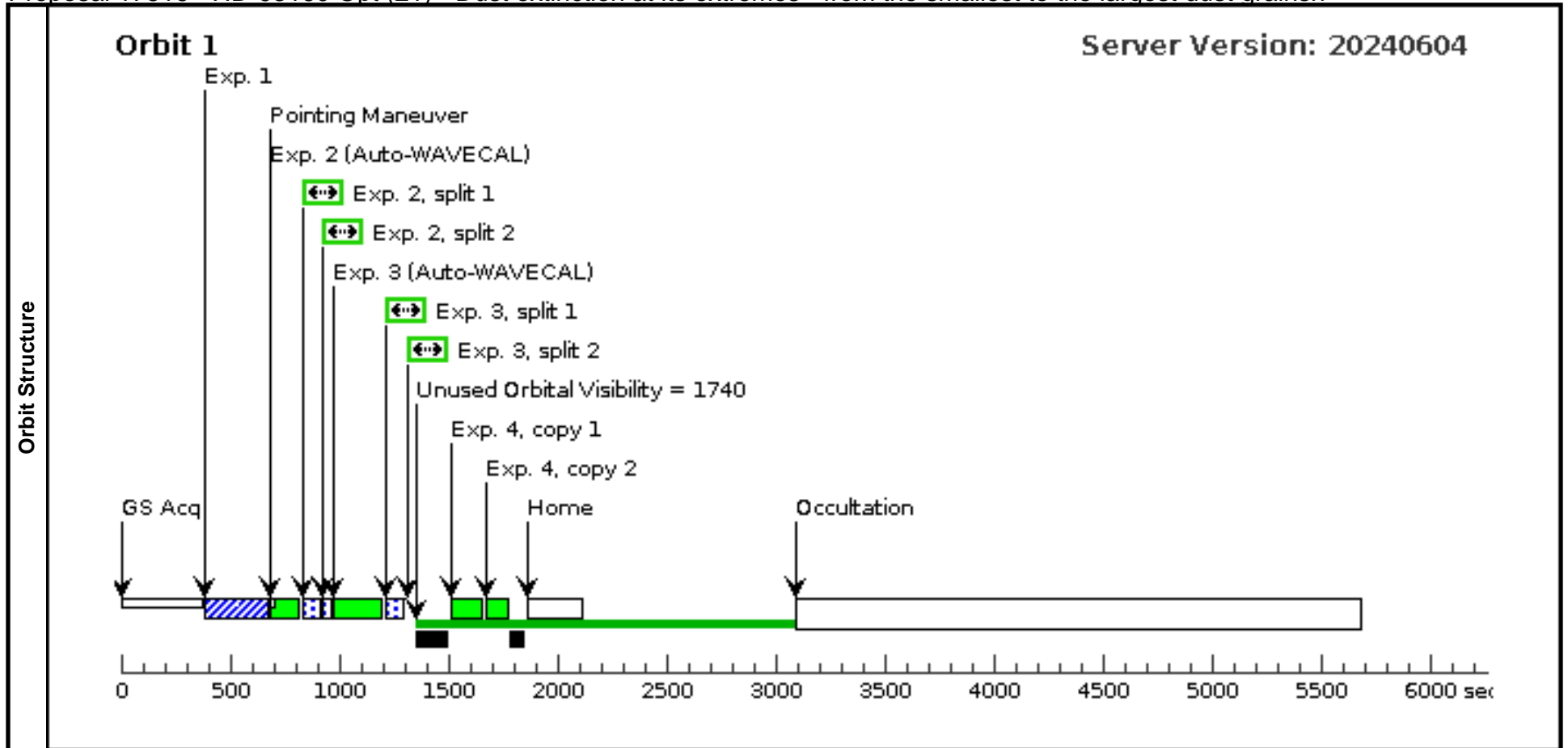
Visit	Proposal 17516, HD-37023 Opt (20), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none)									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(20)	HD-37023	RA: 05 35 17.2593 (83.8219137d) Dec: -05 23 16.56 (-5.38793d) Equinox: J2000	Proper Motion RA: 1.2200571721789753E-4 sec of time/yr Proper Motion Dec: 3.93E-4 arcsec/yr Epoch of Position: 2015.5	V=6.7	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[B0-B2 V-IV] Extended=NO									
Fixed Targets	(24)	HD-37022	RA: 05 35 16.4663 (83.8186096d) Dec: -05 23 22.92 (-5.38970d) Equinox: J2000	Proper Motion RA: 2.262 mas/yr Proper Motion Dec: 0.9940000000000001 mas/yr Parallax: 0.0025014" Epoch of Position: 2000	V=5.13	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[MAIN SEQUENCE O] 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 (STIS.ta.189 1927)	(24) HD-37022	STIS/CCD, ACQ, F25ND3	MIRROR				0.1 Secs (0.1 Secs)	
									[==>]	[1]
	2	STIS/G430L (STIS.sp.18 91932)	(20) HD-37023	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				0.2 Secs (0.2 Secs)	
									[==>(Split 1)] [==>(Split 2)]	[1]
3	STIS/G750L (STIS.sp.18 91935)	(20) HD-37023	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				0.4 Secs (0.4 Secs)		
								[==>(Split 1)] [==>(Split 2)]	[1]	
4	CCDFLAT	CCDFLAT		STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17516 - HD-93160 Opt (21) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

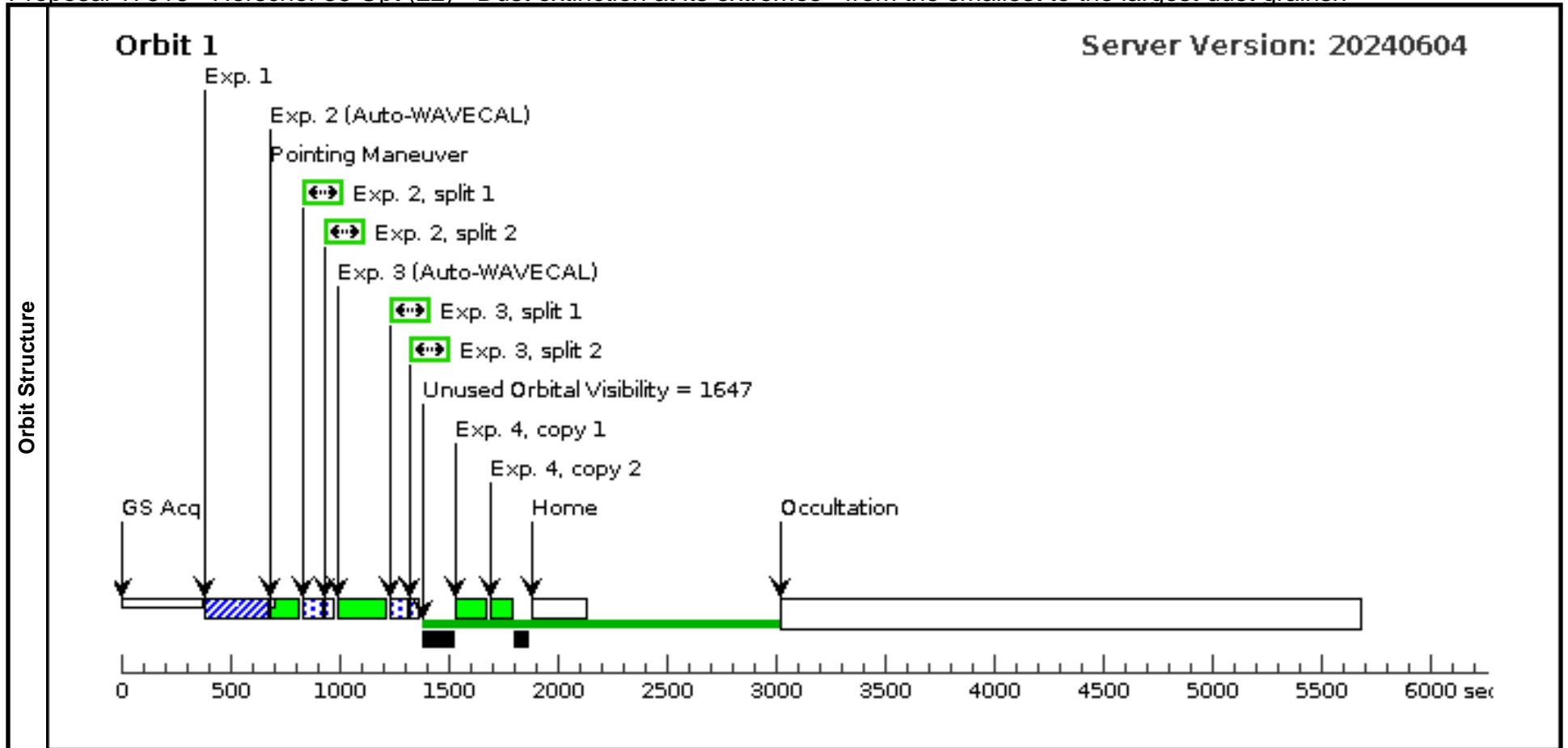
Fri Jun 28 21:00:45 GMT 2024

Visit	Proposal 17516, HD-93160 Opt (21), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(21)	HD-93160	RA: 10 44 7.2473 (161.0301971d) Dec: -59 34 30.58 (-59.57516d) Equinox: J2000	Proper Motion RA: -8.410878783506285E-4 sec of time/yr Proper Motion Dec: 0.0030110000000000002 arcsec/yr Epoch of Position: 2015.5	V=7.88	Reference Frame: ICRS			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[MAIN SEQUENCE O] 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 (STIS.ta.189 1941)	(21) HD-93160	STIS/CCD, ACQ, F25ND3	MIRROR				0.1 Secs (0.1 Secs)	
									[==>]	[1]
	2	STIS/G430L (STIS.sp.18 91945)	(21) HD-93160	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				0.6 Secs (0.6 Secs)	
									[==>(Split 1)] [==>(Split 2)]	[1]
3	STIS/G750L (STIS.sp.18 91946)	(21) HD-93160	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				1.2 Secs (1.2 Secs)		
								[==>(Split 1)] [==>(Split 2)]	[1]	
4	CCDFLAT	CCDFLAT	(21) HD-93160	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17516 - Herschel-36 Opt (22) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Visit	Proposal 17516, Herschel-36 Opt (22), completed Fri Jun 28 21:00:45 GMT 2024 Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
(22)		HERSCHEL-36	RA: 18 03 40.3200 (270.9180000d) Dec: -24 22 42.86 (-24.37857d) Equinox: J2000	Epoch of Position: 2015.5	V=9.1	Reference Frame: ICRS				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[MAIN SEQUENCE O] 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 (STIS.ta.189 1947)	(22) HERSCHEL-36	STIS/CCD, ACQ, F25ND3	MIRROR				0.8 Secs (0.8 Secs) [==>]	[1]
	2	STIS/G430L (STIS.sp.18 91950)	(22) HERSCHEL-36	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				13.6 Secs (13.6 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	3	STIS/G750L (STIS.sp.19 01384)	(22) HERSCHEL-36	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				9.4 Secs (9.4 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	4	CCDFLAT	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17516 - HD-164906 Opt (23) - Dust extinction at its extremes - from the smallest to the largest dust grainsh

Fri Jun 28 21:00:45 GMT 2024

Visit	Proposal 17516, HD-164906 Opt (23), completed Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(23)	HD-164906	RA: 18 04 25.8355 (271.1076479d) Dec: -24 23 8.38 (-24.38566d) Equinox: J2000	Proper Motion RA: 1.5254206511162473E-4 sec of time/yr Proper Motion Dec: -8.290001005661907E-4 arcsec/yr Epoch of Position: 2015.5	V=7.381	Reference Frame: ICRS			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[B0-B2 V-IV] 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 (STIS.ta.189 1952)	(23) HD-164906	STIS/CCD, ACQ, F25ND3	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	2	STIS/G430L (STIS.sp.18 91954)	(23) HD-164906	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				0.6 Secs (0.6 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	3	STIS/G750L (STIS.sp.18 91953)	(23) HD-164906	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A				0.6 Secs (0.6 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	4	CCDFLAT	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]

