



17078 - A multi-wavelength view of interstellar dust

Cycle: 30, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
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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) GSC-08152-02121 CCDFLAT	STIS/CCD	1	14-Feb-2023 10:00:22.0	yes
02	(2) TYC-8989-436-1 CCDFLAT	STIS/CCD	1	14-Feb-2023 10:00:24.0	yes
03	(2) TYC-8989-436-1	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	3	14-Feb-2023 10:00:27.0	yes
04	(3) CPD-59-5831 CCDFLAT	STIS/CCD	1	14-Feb-2023 10:00:29.0	yes
05	(3) CPD-59-5831	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	14-Feb-2023 10:00:31.0	yes
06	(4) CD-40-11169 CCDFLAT	STIS/CCD	1	14-Feb-2023 10:00:33.0	yes
07	(4) CD-40-11169	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	14-Feb-2023 10:00:35.0	yes
08	(5) TYC-7380-1046-1 CCDFLAT	STIS/CCD	1	14-Feb-2023 10:00:37.0	yes

Proposal 17078 (STScI Edit Number: 0, Created: Tuesday, February 14, 2023 at 10:00:59 AM 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>
09	(5) TYC-7380-1046-1	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	14-Feb-2023 10:00:38.0	yes
10	(6) TYC-6272-339-1 CCDFLAT	STIS/CCD	1	14-Feb-2023 10:00:40.0	yes
11	(6) TYC-6272-339-1	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	14-Feb-2023 10:00:41.0	yes
12	(7) LS-4992 CCDFLAT	STIS/CCD	1	14-Feb-2023 10:00:44.0	yes
13	(7) LS-4992	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	14-Feb-2023 10:00:45.0	yes
14	(8) SCHULTE-1 CCDFLAT	STIS/CCD	1	14-Feb-2023 10:00:47.0	yes
15	(8) SCHULTE-1	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	14-Feb-2023 10:00:48.0	yes
16	(9) CPR2002-A38 CCDFLAT	STIS/CCD	1	14-Feb-2023 10:00:50.0	yes
17	(10) ALS-15181 CCDFLAT	STIS/CCD	1	14-Feb-2023 10:00:53.0	yes
18	(11) GSC-03157-00327 CCDFLAT	STIS/CCD	1	14-Feb-2023 10:00:55.0	yes
19	(12) 2MASS-J20452110+4223513 CCDFLAT	STIS/CCD	1	14-Feb-2023 10:00:58.0	yes

21 Total Orbits Used

ABSTRACT

Dust in the diffuse interstellar medium is a major contributor to the energy balance and chemistry in galaxies. Its properties are typically characterized in extinction against background sources, and have yielded a well-described interstellar extinction curve (IEC), that can be explained by several dust models. We propose to observe with HST/STIS 12 sightlines towards O and B stars selected in approved JWST program 2183, yielding a continuous spectrum over 0.11-28 micron with relatively uniform S/N. HST/STIS is currently the only instrument available that can provide spectroscopy to be effectively combined with JWST when targeting O and B stars. Analysis of the combined data set will result in a refining of the interstellar dust models, and further explore variations between sightlines. Several dust features in the IEC accessible with HST/STIS, most notably the 2175 Å bump, but also the newly described intermediate scale structure features in the optical (Massa et al. 2020), will be compared to dust features in the infrared spectrum in order to further constrain the nature of their carriers. The overall shape of the IEC over the UV/optical/infrared wavelength range will further constrain the composition of the interstellar dust, in particular the balance between silicate and carbonaceous dust components, as well as the grain size distribution in the ISM.

OBSERVING DESCRIPTION

We will observe 12 stars using the STIS spectrograph to study the dust properties along these 12 sightlines. From the resulting spectra we will derive the particle size distribution and the chemical composition of the dust. In particular, we will study the intermediate scale structure (ISS) bands at 4370, 4870 and 6300 angstrom (for all sources) and the 2175 angstrom feature for stars that are bright enough near this wavelength.

Through Phase 1 simulations we have seen that SNR~1 is sufficient to measure the full depth of the 2175 angstrom feature seen in G230L. The G140L data will help establishing the baseline continuum.

Shallow but broad dust absorption features are expected in the spectral range (~4000Å-7000Å) of the CCD. They require a good handling of low order instrumental features.

CCD + MAMA observations are split across different visits to improve schedulability.

Following the HST program 13760 and Fitzpatrick 2019 (paper VII) we use the 52x2 slit for the most accurate spectrophotometric performance.

The E1/E2 pseudoslits are not used as the targets are bright in the first order gratings for the CCD.

CCD observations use a pattern with 4 positions with half pixel offsets (10.5 px) to prevent both hot pixels and improve spatial resolution (and

remove low order ripple due to aliasing).

G750L observations have a CCDFLAT at the end of their orbit for fringe correction.

MAMA observations use a pattern with 2 positions with integer pixel offsets (15 px) to prevent hot pixels. The improvement spatial resolution is already given by MAMA's readout.

All targets are OB stars with strong reddening. They have A_v values ranging between 4-8 according to photometric fits, using photometry data (B-V,H-K) of Gaia and 2MASS, irsa dust maps and hydrogen column density maps, 2D HI4PI.

BOT reports targets 2,3,4 as safe for MAMA according to GALEX data. But BOT reports potential problems with some stars (targets 5,6,7,8) in combination with MAMA because GALEX data is missing and GSC data is used to extrapolate with no reddening. The ETC calculations with the SIMBAD U or B magnitudes show us that the limits are not exceeded when normalized to the observed magnitudes in the UV and using our fitted A_v values. We performed an additional check on the brightest star in our target list CPD-59 5831 (target 3, which is safe according to GALEX). The lowest allowed $E(B-V)$ value would be 0.9 assuming an O5V star in order to avoid exceeding the limits on the total count rate. We are well above this value with an $E(B-V)=1.5\pm 0.03$. In addition the IRSA dust maps for this region based on Schlafly & Finkbeiner 2011 report an average $E(B-V)$ of 2.15 ± 0.06 .

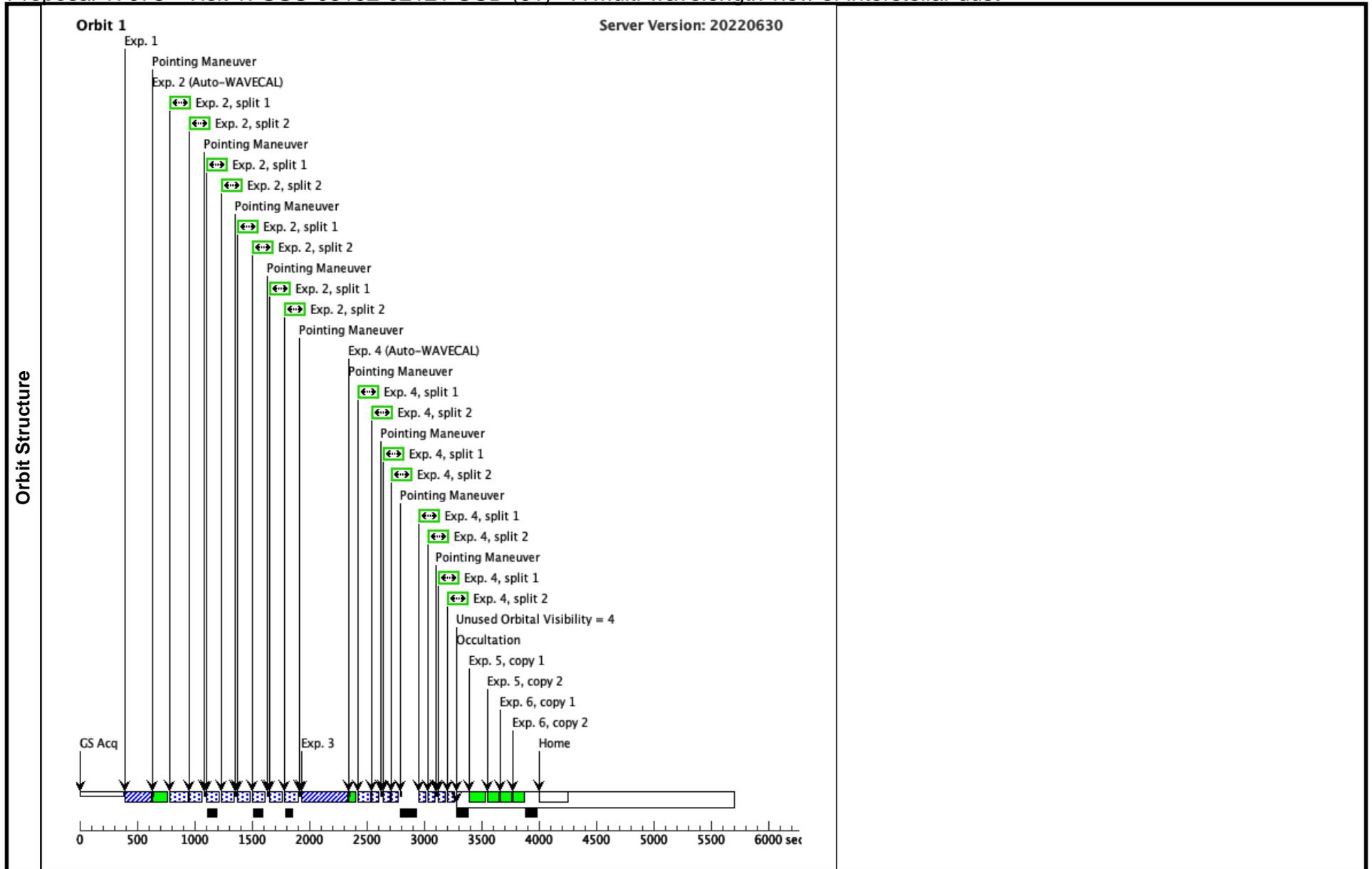
Proposal 17078 - Visit 1: GSC-08152-02121 CCD (01) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:00:59 GMT 2023

Visit	Proposal 17078, Visit 1: GSC-08152-02121 CCD (01), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none) Comments: added ACQ/PEAK adjusted G430L exp time to allow for ACQ/PEAK time added offset for G750L redid ETC and ACQ/Peak exp time					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=4 Angle Between Sides= Point Spacing=0.5327175 Center Pattern=false Line Spacing=		(2), (4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	GSC-08152-02121	RA: 08 57 47.5628 (134.4481783d) Dec: -46 09 14.47 (-46.15402d) Equinox: J2000	Proper Motion RA: -4.675275068892485E-4 sec of time/yr Proper Motion Dec: 0.005207 arcsec/yr Epoch of Position: 2015.5	V=13.14 B=14.59, SDSS_R= 0.0331 Jy	Reference Frame: ICRS
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[B0-B2 V-IV, B3-B5 V-IV, MAIN SEQUENCE O]					

Proposal 17078 - Visit 1: GSC-08152-02121 CCD (01) - A multi-wavelength view of interstellar dust

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ (STIS.ta.181 1 2578)	(1) GSC-08152-0212 STIS/CCD, ACQ, F28X50LP	MIRROR				0.3 Secs (0.3 Secs) [==>]	[1]	
	2	G430L (STIS.sp.18 1 39662)	(1) GSC-08152-0212 STIS/CCD, ACCUM, 52X2	G430L 4300 A			Pattern 1, Exps 2-2 in Visit 1: GSC-08152-02121 CCD (01) (1)	162 Secs (648 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]	
	<i>Comments: SNR 75 per pattern position [v]</i>									
	3	ACQ/PEAK (STIS.sp.18 1 39660)	(1) GSC-08152-0212 STIS/CCD, ACQ/PEAK, 52X0.1	G750L 7751 A					3 Secs (3 Secs) [==>]	[1]
	<i>Comments: [v] 238000 counts</i>									
	4	G750L (STIS.sp.18 1 12582)	(1) GSC-08152-0212 STIS/CCD, ACCUM, 52X2	G750L 7751 A		POS TARG -0.0492 41721,0		Pattern 1, Exps 4-4 in Visit 1: GSC-08152-02121 CCD (01) (1)	60 Secs (240 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]
<i>Comments: SNR 88 per split [V]</i>										
5	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	
6	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	



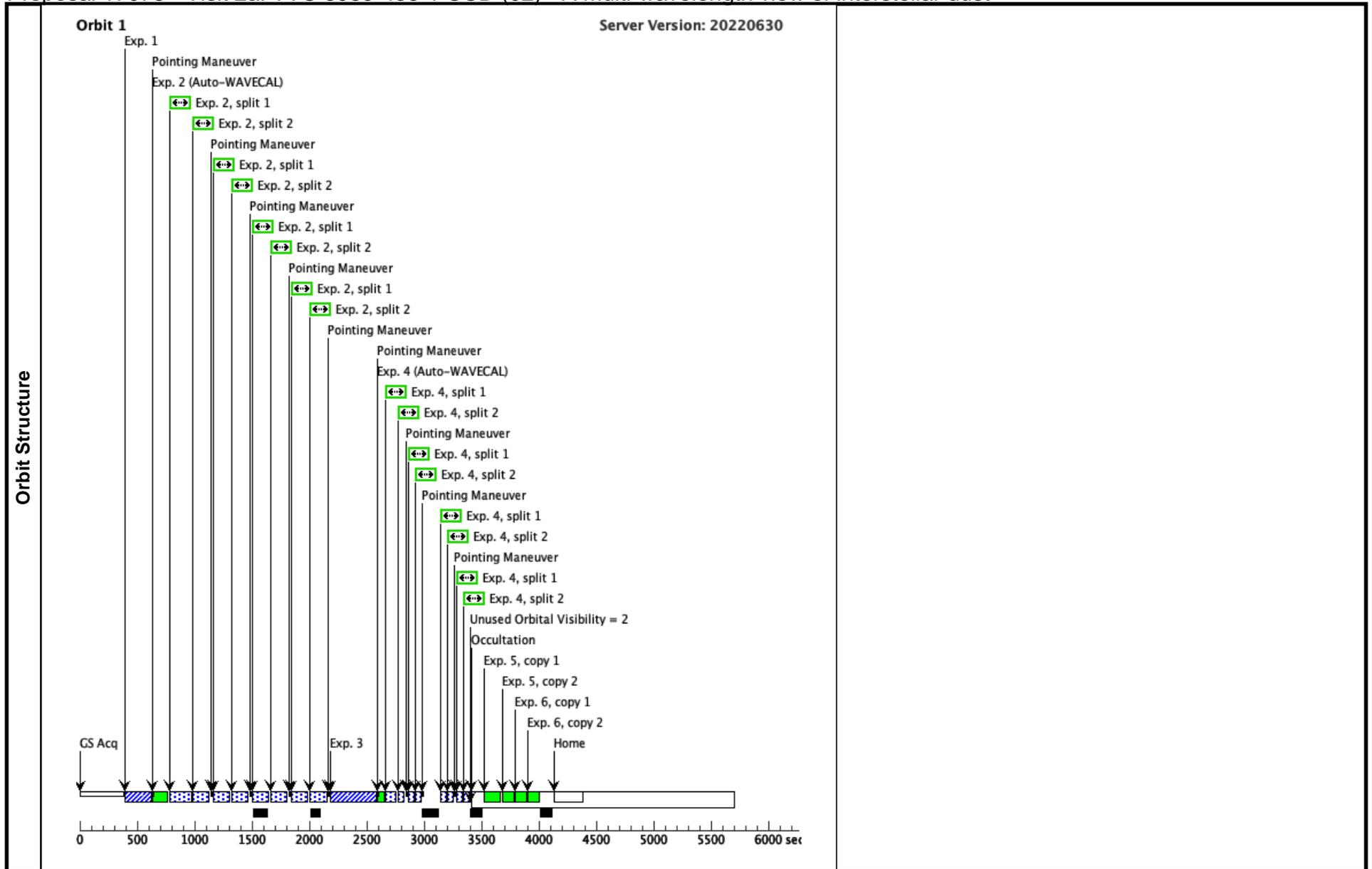
Proposal 17078 - Visit 2a: TYC 8989-436-1 CCD (02) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:00:59 GMT 2023

Visit	Proposal 17078, Visit 2a: TYC 8989-436-1 CCD (02), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none) Comments: added ACQ/PEAK adjusted G430L exp time to allow for ACQ/PEAK time added offset for G750L redid ETC and ACQ/Peak exp time					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=4 Angle Between Sides= Point Spacing=0.5327175 Center Pattern=false Line Spacing=		(2), (4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	TYC-8989-436-1	RA: 13 01 52.7549 (195.4698121d) Dec: -61 31 4.63 (-61.51795d) Equinox: J2000	Proper Motion RA: -7.318350886920628E-4 sec of time/yr Proper Motion Dec: - 0.0016480000340379775 arcsec/yr Epoch of Position: 2015.5	V=11.28 U=13.22, SDSS_R=0.213 Jy	Reference Frame: ICRS
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[B0-B2 V-IV, B3-B5 V-IV, MAIN SEQUENCE O]					

Proposal 17078 - Visit 2a: TYC 8989-436-1 CCD (02) - A multi-wavelength view of interstellar dust

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ (STIS.ta.181 2281)	(2) TYC-8989-436-1	STIS/CCD, ACQ, F28X50LP	MIRROR			0.3 Secs (0.3 Secs) [==>]	[1]	
	2	G430L (STIS.sp.18 39677)	(2) TYC-8989-436-1	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=2	Pattern 1, Exps 2-2 i n Visit 2a: TYC 898 9-436-1 CCD (02) (1)	223 Secs (892 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]	
	<i>Comments: SNR 140 per split [v]</i>									
	3	ACQ/PEAK (STIS.sp.18 39669)	(2) TYC-8989-436-1	STIS/CCD, ACQ/PEAK, 52X0.1	G750L 7751 A				3 Secs (3 Secs) [==>]	[1]
	<i>Comments: [v] 768464 counts total</i>									
	4	G750L (STIS.sp.18 39674)	(2) TYC-8989-436-1	STIS/CCD, ACCUM, 52X2	G750L 7751 A		POS TARG -0.0492 41721,0	Pattern 1, Exps 4-4 i n Visit 2a: TYC 898 9-436-1 CCD (02) (1)	30 Secs (120 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]
<i>Comments: SNR 110 per split [v]</i>										
5	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	
6	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	



Proposal 17078 - Visit 2b: TYC 8989-436-1 MAMA (03) - A multi-wavelength view of interstellar dust

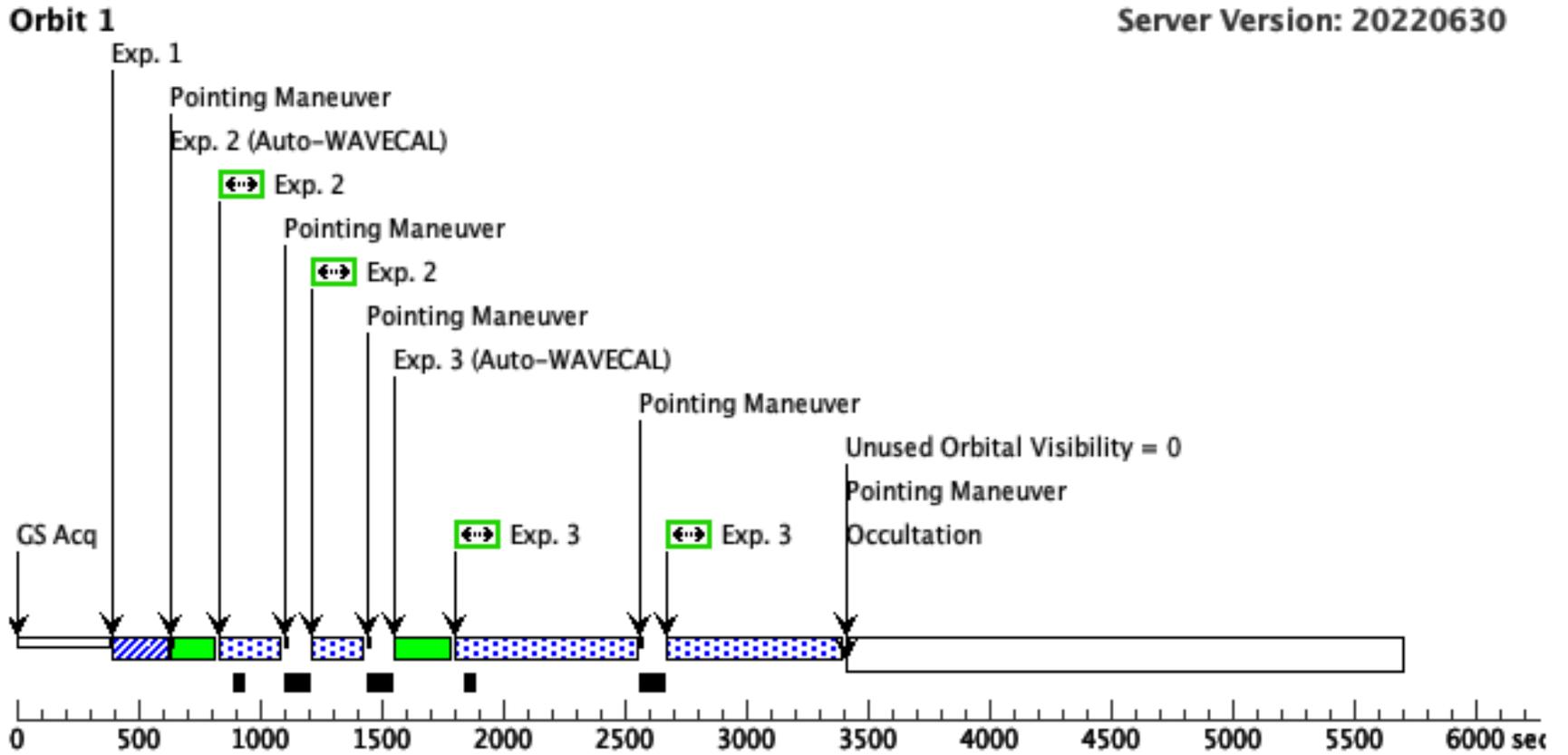
Tue Feb 14 15:00:59 GMT 2023

Visit	Proposal 17078, Visit 2b: TYC 8989-436-1 MAMA (03), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA Special Requirements: (none) Comments: checked ETC					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=0.372435 Center Pattern=false Line Spacing=		(3), (4), (5)		
	(3)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=0.36912 Center Pattern=false Line Spacing=		(2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	TYC-8989-436-1	RA: 13 01 52.7549 (195.4698121d) Dec: -61 31 4.63 (-61.51795d) Equinox: J2000	Proper Motion RA: -7.318350886920628E-4 sec of time/yr Proper Motion Dec: - 0.0016480000340379775 arcsec/yr Epoch of Position: 2015.5	V=11.28 U=13.22, SDSS_R=0.213 Jy	Reference Frame: ICRS
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[B0-B2 V-IV, B3-B5 V-IV, MAIN SEQUENCE O]					

Proposal 17078 - Visit 2b: TYC 8989-436-1 MAMA (03) - A multi-wavelength view of interstellar dust

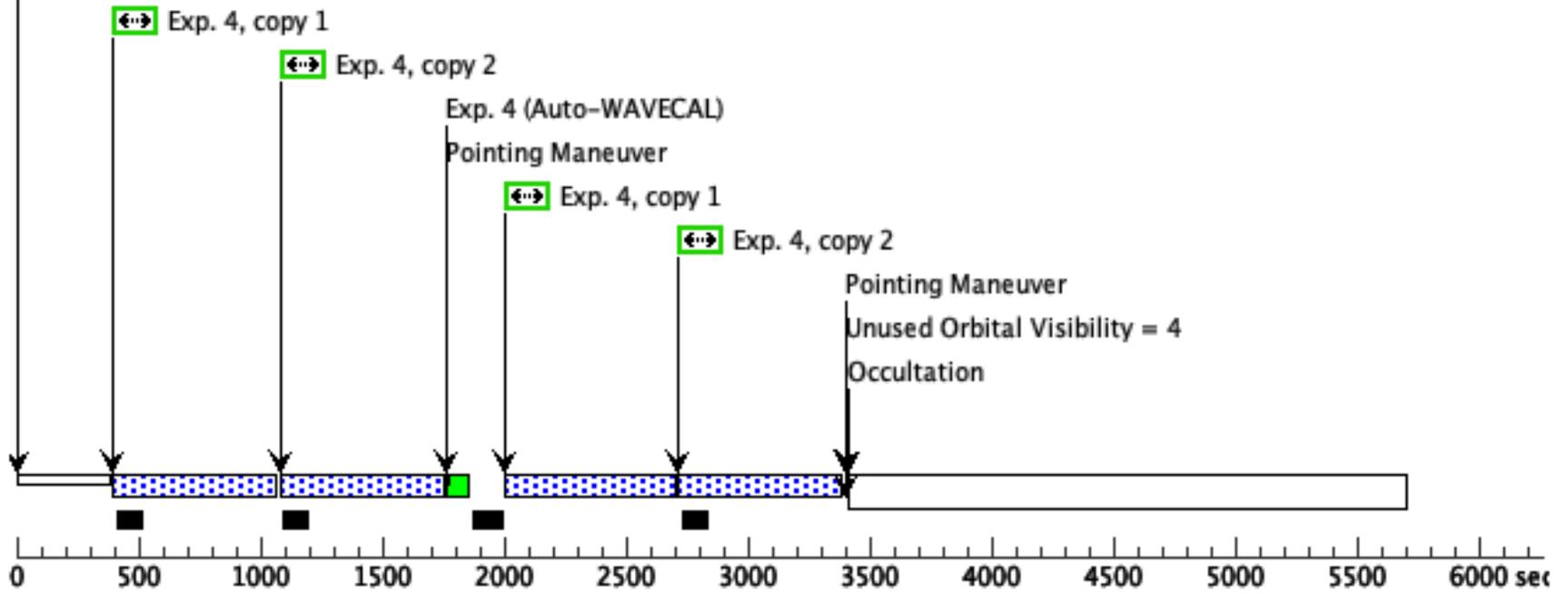
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ACQ (STIS.ta.181 2281)	(2) TYC-8989-436-1	STIS/CCD, ACQ, F28X50LP	MIRROR				0.3 Secs (0.3 Secs) [==>]	[1]	
	2	G140L (STIS.sp.18 12946)	(2) TYC-8989-436-1	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A			Pattern 3, Exps 2-2 i n Visit 2b: TYC 898 9-436-1 MAMA (03) (3)	200 Secs (400 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	<i>Comments: SNR 1.75 per pattern position at 1500 angstrom</i>										
	3	G230L (STIS.sp.18 12947)	(2) TYC-8989-436-1	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A			Pattern 2, Exps 3-3 i n Visit 2b: TYC 898 9-436-1 MAMA (03) (2)	708 Secs (1416 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
<i>Comments: SNR 0.2644 per subexposure at faintest part of spectrum</i>											
4	G230L (STIS.sp.18 12948)	(2) TYC-8989-436-1	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A			Pattern 2, Exps 4-4 i n Visit 2b: TYC 898 9-436-1 MAMA (03) (2)	663 Secs X 2 (2652 Secs) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[2]		
<i>Comments: SNR 0.37 per subexposure at 2175 angstrom (faintest part of spectral range)</i>											
5	G230L (STIS.sp.18 12948)	(2) TYC-8989-436-1	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A			Pattern 2, Exps 5-5 i n Visit 2b: TYC 898 9-436-1 MAMA (03) (2)	663 Secs X 2 (2652 Secs) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]	[3]		
<i>Comments: SNR 0.37 per pattern at 2175 angstrom (faintest part of spectral range)</i>											

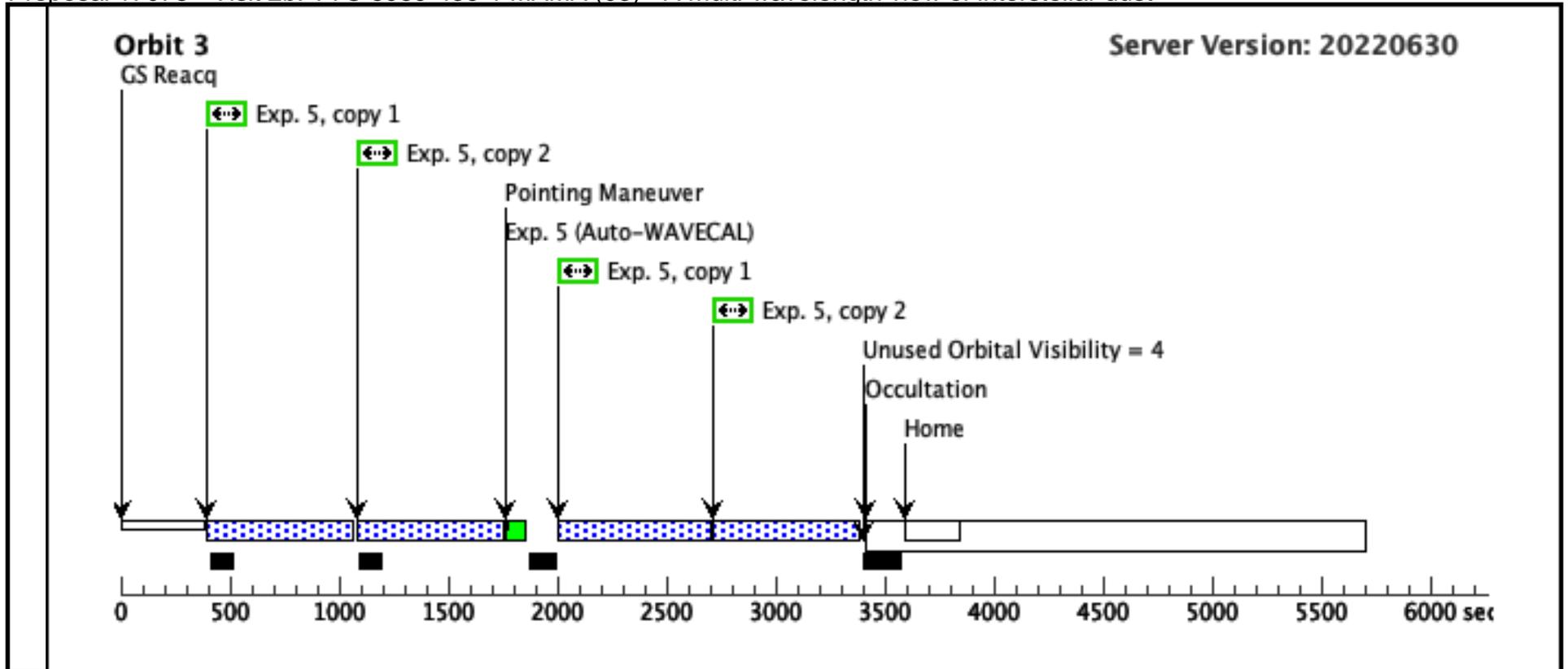
Orbit Structure



Orbit 2

GS Reacq





Proposal 17078 - Visit 3a: CPD-59-5831 CCD (04) - A multi-wavelength view of interstellar dust

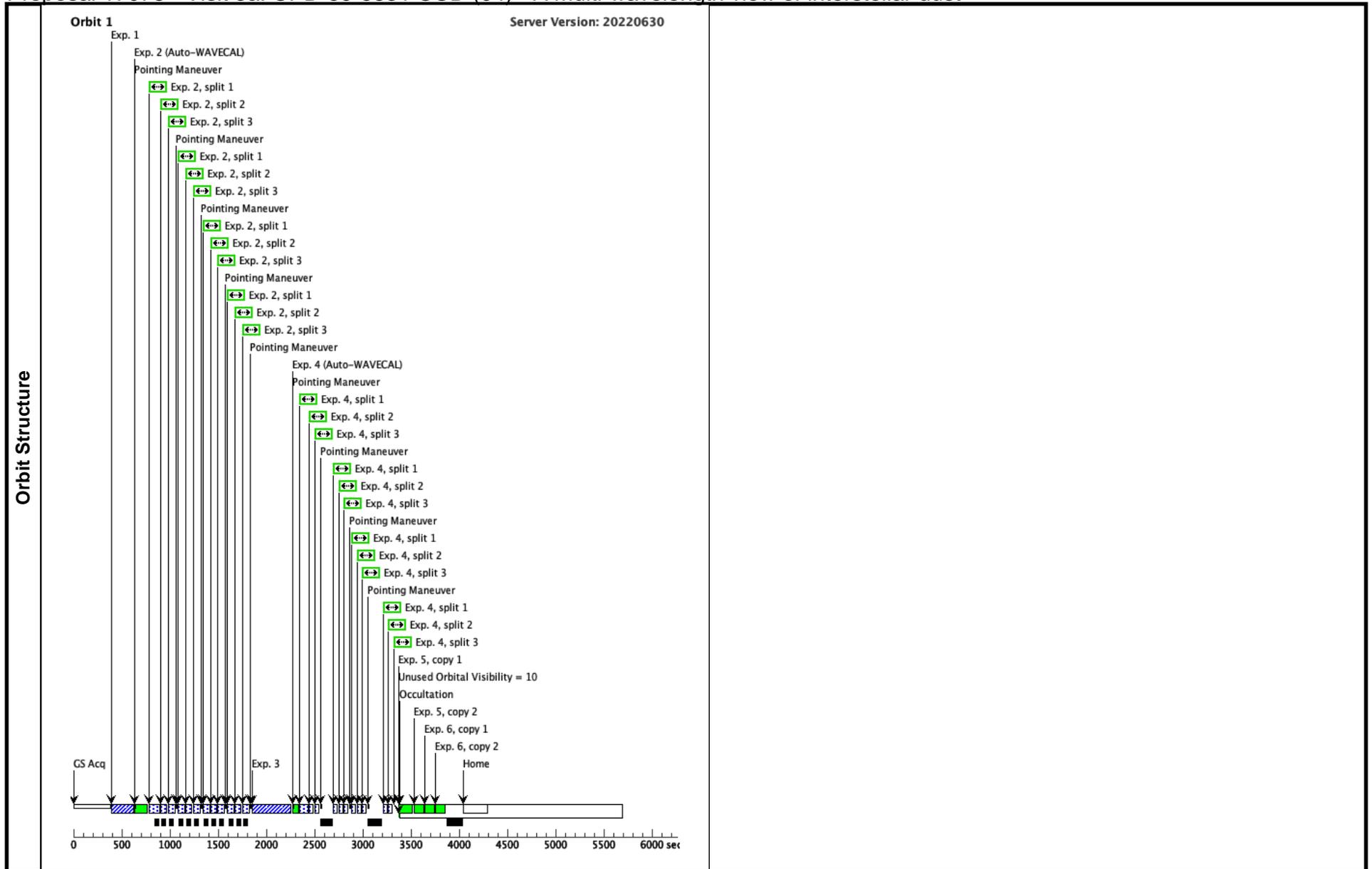
Tue Feb 14 15:00:59 GMT 2023

Visit	Proposal 17078, Visit 3a: CPD-59-5831 CCD (04), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none) Comments: added ACQ/PEAK adjusted G430L exp time to allow for ACQ/PEAK time added offset for G750L redid ETC and ACQ/Peak exp time					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=4 Angle Between Sides= Point Spacing=0.5327175 Center Pattern=false Line Spacing=		(2), (4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	CPD-59-5831	RA: 15 09 58.4113 (227.4933804d) Dec: -59 58 46.36 (-59.97954d) Equinox: J2000	Proper Motion RA: -5.735120481290875E-4 sec of time/yr Proper Motion Dec: -0.003342999912092637 arcsec/yr Epoch of Position: 2015.5	V=10.27 B=11.50, SDSS_R=0.473 Jy	Reference Frame: ICRS
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[B0-B2 V-IV, B3-B5 V-IV, MAIN SEQUENCE O]					

Proposal 17078 - Visit 3a: CPD-59-5831 CCD (04) - A multi-wavelength view of interstellar dust

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ (STIS.ta.181 2363)	(3) CPD-59-5831	STIS/CCD, ACQ, F28X50LP	MIRROR			0.1 Secs (0.1 Secs) [==>]	[1]	
	2	G430L (STIS.sp.18 39695)	(3) CPD-59-5831	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=3	Pattern 1, Exps 2-2 in Visit 3a: CPD-59-5831 CCD (04) (1)	99 Secs (396 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 1, Split 3)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 2, Split 3)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 3, Split 3)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)] [==>(Pattern 4, Split 3)]	[1]	
	<i>Comments: SNR 140 per split [v]</i>									
	3	ACQ/PEAK (STIS.sp.18 39680)	(3) CPD-59-5831	STIS/CCD, ACQ/PEAK, 52X0.1	G750L 7751 A			3 Secs (3 Secs) [==>]	[1]	
	<i>Comments: 3700000 counts total [v]</i>									
	4	G750L (STIS.sp.18 39679)	(3) CPD-59-5831	STIS/CCD, ACCUM, 52X2	G750L 7751 A	CR-SPLIT=3	POS TARG -0.0492 41721,0	Pattern 1, Exps 4-4 in Visit 3a: CPD-59-5831 CCD (04) (1)	30 Secs (120 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 1, Split 3)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 2, Split 3)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 3, Split 3)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)] [==>(Pattern 4, Split 3)]	[1]
	<i>Comments: SNR 197 per split [v]</i>									
	5	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A			[==>(Copy 1)] [==>(Copy 2)]	[1]	
	6	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A			[==>(Copy 1)] [==>(Copy 2)]	[1]	

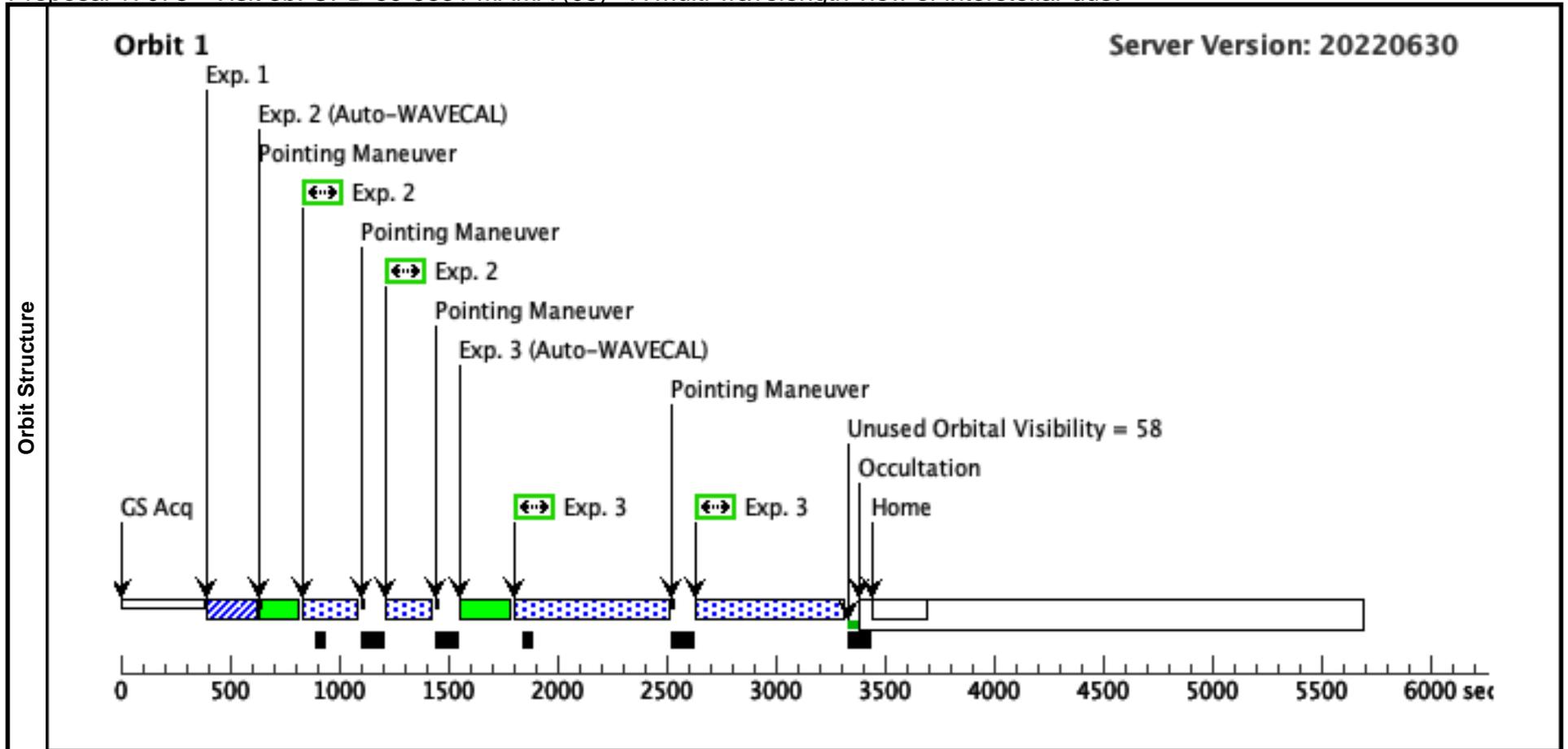
Proposal 17078 - Visit 3a: CPD-59-5831 CCD (04) - A multi-wavelength view of interstellar dust



Proposal 17078 - Visit 3b: CPD-59-5831 MAMA (05) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:00:59 GMT 2023

Visit	Proposal 17078, Visit 3b: CPD-59-5831 MAMA (05), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA Special Requirements: (none) Comments: checked ETC									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(2)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=0.372435 Center Pattern=false Line Spacing=		(3)						
	(3)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=0.36912 Center Pattern=false Line Spacing=		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	CPD-59-5831	RA: 15 09 58.4113 (227.4933804d) Dec: -59 58 46.36 (-59.97954d) Equinox: J2000	Proper Motion RA: -5.735120481290875E-4 sec of time/yr Proper Motion Dec: -0.003342999912092637 arcsec/yr Epoch of Position: 2015.5	V=10.27 B=11.50, SDSS_R=0.473 Jy	Reference Frame: ICRS				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[B0-B2 V-IV, B3-B5 V-IV, MAIN SEQUENCE O]										
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.181 2363)	(3) CPD-59-5831	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs)	
									[==>]	[1]
	2	G140L (STIS.sp.18 12951)	(3) CPD-59-5831	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A			Pattern 3, Exps 2-2 in Visit 3b: CPD-59-5831 MAMA (05) (3)	200 Secs (400 Secs)	
								[==>(Pattern 1)]	[1]	
								[==>(Pattern 2)]		
Comments: SNR 5.5 per pattern position at 1500 A										
3	G230L (STIS.sp.18 12950)	(3) CPD-59-5831	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				Pattern 2, Exps 3-3 in Visit 3b: CPD-59-5831 MAMA (05) (2)	668 Secs (1336 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
Comments: SNR 3.62 per pattern position at 2175 A										



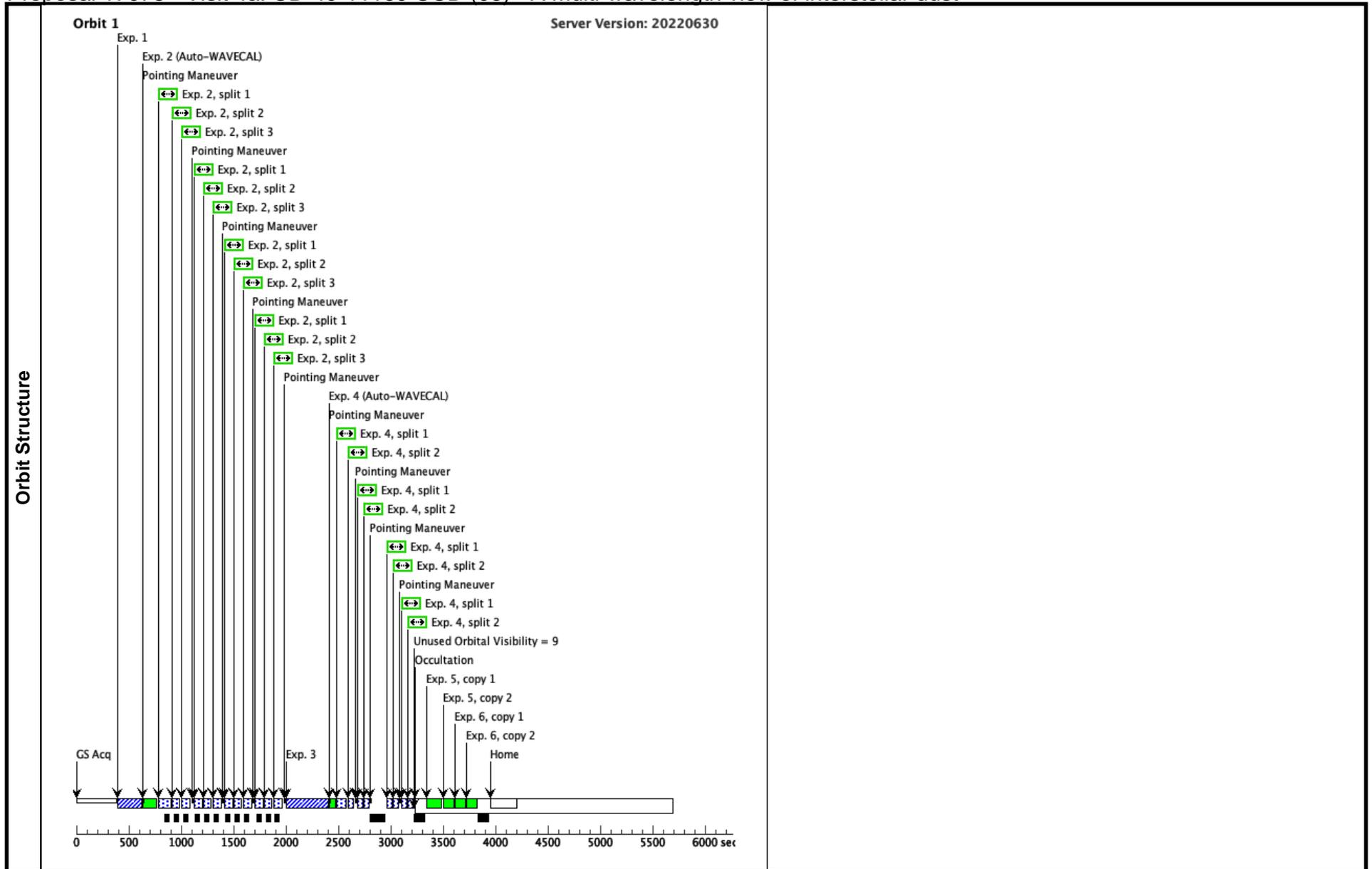
Proposal 17078 - Visit 4a: CD-40-11169 CCD (06) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:01:00 GMT 2023

Visit	Proposal 17078, Visit 4a: CD-40-11169 CCD (06), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none) Comments: added ACQ/PEAK adjusted G430L exp time to allow for ACQ/PEAK time added offset for G750L redid ETC and ACQ/Peak exp time					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=4 Angle Between Sides= Point Spacing=0.5327175 Center Pattern=false Line Spacing=		(2), (4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	CD-40-11169	RA: 17 07 56.5382 (256.9855758d) Dec: -40 40 38.46 (-40.67735d) Equinox: J2000	Proper Motion RA: -1.2544083665785085E-4 sec of time/yr Proper Motion Dec: - 0.0023949999103933806 arcsec/yr Epoch of Position: 2015.5	V=10.88 U=12.03, SDSS_R=0.313 Jy	Reference Frame: ICRS
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[B0-B2 V-IV, B3-B5 V-IV, MAIN SEQUENCE O]					

Proposal 17078 - Visit 4a: CD-40-11169 CCD (06) - A multi-wavelength view of interstellar dust

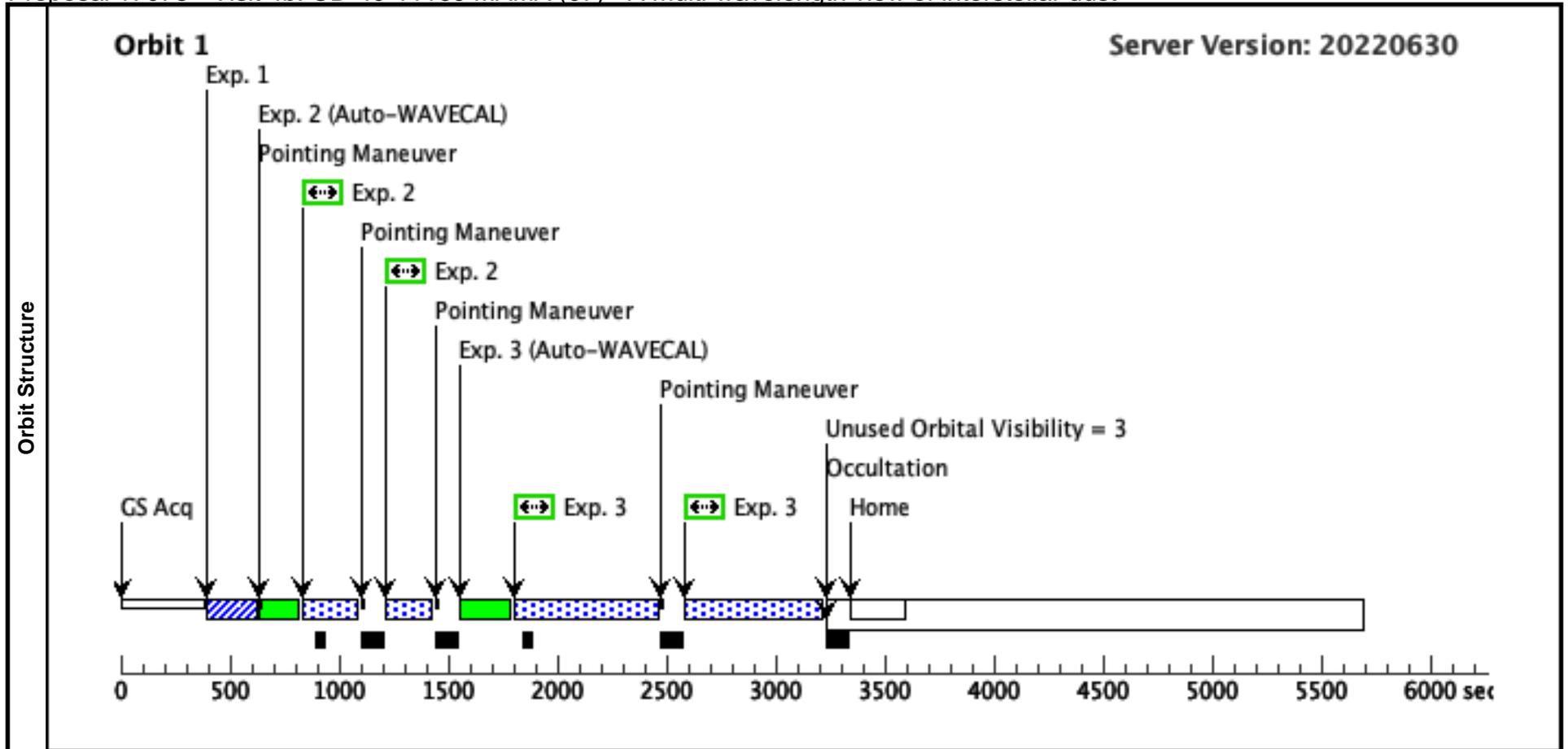
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ (STIS.ta.181 2410)	(4) CD-40-11169	STIS/CCD, ACQ, F28X50LP	MIRROR			0.1 Secs (0.1 Secs) [==>]	[1]	
	2	G430L (STIS.sp.18 39696)	(4) CD-40-11169	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=3	Pattern 1, Exps 2-2 in Visit 4a: CD-40-11169 CCD (06) (1)	135 Secs (540 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 1, Split 3)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 2, Split 3)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 3, Split 3)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)] [==>(Pattern 4, Split 3)]	[1]	
	<i>Comments: SNR 100 per split</i>									
	3	ACQ/PEAK (STIS.sp.18 39682)	(4) CD-40-11169	STIS/CCD, ACQ/PEAK, 52X0.1	G750L 7751 A				3 Secs (3 Secs) [==>]	[1]
	<i>Comments: 1200000 counts [v]</i>									
	4	G750L (STIS.sp.18 12932)	(4) CD-40-11169	STIS/CCD, ACCUM, 52X2	G750L 7751 A		POS TARG -0.0492 41721,0	Pattern 1, Exps 4-4 in Visit 4a: CD-40-11169 CCD (06) (1)	30 Secs (120 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]
<i>Comments: snr 289 per pattern position [v]</i>										
5	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	
6	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	



Proposal 17078 - Visit 4b: CD-40-11169 MAMA (07) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:01:00 GMT 2023

Visit	Proposal 17078, Visit 4b: CD-40-11169 MAMA (07), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA Special Requirements: (none) <i>Comments: check ETC and exposure times</i>									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.372435 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false			(3)				
(3)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.36912 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false			(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	CD-40-11169	RA: 17 07 56.5382 (256.9855758d) Dec: -40 40 38.46 (-40.67735d) Equinox: J2000	Proper Motion RA: -1.2544083665785085E-4 sec of time/yr Proper Motion Dec: - 0.0023949999103933806 arcsec/yr Epoch of Position: 2015.5	V=10.88 U=12.03, SDSS_R=0.313 Jy	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, B3-B5 V-IV, MAIN SEQUENCE O]										
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.181 2410)	(4) CD-40-11169	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	2	G140L (STIS.sp.18 12953)	(4) CD-40-11169	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A			Pattern 3, Exps 2-2 in Visit 4b: CD-40-11169 MAMA (07) (3)	200 Secs (400 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	<i>Comments: SNR 2.75 per pattern position at 1500A</i>									
3	G230L (STIS.sp.18 12958)	(4) CD-40-11169	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				Pattern 2, Exps 3-3 in Visit 4b: CD-40-11169 MAMA (07) (2)	620 Secs (1240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
<i>Comments: SNR 0.7 per pattern position at 2175A</i>										



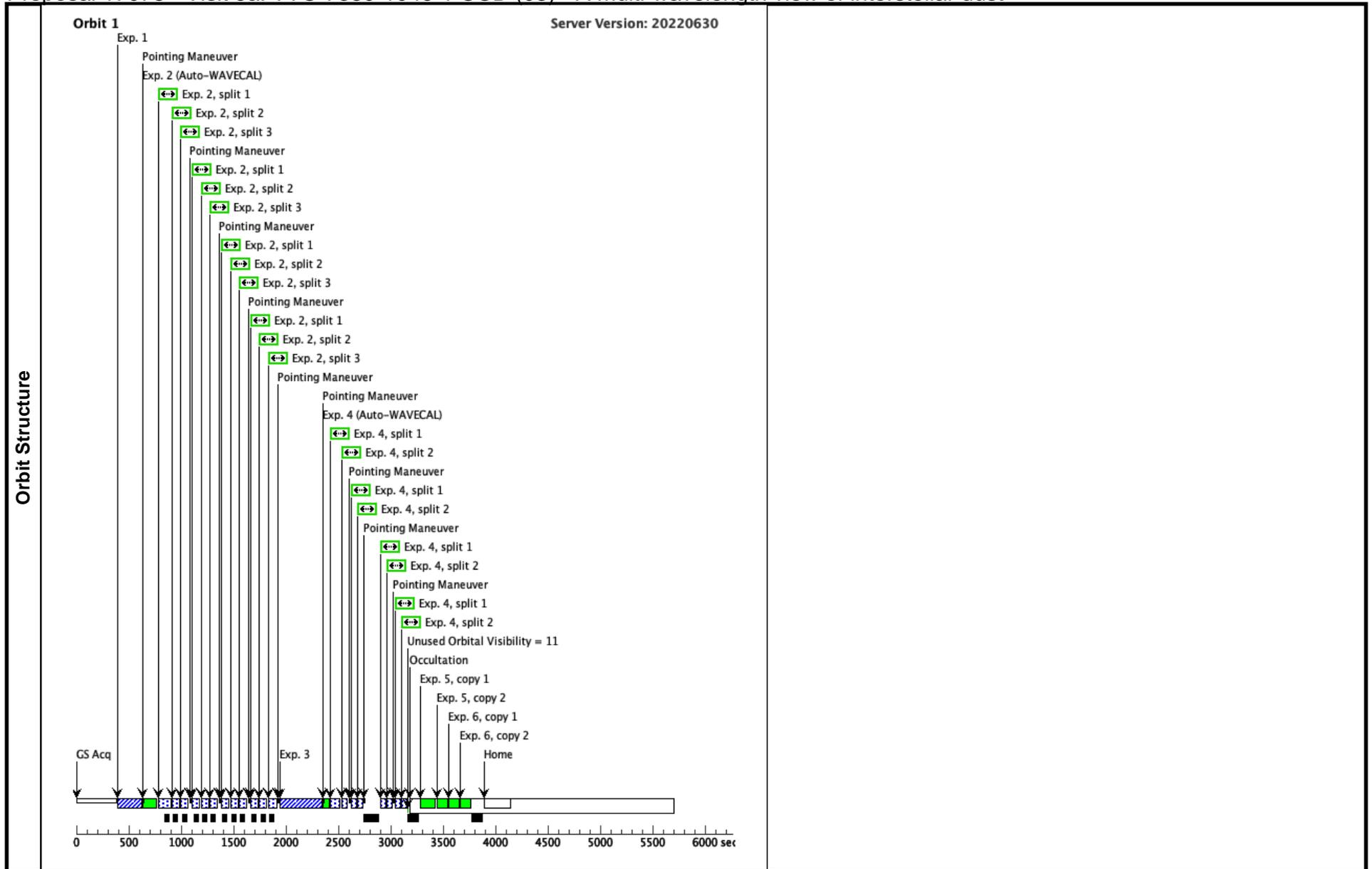
Proposal 17078 - Visit 5a: TYC-7380-1046-1 CCD (08) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:01:00 GMT 2023

Visit	Proposal 17078, Visit 5a: TYC-7380-1046-1 CCD (08), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none) Comments: added ACQ/PEAK adjusted G430L exp time to allow for ACQ/PEAK time added offset for G750L redid ETC and ACQ/Peak exp time					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=4 Angle Between Sides= Point Spacing=0.5327175 Center Pattern=false Line Spacing=		(2), (4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	TYC-7380-1046-1	RA: 17 36 28.7530 (264.1198042d) Dec: -32 53 16.65 (-32.88796d) Equinox: J2000	Proper Motion RA: -7.93902195617976E-6 sec of time/yr Proper Motion Dec: - 0.0013080000826448668 arcsec/yr Epoch of Position: 2015.5	V=10.7 U=11.88, SDSS_R=0.316 Jy	Reference Frame: ICRS
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[B0-B2 V-IV, B3-B5 V-IV, MAIN SEQUENCE O]					

Proposal 17078 - Visit 5a: TYC-7380-1046-1 CCD (08) - A multi-wavelength view of interstellar dust

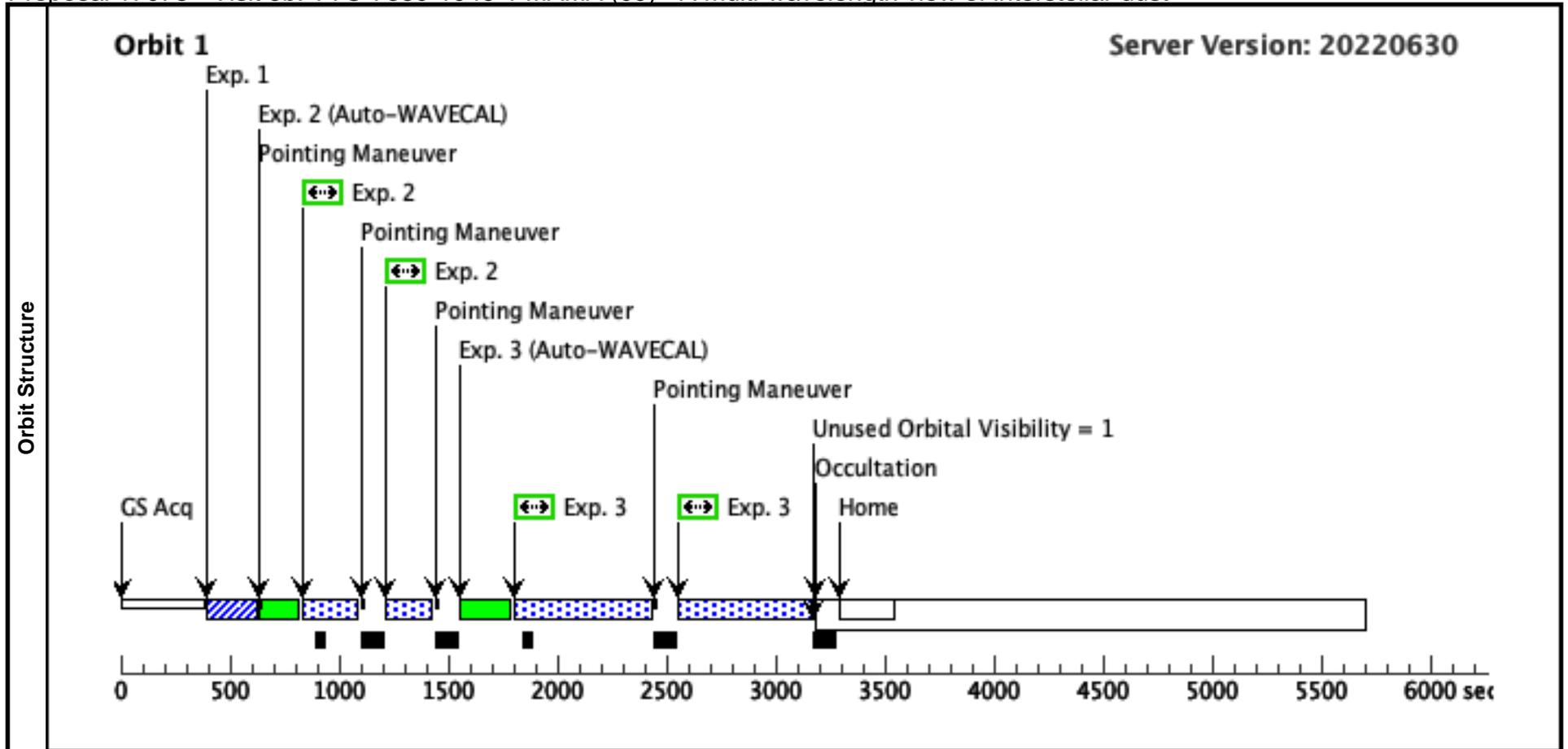
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ (STIS.ta.181 2411)	(5) TYC-7380-1046- STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]	
	2	G430L (STIS.sp.18 39697)	(5) TYC-7380-1046- STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=3		Pattern 1, Exps 2-2 i n Visit 5a: TYC-738 0-1046-1 CCD (08) (1)	120 Secs (480 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 1, Split 3)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 2, Split 3)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 3, Split 3)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)] [==>(Pattern 4, Split 3)]	[1]	
	<i>Comments: SNR 122 per split</i>									
	3	ACQ/PEAK (STIS.sp.18 39698)	(5) TYC-7380-1046- STIS/CCD, ACQ/PEAK, 52X0.1	G750L 7751 A					3 Secs (3 Secs) [==>]	[1]
	<i>Comments: 2400000 counts</i>									
	4	G750L	(5) TYC-7380-1046- STIS/CCD, ACCUM, 52X2	G750L 7751 A		POS TARG -0.0492 41721,0		Pattern 1, Exps 4-4 i n Visit 5a: TYC-738 0-1046-1 CCD (08) (1)	30 Secs (120 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]
5	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	
6	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	



Proposal 17078 - Visit 5b: TYC-7380-1046-1 MAMA (09) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:01:00 GMT 2023

Visit	Proposal 17078, Visit 5b: TYC-7380-1046-1 MAMA (09), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA Special Requirements: (none) <i>Comments: check ETC and exposure times</i>									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(2)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=0.372435 Center Pattern=false Line Spacing=		(3)						
(3)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=0.36912 Center Pattern=false Line Spacing=		(2)							
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	TYC-7380-1046-1	RA: 17 36 28.7530 (264.1198042d) Dec: -32 53 16.65 (-32.88796d) Equinox: J2000	Proper Motion RA: -7.93902195617976E-6 sec of time/yr Proper Motion Dec: - 0.0013080000826448668 arcsec/yr Epoch of Position: 2015.5	V=10.7 U=11.88, SDSS_R=0.316 Jy	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, B3-B5 V-IV, MAIN SEQUENCE O]										
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.181 2411)	(5) TYC-7380-1046-1	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs)	
									[==>]	[1]
	2	G140L (STIS.sp.18 12955)	(5) TYC-7380-1046-1	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				Pattern 3, Exps 2-2 in Visit 5b: TYC-7380-1046-1 MAMA (09) (3)	200 Secs (400 Secs) [==>(Pattern 1)] [==>(Pattern 2)]
<i>Comments: SNR 5 per pattern position at 1500A</i>										
3	G230L (STIS.sp.18 12954)	(5) TYC-7380-1046-1	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				Pattern 2, Exps 3-3 in Visit 5b: TYC-7380-1046-1 MAMA (09) (2)	592 Secs (1184 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
<i>Comments: SNR 2.78 per pattern position at 2175A</i>										



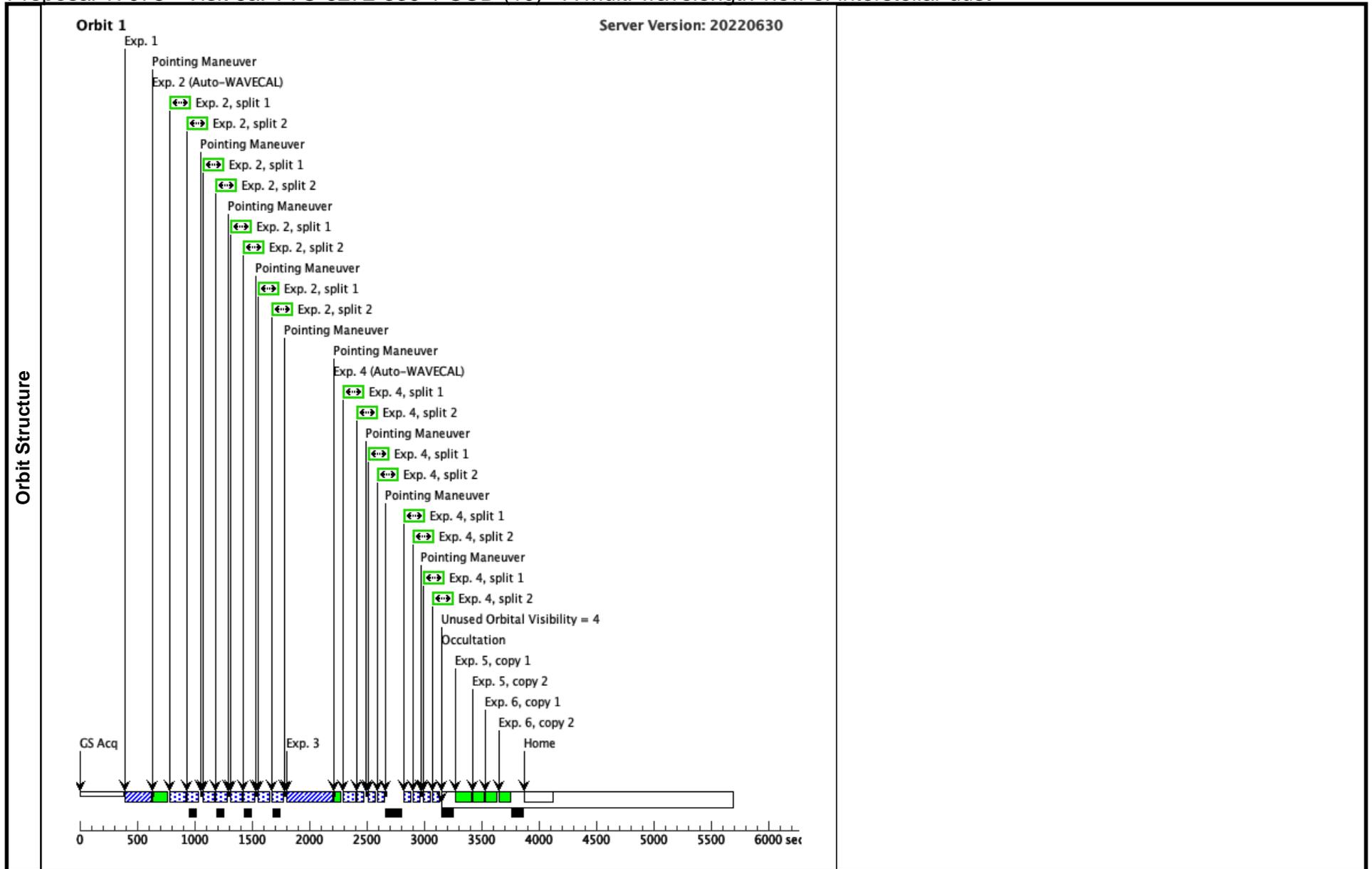
Proposal 17078 - Visit 6a: TYC-6272-339-1 CCD (10) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:01:00 GMT 2023

Visit	Proposal 17078, Visit 6a: TYC-6272-339-1 CCD (10), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none) <i>Comments: added ACQ/PEAK adjusted G430L exp time to allow for ACQ/PEAK time added offset for G750L redid ETC and ACQ/Peak exp time</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=4 Angle Between Sides= Point Spacing=0.5327175 Center Pattern=false Line Spacing=		(2), (4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	TYC-6272-339-1	RA: 18 11 29.8485 (272.8743687d) Dec: -20 17 7.59 (-20.28544d) Equinox: J2000	Proper Motion RA: 6.673937235420782E-5 sec of time/yr Proper Motion Dec: -2.7199992018722696E-4 arcsec/yr Epoch of Position: 2015.5	V=11.24 U=12.32, SDSS_R = 0.188 Jy	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[B0-B2 V-IV, B3-B5 V-IV, MAIN SEQUENCE O]</i>					

Proposal 17078 - Visit 6a: TYC-6272-339-1 CCD (10) - A multi-wavelength view of interstellar dust

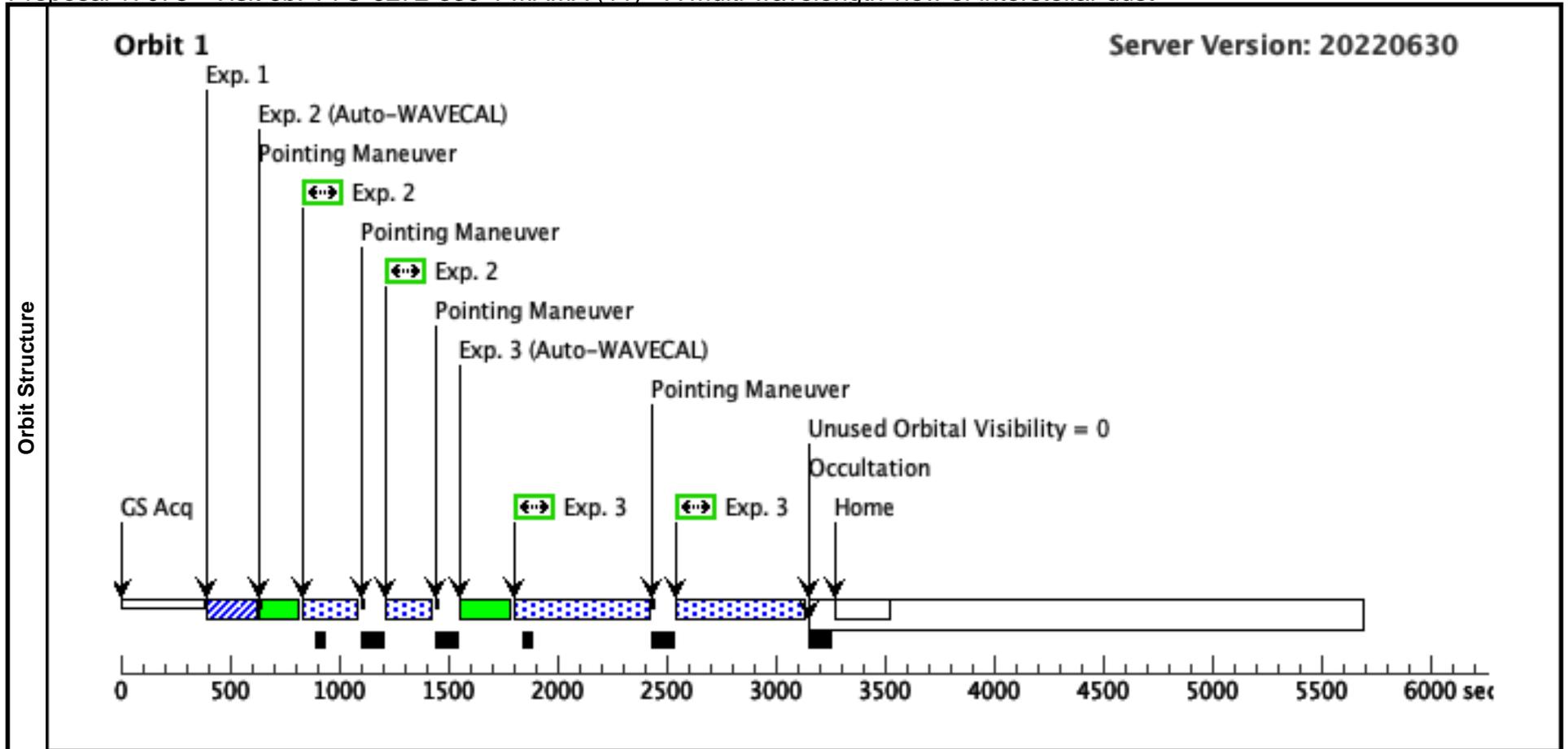
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ (STIS.ta.181 2412)	(6) TYC-6272-339-1	STIS/CCD, ACQ, F28X50LP	MIRROR			0.1 Secs (0.1 Secs) [==>]	[1]	
	2	G430L (STIS.sp.18 39699)	(6) TYC-6272-339-1	STIS/CCD, ACCUM, 52X2	G430L 4300 A		Pattern 1, Exps 2-2 i n Visit 6a: TYC-627 2-339-1 CCD (10) (1)	130 Secs (520 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]	
	<i>Comments: SNR 138 per split</i>									
	3	ACQ/PEAK (STIS.sp.18 39700)	(6) TYC-6272-339-1	STIS/CCD, ACQ/PEAK, 52X0.1	G750L 7751 A				3 Secs (3 Secs) [==>]	[1]
	<i>Comments: 1100000 counts</i>									
	4	G750L (STIS.sp.18 12923)	(6) TYC-6272-339-1	STIS/CCD, ACCUM, 52X2	G750L 7751 A		POS TARG -0.0492 41721,0	Pattern 1, Exps 4-4 i n Visit 6a: TYC-627 2-339-1 CCD (10) (1)	60 Secs (240 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]
<i>Comments: SNR 286 per pattern position</i>										
5	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	
6	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	



Proposal 17078 - Visit 6b: TYC-6272-339-1 MAMA (11) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:01:00 GMT 2023

Visit	Proposal 17078, Visit 6b: TYC-6272-339-1 MAMA (11), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA Special Requirements: (none) <i>Comments: check ETC and exposure times</i>									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.372435 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false			(3)				
(3)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.36912 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false			(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	TYC-6272-339-1	RA: 18 11 29.8485 (272.8743687d) Dec: -20 17 7.59 (-20.28544d) Equinox: J2000	Proper Motion RA: 6.673937235420782E-5 sec of time/yr Proper Motion Dec: -2.7199992018722696E-4 arcsec/yr Epoch of Position: 2015.5	V=11.24 U=12.32, SDSS_R = 0.188 Jy	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, B3-B5 V-IV, MAIN SEQUENCE O]										
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.181 2412)	(6) TYC-6272-339-1	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs)	
									[==>]	[1]
	2	G140L (STIS.sp.18 12956)	(6) TYC-6272-339-1	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				Pattern 3, Exps 2-2 in Visit 6b: TYC-627 2-339-1 MAMA (11) (3)	200 Secs (400 Secs) [==>(Pattern 1)] [==>(Pattern 2)]
<i>Comments: SNR 5.9 per pattern position</i>										
3	G230L (STIS.sp.18 12957)	(6) TYC-6272-339-1	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				Pattern 2, Exps 3-3 in Visit 6b: TYC-627 2-339-1 MAMA (11) (2)	581 Secs (1162 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
<i>Comments: SNR 4.5 per pattern position</i>										



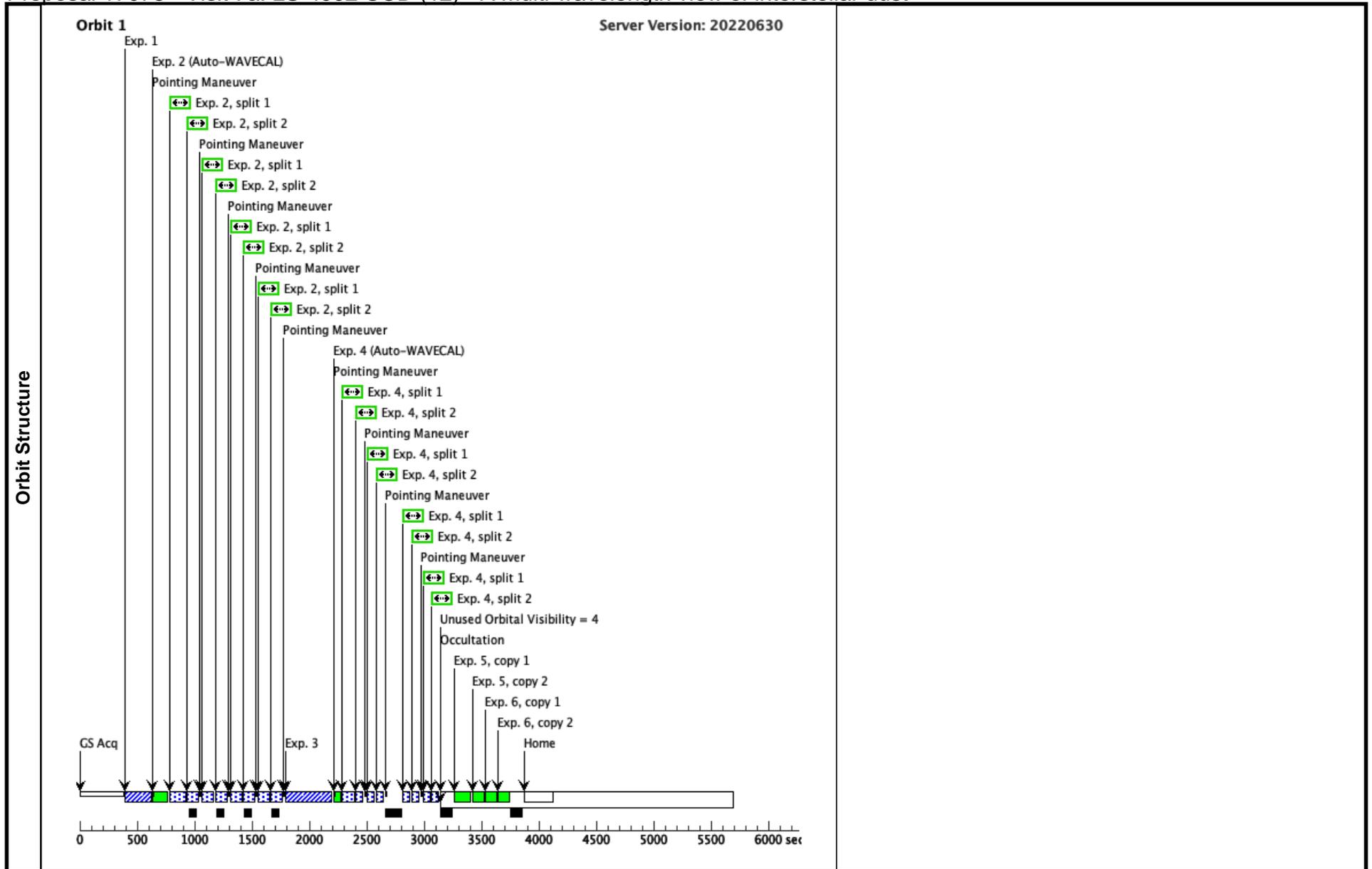
Proposal 17078 - Visit 7a: LS-4992 CCD (12) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:01:00 GMT 2023

Visit	Proposal 17078, Visit 7a: LS-4992 CCD (12), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none) Comments: added ACQ/PEAK adjusted G430L exp time to allow for ACQ/PEAK time added offset for G750L redid ETC and ACQ/Peak exp time					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=4 Angle Between Sides= Point Spacing=0.5327175 Center Pattern=false Line Spacing=		(2), (4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	LS-4992	RA: 18 23 2.5294 (275.7605392d) Dec: -13 20 38.69 (-13.34408d) Equinox: J2000	Proper Motion RA: -6.09796876838482E-5 sec of time/yr Proper Motion Dec: - 0.0020939999558322597 arcsec/yr Epoch of Position: 2015.5	V=11.26 U=12.91, SDSS_R=0.221 Jy	Reference Frame: ICRS
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[B0-B2 V-IV, B3-B5 V-IV, MAIN SEQUENCE O]					

Proposal 17078 - Visit 7a: LS-4992 CCD (12) - A multi-wavelength view of interstellar dust

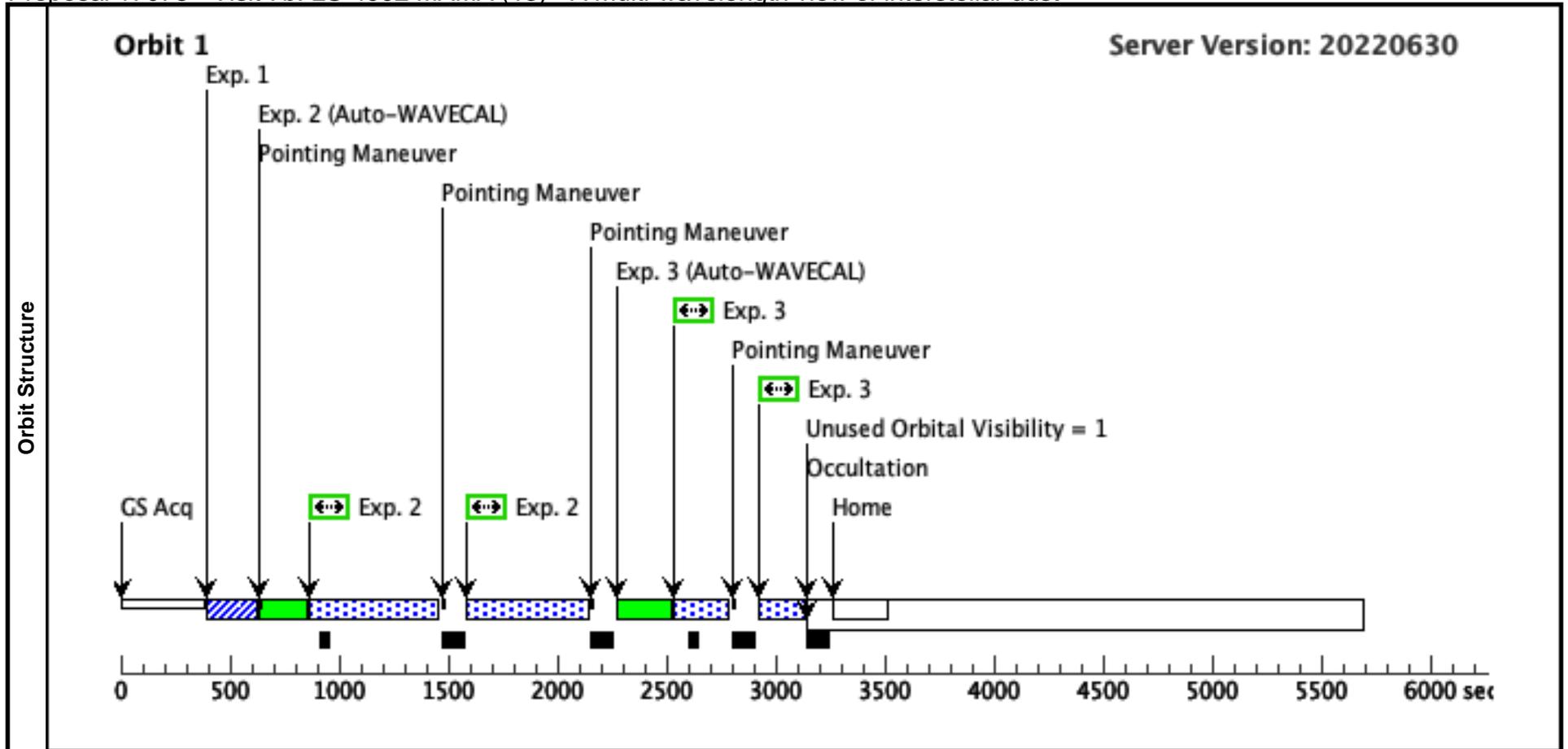
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ (STIS.ta.181 2413)	(7) LS-4992	STIS/CCD, ACQ, F28X50LP	MIRROR			0.1 Secs (0.1 Secs) [==>]	[1]	
	2	G430L (STIS.sp.18 39701)	(7) LS-4992	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=2	Pattern 1, Exps 2-2 i n Visit 7a: LS-4992 CCD (12) (1)	127 Secs (508 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]	
	<i>Comments: SNR 108 per split</i>									
	3	ACQ/PEAK (STIS.sp.18 39702)	(7) LS-4992	STIS/CCD, ACQ/PEAK, 52X0.1	G750L 7751 A				3 Secs (3 Secs) [==>]	[1]
	<i>Comments: 1700000 counts</i>									
	4	G750L (STIS.sp.18 12907)	(7) LS-4992	STIS/CCD, ACCUM, 52X2	G750L 7751 A		POS TARG -0.0492 41721,0	Pattern 1, Exps 4-4 i n Visit 7a: LS-4992 CCD (12) (1)	60 Secs (240 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]
<i>Comments: SNR 328 per pattern position</i>										
5	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	
6	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	



Proposal 17078 - Visit 7b: LS-4992 MAMA (13) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:01:00 GMT 2023

Visit	Proposal 17078, Visit 7b: LS-4992 MAMA (13), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA Special Requirements: (none) <i>Comments: checked etc</i>									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(2)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=0.372435 Center Pattern=false Line Spacing=		(2)						
(3)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=0.36912 Center Pattern=false Line Spacing=		(3)							
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	LS-4992	RA: 18 23 2.5294 (275.7605392d) Dec: -13 20 38.69 (-13.34408d) Equinox: J2000	Proper Motion RA: -6.09796876838482E-5 sec of time/yr Proper Motion Dec: - 0.0020939999558322597 arcsec/yr Epoch of Position: 2015.5	V=11.26 U=12.91, SDSS_R=0.221 Jy	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, B3-B5 V-IV, MAIN SEQUENCE O]										
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.181 2413)	(7) LS-4992	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs)	
									[==>]	[1]
	2	G230L (STIS.sp.18 12917)	(7) LS-4992	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				Pattern 2, Exps 2-2 in Visit 7b: LS-4992 MAMA (13) (2)	548 Secs (1096 Secs)
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
<i>Comments: SNR 0.5 per pattern at 2175 A SNR 15 at 2500 A</i>										
3	G140L (STIS.sp.18 12918)	(7) LS-4992	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				Pattern 3, Exps 3-3 in Visit 7b: LS-4992 MAMA (13) (3)	200 Secs (400 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
<i>Comments: SNR 2.2 per resolution element per pattern position.</i>										

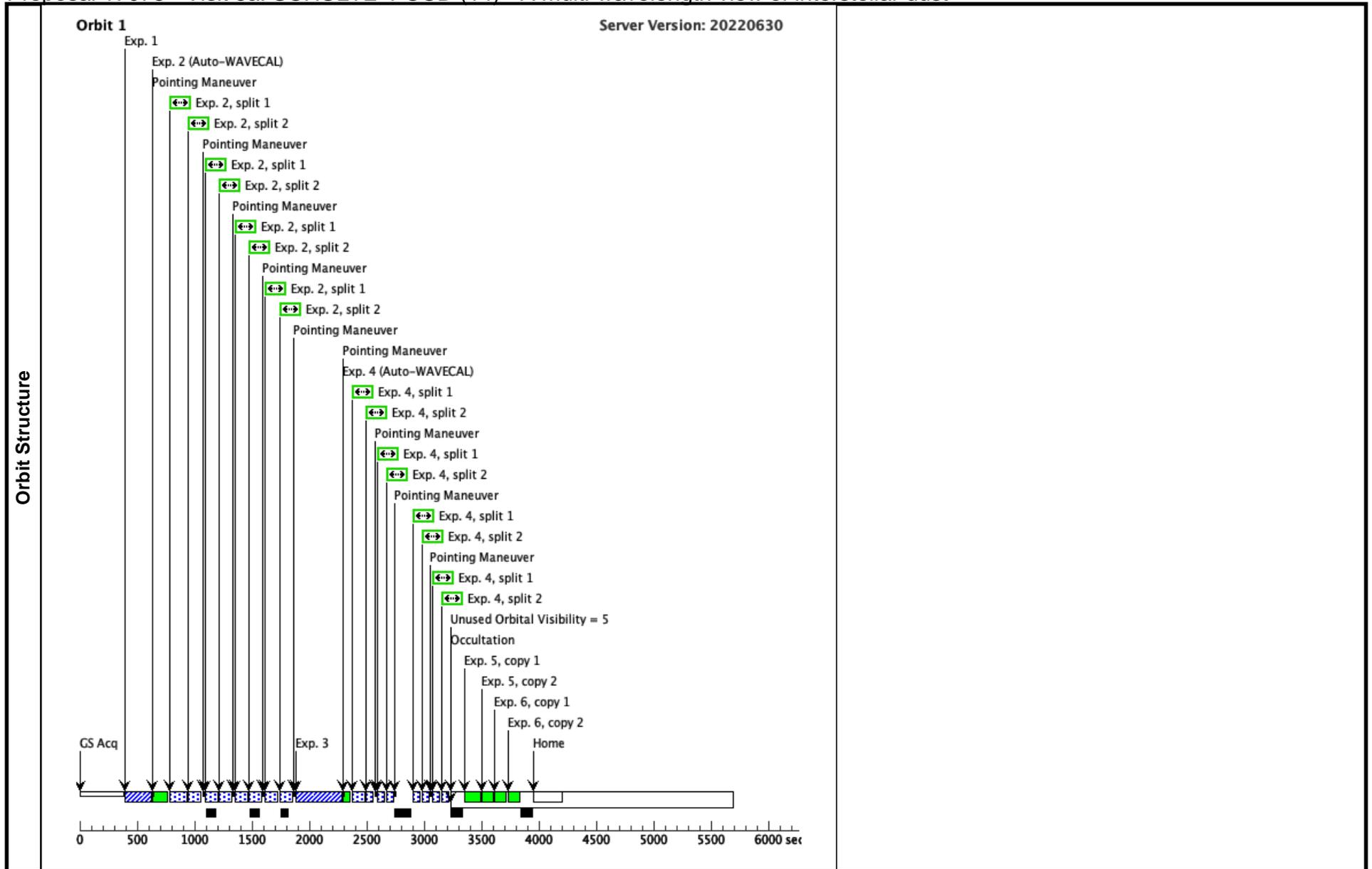


Proposal 17078 - Visit 8a: SCHULTE-1 CCD (14) - A multi-wavelength view of interstellar dust

Visit	Proposal 17078, Visit 8a: SCHULTE-1 CCD (14), implementation Tue Feb 14 15:01:00 GMT 2023					
	Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: ORIENT 345D TO 65 D; ORIENT 165D TO 245 D Comments: added ACQ/PEAK adjusted G430L exp time to allow for ACQ/PEAK time added offset for G750L redid ETC and ACQ/Peak exp time added orientation to enforce slit across both stars (to be HOPRed) 25 +- 40 +180-0					
Patterns	#	Primary Pattern	Secondary Pattern	Exposures		
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=4 Angle Between Sides= Point Spacing=0.5327175 Center Pattern=false Line Spacing=		(2), (4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	SCHULTE-1 Alt Name1: VI-CYG-1	RA: 20 31 10.5418 (307.7939242d) Dec: +41 31 53.45 (41.53151d) Equinox: J2000	Proper Motion RA: -1.6920673789775403E-4 sec of time/yr Proper Motion Dec: -0.004500000090956746 arcsec/yr Epoch of Position: 2015.5	V=11.09 U=12.82, SDSS_R = 0.217 Jy	Reference Frame: ICRS
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[MAIN SEQUENCE O]						

Proposal 17078 - Visit 8a: SCHULTE-1 CCD (14) - A multi-wavelength view of interstellar dust

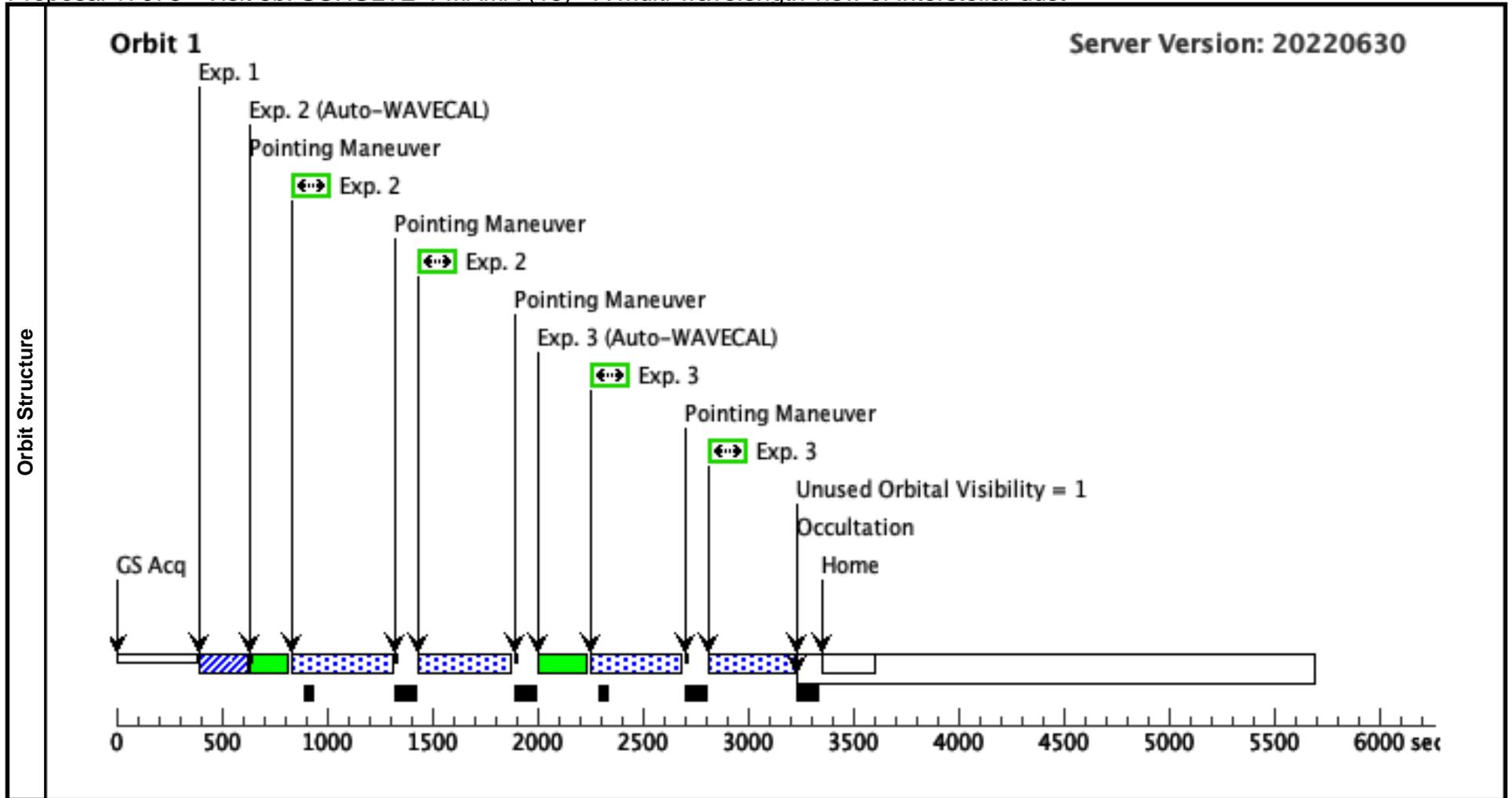
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ (STIS.ta.181 2420)	(8) SCHULTE-1	STIS/CCD, ACQ, F28X50LP	MIRROR			0.1 Secs (0.1 Secs) [==>]	[1]	
	2	G430L (STIS.sp.18 39687)	(8) SCHULTE-1	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=2	Pattern 1, Exps 2-2 in Visit 8a: SCHULTE-1 CCD (14) (1)	150 Secs (600 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]	
	<i>Comments: SNR 150 per split</i>									
	3	ACQ/PEAK (STIS.sp.18 39688)	(8) SCHULTE-1	STIS/CCD, ACQ/PEAK, 52X0.1	G750L 7751 A				3 Secs (3 Secs) [==>]	[1]
	<i>Comments: 1400000 counts [v]</i>									
	4	G750L (STIS.sp.18 12902)	(8) SCHULTE-1	STIS/CCD, ACCUM, 52X2	G750L 7751 A		POS TARG -0.0492 41721,0	Pattern 1, Exps 4-4 in Visit 8a: SCHULTE-1 CCD (14) (1)	60 Secs (240 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]
<i>Comments: SNR 310 per pattern position</i>										
5	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	
6	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	



Proposal 17078 - Visit 8b: SCHULTE-1 MAMA (15) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:01:00 GMT 2023

Visit	Proposal 17078, Visit 8b: SCHULTE-1 MAMA (15), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/NUV-MAMA, STIS/CCD, STIS/FUV-MAMA Special Requirements: SAME ORIENT AS 14 Comments: [v] added G140L, redid ETC added orientation to enforce slit across both stars (to be HOPRed)									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.372435 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false					(3)	
(3)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.36912 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false					(2)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(8)	SCHULTE-1 Alt Name1: VI-CYG-1	RA: 20 31 10.5418 (307.7939242d) Dec: +41 31 53.45 (41.53151d) Equinox: J2000		Proper Motion RA: -1.6920673789775403E-4 sec of time/yr Proper Motion Dec: -0.004500000090956746 arcsec/yr Epoch of Position: 2015.5		V=11.09 U=12.82, SDSS_R = 0.217 Jy		Reference Frame: ICRS	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=/MAIN SEQUENCE O/										
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.181 2420)	(8) SCHULTE-1	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs)	
									[==>]	[1]
	2	G140L (STIS.sp.18 39685)	(8) SCHULTE-1	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A			Pattern 3, Exps 2-2 in Visit 8b: SCHULTE-1 MAMA (15) (3)	425 Secs (850 Secs)	
								[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
Comments: SNR 6.6 per pattern position at 1400 A										
3	G230L (STIS.sp.18 39686)	(8) SCHULTE-1	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A			Pattern 2, Exps 3-3 in Visit 8b: SCHULTE-1 MAMA (15) (2)	396 Secs (792 Secs)		
								[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
Comments: SNR 6.6 per pattern position at 2300 A. SNR 20 at 2500 A										



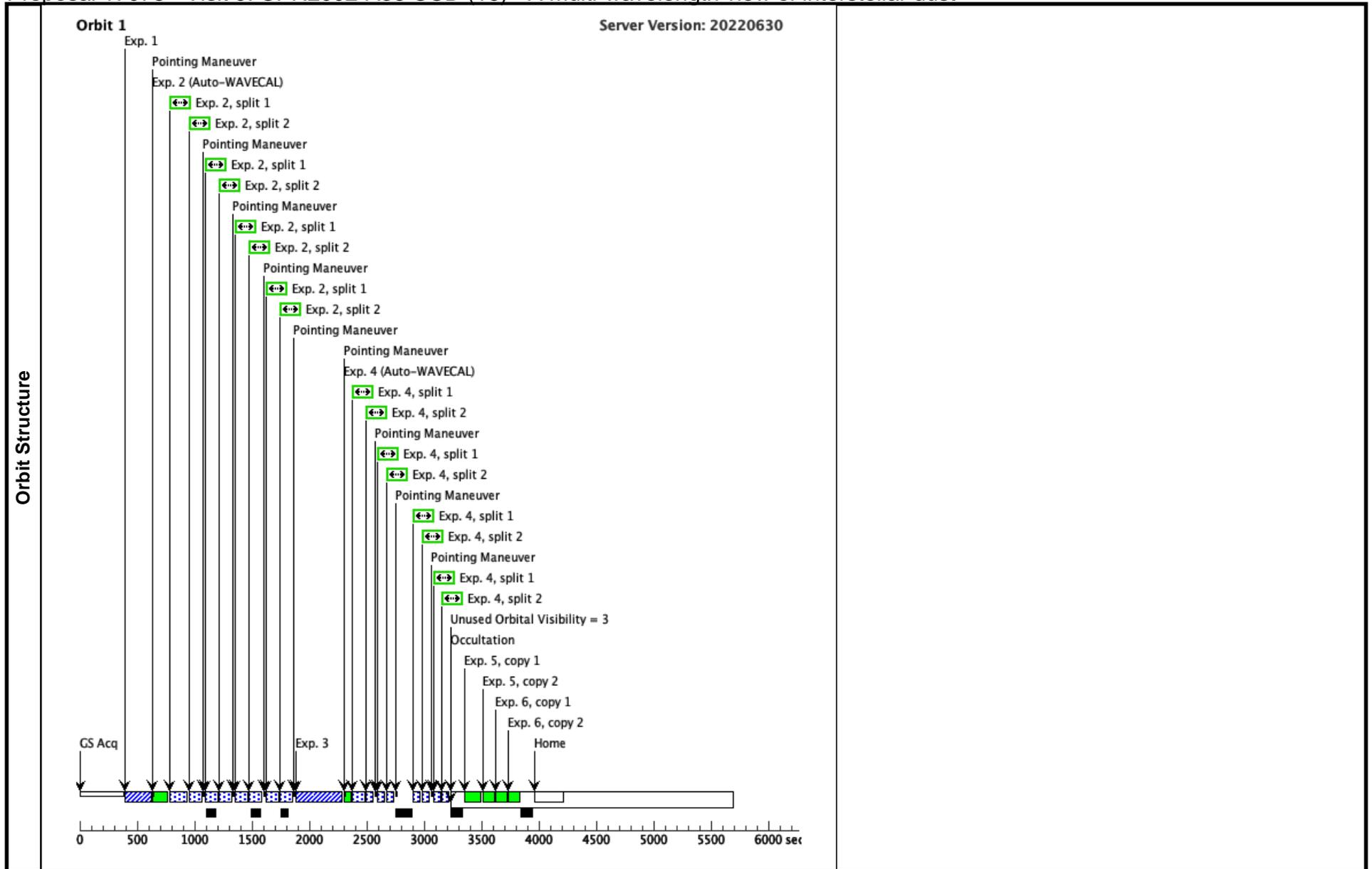
Proposal 17078 - Visit 9: CPR2002-A38 CCD (16) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:01:00 GMT 2023

Visit	Proposal 17078, Visit 9: CPR2002-A38 CCD (16), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none) Comments: added ACQ/PEAK adjusted G430L exp time to allow for ACQ/PEAK time added offset for G750L redid ETC and ACQ/Peak exp time					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=4 Angle Between Sides= Point Spacing=0.5327175 Center Pattern=false Line Spacing=		(2), (4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	CPR2002-A38	RA: 20 32 34.8623 (308.1452596d) Dec: +40 56 17.26 (40.93813d) Equinox: J2000	Proper Motion RA: -2.392495692575133E-4 sec of time/yr Proper Motion Dec: -0.004976999957762018 arcsec/yr Epoch of Position: 2015.5	V=12.3 SDSS_U=0.000567 Jy, SDSS_R=0.0268 Jy	Reference Frame: ICRS
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[MAIN SEQUENCE O]					

Proposal 17078 - Visit 9: CPR2002-A38 CCD (16) - A multi-wavelength view of interstellar dust

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ (STIS.ta.181 2530)	(9) CPR2002-A38	STIS/CCD, ACQ, F28X50LP	MIRROR			0.5 Secs (0.5 Secs) [==>]	[1]	
	2	G430L (STIS.sp.18 39703)	(9) CPR2002-A38	STIS/CCD, ACCUM, 52X2	G430L 4300 A		Pattern 1, Exps 2-2 i n Visit 9: CPR2002- A38 CCD (16) (1)	150 Secs (600 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]	
	<i>Comments: SNR 25 per split</i>									
	3	ACQ/PEAK (STIS.sp.18 39705)	(9) CPR2002-A38	STIS/CCD, ACQ/PEAK, 52X0.1	G750L 7751 A				3 Secs (3 Secs) [==>]	[1]
	<i>Comments: 340000 counts total</i>									
	4	G750L (STIS.sp.18 12900)	(9) CPR2002-A38	STIS/CCD, ACCUM, 52X2	G750L 7751 A		POS TARG -0.0492 41721,0	Pattern 1, Exps 4-4 i n Visit 9: CPR2002- A38 CCD (16) (1)	60 Secs (240 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]
<i>Comments: SNR 134 per pattern position</i>										
5	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	
6	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	



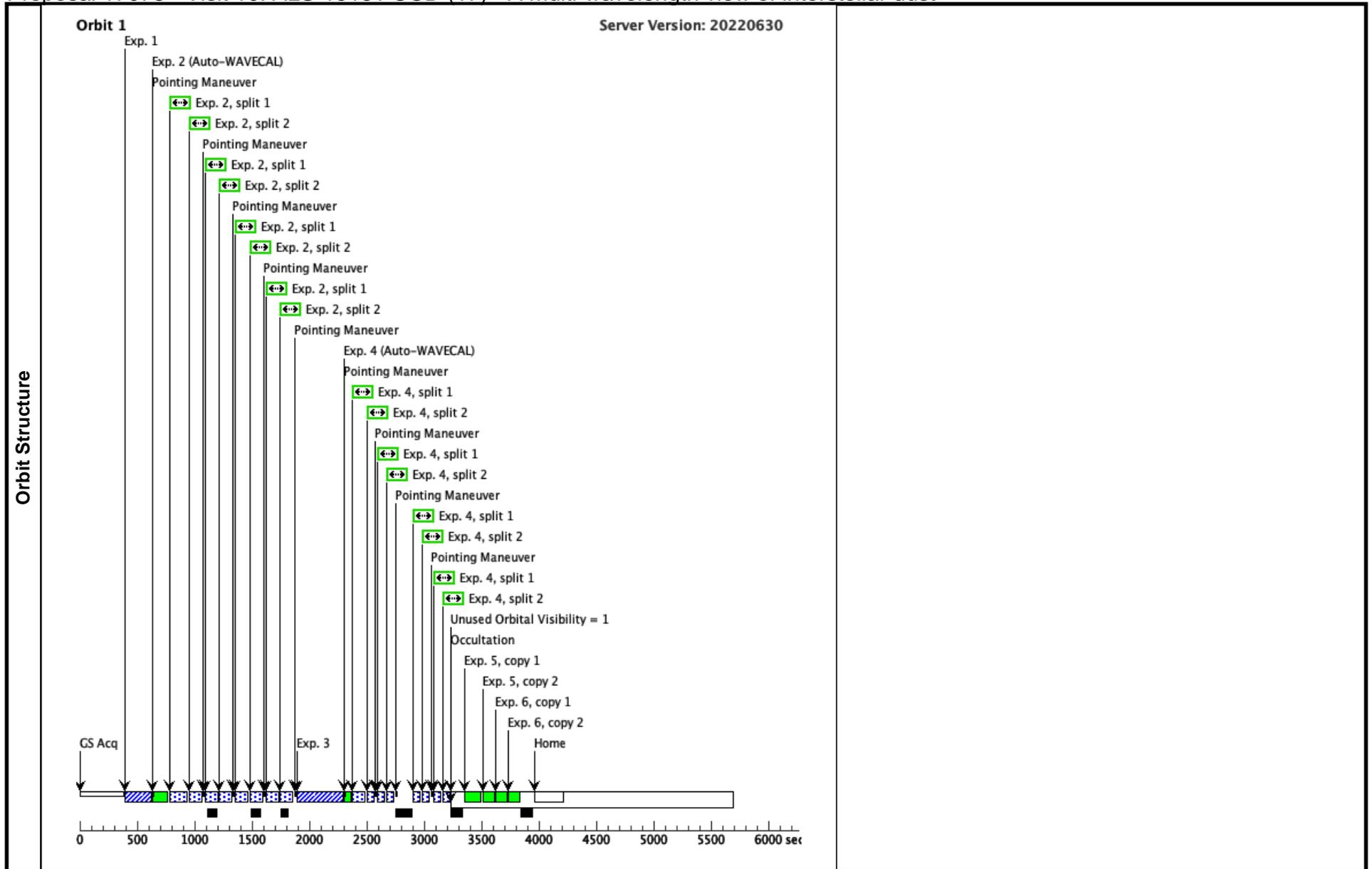
Proposal 17078 - Visit 10: ALS-15181 CCD (17) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:01:00 GMT 2023

Visit	Proposal 17078, Visit 10: ALS-15181 CCD (17), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none) Comments: added ACQ/PEAK adjusted G430L exp time to allow for ACQ/PEAK time added offset for G750L redid ETC and ACQ/Peak exp time					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=4 Angle Between Sides= Point Spacing=0.5327175 Center Pattern=false Line Spacing=		(2), (4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	ALS-15181	RA: 20 33 11.0570 (308.2960708d) Dec: +41 10 31.96 (41.17554d) Equinox: J2000	Proper Motion RA: -2.537545068290532E-4 sec of time/yr Proper Motion Dec: -0.004332000025897287 arcsec/yr Epoch of Position: 2015.5	V=14.78 U=17.82, SDSS_R=0.0104 Jy	Reference Frame: ICRS
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[B0-B2 V-IV]					

Proposal 17078 - Visit 10: ALS-15181 CCD (17) - A multi-wavelength view of interstellar dust

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ (STIS.ta.181 2418)	(10) ALS-15181	STIS/CCD, ACQ, F28X50LP	MIRROR			1 Secs (1 Secs) [==>]	[1]	
	2	G430L (STIS.sp.18 39693)	(10) ALS-15181	STIS/CCD, ACCUM, 52X2	G430L 4300 A		Pattern 1, Exps 2-2 in Visit 10: ALS-15181 CCD (17) (1)	150 Secs (600 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]	
	<i>Comments: SNR 8.5 per split</i>									
	3	ACQ/PEAK (STIS.sp.18 39694)	(10) ALS-15181	STIS/CCD, ACQ/PEAK, 52X0.1	G750L 7751 A				3 Secs (3 Secs) [==>]	[1]
	<i>Comments: 142,854.938 counts [v]</i>									
	4	G750L (STIS.sp.18 12897)	(10) ALS-15181	STIS/CCD, ACCUM, 52X2	G750L 7751 A		POS TARG -0.0492 41721,0	Pattern 1, Exps 4-4 in Visit 10: ALS-15181 CCD (17) (1)	60 Secs (240 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]
<i>Comments: SNR 78 per pattern position</i>										
5	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	
6	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	



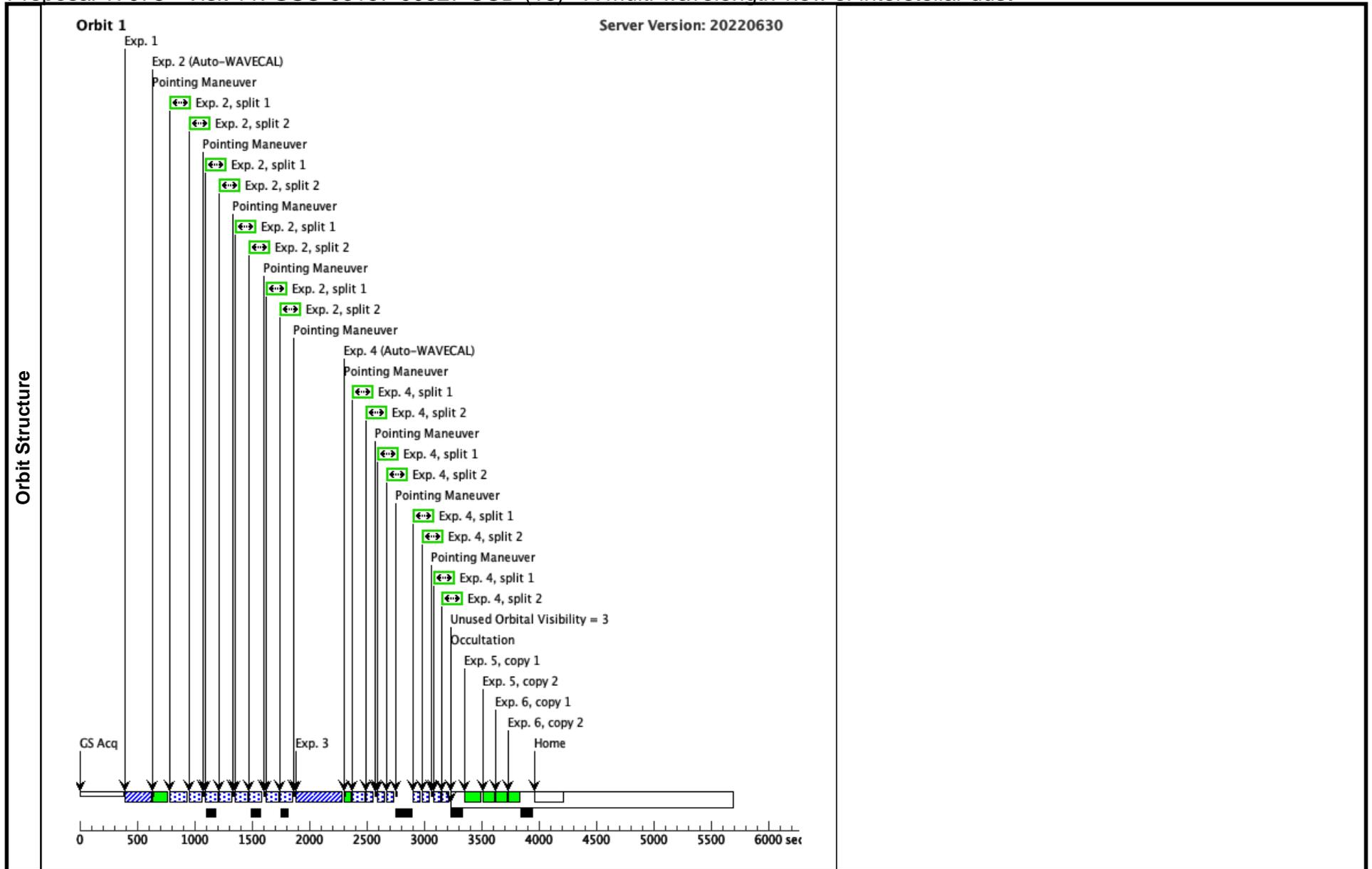
Proposal 17078 - Visit 11: GSC-03157-00327 CCD (18) - A multi-wavelength view of interstellar dust

Tue Feb 14 15:01:00 GMT 2023

Visit	Proposal 17078, Visit 11: GSC-03157-00327 CCD (18), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none) Comments: added ACQ/PEAK adjusted G430L exp time to allow for ACQ/PEAK time added offset for G750L redid ETC and ACQ/Peak exp time					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=4 Angle Between Sides= Point Spacing=0.5327175 Center Pattern=false Line Spacing=		(2), (4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	GSC-03157-00327	RA: 20 33 26.7521 (308.3614671d) Dec: +41 10 59.36 (41.18316d) Equinox: J2000	Proper Motion RA: -2.3217028512077158E-4 sec of time/yr Proper Motion Dec: - 0.0046590000465585035 arcsec/yr Epoch of Position: 2015.5	V=13.0 U= 15.48, SDSS_R=0.041	Reference Frame: ICRS
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[MAIN SEQUENCE O]					

Proposal 17078 - Visit 11: GSC-03157-00327 CCD (18) - A multi-wavelength view of interstellar dust

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ (STIS.ta.181 2524)	(11) GSC-03157-003	STIS/CCD, ACQ, F28X50LP	MIRROR			0.5 Secs (0.5 Secs) [==>]	[1]	
	2	G430L (STIS.sp.18 39692)	(11) GSC-03157-003	STIS/CCD, ACCUM, 52X2	G430L 4300 A		Pattern 1, Exps 2-2 i n Visit 11: GSC-031 57-00327 CCD (18) (1)	150 Secs (600 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]	
	<i>Comments: SNR 35 per split</i>									
	3	ACQ/PEAK (STIS.sp.18 39691)	(11) GSC-03157-003	STIS/CCD, ACQ/PEAK, 52X0.1	G750L 7751 A				3 Secs (3 Secs) [==>]	[1]
	<i>Comments: 550000 counts total</i>									
	4	G750L (STIS.sp.18 12892)	(11) GSC-03157-003	STIS/CCD, ACCUM, 52X2	G750L 7751 A	CR-SPLIT=2	POS TARG -0.0492 41721,0	Pattern 1, Exps 4-4 i n Visit 11: GSC-031 57-00327 CCD (18) (1)	60 Secs (240 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]
<i>Comments: SNR 170 per pattern position</i>										
5	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	
6	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	



Proposal 17078 - Visit 12: 2MASS-J20452110+4223513 CCD (19) - A multi-wavelength view of interstellar dust

Visit	Proposal 17078, Visit 12: 2MASS-J20452110+4223513 CCD (19), implementation Tue Feb 14 15:01:00 GMT 2023					
	Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: (none) Comments: added ACQ/PEAK adjusted G430L exp time to allow for ACQ/PEAK time added offset for G750L redid ETC and ACQ/Peak exp time					
Patterns	#	Primary Pattern	Secondary Pattern	Exposures		
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=4 Angle Between Sides= Point Spacing=0.5327175 Center Pattern=false Line Spacing=		(2), (4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(12)	2MASS-J20452110+4223513	RA: 20 45 21.0996 (311.3379150d) Dec: +42 23 51.30 (42.39758d) Equinox: J2000	Proper Motion RA: -1.7666828769693677E-4 sec of time/yr Proper Motion Dec: -0.004372999933366373 arcsec/yr Epoch of Position: 2015.5	V=12.8 SDSS_R=0.0202 Jy	Reference Frame: ICRS
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[B0-B2 V-IV]						

Proposal 17078 - Visit 12: 2MASS-J20452110+4223513 CCD (19) - A multi-wavelength view of interstellar dust

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ (STIS.ta.181 2515)	(12) 2MASS-J20452 110+4223513	STIS/CCD, ACQ, F28X50LP	MIRROR			1 Secs (1 Secs) [==>]	[1]	
	2	G430L (STIS.sp.18 39690)	(12) 2MASS-J20452 110+4223513	STIS/CCD, ACCUM, 52X2	G430L 4300 A		Pattern 1, Exps 2-2 i n Visit 12: 2MASS-J 20452110+4223513 CCD (19) (1)	150 Secs (600 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]	
	<i>Comments: SNR 24 per split</i>									
	3	ACQ/PEAK (STIS.sp.18 39689)	(12) 2MASS-J20452 110+4223513	STIS/CCD, ACQ/PEAK, 52X0.1	G750L 7751 A				3 Secs (3 Secs) [==>]	[1]
	<i>Comments: 234000 counts total</i>									
	4	G750L (STIS.sp.18 12890)	(12) 2MASS-J20452 110+4223513	STIS/CCD, ACCUM, 52X2	G750L 7751 A		POS TARG -0.0492 41721,0	Pattern 1, Exps 4-4 i n Visit 12: 2MASS-J 20452110+4223513 CCD (19) (1)	60 Secs (240 Secs) [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[1]
<i>Comments: SNR = 113.7924 per pattern [v]</i>										
5	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	
6	CCDFLAT f or G750L	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	

