



16280 - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Cycle: 28, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

INVESTIGATORS

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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) 8086	WFC3/UVIS	1	16-Jun-2021 11:00:18.0	yes
02	(2) 30764	WFC3/UVIS	1	16-Jun-2021 11:00:19.0	yes
03	(3) 259183	WFC3/UVIS	1	16-Jun-2021 11:00:20.0	yes
04	(4) 76805	WFC3/UVIS	1	16-Jun-2021 11:00:21.0	yes
05	(5) 2006-UA86	WFC3/UVIS	1	16-Jun-2021 11:00:22.0	yes
06	(6) 2004-BQ130	WFC3/UVIS	1	16-Jun-2021 11:00:23.0	yes
56	(6) 2004-BQ130	WFC3/UVIS	1	16-Jun-2021 11:00:24.0	yes
07	(7) 431347	WFC3/UVIS	1	16-Jun-2021 11:00:25.0	yes
08	(8) 2012-BP46	WFC3/UVIS	1	16-Jun-2021 11:00:25.0	yes
09	(9) 2013-MC3	WFC3/UVIS	1	16-Jun-2021 11:00:26.0	yes
10	(10) 395694	WFC3/UVIS	1	16-Jun-2021 11:00:27.0	yes

Proposal 16280 (STScI Edit Number: 1, Created: Wednesday, June 16, 2021 at 10:00:49 AM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
11	(11) 372326	WFC3/UVIS	1	16-Jun-2021 11:00:28.0	yes
12	(12) 406571	WFC3/UVIS	1	16-Jun-2021 11:00:29.0	yes
13	(13) 2006-UT165	WFC3/UVIS	1	16-Jun-2021 11:00:30.0	yes
14	(14) 509472	WFC3/UVIS	1	16-Jun-2021 11:00:31.0	yes
15	(15) 441848	WFC3/UVIS	1	16-Jun-2021 11:00:32.0	yes
16	(16) 2014-BO19	WFC3/UVIS	1	16-Jun-2021 11:00:33.0	yes
17	(17) 493506	WFC3/UVIS	1	16-Jun-2021 11:00:34.0	yes
18	(18) 2014-TO7	WFC3/UVIS	1	16-Jun-2021 11:00:35.0	yes
19	(19) 2002-QC158	WFC3/UVIS	1	16-Jun-2021 11:00:36.0	yes
20	(20) 2009-WN87	WFC3/UVIS	1	16-Jun-2021 11:00:36.0	yes
21	(21) 523449	WFC3/UVIS	1	16-Jun-2021 11:00:37.0	yes
22	(22) 472868	WFC3/UVIS	1	16-Jun-2021 11:00:38.0	yes
23	(23) 2014-OJ292	WFC3/UVIS	1	16-Jun-2021 11:00:39.0	yes
24	(24) 450815	WFC3/UVIS	1	16-Jun-2021 11:00:40.0	yes
25	(25) 2013-QS95	WFC3/UVIS	1	16-Jun-2021 11:00:41.0	yes
26	(26) 2013-RC73	WFC3/UVIS	1	16-Jun-2021 11:00:42.0	yes
27	(27) 2012-GS3	WFC3/UVIS	1	16-Jun-2021 11:00:43.0	yes
28	(28) 2010-ON74	WFC3/UVIS	1	16-Jun-2021 11:00:44.0	yes
29	(29) 2015-PQ312	WFC3/UVIS	1	16-Jun-2021 11:00:45.0	yes
30	(30) 2015-BN521	WFC3/UVIS	1	16-Jun-2021 11:00:45.0	yes
31	(31) 2015-RL192	WFC3/UVIS	1	16-Jun-2021 11:00:46.0	yes
32	(32) 2015-PQ8	WFC3/UVIS	1	16-Jun-2021 11:00:46.0	yes
33	(33) 2016-CG266	WFC3/UVIS	1	16-Jun-2021 11:00:47.0	yes
34	(34) 507147	WFC3/UVIS	1	16-Jun-2021 11:00:47.0	yes
35	(35) 2011-DN20	WFC3/UVIS	1	16-Jun-2021 11:00:48.0	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>
36	(36) 2017-RW39	WFC3/UVIS	1	16-Jun-2021 11:00:48.0	yes
37	(37) 39P	WFC3/UVIS	1	16-Jun-2021 11:00:49.0	yes

38 Total Orbits Used

ABSTRACT

The goal of this project is to probe the nature and origin of the Hilda asteroids, a population of small bodies with orbits in stable mean-motion resonance with Jupiter. We will accomplish this objective by observing and characterizing the physical properties of quasi-Hilda objects, an unstable population hidden among the Hildas. We selected observational targets based on the dynamical study of objects close to Hilda region. Our analysis show that these quasi-Hilda objects are probable Centaur interlopers that migrated inward, temporally residing near the Hildas. We will monitor these objects for low-level activity and acquire their optical colors. Comparison between properties of these groups will provide valuable information about the surface of evolution of Centaurs when placed in a Hilda environment, which will enable us to distinguish if Hildas and Centaurs can share a similar origin, as proposed by dynamical models for the formation and evolution of the solar system.

OBSERVING DESCRIPTION

We have selected a sample of 36 QH targets plus 39P/ Oterma for characterization which require the sensitivity, photo-metric precision, and tight & stable point spread function of the WFC3-UVIS. Targets V-magnitudes, estimated by JPL Horizons, vary between 17 and 23.8 mag during the Cycle 28 observational window. The objects were chosen such that they have estimated magnitude ranges requiring HST's capabilities to image in multiple UVIS Wide-Band filters during a single SNAP ~45-minute observational period. We estimated the exposure times using a blackbody spectrum with a temperature of 5800 K to represent the reflected solar spectrum from the object's surface and/or from reflection from comae dust grains.

We will utilize the UVIS2-C1K1C-SUB subarray to allow acquiring more individual images between buffer dumps. Uncertainties in all target's ephemeris positions are minimal and the ~41' field of view (FOV) is sufficiently large to recover the target and any possible extended emission due to the presence of a coma. The telescope will be dithered between exposures using the same filter to allow for cosmic ray removal. To mitigate the effects of charge transfer efficiency (CTE) losses we have included a post-flash at the end of exposures as described in Section 6.9 of the WFC3 Cycle 28 Instrument Handbook (Dressel 2019). Our requested observations have no constraints for the telescope orientation angle. No on-chip binning will be used, retaining the native pixel scale of 0.04"/pixel resolution. The observation strategy is the following:

Proposal 16280 (STScI Edit Number: 1, Created: Wednesday, June 16, 2021 at 10:00:49 AM Eastern Standard Time) - Overview

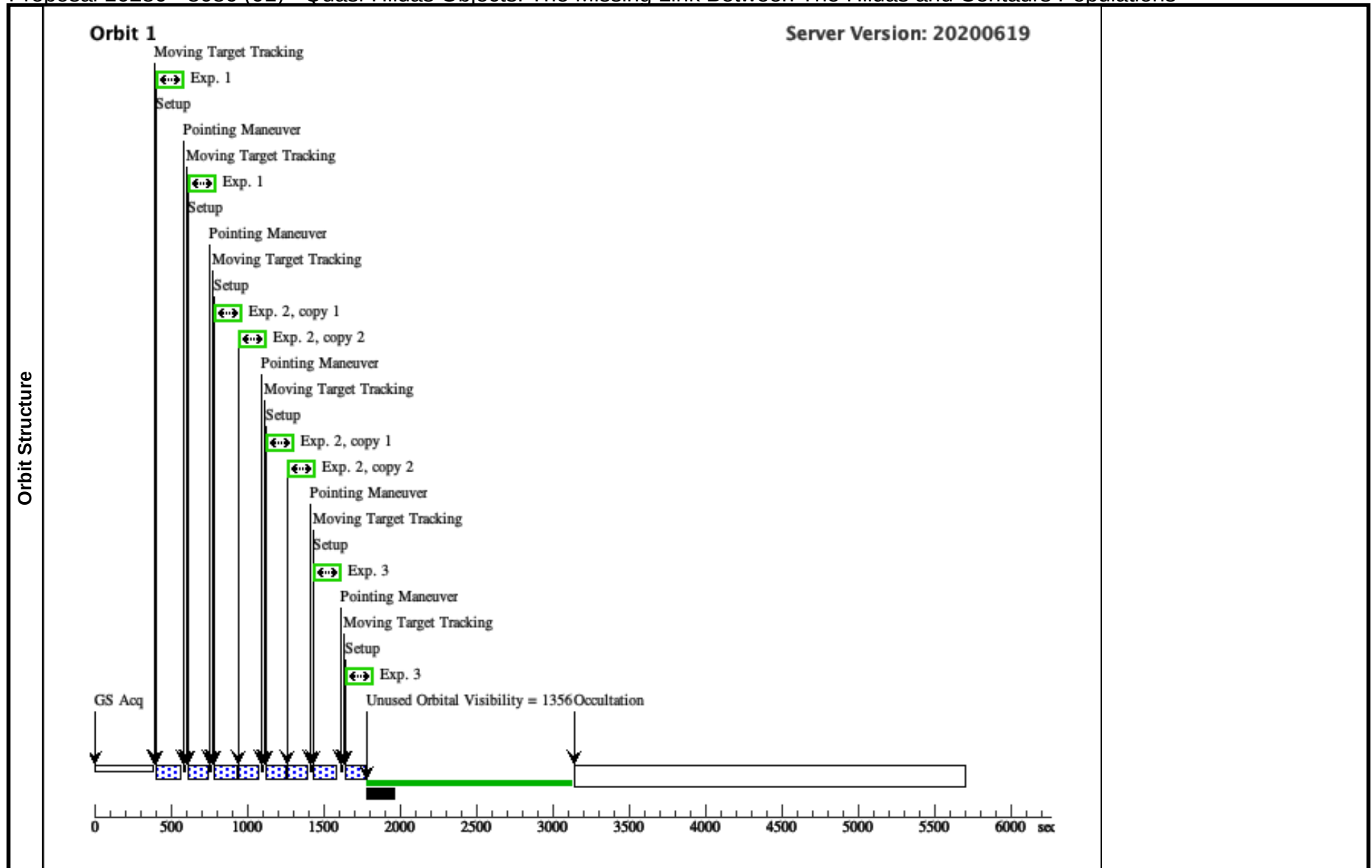
- Objects with $V < 22.5$ mag: Observations will be made with the F475W (SDSS-g), F625W (SDSS-r), and F775W (SDSS-i), following the steps: (1) acquisition of a single exposure in one of the three filters, (2) a telescope dither, (3) acquisition of the second exposure in one of the filters, and (4) change instrument to the second filter and repeat steps (1)-(3).

- For objects with $V > 22.5$ mag: We will acquire images in only F625W filter. We will observe a total of six exposures, always performing a dither between the exposures.

** Note that the targets of this proposal are moving objects and the visual magnitude will vary significantly during the Cycle 28 observational window. Observations are highly preferred when objects are brighter and multi-filter strategy can be performed.

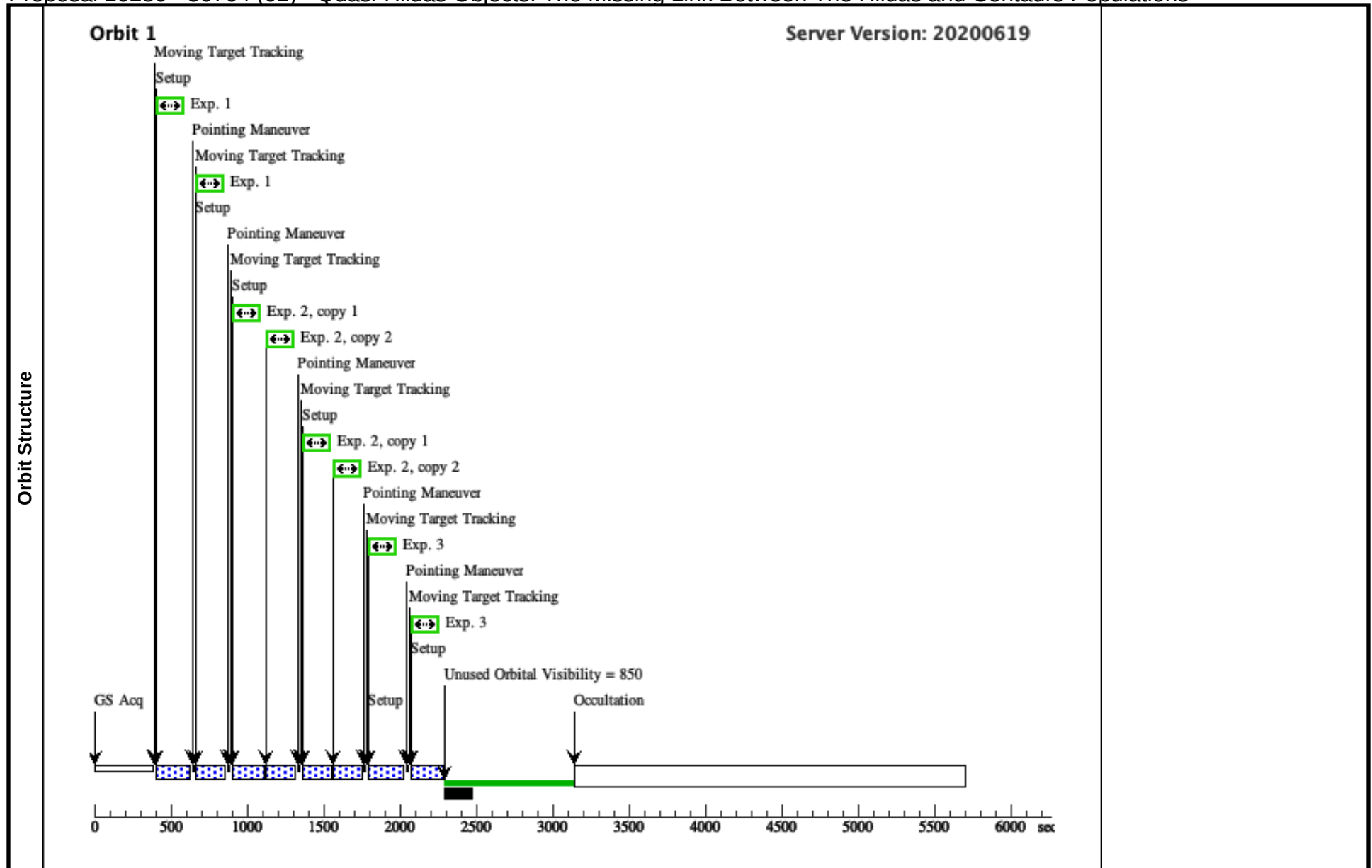
Proposal 16280 - 8086 (01) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 8086 (01), scheduling										Wed Jun 16 15:00:49 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(8086-g (01.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(8086-r (01.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(8086-i (01.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(1)	8086	TYPE=ASTEROID,A=3.936576361804433,E=0.2122387788955127,I=12.15452180328082,O=28.73224510404657,W=289.196313153462,M=59.54320135022893,EQUINOX=J2000,EPOCH=02-APR-2014:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID2 8086 Extended=NO									EARTH	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	8086-g	(1) 8086	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=20		Pattern 1, Exps 1-1 in 8086 (01) (1)	40 Secs (80 Secs)				
									[==>(Pattern 1)]		[1]		
									[==>(Pattern 2)]				
	2	8086-r	(1) 8086	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=19		Pattern 1, Exps 2-2 in 8086 (01) (1)	40 Secs X 2 (160 Secs)				
									[==>(Pattern 1, Copy 1)]		[1]		
								[==>(Pattern 1, Copy 2)]					
								[==>(Pattern 2, Copy 1)]					
								[==>(Pattern 2, Copy 2)]					
3	8086-i	(1) 8086	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=20		Pattern 1, Exps 3-3 in 8086 (01) (1)	45 Secs (90 Secs)					
								[==>(Pattern 1)]		[1]			
								[==>(Pattern 2)]					



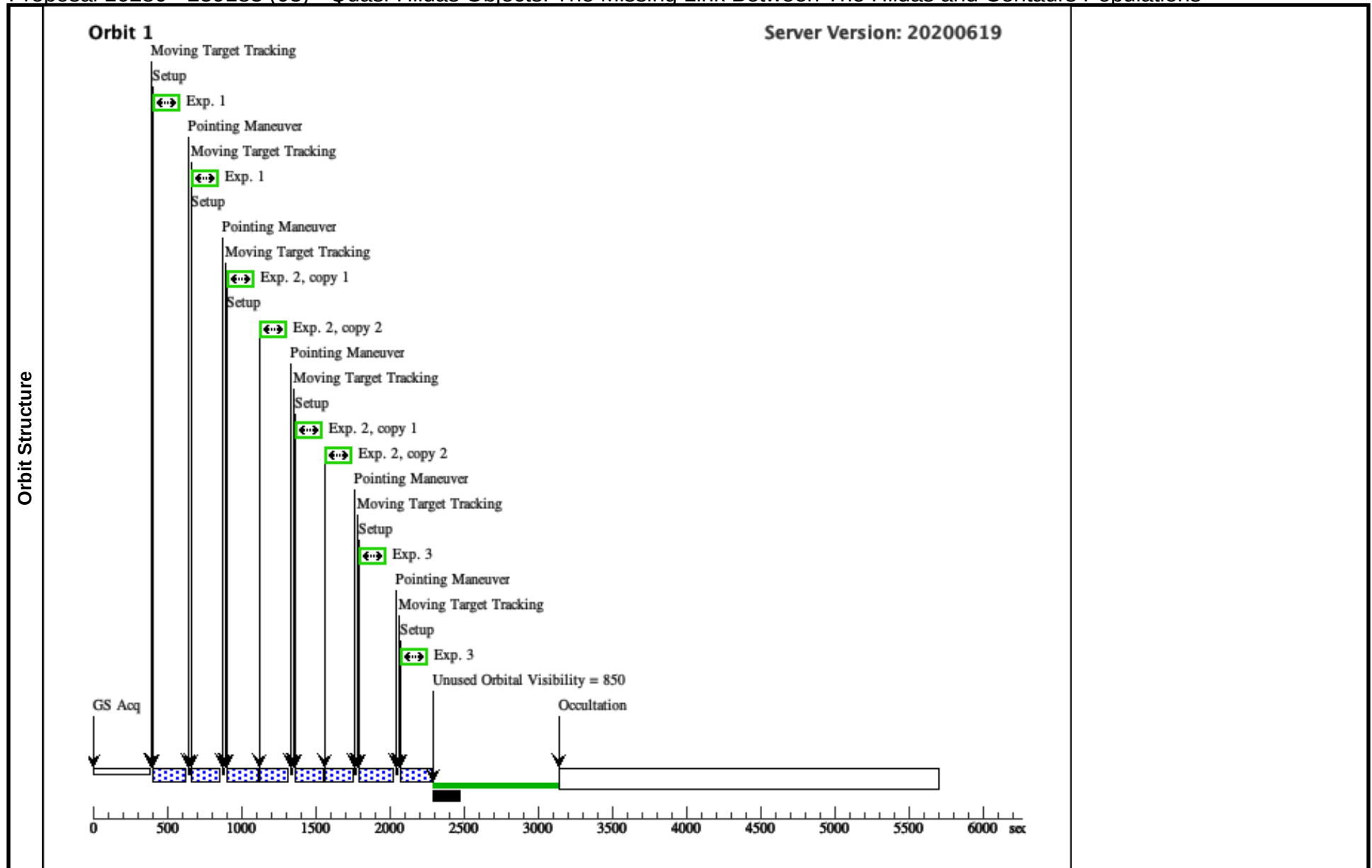
Proposal 16280 - 30764 (02) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 30764 (02), scheduling										Wed Jun 16 15:00:49 GMT 2021	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(30764-g (02.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(30764-r (02.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(30764-i (02.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false									(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
	(2)	30764	TYPE=ASTEROID,A=3.97323620779 7469,E=0.1324171272079264,I=1.960 286816446385 ,O=236.5475984624294,W=288.94951 59019911,M=113.1251155190228,EQ UINOX=J2000,EPOCH=17-FEB-2015:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 30764 Extended=NO				EARTH					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	30764-g	(2) 30764	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=18		Pattern 1, Exps 1-1 in 30764 (02) (1)	100 Secs (200 Secs)			
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			
	2	30764-r	(2) 30764	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=18		Pattern 1, Exps 2-2 in 30764 (02) (1)	100 Secs X 2 (400 Secs)			
									[==>(Pattern 1, Copy 1)]		[1]	
									[==>(Pattern 1, Copy 2)]			
									[==>(Pattern 2, Copy 1)]			
									[==>(Pattern 2, Copy 2)]			
	3	30764-i	(2) 30764	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=18		Pattern 1, Exps 3-3 in 30764 (02) (1)	120 Secs (240 Secs)			
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			



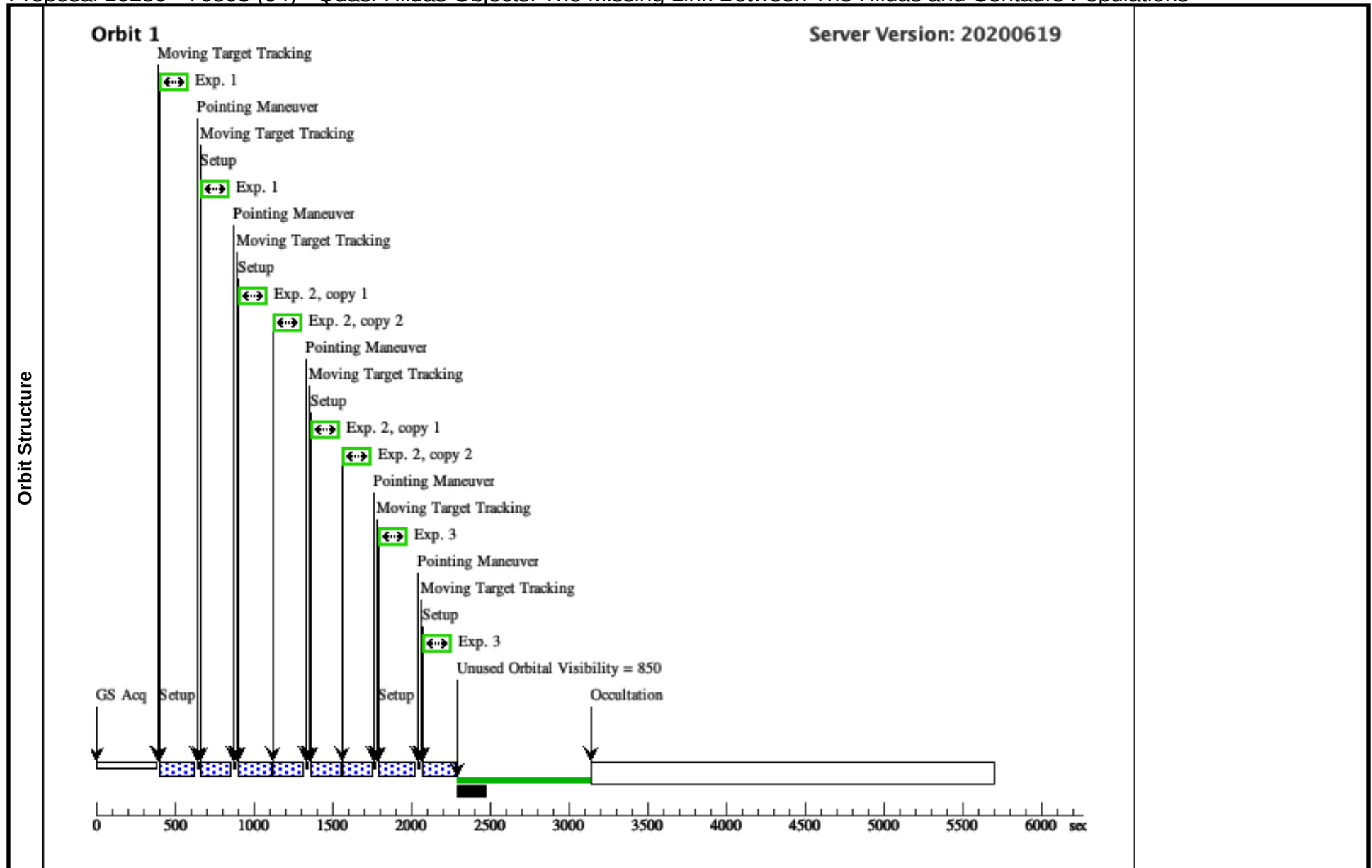
Proposal 16280 - 259183 (03) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 259183 (03), scheduling										Wed Jun 16 15:00:49 GMT 2021	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(259183-g (03.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(259183-r (03.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(259183-i (03.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
	(3)	259183	TYPE=ASTEROID,A=3.98155092784 8294,E=0.1218072037325494,I=10.40 53677872128 ,O=254.5361127966737,W=305.01668 33348351,M=158.156299101696,EQU INOX=J2000,EPOCH=21-NOV- 2016:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 259183 Extended=NO					EARTH				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	259183-g	(3) 259183	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=18		Pattern 1, Exps 1-1 i n 259183 (03) (1)	100 Secs (200 Secs)			
									[==>(Pattern 1)]			
									[==>(Pattern 2)]	[1]		
	2	259183-r	(3) 259183	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=18		Pattern 1, Exps 2-2 i n 259183 (03) (1)	100 Secs X 2 (400 Secs)			
									[==>(Pattern 1, Copy 1)]			
									[==>(Pattern 1, Copy 2)]			
									[==>(Pattern 2, Copy 1)]			
									[==>(Pattern 2, Copy 2)]	[1]		
	3	259183-i	(3) 259183	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=18		Pattern 1, Exps 3-3 i n 259183 (03) (1)	120 Secs (240 Secs)			
									[==>(Pattern 1)]			
									[==>(Pattern 2)]	[1]		



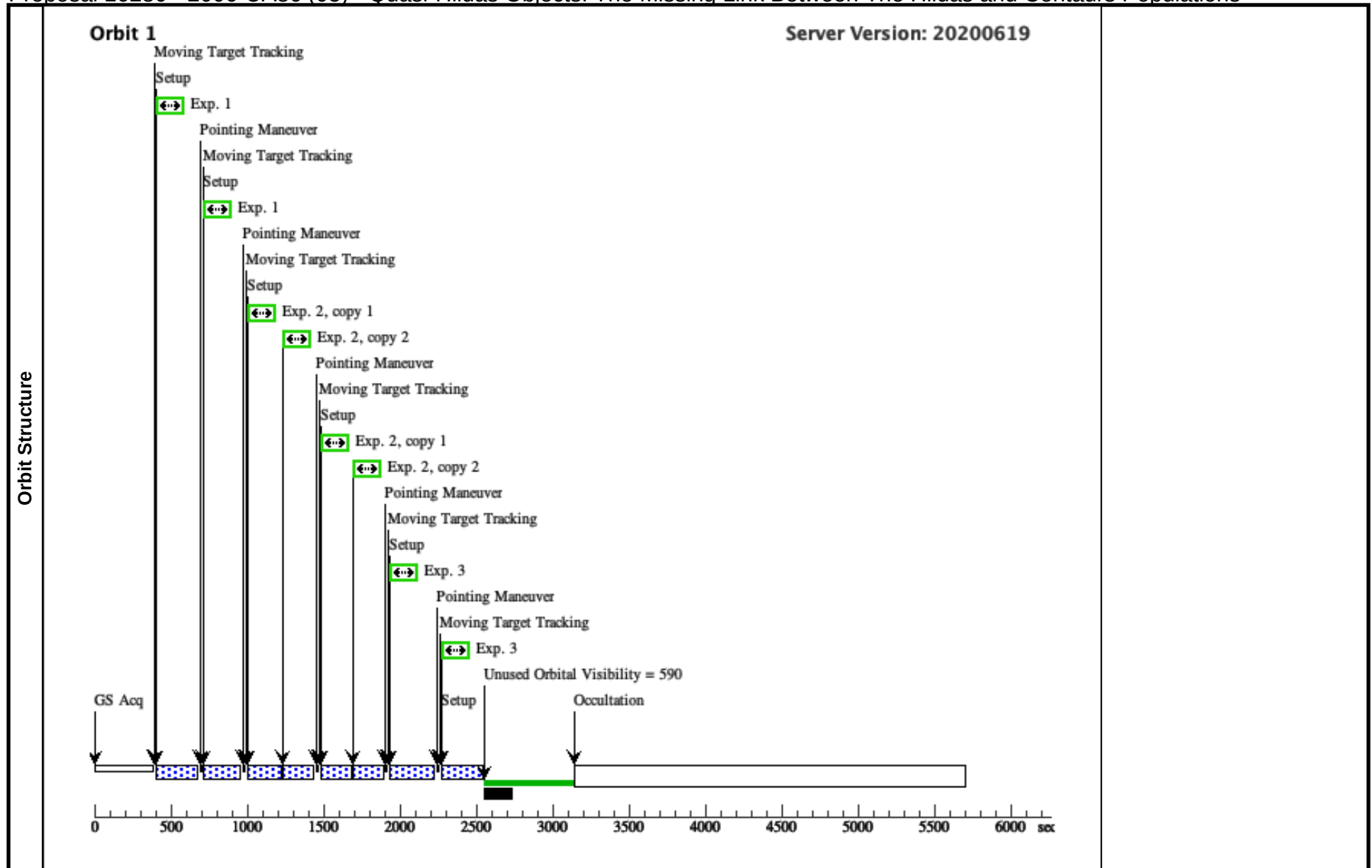
Proposal 16280 - 76805 (04) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 76805 (04), scheduling										Wed Jun 16 15:00:49 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(76805-g (04.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(76805-r (04.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(76805-i (04.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(4)	76805	TYPE=ASTEROID,A=3.96696118374 5789,E=0.1032317529007439,I=3.039 965033947037 ,O=120.1915691817471,W=151.61031 38671643,M=330.7569547645151,EQ UINOX=J2000,EPOCH=15-OCT- 2014:00:00:00,EpochTimeScale=TDB									EARTH	
	Comments: Description=ASTEROID 76805												
	Extended=NO												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	76805-g	(4) 76805	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=18		Pattern 1, Exps 1-1 i n 76805 (04) (1)	100 Secs (200 Secs)				
									[==>(Pattern 1)]		[1]		
									[==>(Pattern 2)]				
	2	76805-r	(4) 76805	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=18		Pattern 1, Exps 2-2 i n 76805 (04) (1)	100 Secs X 2 (400 Secs)				
									[==>(Pattern 1, Copy 1)]		[1]		
									[==>(Pattern 1, Copy 2)]				
								[==>(Pattern 2, Copy 1)]					
								[==>(Pattern 2, Copy 2)]					
3	76805-i	(4) 76805	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=18		Pattern 1, Exps 3-3 i n 76805 (04) (1)	120 Secs (240 Secs)					
								[==>(Pattern 1)]		[1]			
								[==>(Pattern 2)]					



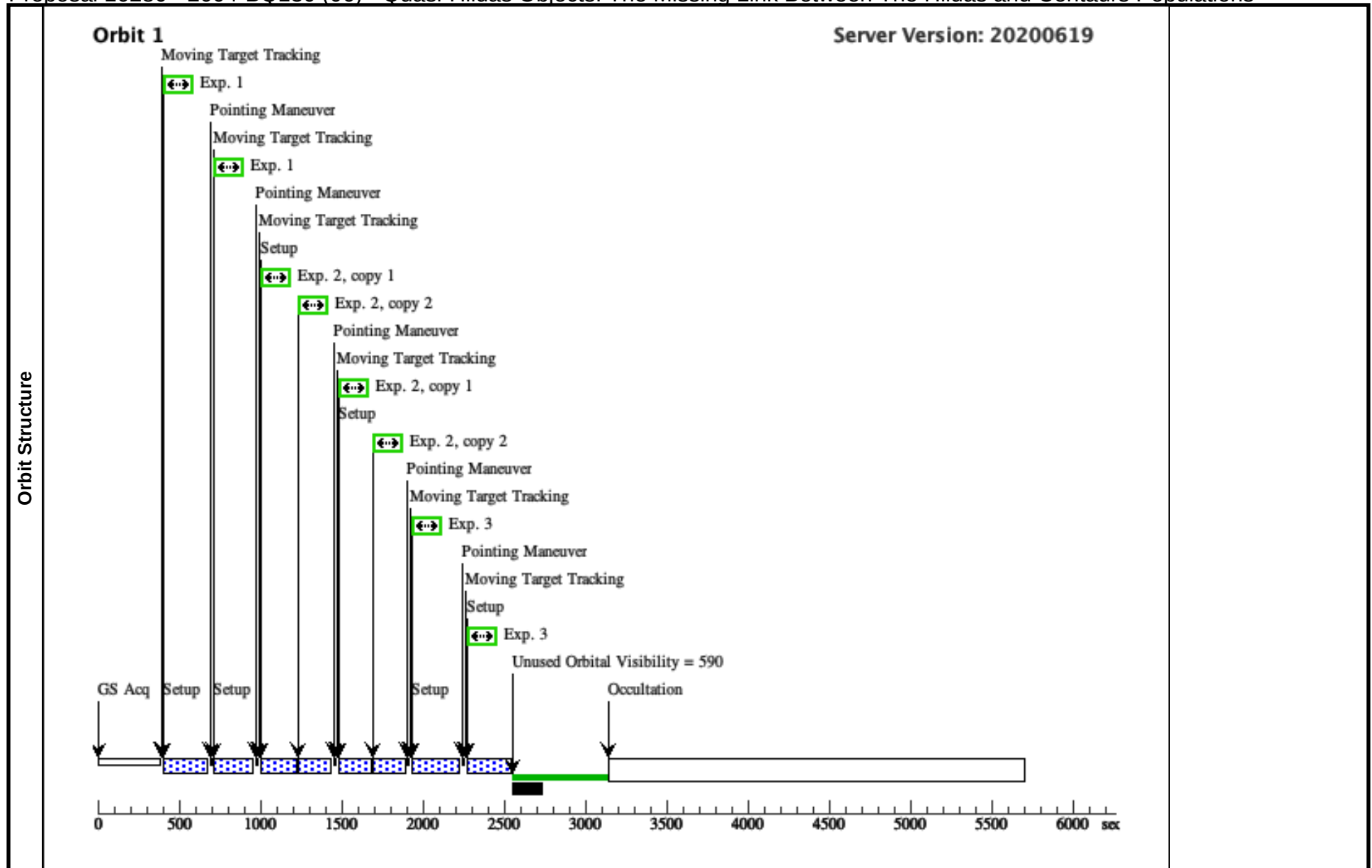
Proposal 16280 - 2006-UA86 (05) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2006-UA86 (05), scheduling										Wed Jun 16 15:00:50 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(2006-UA86-g (05.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2006-UA86-r (05.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2006-UA86-i (05.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(5)	2006-UA86	TYPE=ASTEROID,A=3.89732196049 8253,E=0.2178054563193797,I=4.075 74480573471 ,O=10.2525265280441,W=318.184046 839017,M=94.88551157348759,EQUI NOX=J2000,EPOCH=21-JUN- 2015:00:00:00,EpochTimeScale=TDB					EARTH					
	Comments: Description=ASTEROID 2006-UA86 Extended=NO												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	2006-UA86-g	(5) 2006-UA86	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 2006-UA86 (05) (1)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		
	2	2006-UA86-r	(5) 2006-UA86	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 2006-UA86 (05) (1)	110 Secs X 2 (440 Secs) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]		[1]		
	3	2006-UA86-i	(5) 2006-UA86	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 2006-UA86 (05) (1)	180 Secs (360 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		



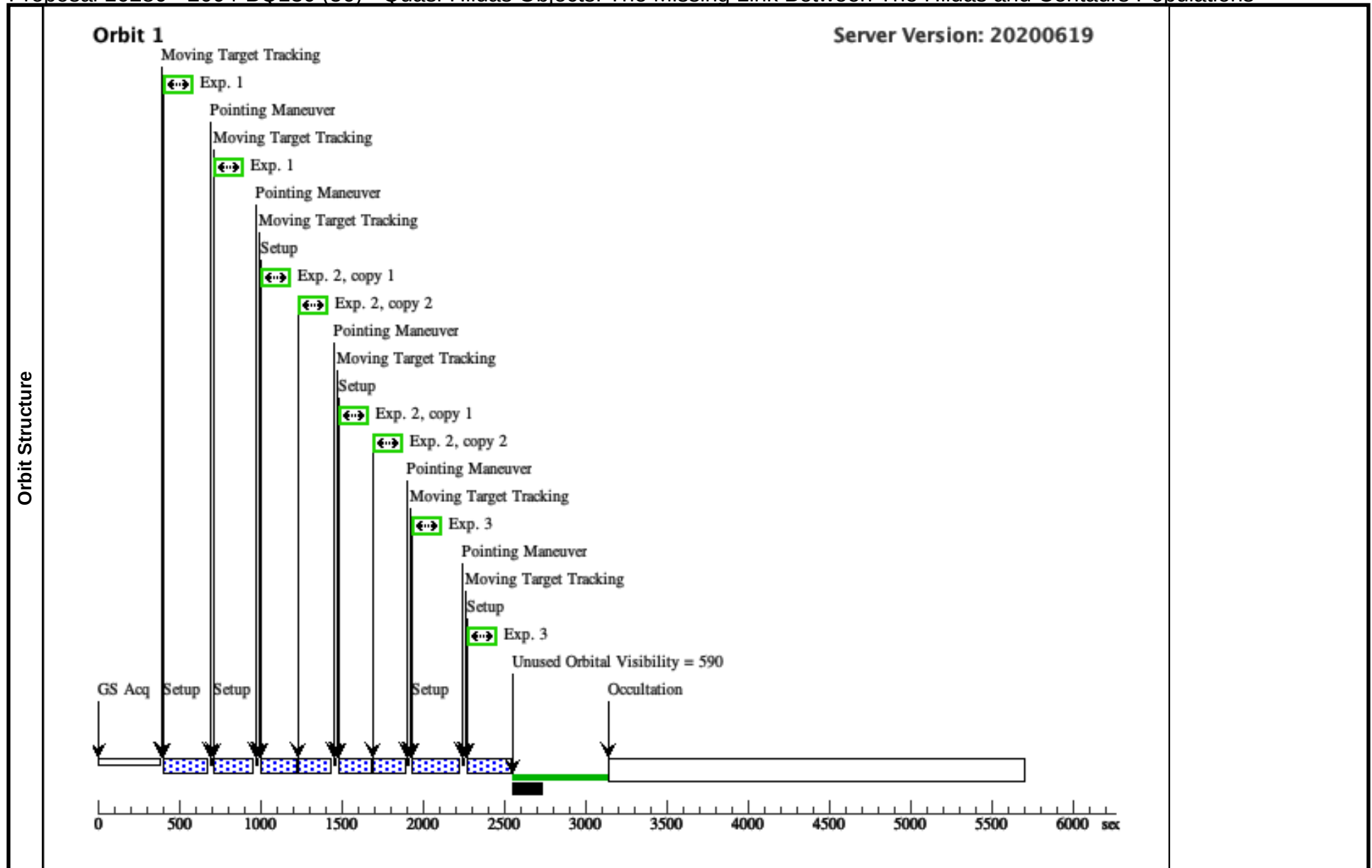
Proposal 16280 - 2004-BQ130 (06) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2004-BQ130 (06), completed										Wed Jun 16 15:00:50 GMT 2021			
	Diagnostic Status: Warning													
	Scientific Instruments: WFC3/UVIS													
	Special Requirements: (none)													
Diagnostics	(2004-BQ130-g (06.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser													
	(2004-BQ130-r (06.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser													
	(2004-BQ130-i (06.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(1), (2), (3)		
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center							
	(6)	2004-BQ130	TYPE=ASTEROID,A=3.986128880266686,E=0.08851876247829603,I=8.190148674374106,O=292.7021676518029,W=286.8259053292174,M=102.4940777585727,EQUINOX=J2000,EPOCH=04-MAR-2016:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 2004-BQ130 Extended=NO	EARTH										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit			
	1	2004-BQ130-g	(6) 2004-BQ130	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 2004-BQ130 (06) (1)	150 Secs (300 Secs) [=>(Pattern 1)] [=>(Pattern 2)]		[1]			
	2	2004-BQ130-r	(6) 2004-BQ130	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 2004-BQ130 (06) (1)	110 Secs X 2 (440 Secs) [=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)]		[1]			
	3	2004-BQ130-i	(6) 2004-BQ130	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 2004-BQ130 (06) (1)	180 Secs (360 Secs) [=>(Pattern 1)] [=>(Pattern 2)]		[1]			



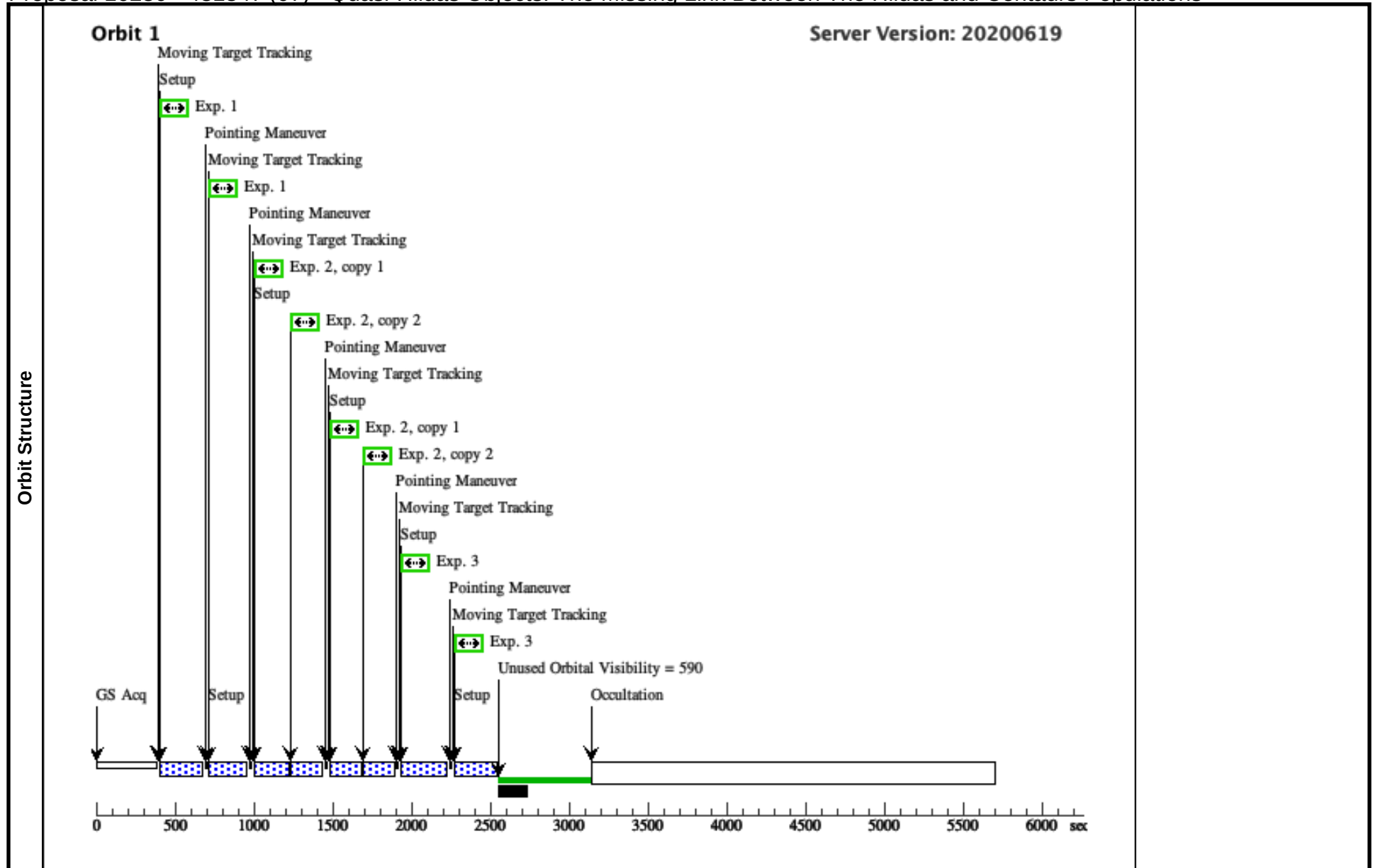
Proposal 16280 - 2004-BQ130 (56) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2004-BQ130 (56)										Wed Jun 16 15:00:50 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Comments: Duplicate of visit 06 which was lost due to HST anomaly													
Diagnostics	(2004-BQ130-g (56.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2004-BQ130-r (56.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2004-BQ130-i (56.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1), (2), (3)		
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(6)	2004-BQ130	TYPE=ASTEROID,A=3.98612888026 6686,E=0.08851876247829603,I=8.19 0148674374106 ,O=292.7021676518029,W=286.82590 53292174,M=102.4940777585727,EQ UINOX=J2000,EPOCH=04-MAR- 2016:00:00:00,EpochTimeScale=TDB									EARTH	
	Comments: Description=ASTEROID 2004-BQ130												
	Extended=NO												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	2004-BQ130-g	(6) 2004-BQ130	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 2004-BQ130 (56) (1)	150 Secs (300 Secs)				
									[=>(Pattern 1)]		[1]		
									[=>(Pattern 2)]				
	2	2004-BQ130-r	(6) 2004-BQ130	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 2004-BQ130 (56) (1)	110 Secs X 2 (440 Secs)				
									[=>(Pattern 1, Copy 1)]		[1]		
								[=>(Pattern 1, Copy 2)]					
								[=>(Pattern 2, Copy 1)]					
								[=>(Pattern 2, Copy 2)]					
3	2004-BQ130-i	(6) 2004-BQ130	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 2004-BQ130 (56) (1)	180 Secs (360 Secs)					
								[=>(Pattern 1)]		[1]			
								[=>(Pattern 2)]					



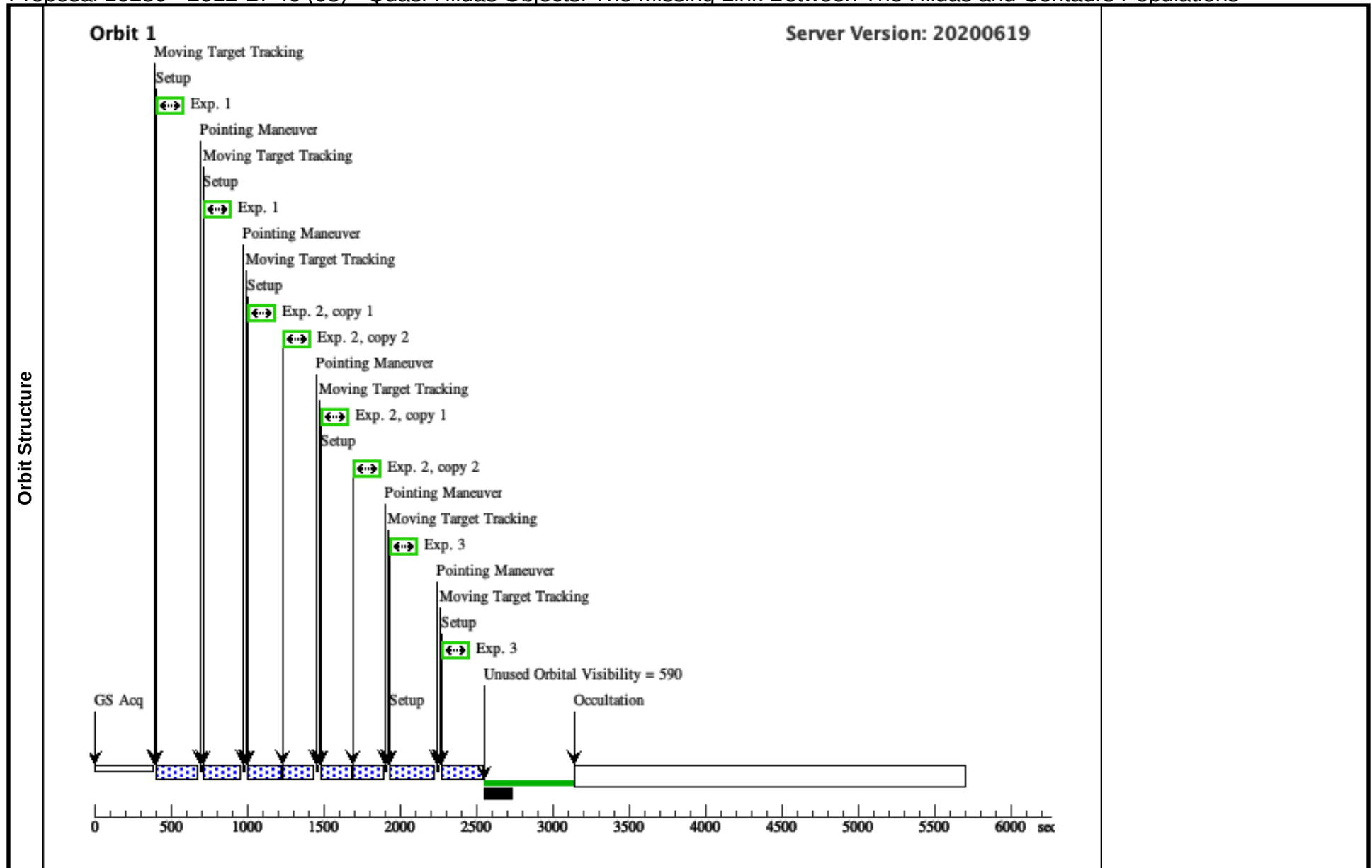
Proposal 16280 - 431347 (07) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 431347 (07), implementation										Wed Jun 16 15:00:50 GMT 2021	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(431347-g (07.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(431347-r (07.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(431347-i (07.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
	(7)	431347	TYPE=ASTEROID,A=3.97227957541 8312,E=0.1901730574973621,I=2.962 357045848728 ,O=178.0171755396976,W=292.13662 43360371,M=305.6191511875755,EQ UINOX=J2000,EPOCH=09-FEB-2013:00:00:00,EpochTimeScale=TDB					EARTH				
	Comments: Description=ASTEROID 431347 Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	431347-g	(7) 431347	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 431347 (07) (1)	150 Secs (300 Secs)			
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			
	2	431347-r	(7) 431347	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 431347 (07) (1)	110 Secs X 2 (440 Secs)			
										[==>(Pattern 1, Copy 1)]		[1]
									[==>(Pattern 1, Copy 2)]			
									[==>(Pattern 2, Copy 1)]			
									[==>(Pattern 2, Copy 2)]			
3	431347-i	(7) 431347	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17			Pattern 1, Exps 3-3 in 431347 (07) (1)	180 Secs (360 Secs)			
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			



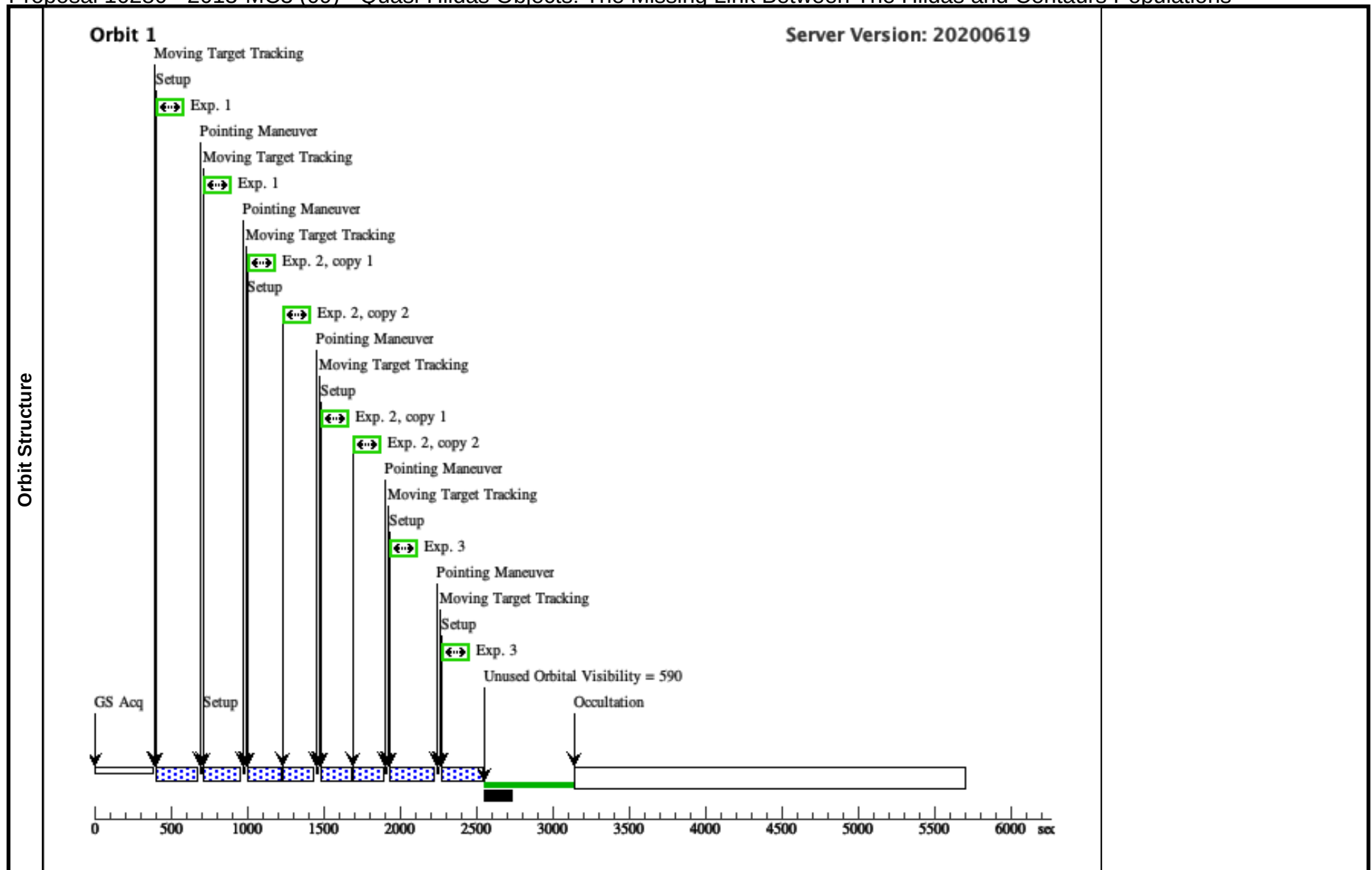
Proposal 16280 - 2012-BP46 (08) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2012-BP46 (08), scheduling										Wed Jun 16 15:00:50 GMT 2021	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(2012-BP46-g (08.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(2012-BP46-r (08.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(2012-BP46-i (08.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
	(8)	2012-BP46	TYPE=ASTEROID,A=3.96287842249 4511,E=0.1538720766036192,I=4.103 887919611582 ,O=106.4593122639965,W=114.25422 58335688,M=92.4413347206811,EQU INOX=J2000,EPOCH=04-DEC- 2015:00:00:00,EpochTimeScale=TDB				EARTH					
	Comments: Description=ASTEROID 2012-BP46 Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	2012-BP46-g	(8) 2012-BP46	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 2012-BP46 (08) (1)	150 Secs (300 Secs)			
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			
	2	2012-BP46-r	(8) 2012-BP46	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 2012-BP46 (08) (1)	110 Secs X 2 (440 Secs)			
									[==>(Pattern 1, Copy 1)]		[1]	
									[==>(Pattern 1, Copy 2)]			
									[==>(Pattern 2, Copy 1)]			
									[==>(Pattern 2, Copy 2)]			
3	2012-BP46-i	(8) 2012-BP46	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17			Pattern 1, Exps 3-3 in 2012-BP46 (08) (1)	180 Secs (360 Secs)			
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			



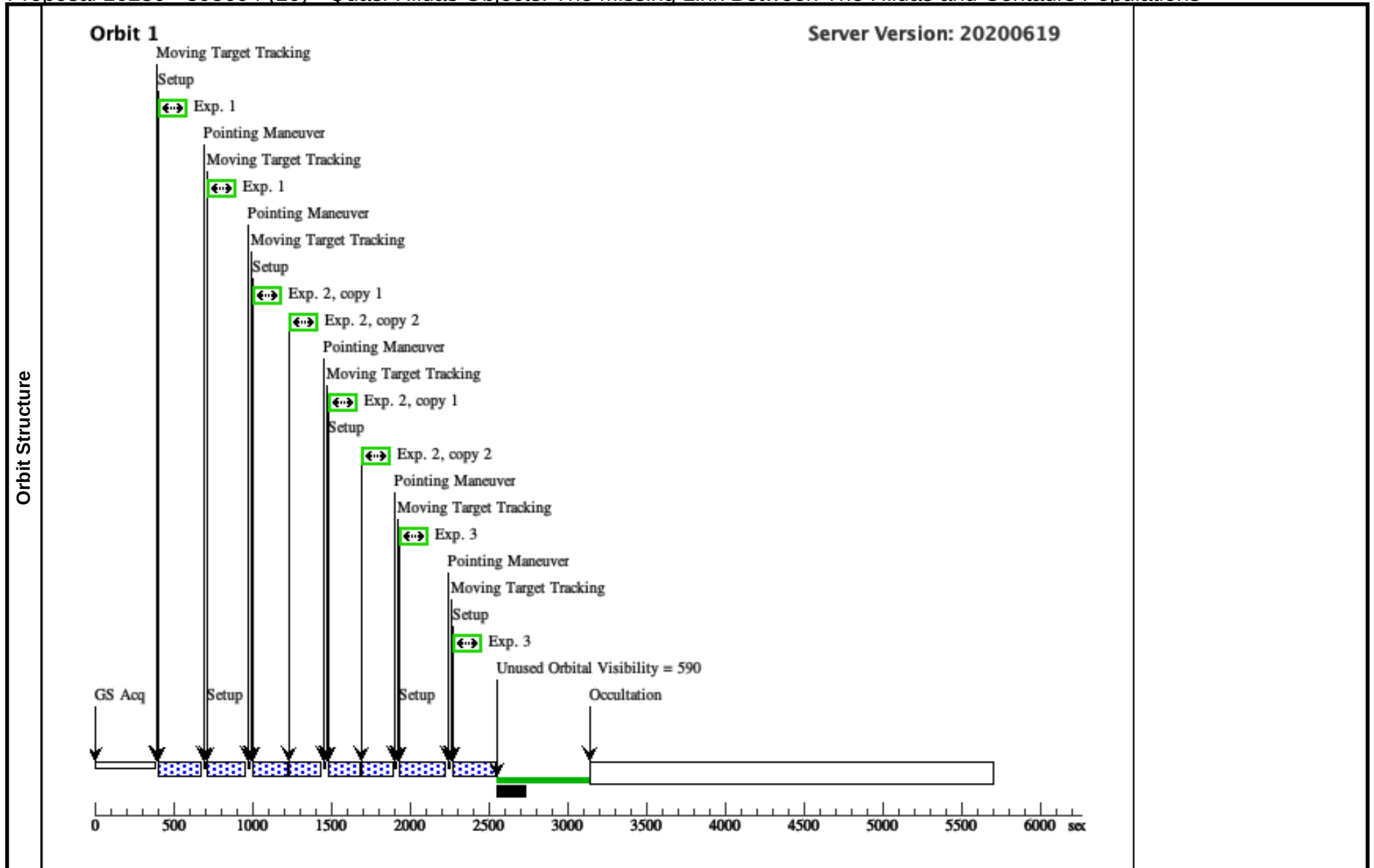
Proposal 16280 - 2013-MC3 (09) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2013-MC3 (09), scheduling										Wed Jun 16 15:00:50 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(2013-MC3-g (09.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2013-MC3-r (09.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2013-MC3-i (09.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(9)	2013-MC3	TYPE=ASTEROID,A=3.974790752021575,E=0.2153481042273327,I=5.95604105891497,O=129.9129389965088,W=226.4043262615521,M=10.07417812060767,EQUINOX=J2000,EPOCH=08-APR-2014:00:00:00,EpochTimeScale=TDB									EARTH	
	Comments: Description=ASTEROID 2013-MC3 Extended=NO												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	2013-MC3-g	(9) 2013-MC3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 2013-MC3 (09) (1)	150 Secs (300 Secs)				
									[==>(Pattern 1)] [==>(Pattern 2)]		[1]		
	2	2013-MC3-r	(9) 2013-MC3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 2013-MC3 (09) (1)	110 Secs X 2 (440 Secs)				
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]		[1]		
	3	2013-MC3-i	(9) 2013-MC3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 2013-MC3 (09) (1)	180 Secs (360 Secs)				
									[==>(Pattern 1)] [==>(Pattern 2)]		[1]		



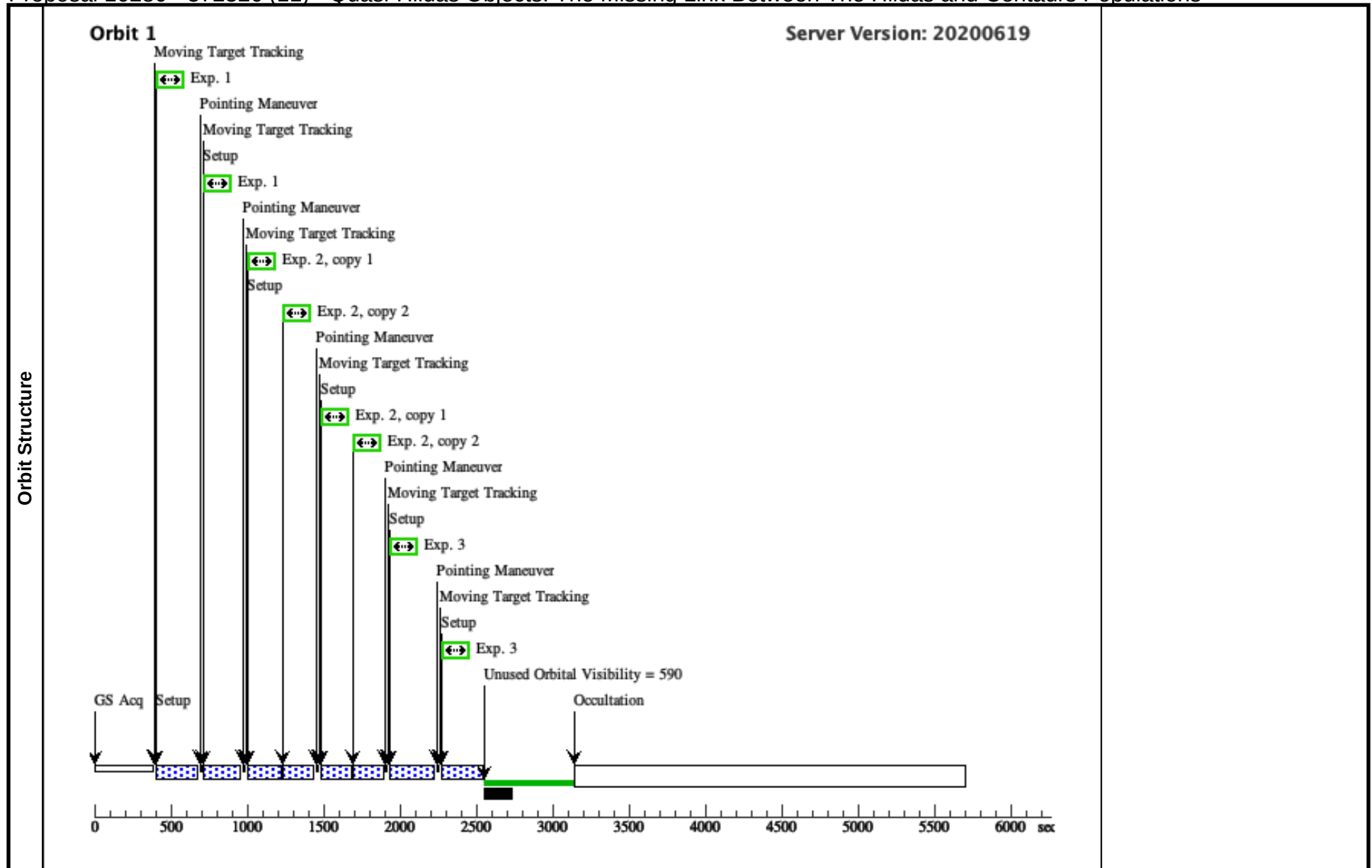
Proposal 16280 - 395694 (10) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 395694 (10), scheduling										Wed Jun 16 15:00:50 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(395694-g (10.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(395694-r (10.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(395694-i (10.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(10)	395694	TYPE=ASTEROID,A=3.986948322456354,E=0.1518977654069983,I=7.473163854664378,O=318.4488111387732,W=1.137435828417234,M=323.8439586530538,EQUINOX=J2000,EPOCH=11-JAN-2016:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID Extended=NO					EARTH					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	395694-g	(10) 395694	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 395694 (10) (1)	150 Secs (300 Secs)				
									[==>(Pattern 1)]				
									[==>(Pattern 2)]	[1]			
	2	395694-r	(10) 395694	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 395694 (10) (1)	110 Secs X 2 (440 Secs)				
									[==>(Pattern 1, Copy 1)]				
									[==>(Pattern 1, Copy 2)]				
									[==>(Pattern 2, Copy 1)]				
									[==>(Pattern 2, Copy 2)]	[1]			
	3	395694-i	(10) 395694	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 395694 (10) (1)	180 Secs (360 Secs)				
									[==>(Pattern 1)]				
									[==>(Pattern 2)]	[1]			



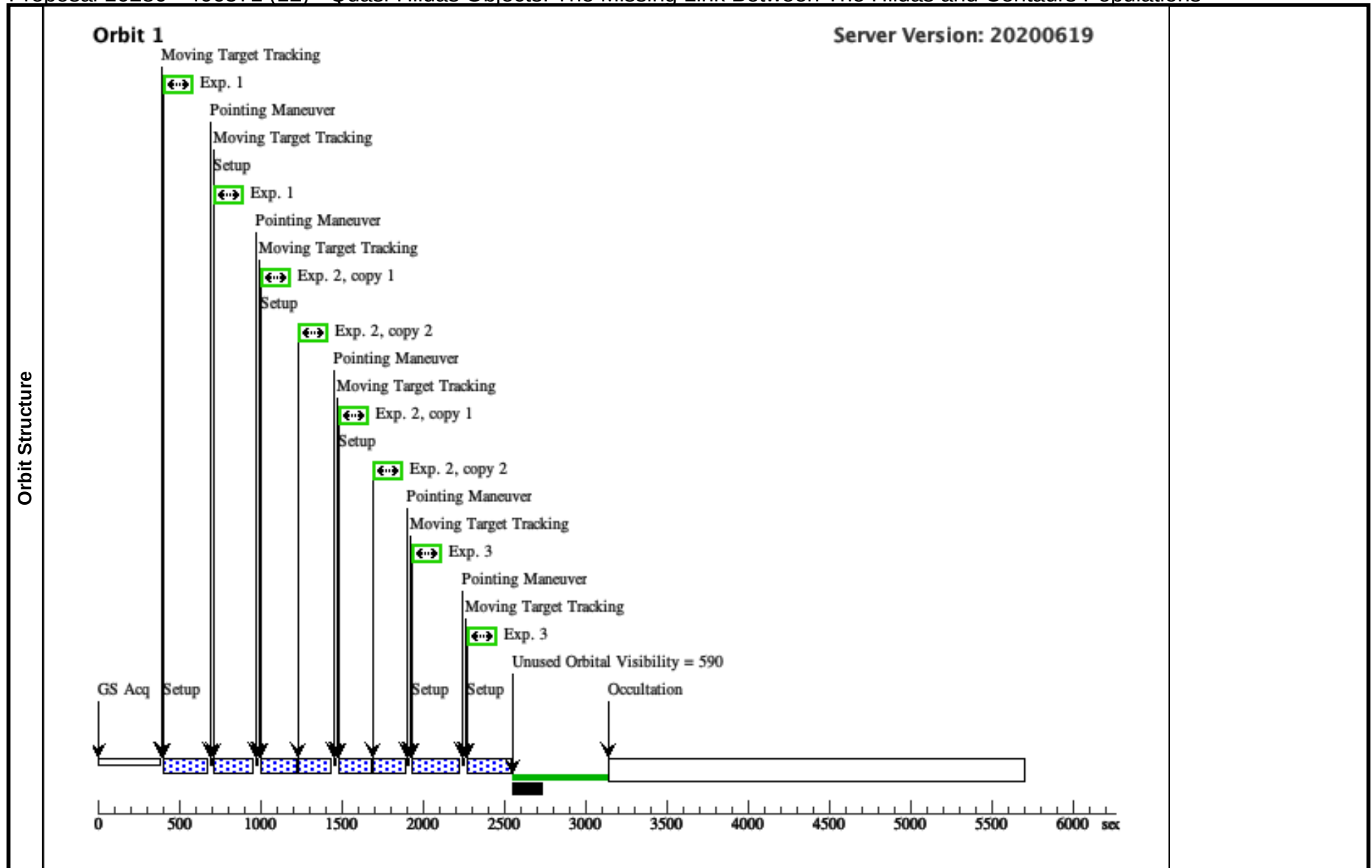
Proposal 16280 - 372326 (11) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 372326 (11), scheduling										Wed Jun 16 15:00:50 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(372326-g (11.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(372326-r (11.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(372326-i (11.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1), (2), (3)		
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(11)	372326	TYPE=ASTEROID,A=3.939449612901741,E=0.1299579198441478,I=5.841299378842914,O=359.5838244110309,W=255.5527105016111,M=196.2193621094541,EQUINOX=J2000,EPOCH=11-AUG-2015:00:00:00,EpochTimeScale=TDB									EARTH	
	Comments: Description=ASTEROID 372326 Extended=NO												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	372326-g	(11) 372326	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 372326 (11) (1)	150 Secs (300 Secs)				
									[==>(Pattern 1)] [==>(Pattern 2)]		[1]		
	2	372326-r	(11) 372326	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 372326 (11) (1)	110 Secs X 2 (440 Secs)				
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]		[1]		
	3	372326-i	(11) 372326	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 372326 (11) (1)	180 Secs (360 Secs)				
									[==>(Pattern 1)] [==>(Pattern 2)]		[1]		



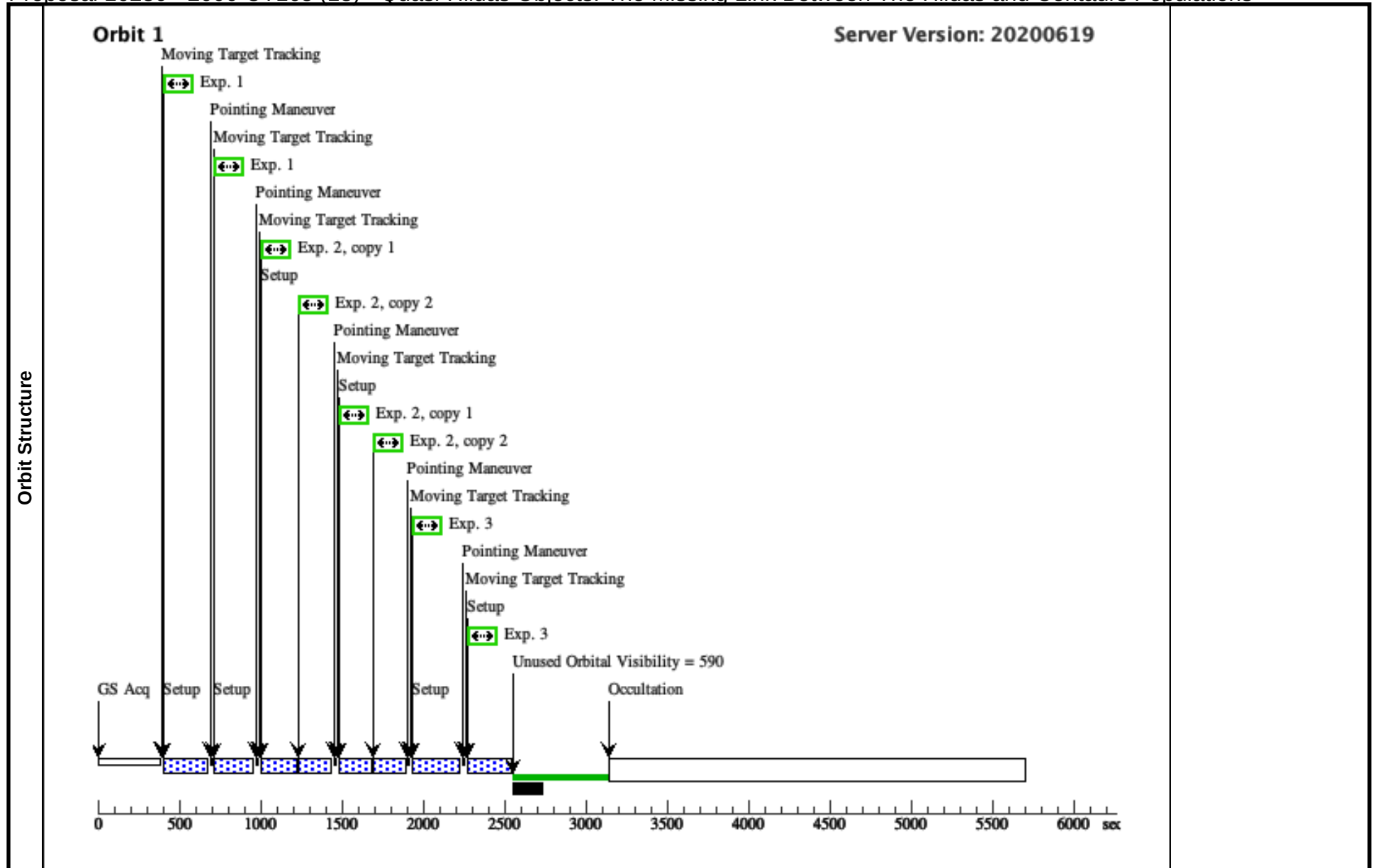
Proposal 16280 - 406571 (12) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 406571 (12), scheduling										Wed Jun 16 15:00:50 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(406571-g (12.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(406571-r (12.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(406571-i (12.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(12)	406571	TYPE=ASTEROID,A=3.95256264480 8456,E=0.2708156235881384,I=10.63 138772172958 ,O=263.5149068418716,W=105.12920 15823875,M=13.94749168675247,EQ UINOX=J2000,EPOCH=28-MAR-2015:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 406571 Extended=NO				EARTH						
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	406571-g	(12) 406571	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 406571 (12) (1)	150 Secs (300 Secs)				
									[==>(Pattern 1)]				
									[==>(Pattern 2)]	[1]			
	2	406571-r	(12) 406571	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 406571 (12) (1)	110 Secs X 2 (440 Secs)				
									[==>(Pattern 1, Copy 1)]				
									[==>(Pattern 1, Copy 2)]				
									[==>(Pattern 2, Copy 1)]	[1]			
									[==>(Pattern 2, Copy 2)]				
3	406571-i	(12) 406571	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17			Pattern 1, Exps 3-3 in 406571 (12) (1)	180 Secs (360 Secs)				
									[==>(Pattern 1)]				
									[==>(Pattern 2)]	[1]			



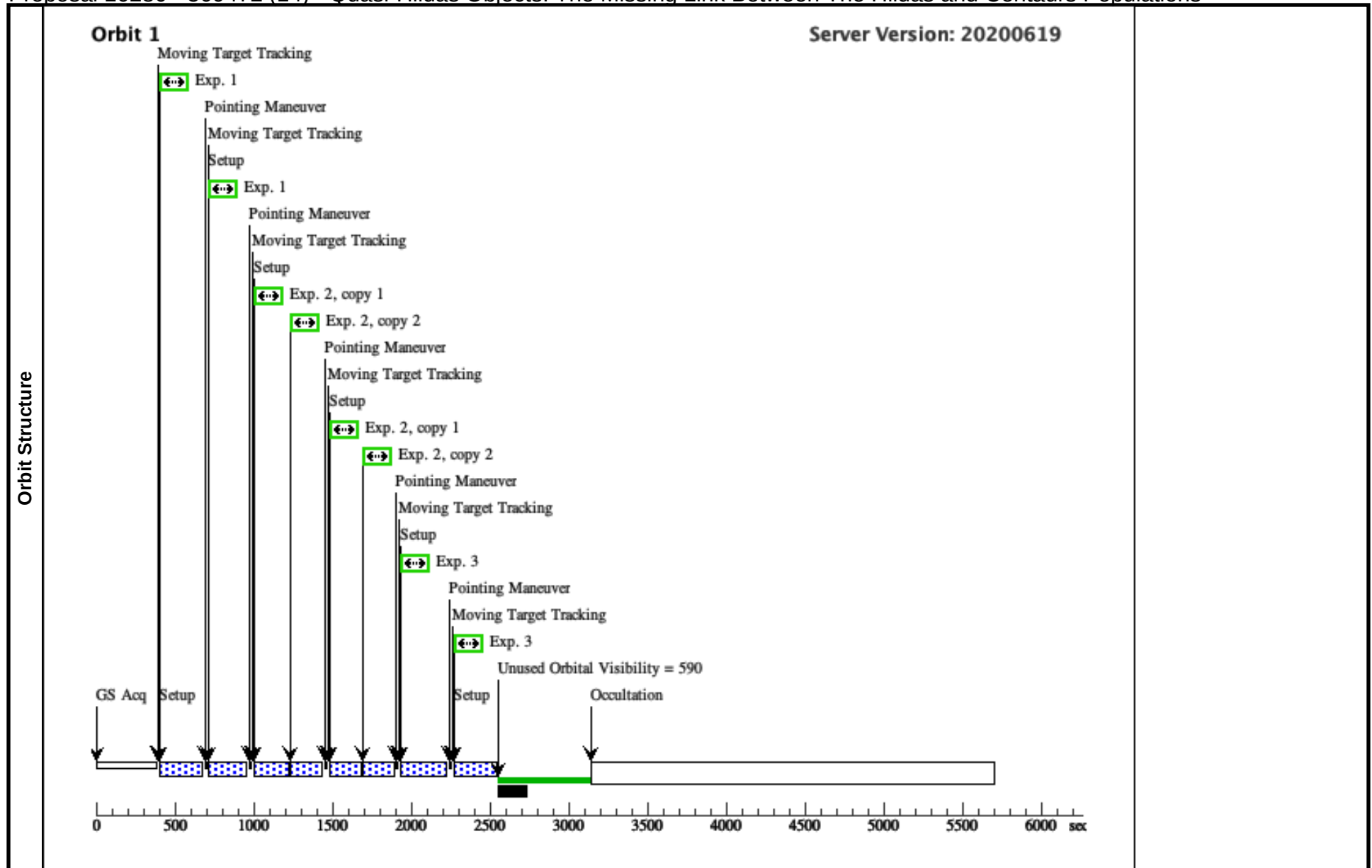
Proposal 16280 - 2006-UT165 (13) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2006-UT165 (13), scheduling										Wed Jun 16 15:00:50 GMT 2021			
	Diagnostic Status: Warning													
	Scientific Instruments: WFC3/UVIS													
	Special Requirements: (none)													
Diagnostics	(2006-UT165-g (13.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser													
	(2006-UT165-r (13.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser													
	(2006-UT165-i (13.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1), (2), (3)		
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center							
	(13)	2006-UT165	TYPE=ASTEROID,A=3.95022312126 2789,E=0.1442591913457477,I=8.609 948374335907 ,O=183.4445853215949,W=174.05414 80679876,M=42.58958699432137,EQ UINOX=J2000,EPOCH=20-JAN-2015:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 2006-UT165 Extended=NO					EARTH						
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]			Orbit		
	1	2006-UT165 (13) 2006-UT165 -g		WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 2006-UT165 (13) (1)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]			[1]		
	2	2006-UT165 (13) 2006-UT165 -r		WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 2006-UT165 (13) (1)	110 Secs X 2 (440 Secs) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]			[1]		
	3	2006-UT165 (13) 2006-UT165 -i		WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 2006-UT165 (13) (1)	180 Secs (360 Secs) [==>(Pattern 1)] [==>(Pattern 2)]			[1]		



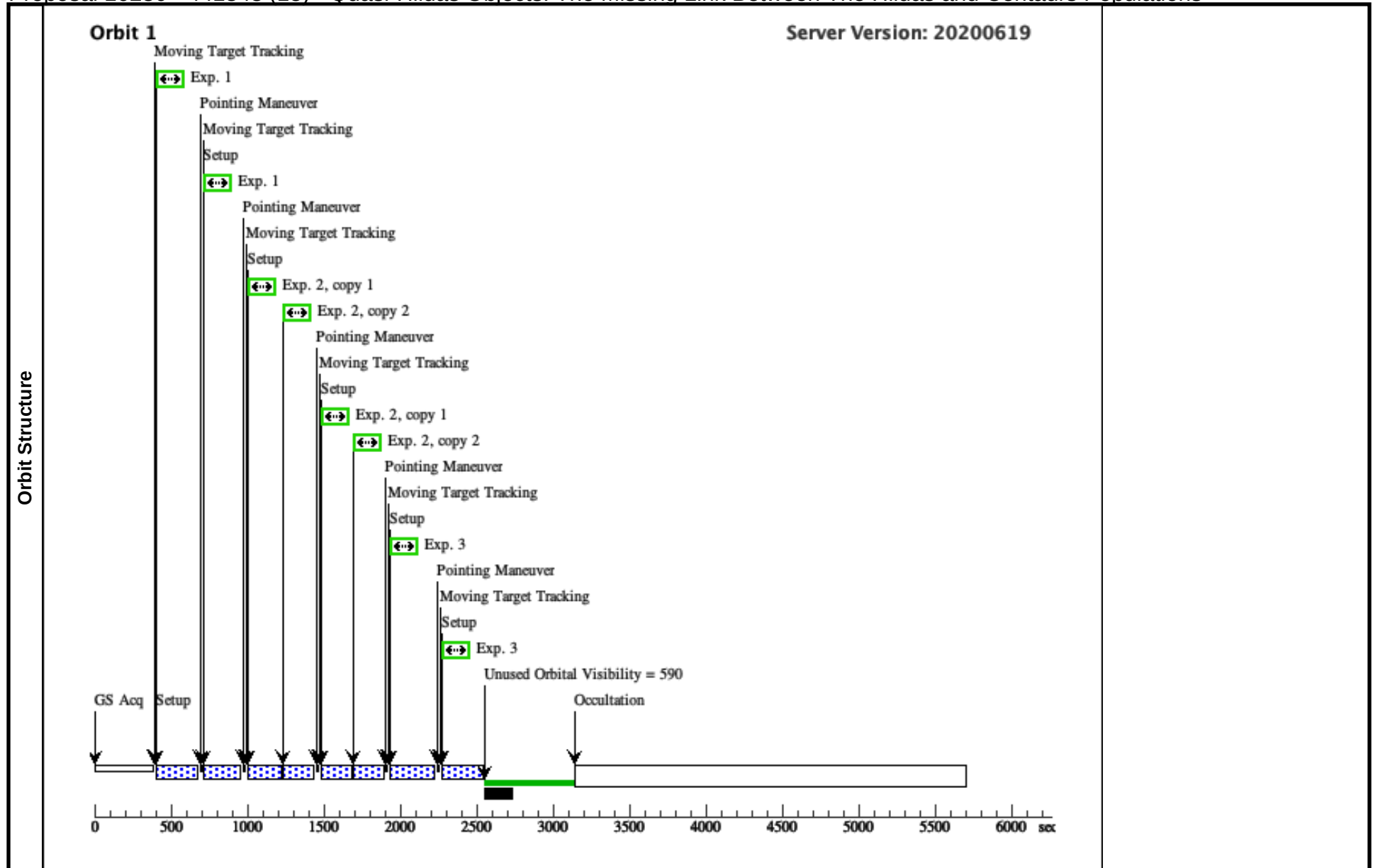
Proposal 16280 - 509472 (14) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 509472 (14), scheduling										Wed Jun 16 15:00:50 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(509472-g (14.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(509472-r (14.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(509472-i (14.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(14)	509472	TYPE=ASTEROID,A=3.964392142012612,E=0.2088306102734119,I=13.50936637311519,O=101.1891719080404,W=276.9067197503377,M=359.7304835960747,EQUINOX=J2000,EPOCH=04-DEC-2015:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 509472 Extended=NO				EARTH						
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	509472-g	(14) 509472	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 509472 (14) (1)	150 Secs (300 Secs)				
									[==>(Pattern 1)]		[1]		
									[==>(Pattern 2)]				
	2	509472-r	(14) 509472	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 509472 (14) (1)	110 Secs X 2 (440 Secs)				
									[==>(Pattern 1, Copy 1)]		[1]		
									[==>(Pattern 1, Copy 2)]				
									[==>(Pattern 2, Copy 1)]				
									[==>(Pattern 2, Copy 2)]				
	3	509472-i	(14) 509472	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 509472 (14) (1)	180 Secs (360 Secs)				
									[==>(Pattern 1)]		[1]		
									[==>(Pattern 2)]				



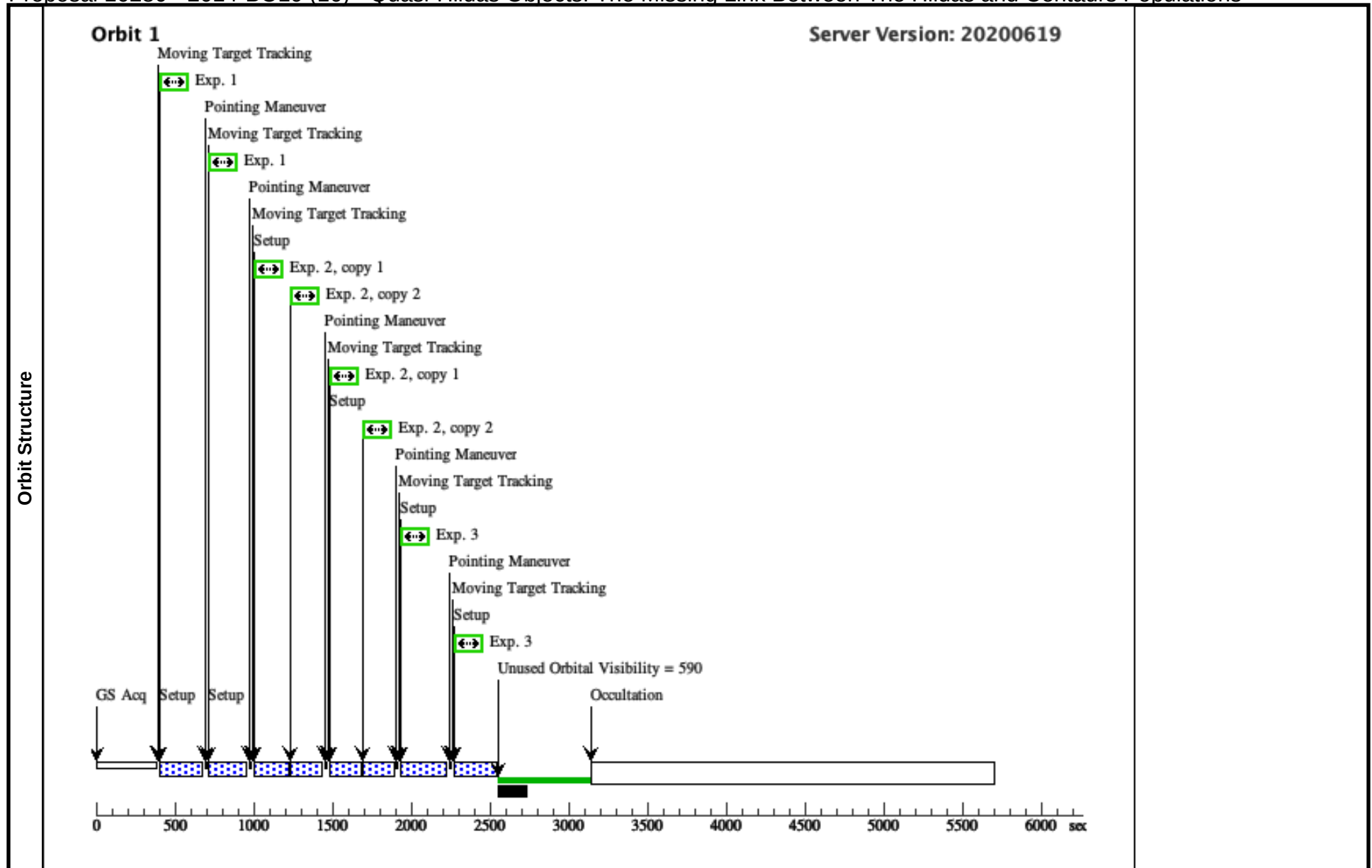
Proposal 16280 - 441848 (15) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 441848 (15), scheduling										Wed Jun 16 15:00:50 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(441848-g (15.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(441848-r (15.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(441848-i (15.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(15)	441848	TYPE=ASTEROID,A=3.943543419993985,E=0.2114917070342092,I=10.0806756172621,O=206.26265444357,W=240.5215454446453,M=350.7457536140783,EQUI NOX=J2000,EPOCH=21-OCT-2017:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 441848 Extended=NO									EARTH	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	441848-g	(15) 441848	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 441848 (15) (1)	150 Secs (300 Secs)				
									[==>(Pattern 1)]		[1]		
									[==>(Pattern 2)]				
	2	441848-r	(15) 441848	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 441848 (15) (1)	110 Secs X 2 (440 Secs)				
									[==>(Pattern 1, Copy 1)]		[1]		
									[==>(Pattern 1, Copy 2)]				
									[==>(Pattern 2, Copy 1)]				
									[==>(Pattern 2, Copy 2)]				
	3	441848-i	(15) 441848	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 441848 (15) (1)	180 Secs (360 Secs)				
									[==>(Pattern 1)]		[1]		
									[==>(Pattern 2)]				



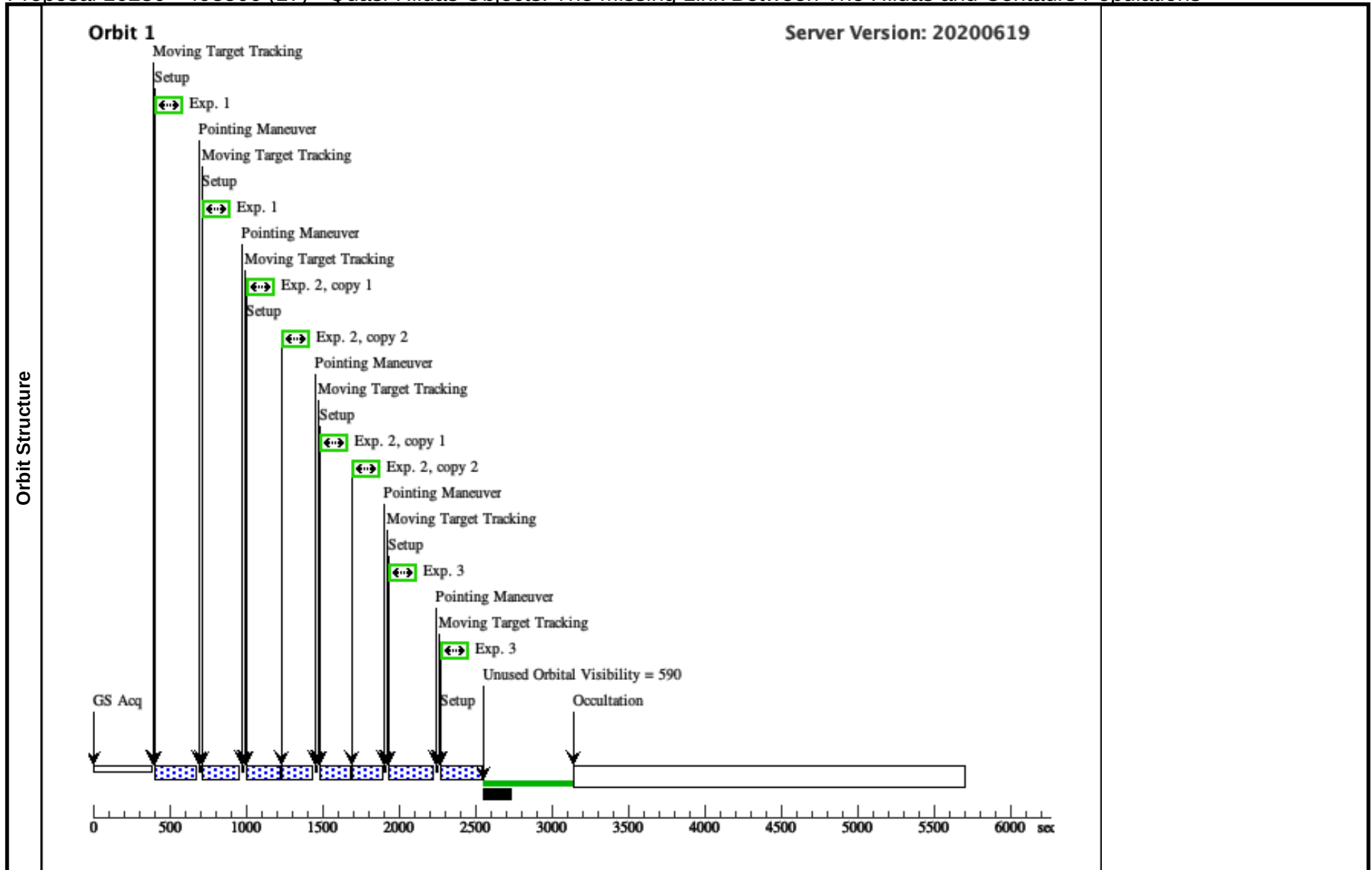
Proposal 16280 - 2014-BO19 (16) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2014-BO19 (16), implementation										Wed Jun 16 15:00:50 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(2014-BO19-g (16.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2014-BO19-r (16.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2014-BO19-i (16.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(16)	2014-BO19	TYPE=ASTEROID,A=3.964529588879021,E=0.2342485121441694,I=3.168089603721127,O=168.8902107806417,W=273.0821016721251,M=320.0702196448161,EQUINOX=J2000,EPOCH=22-JUN-2012:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 2014-BO19 Extended=NO				EARTH						
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	2014-BO19-g	(16) 2014-BO19	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 2014-BO19 (16) (1)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		
	2	2014-BO19-r	(16) 2014-BO19	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 2014-BO19 (16) (1)	110 Secs X 2 (440 Secs) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]		[1]		
	3	2014-BO19-i	(16) 2014-BO19	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 2014-BO19 (16) (1)	180 Secs (360 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		



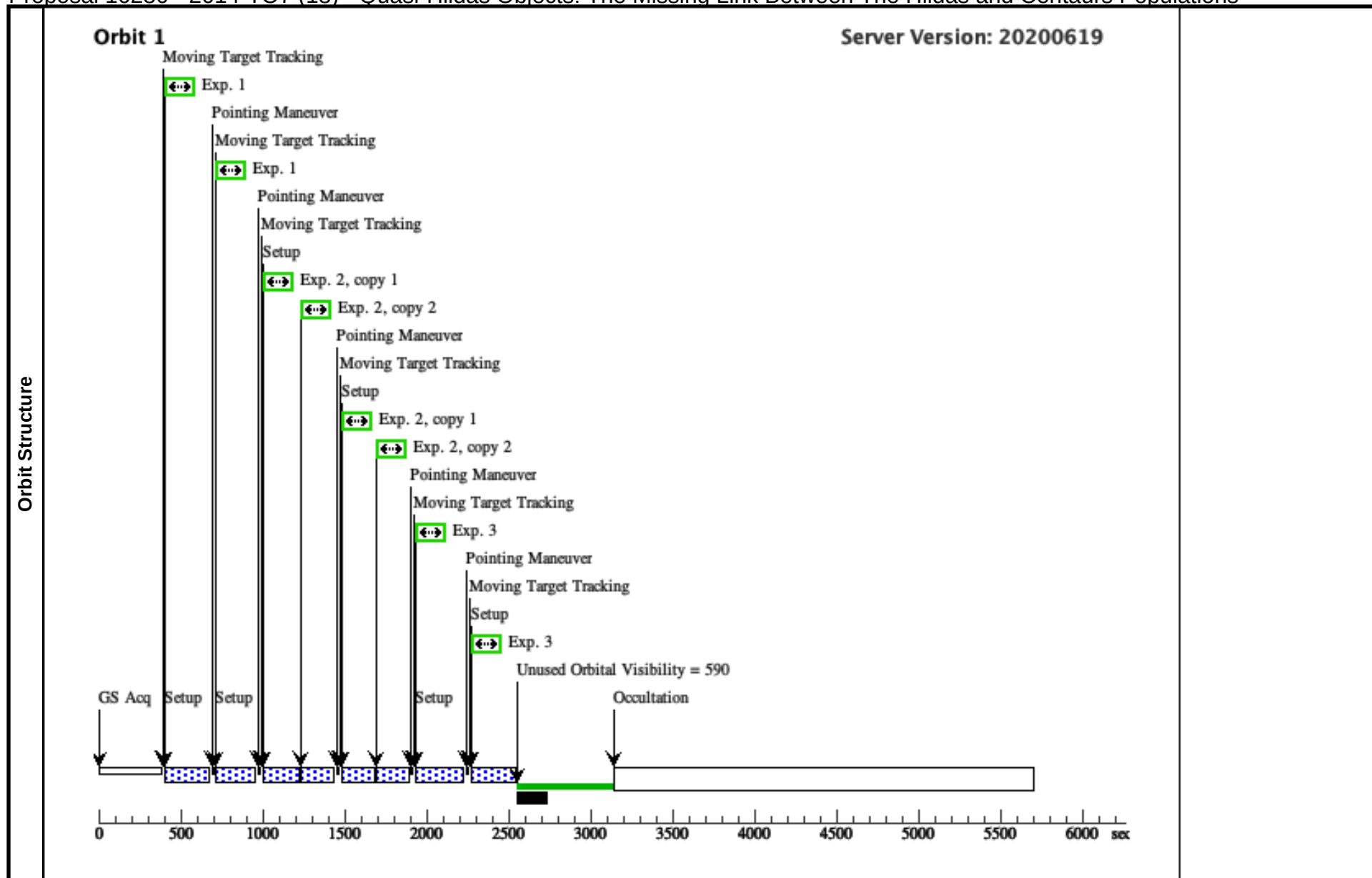
Proposal 16280 - 493506 (17) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 493506 (17), implementation										Wed Jun 16 15:00:50 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(493506-g (17.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(493506-r (17.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(493506-i (17.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(17)	493506	TYPE=ASTEROID,A=3.96321342765 2669,E=0.243505009066533,I=3.9764 10252200038 ,O=357.2009410015828,W=118.92591 93302081,M=24.23487141019771,EQ UINOX=J2000,EPOCH=03-APR-2015:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 493506 Extended=NO				EARTH						
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	493506-g	(17) 493506	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 493506 (17) (1)	150 Secs (300 Secs)				
									[==>(Pattern 1)]		[1]		
									[==>(Pattern 2)]				
	2	493506-r	(17) 493506	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 493506 (17) (1)	110 Secs X 2 (440 Secs)				
									[==>(Pattern 1, Copy 1)]		[1]		
									[==>(Pattern 1, Copy 2)]				
									[==>(Pattern 2, Copy 1)]				
									[==>(Pattern 2, Copy 2)]				
	3	493506-i	(17) 493506	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 493506 (17) (1)	180 Secs (360 Secs)				
									[==>(Pattern 1)]		[1]		
									[==>(Pattern 2)]				



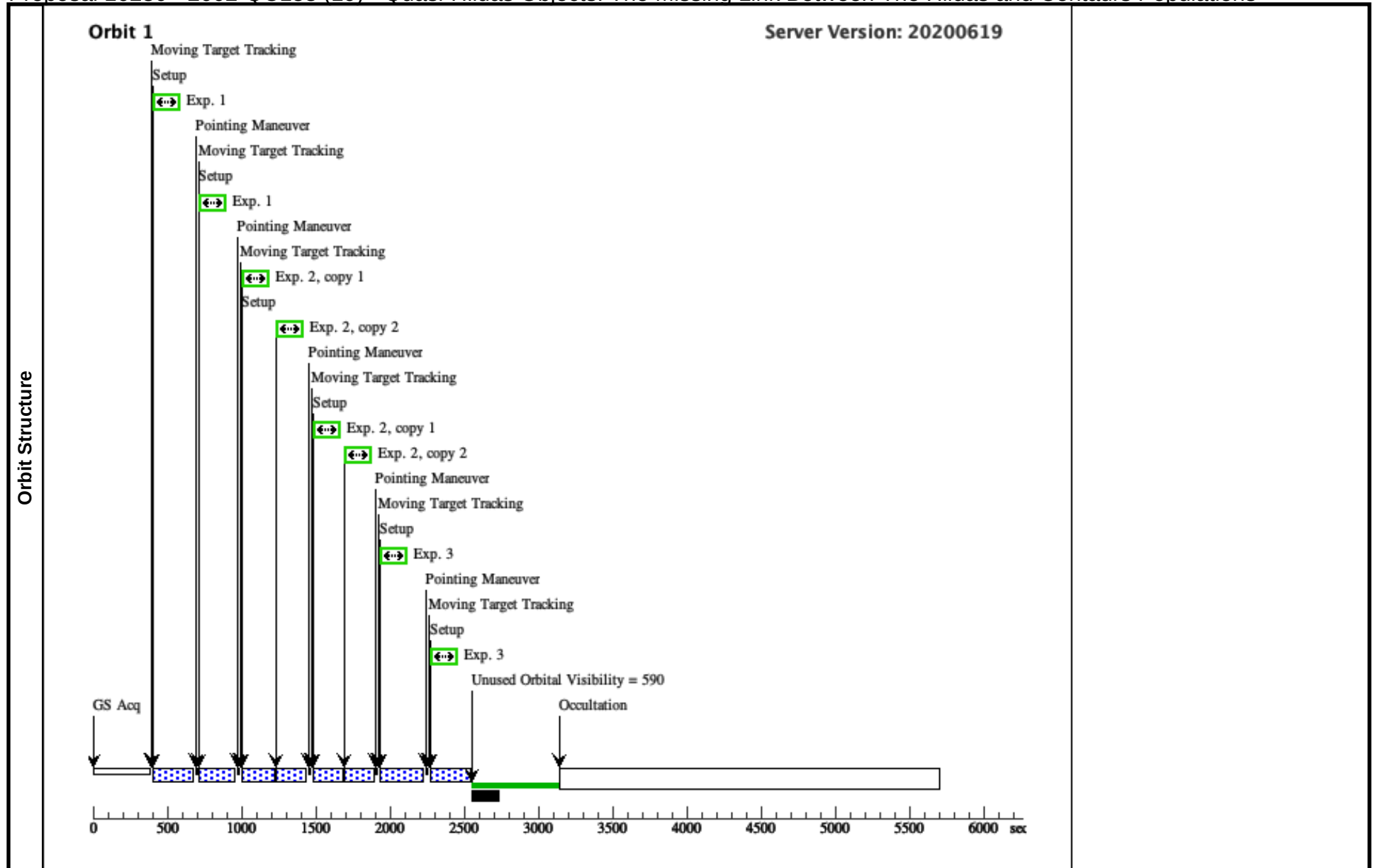
Proposal 16280 - 2014-TO7 (18) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2014-TO7 (18), scheduling										Wed Jun 16 15:00:50 GMT 2021	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(2014-TO7-g (18.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(2014-TO7-r (18.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(2014-TO7-i (18.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
	(18)	2014-TO7	TYPE=ASTEROID,A=3.942146928000241,E=0.2475385968732919,I=4.040009578552014,O=63.55323163162027,W=281.05586631604,M=349.3702714156175,EQUINOX=J2000,EPOCH=25-NOV-2013:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 2014-TO7 Extended=NO					EARTH				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	2014-TO7-g	(18) 2014-TO7	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 2014-TO7 (18) (1)	150 Secs (300 Secs)			
									[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	2014-TO7-r	(18) 2014-TO7	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 2014-TO7 (18) (1)	110 Secs X 2 (440 Secs)			
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]		[1]	
	3	2014-TO7-i	(18) 2014-TO7	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 2014-TO7 (18) (1)	180 Secs (360 Secs)			
									[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



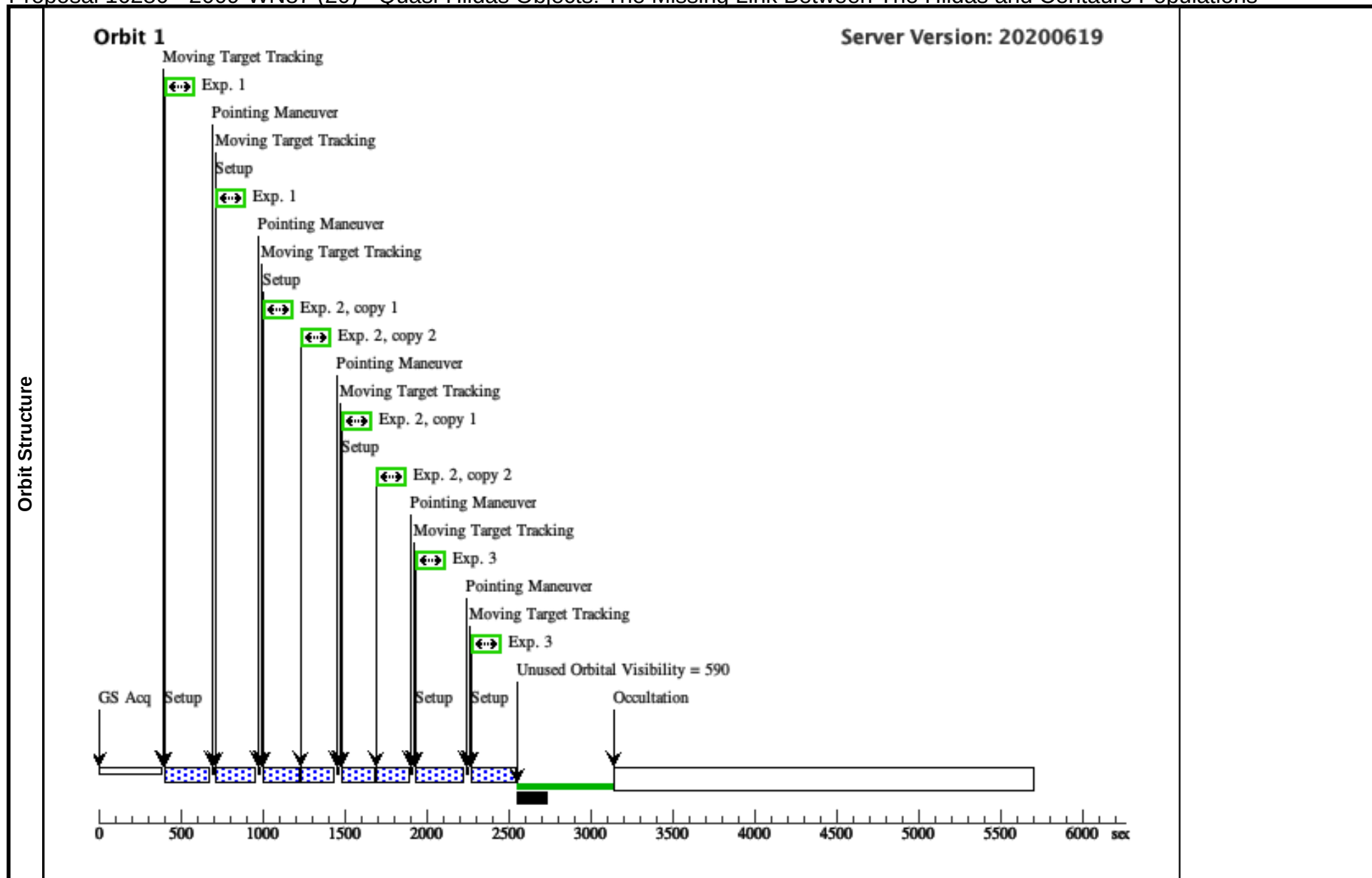
Proposal 16280 - 2002-QC158 (19) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2002-QC158 (19), scheduling										Wed Jun 16 15:00:50 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(2002-QC158-g (19.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2002-QC158-r (19.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2002-QC158-i (19.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(19)	2002-QC158	TYPE=ASTEROID,A=3.96875494158 4467,E=0.2160592709619427,I=3.844 554767297918 ,O=136.7964093680519,W=249.88738 75085031,M=185.4324078418944,EQ UINOX=J2000,EPOCH=19-MAR- 2015:00:00:00,EpochTimeScale=TDB									EARTH	
	Comments: Description=ASTEROID 2002-QC158 Extended=NO												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	2002-QC15 8-g	(19) 2002-QC158	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 i n 2002-QC158 (19) (1)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		
	2	2002-QC15 8-r	(19) 2002-QC158	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 i n 2002-QC158 (19) (1)	110 Secs X 2 (440 Secs) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]		[1]		
	3	2002-QC15 8-i	(19) 2002-QC158	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 i n 2002-QC158 (19) (1)	180 Secs (360 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		



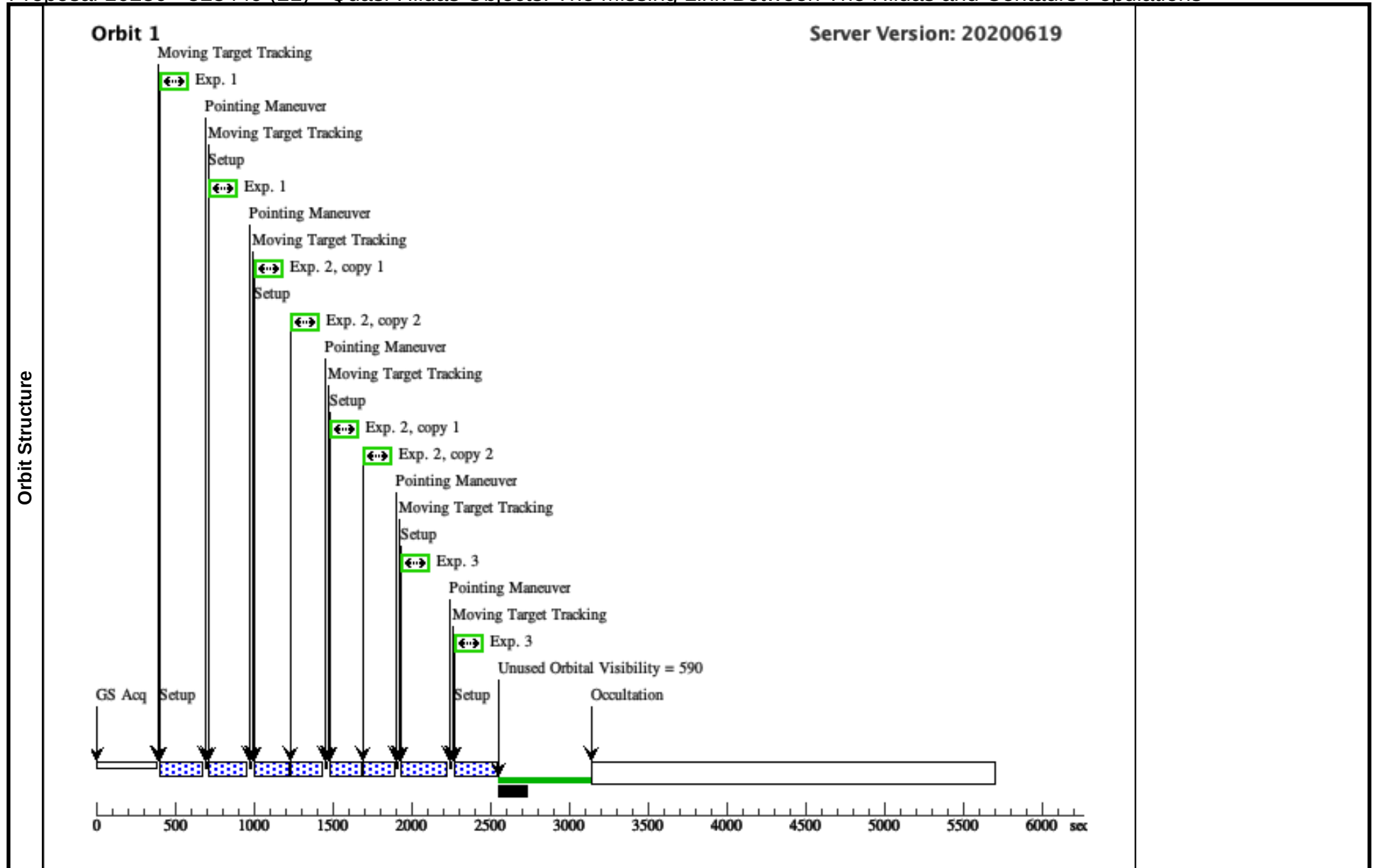
Proposal 16280 - 2009-WN87 (20) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2009-WN87 (20), scheduling										Wed Jun 16 15:00:50 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(2009-WN87-g (20.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2009-WN87-r (20.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2009-WN87-i (20.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1), (2), (3)	
Solar System Targets	#	Name	Level 1		Level 2		Level 3		Window		Ephem Center		
	(20)	2009-WN87	TYPE=ASTEROID,A=3.96254937583 2412,E=0.128119559494787,I=7.2358 67914700355 ,O=283.4525728001406,W=169.51402 77538318,M=304.4744123319933,EQ UINOX=J2000,EPOCH=05-JAN- 2017:00:00:00,EpochTimeScale=TDB								EARTH		
	Comments: Description=ASTEROID 2009-WN87 Extended=NO												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	2009-WN87 -g	(20) 2009-WN87	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB		F475W	FLASH=17		Pattern 1, Exps 1-1 in 2009-WN87 (20) (1)	150 Secs (300 Secs) [=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	2009-WN87 -r	(20) 2009-WN87	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB		F625W	FLASH=17		Pattern 1, Exps 2-2 in 2009-WN87 (20) (1)	110 Secs X 2 (440 Secs) [=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)]		[1]	
	3	2009-WN87 -i	(20) 2009-WN87	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB		F775W	FLASH=17		Pattern 1, Exps 3-3 in 2009-WN87 (20) (1)	180 Secs (360 Secs) [=>(Pattern 1)] [=>(Pattern 2)]		[1]	



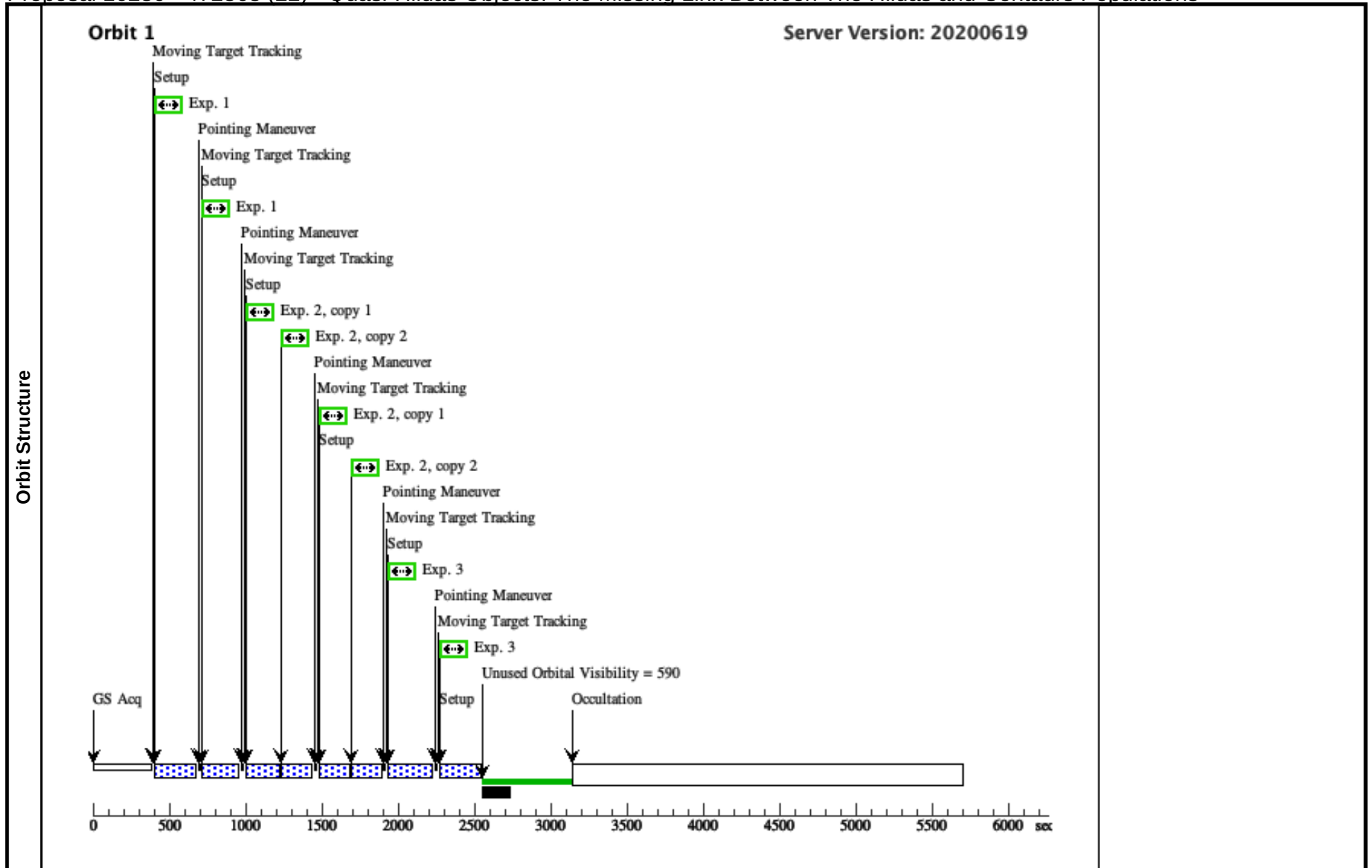
Proposal 16280 - 523449 (21) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 523449 (21), implementation										Wed Jun 16 15:00:50 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(523449-g (21.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(523449-r (21.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(523449-i (21.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1), (2), (3)		
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(21)	523449	TYPE=ASTEROID,A=3.96930306347 1727,E=0.1765310566338039,I=6.246 932963515591 ,O=251.4174511899649,W=352.49030 10216912,M=281.0192977370604,EQ UINOX=J2000,EPOCH=20-AUG- 2016:00:00:00,EpochTimeScale=TDB									EARTH	
	Comments: Description=ASTEROID Extended=NO												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	523449-g	(21) 523449	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 i n 523449 (21) (1)	150 Secs (300 Secs)				
									[==>(Pattern 1)]		[1]		
									[==>(Pattern 2)]				
	2	523449-r	(21) 523449	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 i n 523449 (21) (1)	110 Secs X 2 (440 Secs)				
										[==>(Pattern 1, Copy 1)]		[1]	
									[==>(Pattern 1, Copy 2)]				
									[==>(Pattern 2, Copy 1)]				
									[==>(Pattern 2, Copy 2)]				
3	523449-i	(21) 523449	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17			Pattern 1, Exps 3-3 i n 523449 (21) (1)	180 Secs (360 Secs)				
									[==>(Pattern 1)]		[1]		
									[==>(Pattern 2)]				



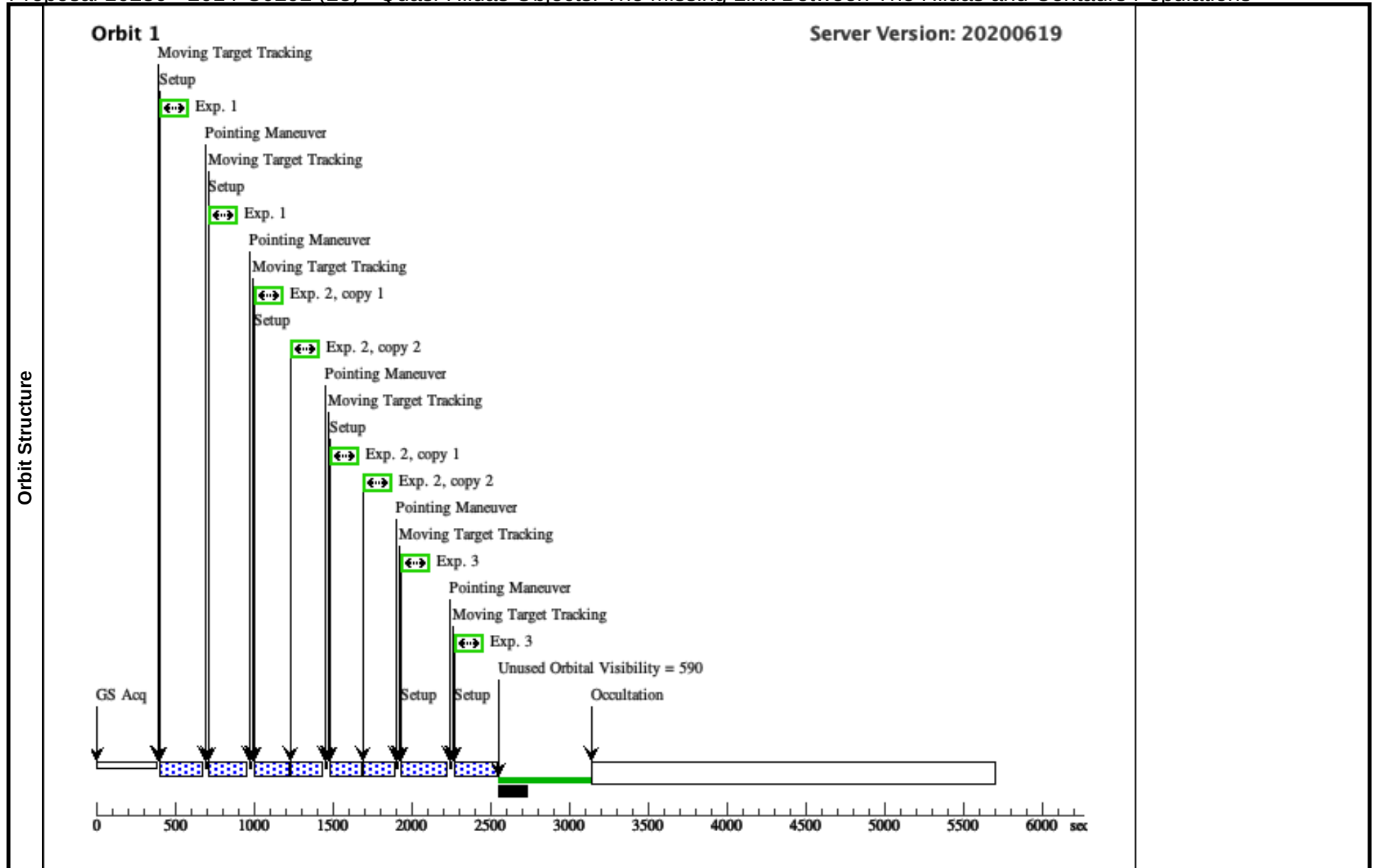
Proposal 16280 - 472868 (22) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 472868 (22), scheduling										Wed Jun 16 15:00:51 GMT 2021	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(472868-g (22.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(472868-r (22.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(472868-i (22.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false									(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
	(22)	472868	TYPE=ASTEROID,A=3.95993652680 5561,E=0.2025048081434879,I=11.12 827720587086 ,O=162.8503012429718,W=116.93573 10463174,M=302.8865459869186,EQ UINOX=J2000,EPOCH=07-NOV- 2014:00:00:00,EpochTimeScale=TDB					EARTH				
	Comments: Description=ASTEROID Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	472868-g	(22) 472868	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 i n 472868 (22) (1)	150 Secs (300 Secs)			
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			
	2	472868-r	(22) 472868	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 i n 472868 (22) (1)	110 Secs X 2 (440 Secs)			
										[==>(Pattern 1, Copy 1)]		[1]
									[==>(Pattern 1, Copy 2)]			
									[==>(Pattern 2, Copy 1)]			
									[==>(Pattern 2, Copy 2)]			
3	472868-i	(22) 472868	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17			Pattern 1, Exps 3-3 i n 472868 (22) (1)	180 Secs (360 Secs)			
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			



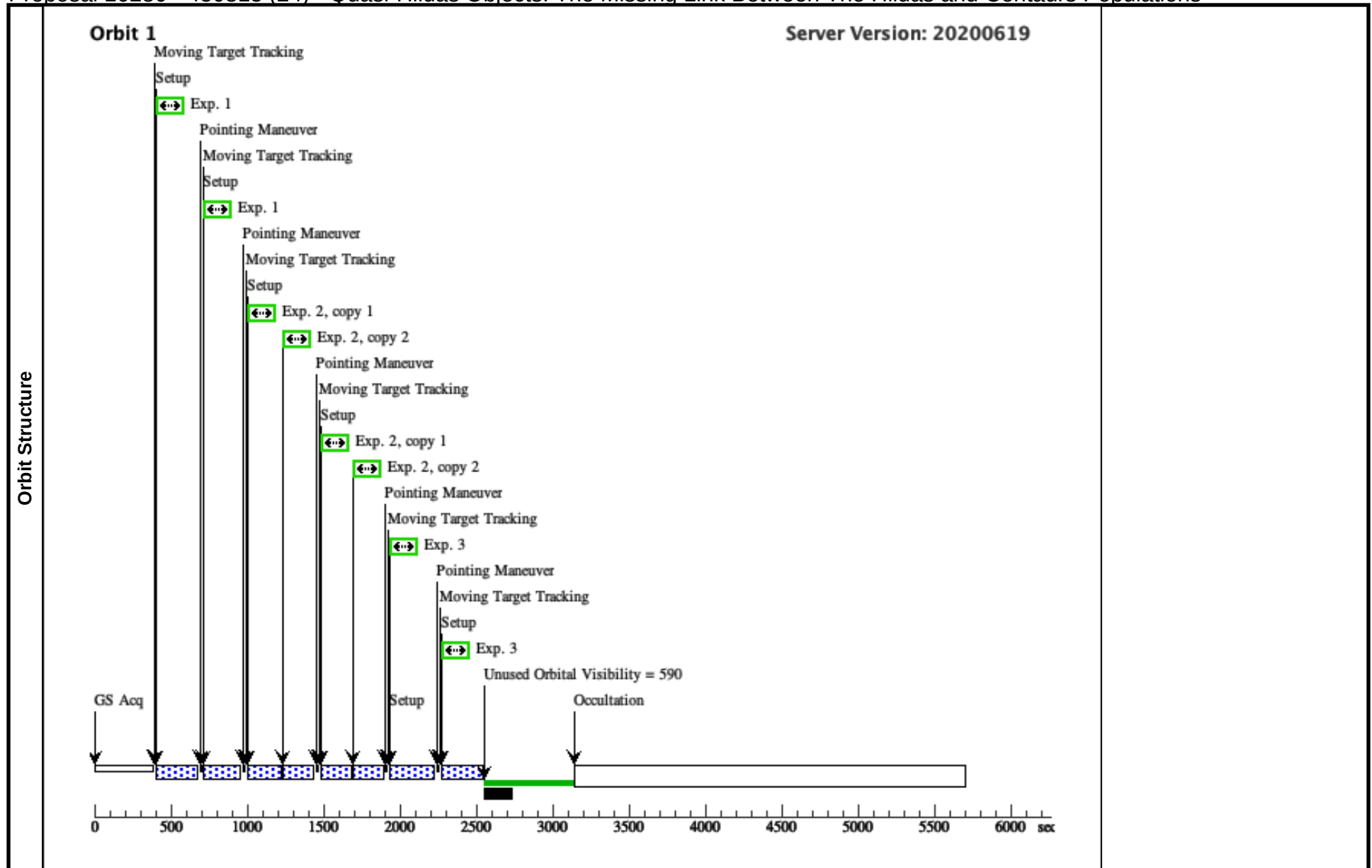
Proposal 16280 - 2014-OJ292 (23) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2014-OJ292 (23), scheduling										Wed Jun 16 15:00:51 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(2014-OJ292-g (23.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2014-OJ292-r (23.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2014-OJ292-i (23.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(23)	2014-OJ292	TYPE=ASTEROID,A=3.94541202554 1208,E=0.1917935869200406,I=16.54 904340543999 ,O=124.1704346115337,W=272.45407 92359919,M=1.417646657250476,EQ UINOX=J2000,EPOCH=13-SEP- 2015:00:00:00,EpochTimeScale=TDB									EARTH	
	Comments: Description=ASTEROID 2014-OJ292												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	2014-OJ292 -g	(23) 2014-OJ292	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 2014-OJ292 (23) (1)	150 Secs (300 Secs)				
									[==>(Pattern 1)] [==>(Pattern 2)]		[1]		
	2	2014-OJ292 -r	(23) 2014-OJ292	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 2014-OJ292 (23) (1)	110 Secs X 2 (440 Secs)				
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]		[1]		
3	2014-OJ292 -i	(23) 2014-OJ292	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 2014-OJ292 (23) (1)	180 Secs (360 Secs)					
									[==>(Pattern 1)] [==>(Pattern 2)]		[1]		



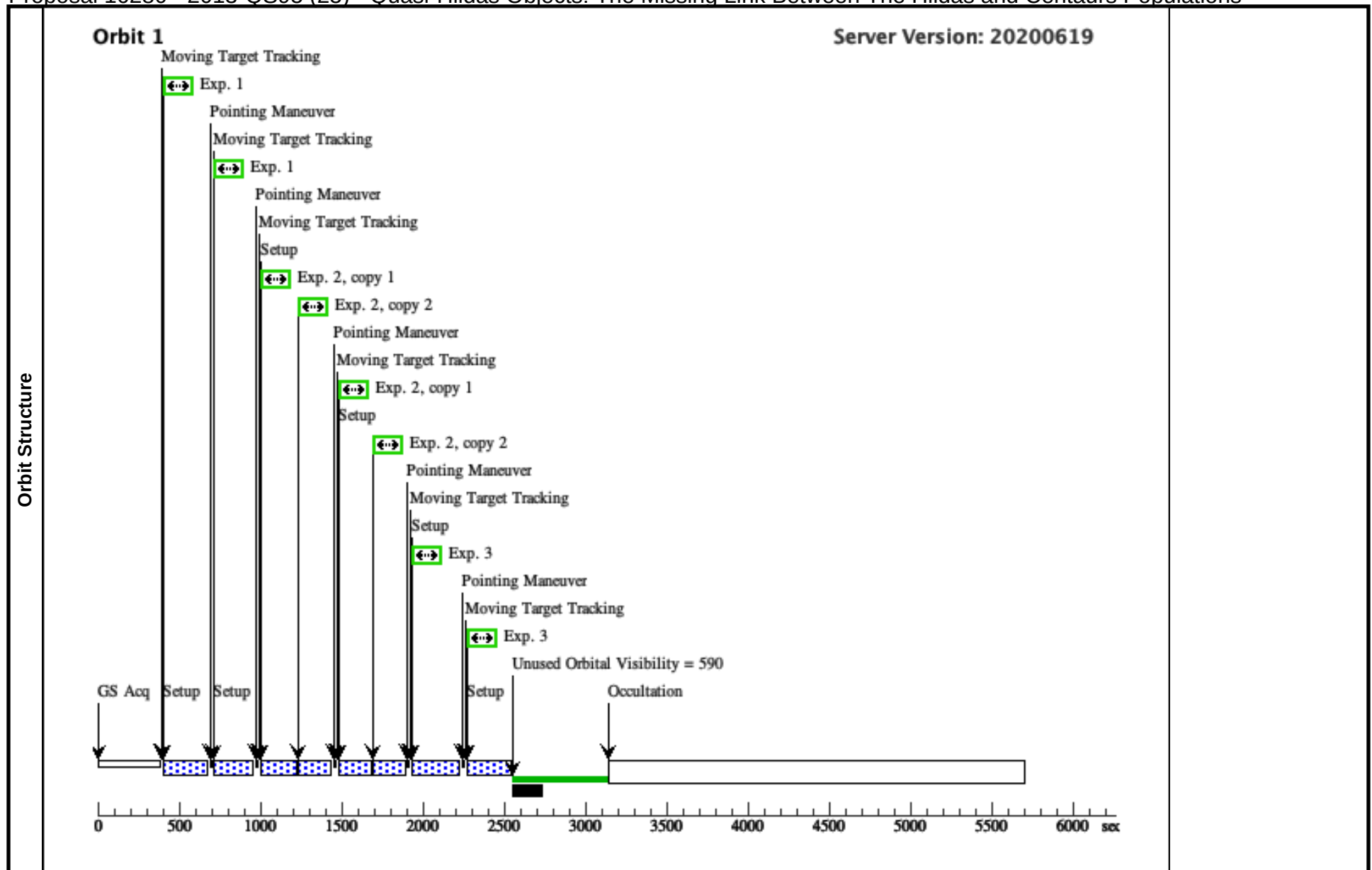
Proposal 16280 - 450815 (24) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 450815 (24), scheduling										Wed Jun 16 15:00:51 GMT 2021	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(450815-g (24.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(450815-r (24.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(450815-i (24.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
	(24)	450815	TYPE=ASTEROID,A=3.959399538493729,E=0.2434390254759366,I=7.544427536099121,O=325.308544202299,W=49.77587993030156,M=319.9958633252018,EQUINOX=J2000,EPOCH=25-JUN-2014:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID Extended=NO					EARTH				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	450815-g	(24) 450815	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 450815 (24) (1)	150 Secs (300 Secs)			
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			
	2	450815-r	(24) 450815	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 450815 (24) (1)	110 Secs X 2 (440 Secs)			
									[==>(Pattern 1, Copy 1)]		[1]	
									[==>(Pattern 1, Copy 2)]			
									[==>(Pattern 2, Copy 1)]			
									[==>(Pattern 2, Copy 2)]			
	3	450815-i	(24) 450815	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 450815 (24) (1)	180 Secs (360 Secs)			
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			



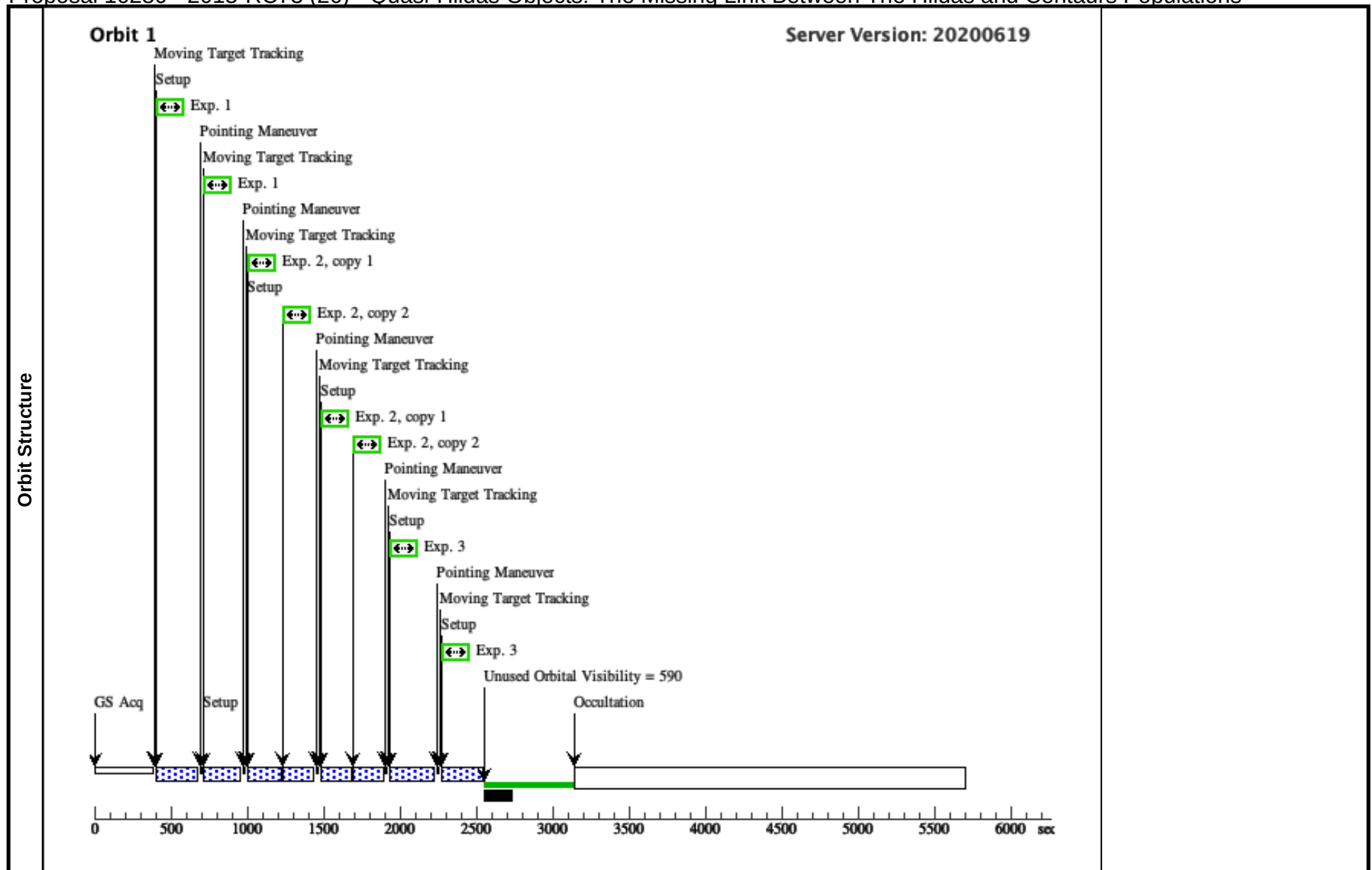
Proposal 16280 - 2013-QS95 (25) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2013-QS95 (25), scheduling										Wed Jun 16 15:00:51 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(2013-QS95-g (25.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2013-QS95-r (25.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2013-QS95-i (25.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(25)	2013-QS95	TYPE=ASTEROID,A=3.924588490543353,E=0.2502014007313375,I=15.43578201367993,O=157.2894237848738,W=274.9696074178605,M=3.606964771867042,EQUINOX=J2000,EPOCH=21-MAY-2015:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 2013-QS95 Extended=NO				EARTH						
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	2013-QS95-g	(25) 2013-QS95	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 2013-QS95 (25) (1)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		
	2	2013-QS95-r	(25) 2013-QS95	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 2013-QS95 (25) (1)	110 Secs X 2 (440 Secs) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]		[1]		
	3	2013-QS95-i	(25) 2013-QS95	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 2013-QS95 (25) (1)	180 Secs (360 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		



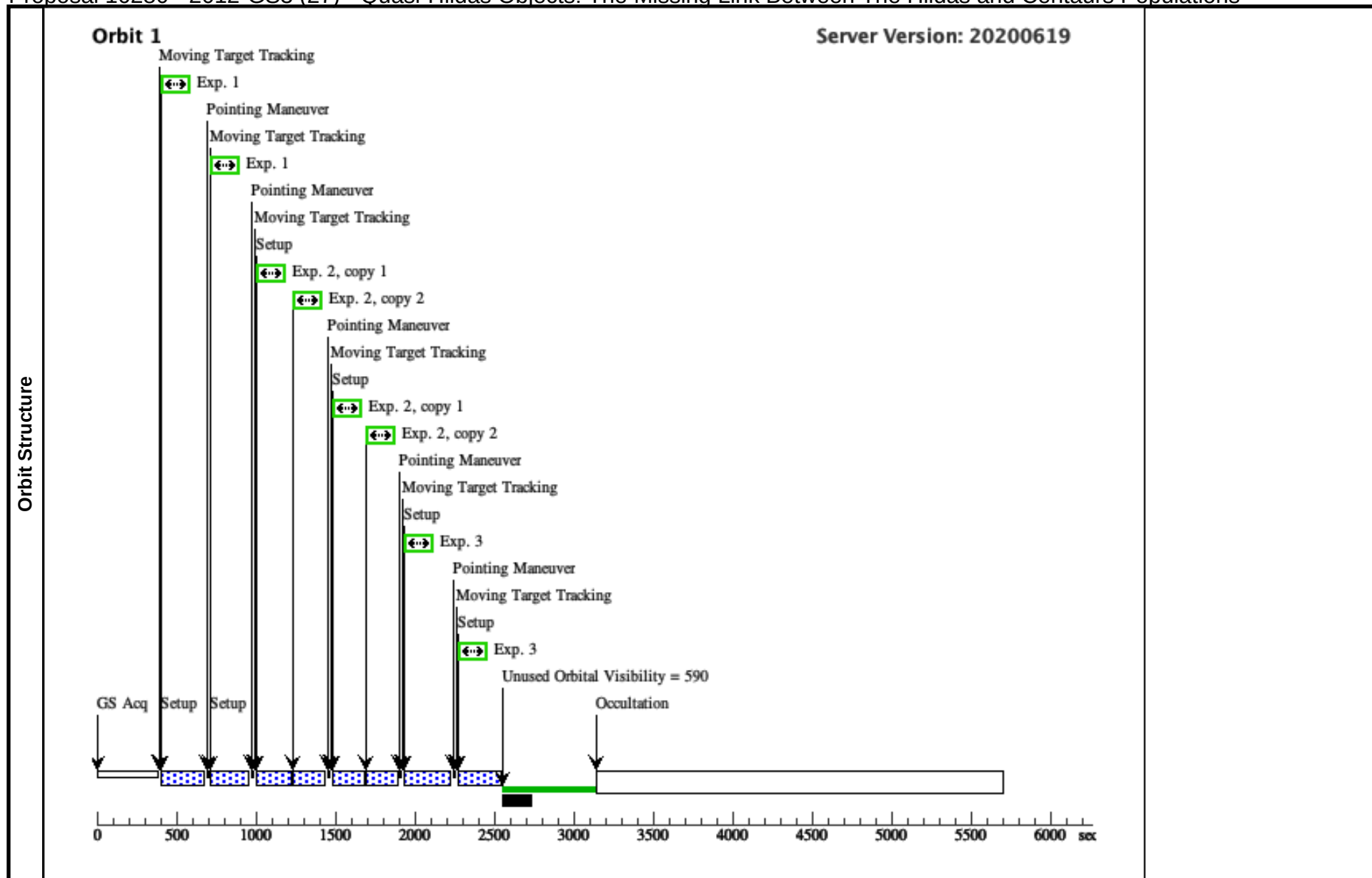
Proposal 16280 - 2013-RC73 (26) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2013-RC73 (26), scheduling										Wed Jun 16 15:00:51 GMT 2021	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(2013-RC73-g (26.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(2013-RC73-r (26.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(2013-RC73-i (26.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
	(26)	2013-RC73	TYPE=ASTEROID,A=3.92698090207 606,E=0.2010712248120674,I=1.6273 10185690131 ,O=277.8869651961408,W=67.343937 40916188,M=3.110666203852928,EQ UINOX=J2000,EPOCH=05-SEP-2013:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 2013-RC73 Extended=NO				EARTH					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	2013-RC73-g	(26) 2013-RC73	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 2013-RC73 (26) (1)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	2013-RC73-r	(26) 2013-RC73	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 2013-RC73 (26) (1)	110 Secs X 2 (440 Secs) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)]		[1]	
	3	2013-RC73-i	(26) 2013-RC73	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 2013-RC73 (26) (1)	180 Secs (360 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]	



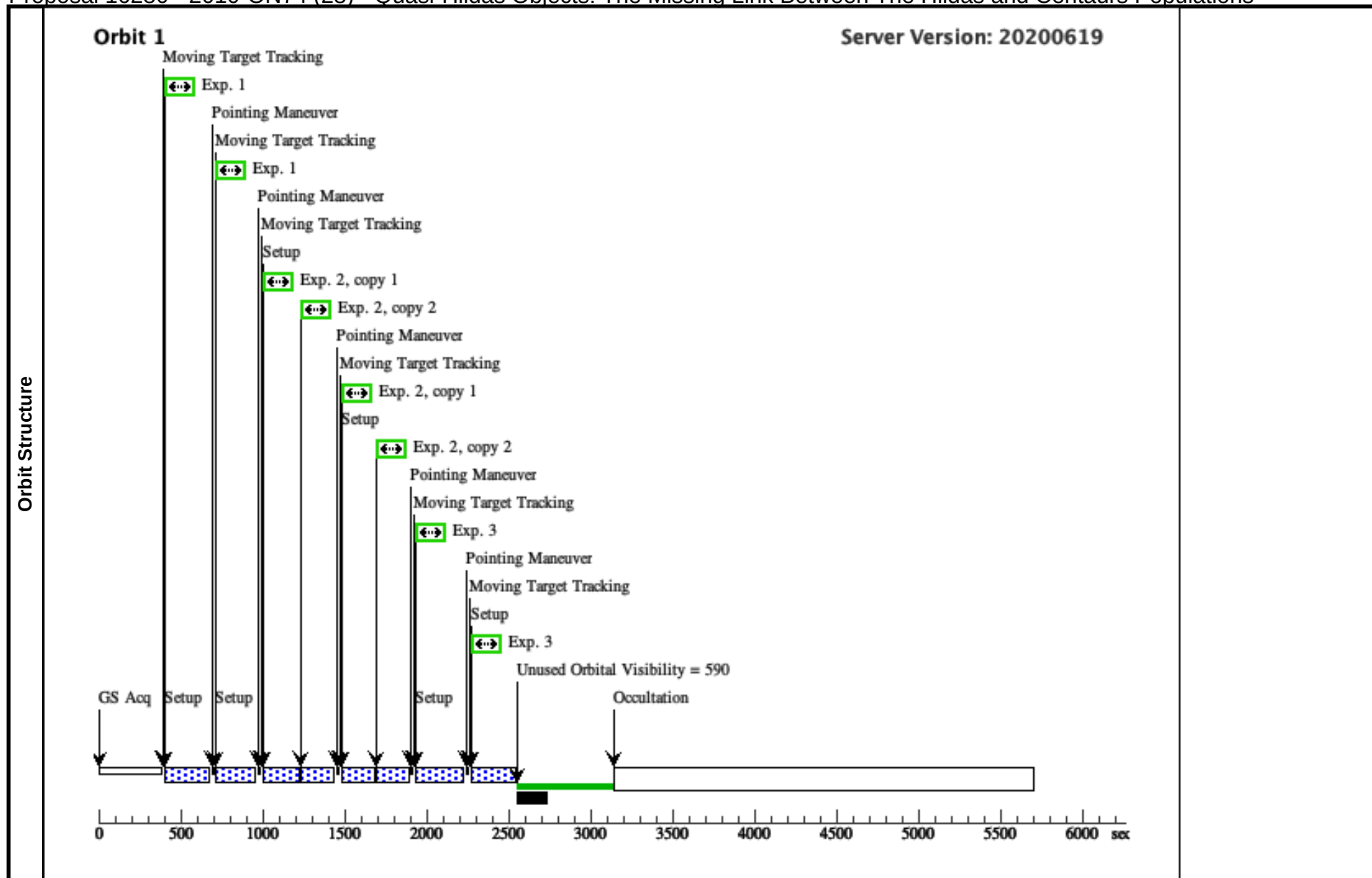
Proposal 16280 - 2012-GS3 (27) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2012-GS3 (27), scheduling										Wed Jun 16 15:00:51 GMT 2021
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: (none)										
Diagnostics	(Exposure 1 (Pattern 1, Exps 1-1 in 2012-GS3 (27))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser										
	(Exposure 2 (Pattern 1, Exps 2-2 in 2012-GS3 (27))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser										
	(Exposure 3 (Pattern 1, Exps 3-3 in 2012-GS3 (27))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1), (2), (3)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
	(27)	2012-GS3	TYPE=ASTEROID,A=3.97161560773 3705,E=0.2097022857049242,I=10.89 812885879239 ,O=29.35190512700367,W=113.83275 55304968,M=317.6755719655371,EQ UINOX=J2000,EPOCH=26-MAY- 2018:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 2012-GS3 Extended=NO	EARTH							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(27) 2012-GS3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 i n 2012-GS3 (27) (1)	150 Secs (300 Secs)		
									[==>(Pattern 1)]	[1]	
									[==>(Pattern 2)]		
	2		(27) 2012-GS3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 i n 2012-GS3 (27) (1)	110 Secs X 2 (440 Secs)		
									[==>(Pattern 1, Copy 1)]	[1]	
								[==>(Pattern 1, Copy 2)]			
								[==>(Pattern 2, Copy 1)]			
								[==>(Pattern 2, Copy 2)]			
3		(27) 2012-GS3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 i n 2012-GS3 (27) (1)	180 Secs (360 Secs)			
								[==>(Pattern 1)]	[1]		
								[==>(Pattern 2)]			



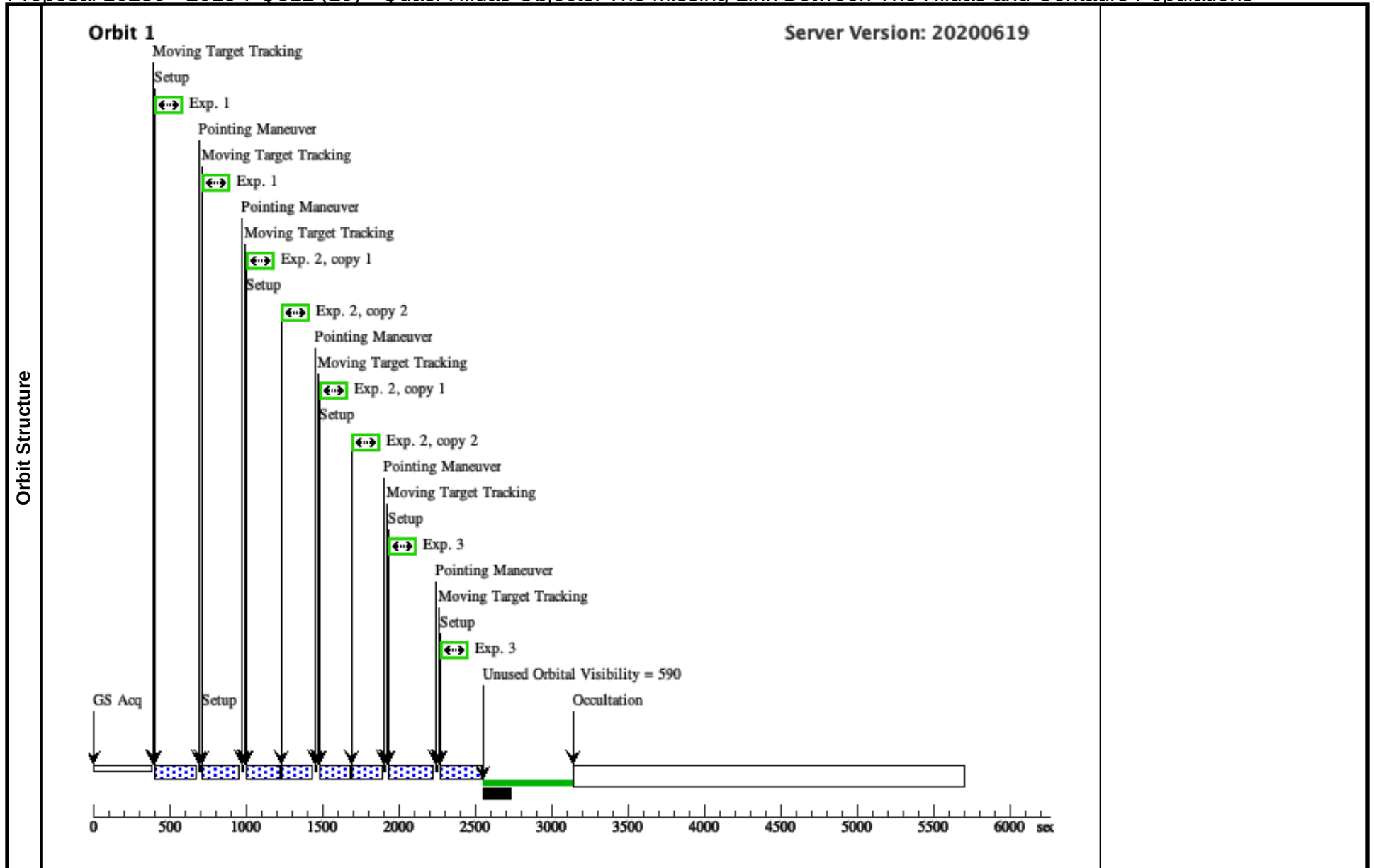
Proposal 16280 - 2010-ON74 (28) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2010-ON74 (28), scheduling										Wed Jun 16 15:00:51 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(2010-ON74-g (28.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2010-ON74-r (28.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2010-ON74-i (28.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(28)	2010-ON74	TYPE=ASTEROID,A=3.81416160592 9666,E=0.1006043523479592,I=21.76 65463908035 ,O=83.13087794754486,W=264.91591 42704118,M=252.7007780271263,EQ UINOX=J2000,EPOCH=08-MAY-2015:00:00:00,EpochTimeScale=TDB					EARTH					
	Comments: Description=ASTEROID 2010-ON74 Extended=NO												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	2010-ON74-g	(28) 2010-ON74	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 2010-ON74 (28) (1)	150 Secs (300 Secs)				
									[=>(Pattern 1)] [=>(Pattern 2)]		[1]		
	2	2010-ON74-r	(28) 2010-ON74	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 2010-ON74 (28) (1)	110 Secs X 2 (440 Secs)				
									[=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)]		[1]		
	3	2010-ON74-i	(28) 2010-ON74	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 2010-ON74 (28) (1)	180 Secs (360 Secs)				
									[=>(Pattern 1)] [=>(Pattern 2)]		[1]		



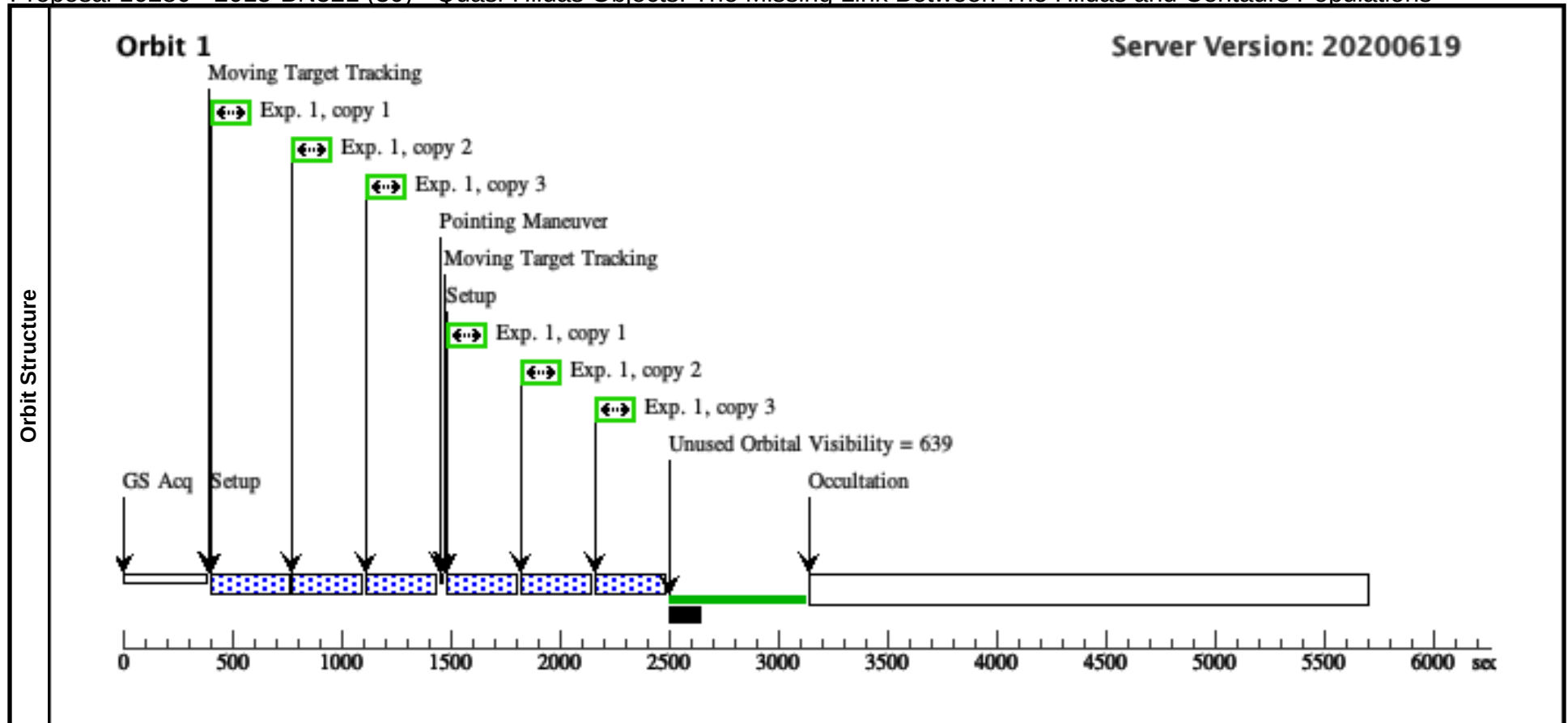
Proposal 16280 - 2015-PQ312 (29) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2015-PQ312 (29), scheduling										Wed Jun 16 15:00:51 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(2015-PQ312-g (29.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2015-PQ312-r (29.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
	(2015-PQ312-i (29.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1), (2), (3)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(29)	2015-PQ312	TYPE=ASTEROID,A=3.97538096293 6179,E=0.2188589010234971,I=9.412 199617519828 ,O=28.39707982331415,W=7.5644916 33731525,M=329.9578983384347,EQ UINOX=J2000,EPOCH=21-SEP- 2015:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 2015-PQ312 Extended=NO	EARTH									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	2015-PQ312 (29) 2015-PQ312 -g		WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F475W	FLASH=17		Pattern 1, Exps 1-1 in 2015-PQ312 (29) (1)	150 Secs (300 Secs) [=>(Pattern 1)] [=>(Pattern 2)]		[1]		
	2	2015-PQ312 (29) 2015-PQ312 -r		WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=17		Pattern 1, Exps 2-2 in 2015-PQ312 (29) (1)	110 Secs X 2 (440 Secs) [=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)]		[1]		
	3	2015-PQ312 (29) 2015-PQ312 -i		WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=17		Pattern 1, Exps 3-3 in 2015-PQ312 (29) (1)	180 Secs (360 Secs) [=>(Pattern 1)] [=>(Pattern 2)]		[1]		



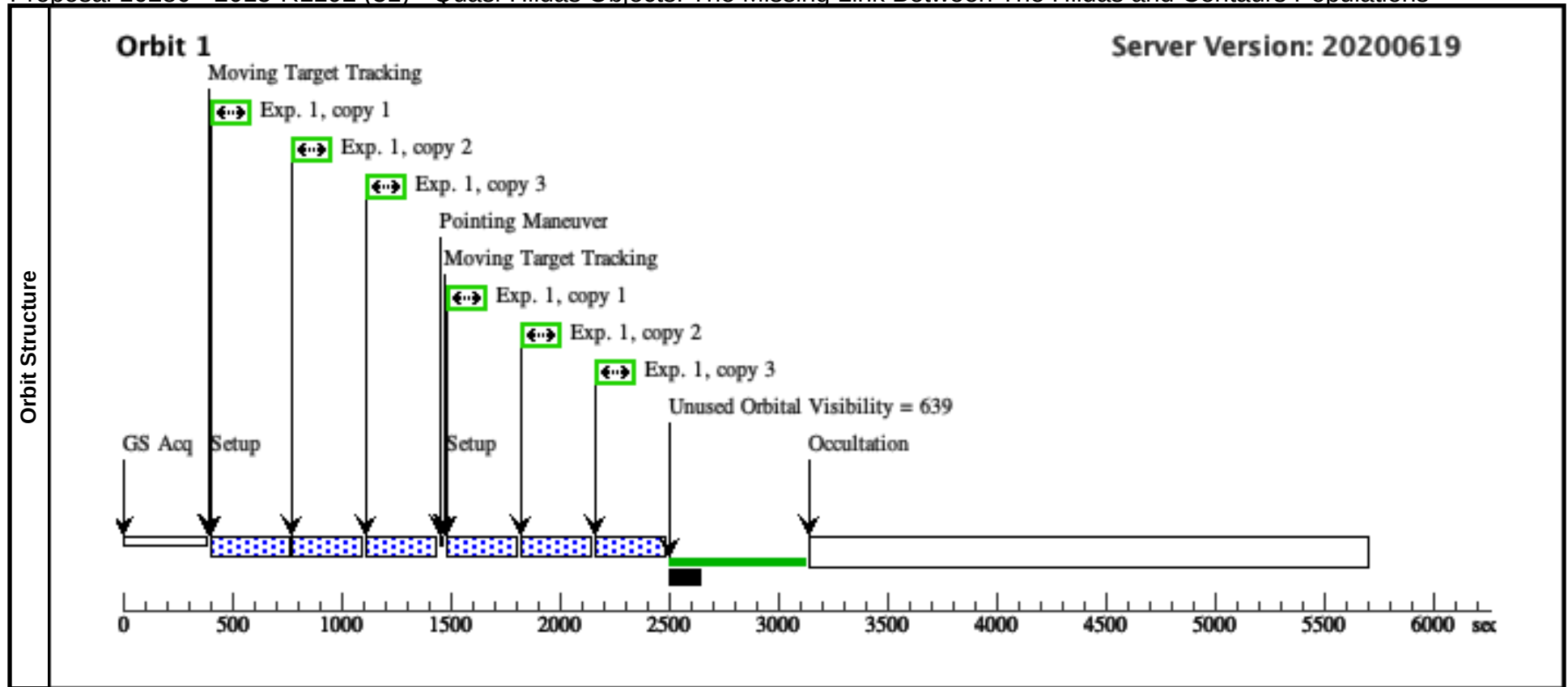
Proposal 16280 - 2015-BN521 (30) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2015-BN521 (30), implementation										Wed Jun 16 15:00:51 GMT 2021			
	Diagnostic Status: Warning													
	Scientific Instruments: WFC3/UVIS													
	Special Requirements: (none)													
Diagnostics	(2015-BN521-r (30.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1)		
Solar System Targets	#	Name	Level 1		Level 2		Level 3		Window		Ephem Center			
	(30)	2015-BN521	TYPE=ASTEROID,A=3.93229829143 1526,E=0.08632863124999193,I=1.52 0144101885543 ,O=45.67901553403811,W=124.80611 96729142,M=331.9534359848249,EQ UINOX=J2000,EPOCH=23-NOV- 2015:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 2015-BN521 Extended=NO								EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	2015-BN521-r	(30) 2015-BN521	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB		F625W	FLASH=14		Pattern 1, Exps 1-1 in 2015-BN521 (30) (1)	250 Secs X 3 (1500 Secs) [=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 1, Copy 3)] [=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)] [=>(Pattern 2, Copy 3)]		[1]		



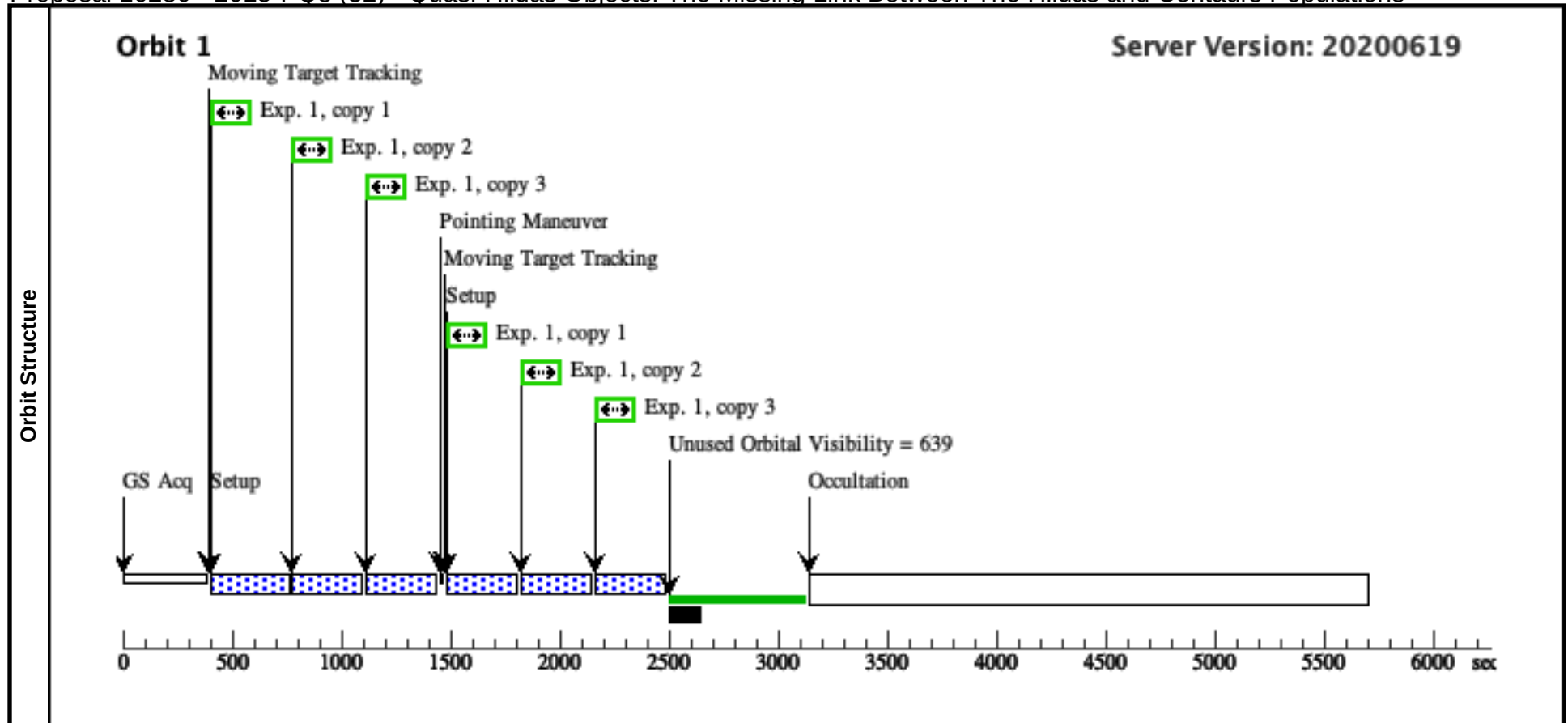
Proposal 16280 - 2015-RL192 (31) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2015-RL192 (31), scheduling										Wed Jun 16 15:00:51 GMT 2021		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(2015-RL192-r (31.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false									(1)		
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center						
	(31)	2015-RL192	TYPE=ASTEROID,A=3.958158024456804,E=0.1932490460074857,I=1.587540182719292,O=52.68152420415994,W=328.9910562054924,M=356.2337055998473,EQUINOX=J2000,EPOCH=21-OCT-2015:00:00:00,EpochTimeScale=TDB									EARTH	
	Comments: Description=ASTEROID 2015-RL192 Extended=NO												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	2015-RL192 -r	(31) 2015-RL192	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=14		Pattern 1, Exps 1-1 in 2015-RL192 (31) (1)	250 Secs X 3 (1500 Secs)				
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]		[1]		



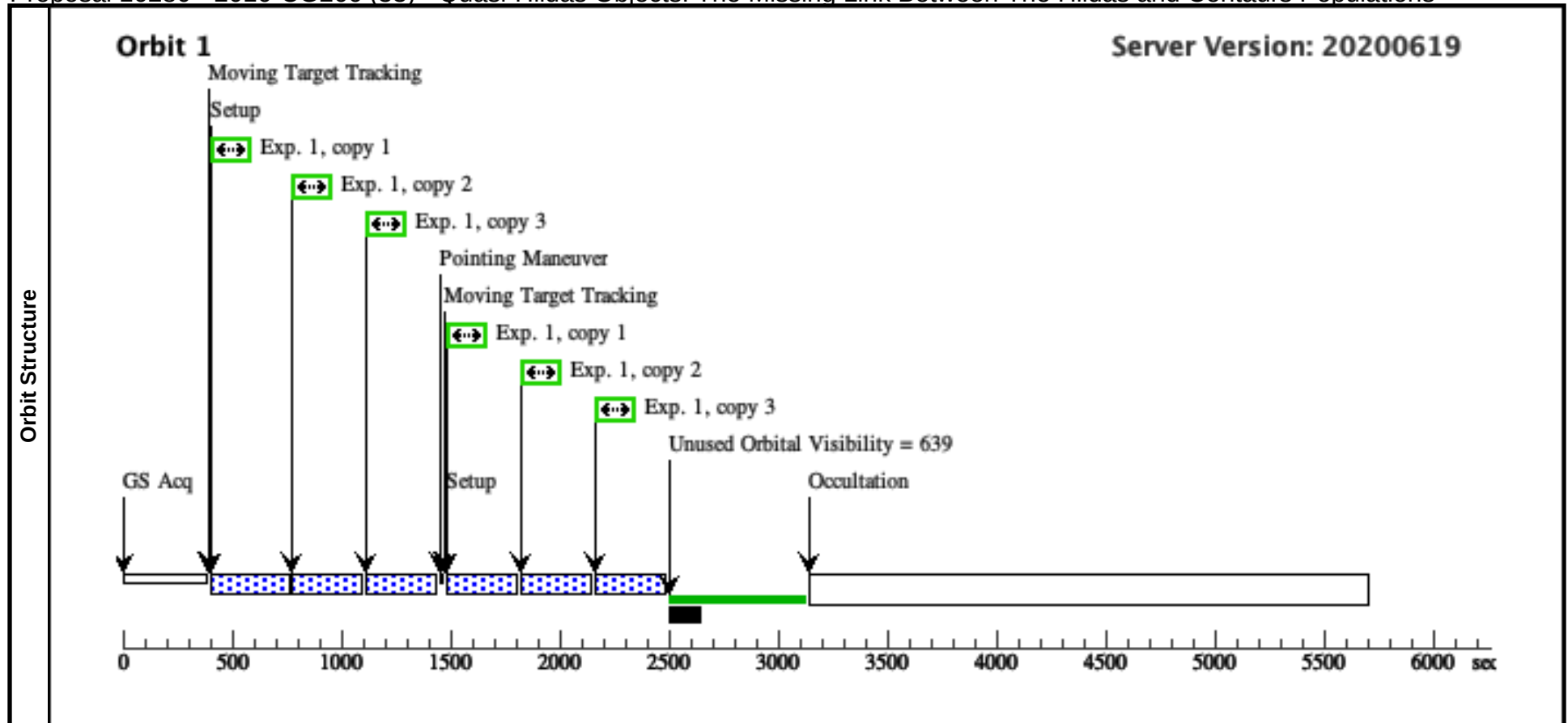
Proposal 16280 - 2015-PQ8 (32) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2015-PQ8 (32), scheduling										Wed Jun 16 15:00:51 GMT 2021	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(2015-PQ8-r (32.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1)	
Solar System Targets	#	Name	Level 1		Level 2		Level 3		Window		Ephem Center	
	(32)	2015-PQ8	TYPE=ASTEROID,A=3.98730149504 2934,E=0.3391170978675181,I=9.440 31570963282 ,O=209.6452820222783,W=193.94398 65142633,M=337.8123176300084,EQ UINOX=J2000,EPOCH=18-DEC- 2015:00:00:00,EpochTimeScale=TDB								EARTH	
	Comments: Description=ASTEROID 2015-PQ8 Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	2015-PQ8-r	(32) 2015-PQ8	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB		F625W	FLASH=14		Pattern 1, Exps 1-1 i n 2015-PQ8 (32) (1)	250 Secs X 3 (1500 Secs)		
											[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	



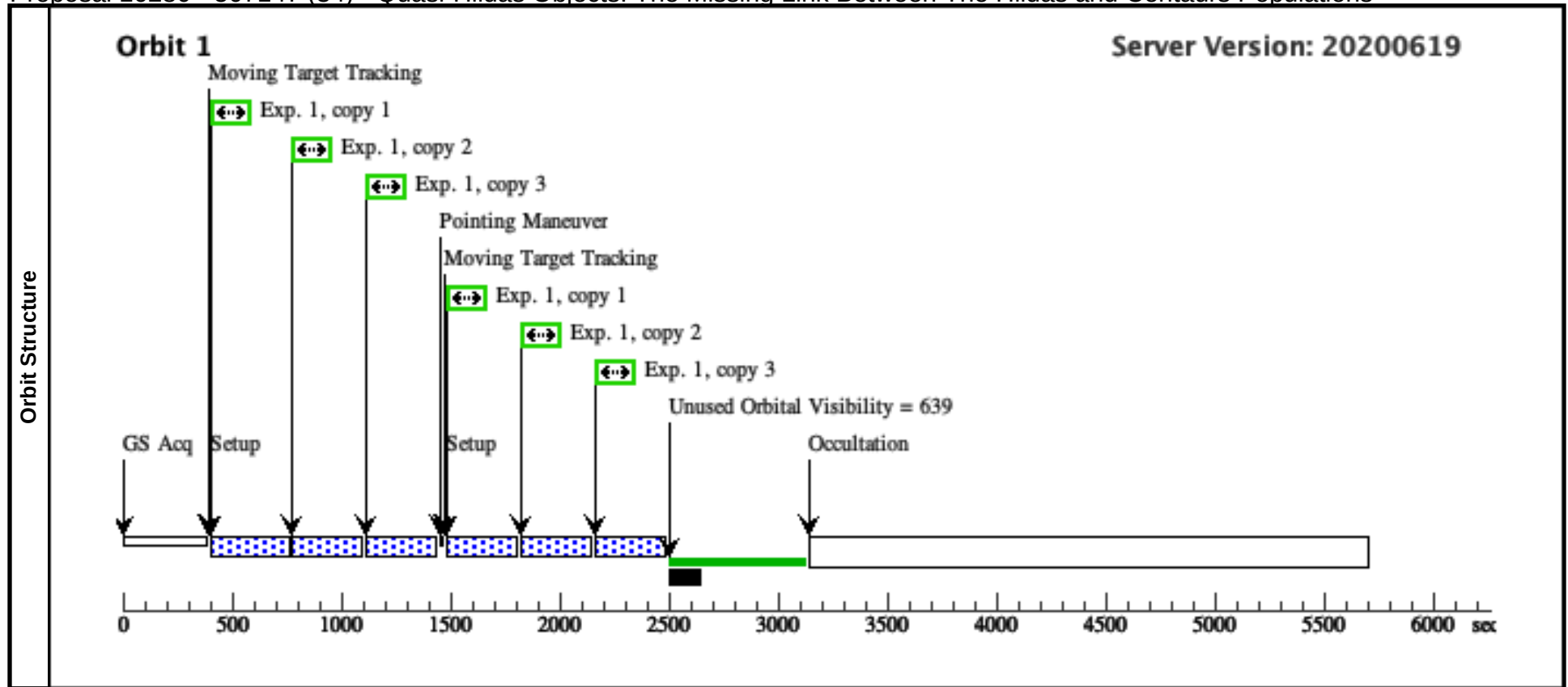
Proposal 16280 - 2016-CG266 (33) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2016-CG266 (33), implementation										Wed Jun 16 15:00:51 GMT 2021	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnos	(2016-CG266-r (33.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=								(1)		
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
	(33)	2016-CG266	TYPE=ASTEROID,A=3.92304135555 984,E=0.1280796522930121,I=4.9391 34680819588 ,O=117.6412336885274,W=50.226762 76344212,M=7.307015267711201,EQ UINOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=TDB					EARTH				
	Comments: Description=ASTEROID 2016-CG266 Extended=NO											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit		
	1	2016-CG266-r	(33) 2016-CG266	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=14		Pattern 1, Exps 1-1 in 2016-CG266 (33) (1)	250 Secs X 3 (1500 Secs) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]	[1]		



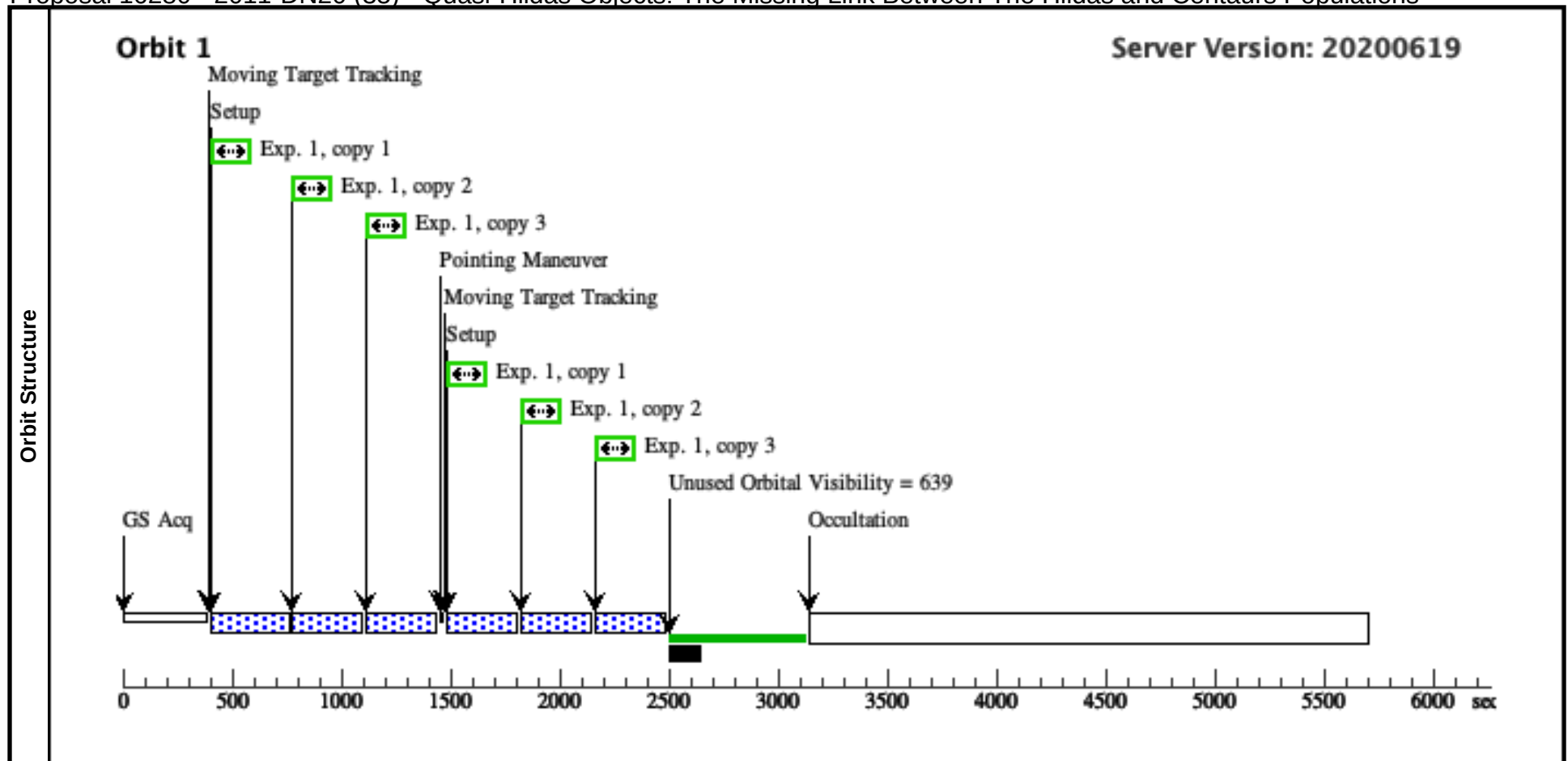
Proposal 16280 - 507147 (34) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 507147 (34), scheduling										Wed Jun 16 15:00:51 GMT 2021	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(507147-r (34.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
	(34)	507147	TYPE=ASTEROID,A=3.957282997920928,E=0.2324840688443402,I=4.494865232900766,O=272.9326368584689,W=201.4313759201341,M=272.2006448895415,EQUINOX=J2000,EPOCH=10-AUG-2016:00:00:00,EpochTimeScale=TDB				EARTH					
Comments: Description=ASTEROID Extended=NO												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	507147-r	(34) 507147	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=14		Pattern 1, Exps 1-1 in 507147 (34) (1)	250 Secs X 3 (1500 Secs) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]		[1]	



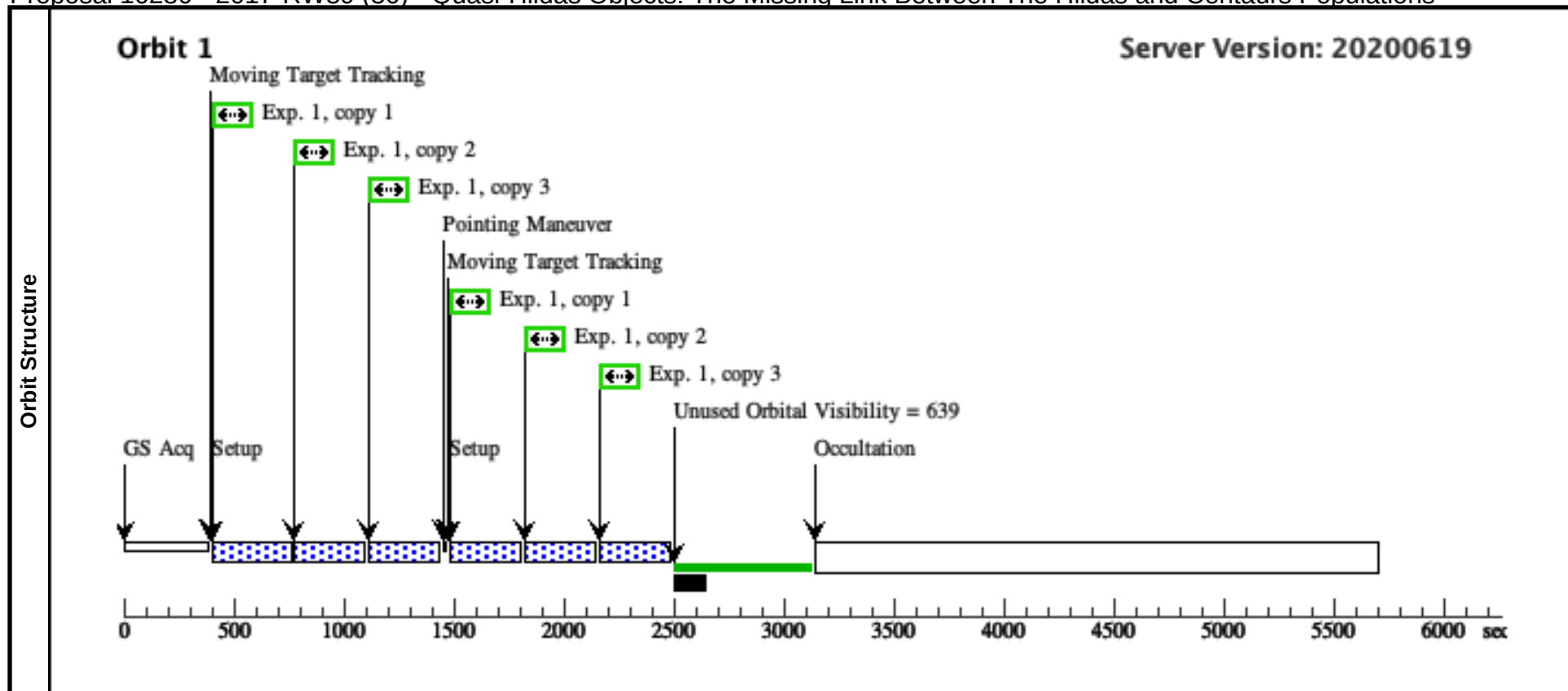
Proposal 16280 - 2011-DN20 (35) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2011-DN20 (35), scheduling										Wed Jun 16 15:00:51 GMT 2021	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(2011-DN20-r (35.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
	(35)	2011-DN20	TYPE=ASTEROID,A=3.99904099763 9158,E=0.2144732810444916,I=3.866 32172116091 ,O=97.87491874991227,W=21.630724 32146092,M=264.4392410707418,EQ UINOX=J2000,EPOCH=13-SEP- 2016:00:00:00,EpochTimeScale=TDB				EARTH					
Comments: Description=ASTEROID 2011-DN20 Extended=NO												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	2011-DN20-r	(35) 2011-DN20	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=14		Pattern 1, Exps 1-1 in 2011-DN20 (35) (1)	250 Secs X 3 (1500 Secs)			
									[==>(Pattern 1, Copy 1)]		[1]	
									[==>(Pattern 1, Copy 2)]			
									[==>(Pattern 1, Copy 3)]			
									[==>(Pattern 2, Copy 1)]			
									[==>(Pattern 2, Copy 2)]			
									[==>(Pattern 2, Copy 3)]			



Proposal 16280 - 2017-RW39 (36) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 2017-RW39 (36), scheduling										Wed Jun 16 15:00:51 GMT 2021	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(2017-RW39-r (36.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center					
	(36)	2017-RW39	TYPE=ASTEROID,A=3.93521705022 7279,E=0.209364086842389,I=3.0518 33856323427 ,O=174.533822688222,W=162.985055 953278,M=345.2340890228889,EQUI NOX=J2000,EPOCH=15-MAR- 2017:00:00:00,EpochTimeScale=TDB Comments: Description=ASTEROID 2017-RW39 Extended=NO				EARTH					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	2017-RW39 -r	(36) 2017-RW39	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	FLASH=14		Pattern 1, Exps 1-1 in 2017-RW39 (36) (1)	250 Secs X 3 (1500 Secs) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]		[1]	



Proposal 16280 - 39P (37) - Quasi-Hildas Objects: The Missing Link Between The Hildas and Centaurs Populations

Visit	Proposal 16280, 39P (37), scheduling										Wed Jun 16 15:00:51 GMT 2021			
	Diagnostic Status: Warning													
	Scientific Instruments: WFC3/UVIS													
	Special Requirements: (none)													
Diagnostics	(39P-r (37.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false										(1)		
Solar System Targets	#	Name	Level 1		Level 2		Level 3		Window		Ephem Center			
	(37)	39P	TYPE=ASTEROID,A=7.21403596539 7565,E=0.2431247686159108,I=1.951 228375243417 ,O=332.1707230932955,W=55.930301 05403736,M=200.9896924367387,EQ UINOX=J2000,EPOCH=25-NOV- 1974:00:00:00,EpochTimeScale=TDB Comments: Description=COMET 39P Extended=NO								EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	39P-r	(37) 39P	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB		F625W	FLASH=14		Pattern 1, Exps 1-1 i n 39P (37) (1)	250 Secs X 3 (1500 Secs) [==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)]		[1]		

