



17297 - Evolution of the DART Dimorphos Debris Field

Cycle: 30, Proposal Category: GO

(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) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:32.0	yes
02	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:33.0	yes
03	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:34.0	yes
04	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:34.0	yes
05	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:35.0	yes
06	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:36.0	yes
07	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:36.0	yes
08	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:37.0	yes
09	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:38.0	yes
10	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:38.0	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>
11	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:39.0	yes
12	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:39.0	yes
13	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:40.0	yes
14	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:41.0	yes
15	(1) DIDYMOS	WFC3/UVIS	1	22-Mar-2023 14:00:41.0	yes

15 Total Orbits Used

ABSTRACT

Deep HST images of the NASA DART asteroid target Didymos/Dimorphos reveal the unexpected existence of a swarm of at least 40 discrete, co-moving objects. These are interpreted as boulders lifted from the asteroid surface by the DART impact, with sizes up to 8 m. Depending on the size distribution, large particles like those observed may dominate the ejected mass, so that it is important to characterize their properties (especially size), their number, and their dynamics. We propose deep observations with HST and WFC3 in order to obtain additional observations before the boulder swarm fades to invisibility. Using the enlarged data arc provided by the new observations, we will estimate the ejection speeds and directions and compare with independent measurements and models of the small particle ejection. The observations are urgent because the target is rapidly fading as it recedes from the Sun and Earth and because the boulders are already very faint. The proposed measurements maximally capitalize on the resolution and sensitivity of HST. Results will be of value for the practical understanding of impact physics, for the interpretation of natural impacts like those already detected in P/2010 A2 and 596 Scheila, and to set the scene for ESA's imminent HERA mission to Didymos/Dimorphos.

OBSERVING DESCRIPTION

We request 15 orbits with WFC3 and F350LP on or near April 1. This number of orbits will provide detections of 8 - 12 boulders and give unique and irreplaceable information on the dynamics of the largest bodies ejected by the DART impact. More boulders could be imaged, but only at the cost of a much larger orbit allocation that would be incompatible with the mid-cycle limit and also disproportionate to the extra science gained. The ejection velocity field obtained from the observations will be compared with the known impact and ejecta directions from the DART impact mission. The orbits should ideally be close together but need not be contiguous. The observation would be conducted as follows. The F350LP filter is a long-pass filter with very broad spectral coverage (FWHM > 4000 Å), providing maximum sensitivity to continuum sources. It has become the standard filter for numerous Hubble GO observations of faint solar system targets, from asteroids and comet nuclei to Kuiper belt objects. Our plan is to obtain

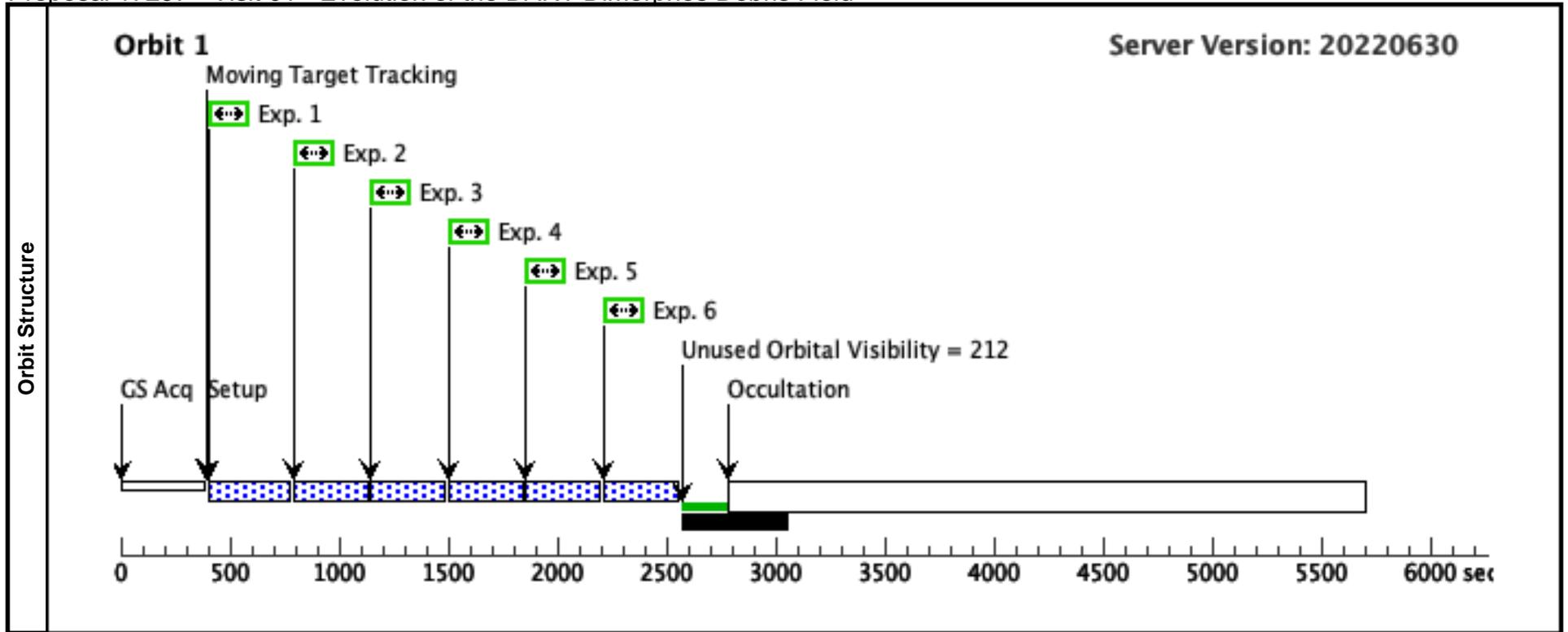
Proposal 17297 (STScI Edit Number: 2, Created: Wednesday, March 22, 2023 at 1:00:42 PM Eastern Standard Time) - Overview

dithered images (to escape the effects of bad pixels and the inter-chip gap) with six images per orbit having exposure times of 200s each. To maximize observing efficiency and, bearing in mind the known sky area occupied by the co-movers, we will use a 2k x 2k WFC3 CCD readout, providing a 80 x 80 arcsec field of view. The target fades progressively as it recedes from the Earth and Sun. We used the WFC3 Exposure Time Calculator to find that the brightest co-mover would be detected at optimum SNR (signal-to-noise ratio) = 5.3 on UT 2023 April 1, given 15 orbits of HST with WFC3 and F350LP. A composite from these 15 orbits will reveal the largest and brightest 8 - 12 of the 38 detected boulders at signal-to-noise > 3 and give valuable (+/- 0.04 arcsec) astrometry for each. This is a large enough sample and good enough accuracy to meaningfully probe the ejection dynamics of the boulders as a group. Therefore, we request 15 orbits with WFC3 and F350LP on or near April 1, with earlier observations providing better sensitivity and substantially later ones degrading the number of boulders to be detected. In summary, our request is for 15 orbits with WFC3 and F350LP, as close as possible to UT 2023 April 1. The ephemeris uncertainties are < 1 arcsec and have no impact on the planned observations. The non-sidereal rates of Didymos as observed from HST are < 65 arcsec/hour on UT 2023 April 1 and fall well within HST's tracking capabilities (which are limited by linear interpolation from the ephemeris). The elongation of Didymos is 107 degrees on April 1, falling into the HST solar exclusion zone of 55 degrees by UT 2023 July 6. It remains too close to the Sun to observe until 2024 Jan 28, by which time both rH and delta are too large for the boulders to be imaged. Equivalent Cycle 31 observations therefore cannot be proposed. There is no observationally favorable, comparably close pass to Earth by Didymos until 2062 and therefore the proposed observations cannot be repeated in the foreseeable future. Scheduling of these observations and characterization of the ejecta in the remainder of Cycle 30 will allow us to be ready for the next stage of the Didymos/Dimorphos investigation, expected to unfold with the upcoming launch of the ESA HERA mission in late 2024.

Proposal 17297 - Visit 01 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

Visit	Proposal 17297, Visit 01, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 30-MAR-2023:00:00:00 AND 17-APR-2023:00:00:00; GROUP 01.02.03.04.05.06.07.08.09.10.11.12.13.14.15 WITHIN 36H									
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
Solar System Targets	(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.				EARTH			
	Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) DIDYMOS		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 01	170 Secs (170 Secs) [==>]	[1]
	2	(1) DIDYMOS		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 01	170 Secs (170 Secs) [==>]	[1]
	3	(1) DIDYMOS		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 01	170 Secs (170 Secs) [==>]	[1]
	4	(1) DIDYMOS		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 01	170 Secs (170 Secs) [==>]	[1]
	5	(1) DIDYMOS		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 01	170 Secs (170 Secs) [==>]	[1]
	6	(1) DIDYMOS		WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 01	170 Secs (170 Secs) [==>]	[1]



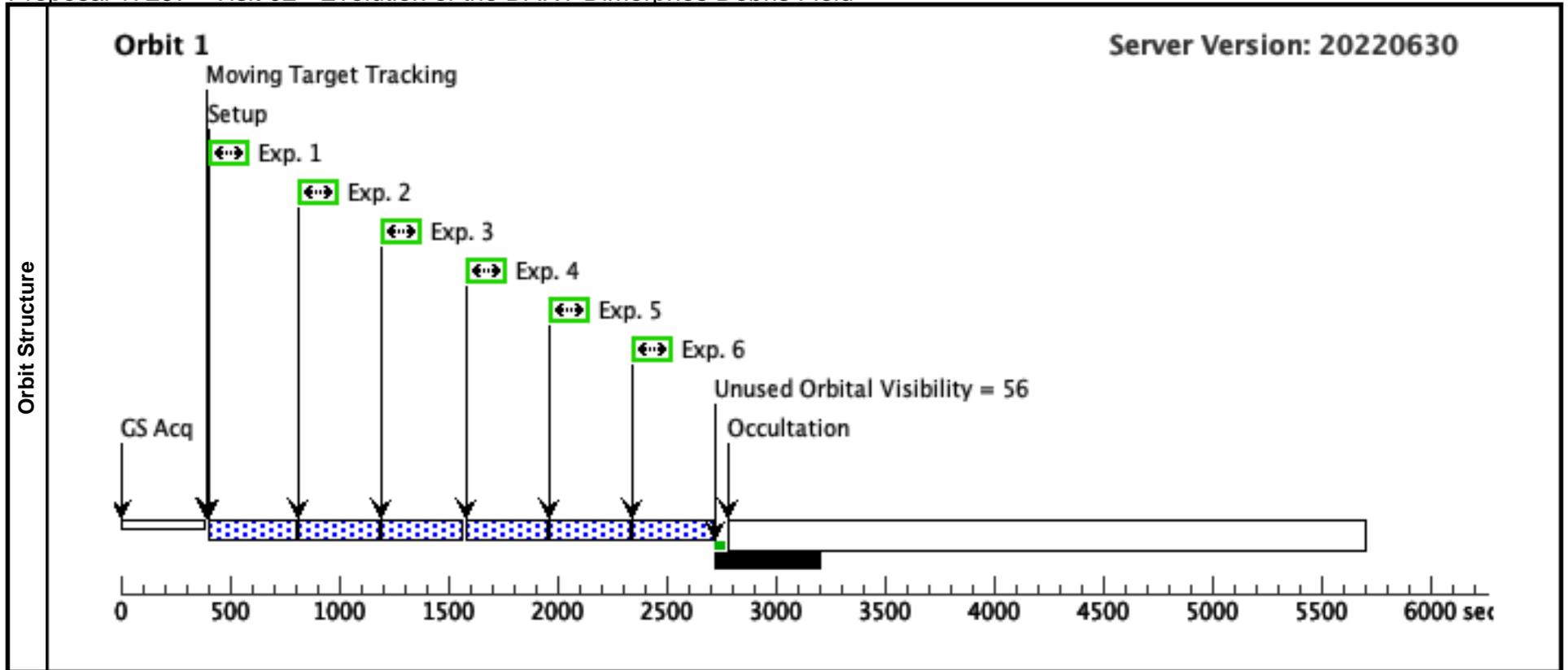
Proposal 17297 - Visit 02 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

Visit	Proposal 17297, Visit 02, implementation						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: WFC3/UVIS						
	Special Requirements: (none)						

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.				
<i>Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft</i>							
<i>Extended=NO</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 02	200 Secs (200 Secs) [==>]	[1]
	2	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 02	200 Secs (200 Secs) [==>]	[1]
	3	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 02	200 Secs (200 Secs) [==>]	[1]
	4	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 02	200 Secs (200 Secs) [==>]	[1]
	5	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 02	200 Secs (200 Secs) [==>]	[1]
	6	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 02	200 Secs (200 Secs) [==>]	[1]



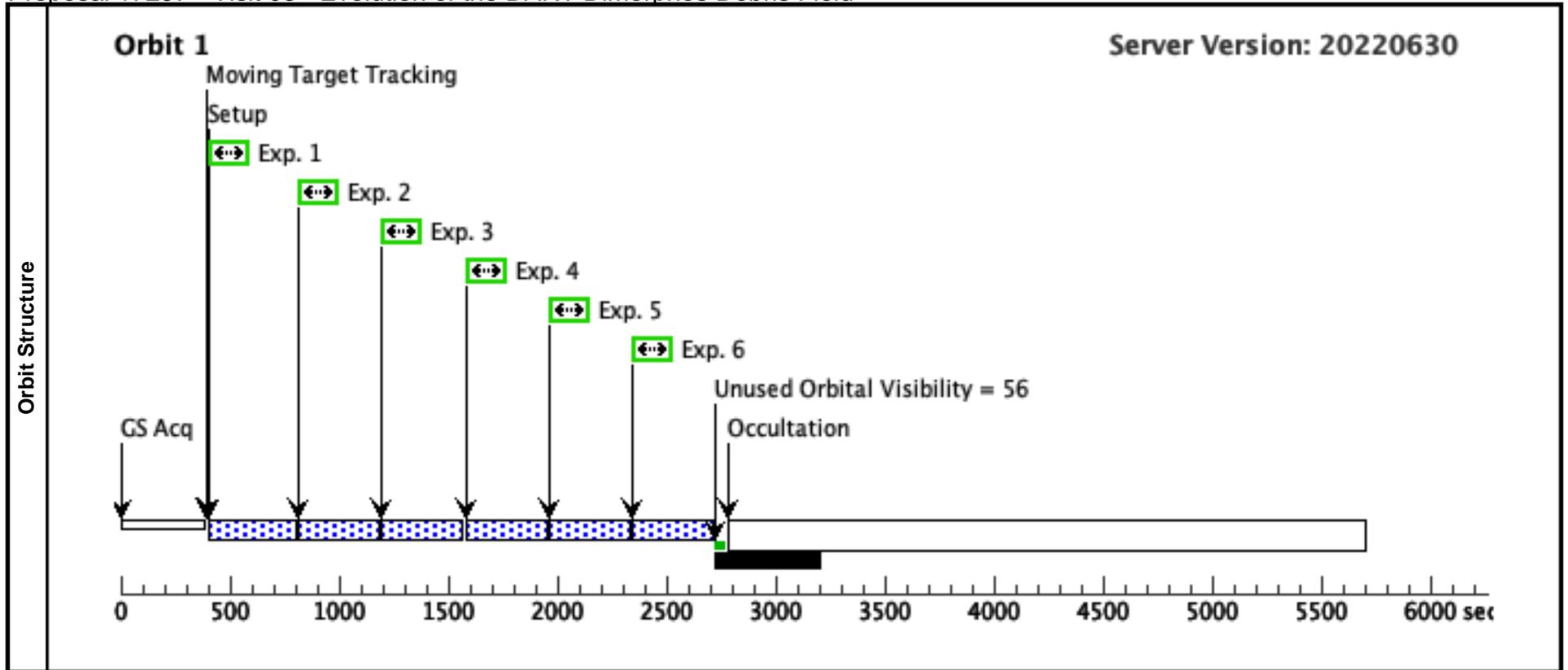
Proposal 17297 - Visit 03 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

Visit	Proposal 17297, Visit 03, implementation						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: WFC3/UVIS						
	Special Requirements: (none)						

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.				
<i>Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft</i>							
<i>Extended=NO</i>							

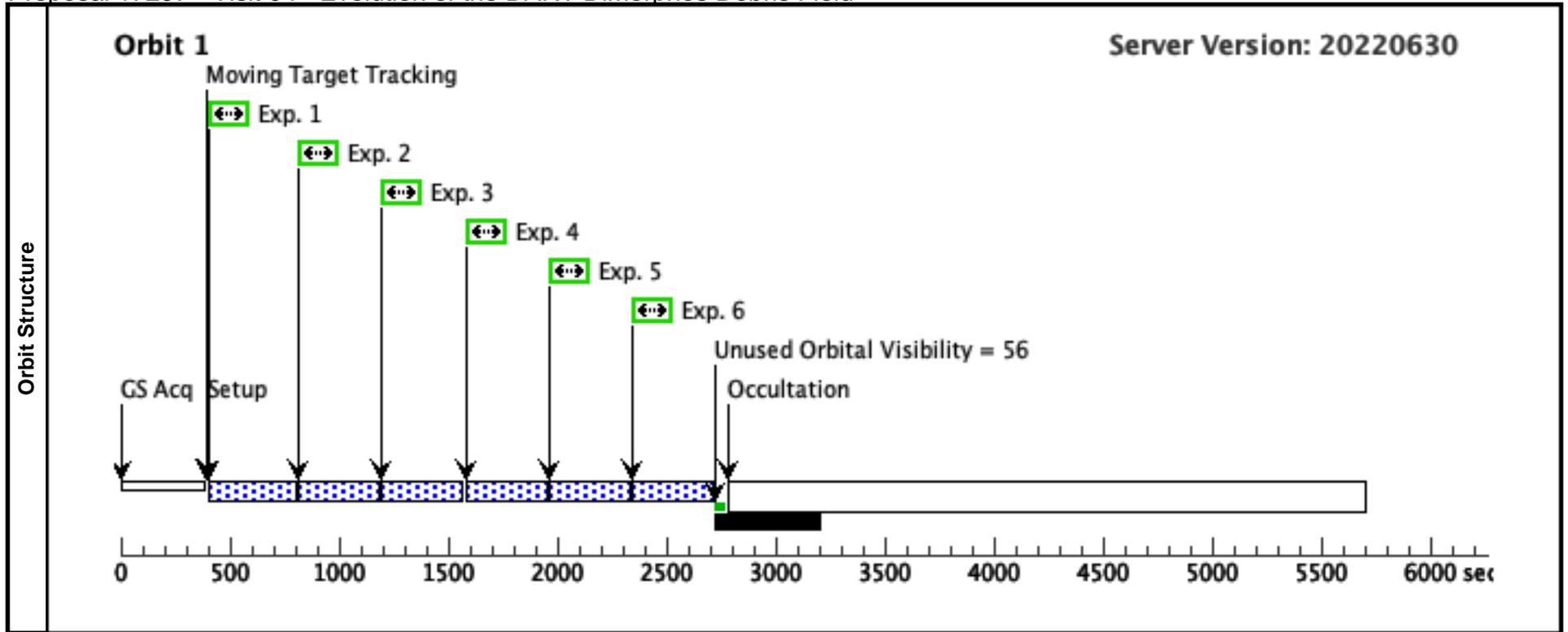
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 03	200 Secs (200 Secs)	[1]
	2	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 03	200 Secs (200 Secs)	[1]
	3	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 03	200 Secs (200 Secs)	[1]
	4	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 03	200 Secs (200 Secs)	[1]
	5	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 03	200 Secs (200 Secs)	[1]
	6	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 03	200 Secs (200 Secs)	[1]



Proposal 17297 - Visit 04 - Evolution of the DART Dimorphos Debris Field

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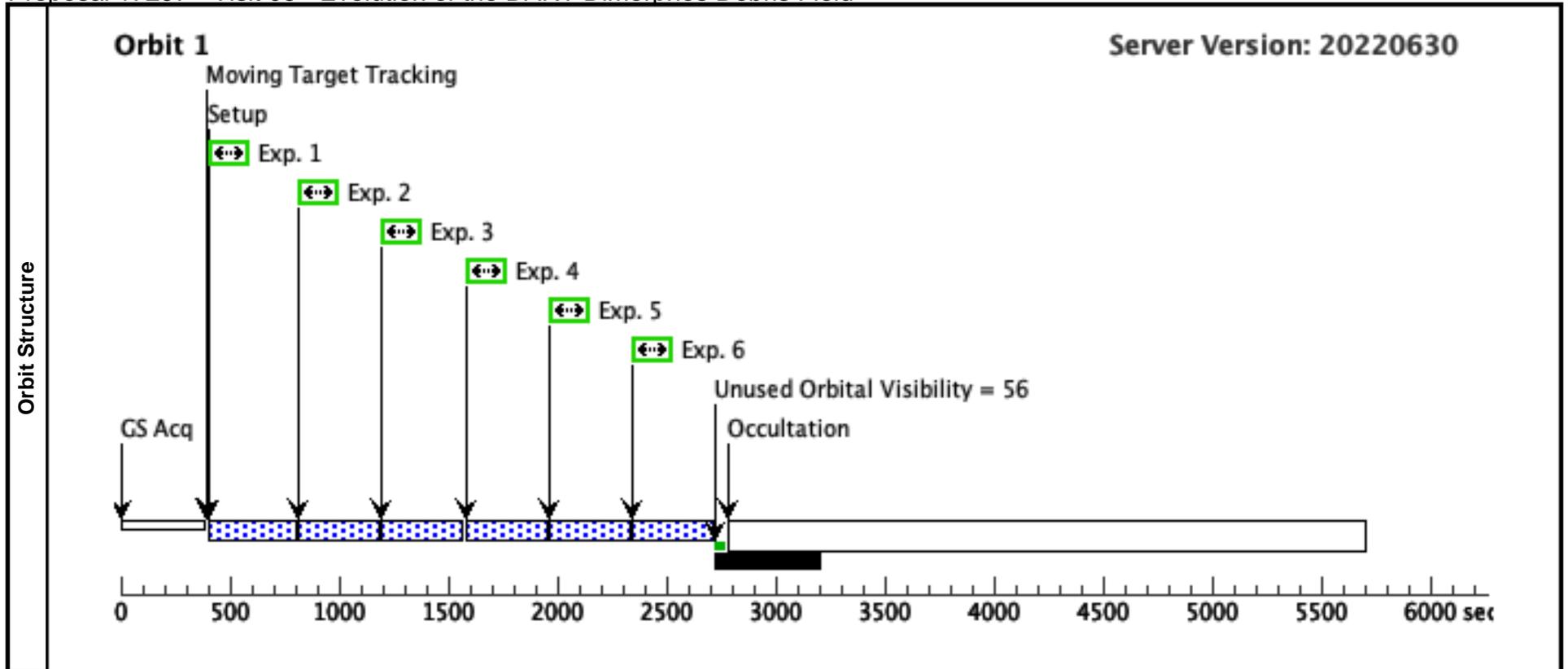
Visit		Proposal 17297, Visit 04, implementation									
		Diagnostic Status: No Diagnostics									
		Scientific Instruments: WFC3/UVIS									
		Special Requirements: (none)									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
	(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.							EARTH	
		<i>Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft</i>									
		<i>Extended=NO</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 04	200 Secs (200 Secs)	[==>]	[1]
	2		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 04	200 Secs (200 Secs)	[==>]	[1]
	3		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 04	200 Secs (200 Secs)	[==>]	[1]
	4		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 04	200 Secs (200 Secs)	[==>]	[1]
	5		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 04	200 Secs (200 Secs)	[==>]	[1]
	6		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 04	200 Secs (200 Secs)	[==>]	[1]



Proposal 17297 - Visit 05 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

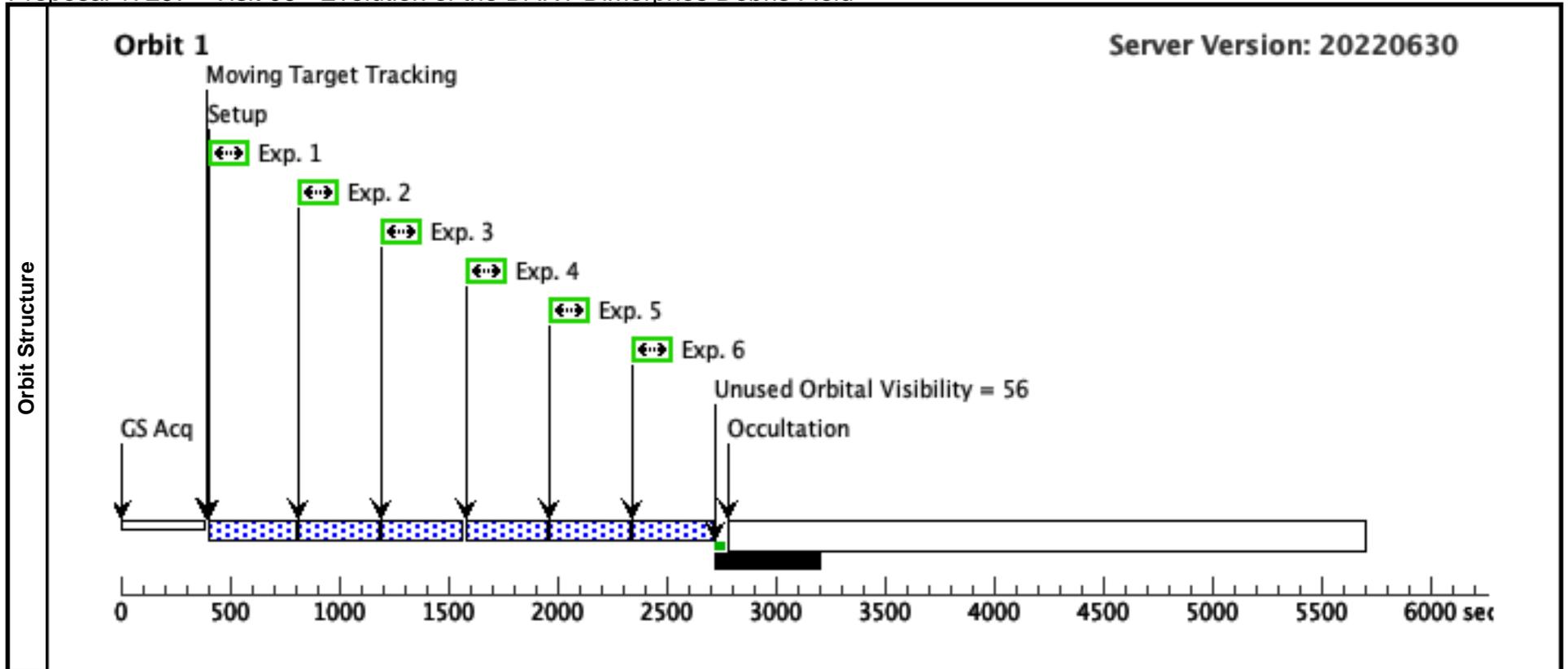
Visit		Proposal 17297, Visit 05, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.					EARTH			
<i>Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft Extended=NO</i>											
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 05	200 Secs (200 Secs)	[==>]	[1]	
	2	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 05	200 Secs (200 Secs)	[==>]	[1]	
	3	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 05	200 Secs (200 Secs)	[==>]	[1]	
	4	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 05	200 Secs (200 Secs)	[==>]	[1]	
	5	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 05	200 Secs (200 Secs)	[==>]	[1]	
	6	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6		Sequence 1-6 Non-In t in Visit 05	200 Secs (200 Secs)	[==>]	[1]	



Proposal 17297 - Visit 06 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

Visit	Proposal 17297, Visit 06, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
Solar System Targets	(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.				EARTH			
	<i>Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft Extended=NO</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 06	200 Secs (200 Secs) [==>]	[1]
	2	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 06	200 Secs (200 Secs) [==>]	[1]
	3	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 06	200 Secs (200 Secs) [==>]	[1]
	4	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 06	200 Secs (200 Secs) [==>]	[1]
	5	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 06	200 Secs (200 Secs) [==>]	[1]
	6	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 06	200 Secs (200 Secs) [==>]	[1]



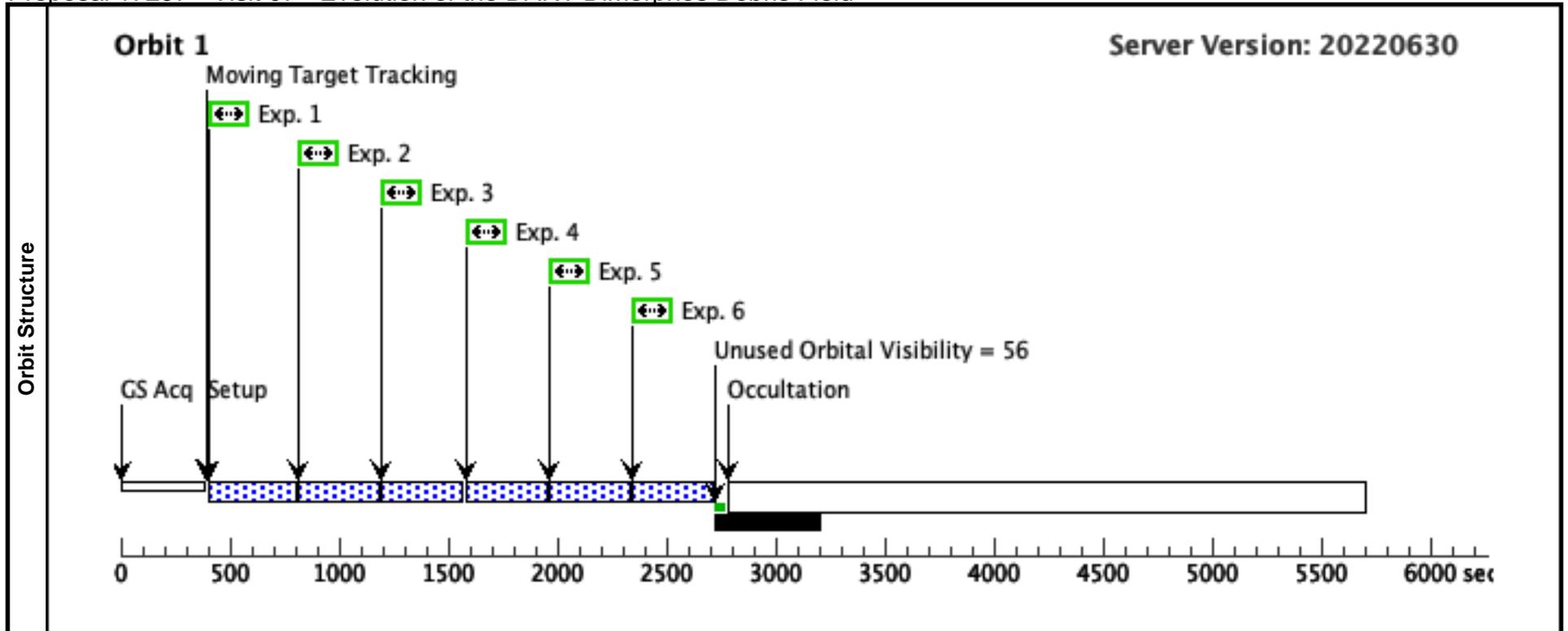
Proposal 17297 - Visit 07 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

Visit	Proposal 17297, Visit 07, implementation						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: WFC3/UVIS						
	Special Requirements: (none)						

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.				
<i>Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft</i>							
<i>Extended=NO</i>							

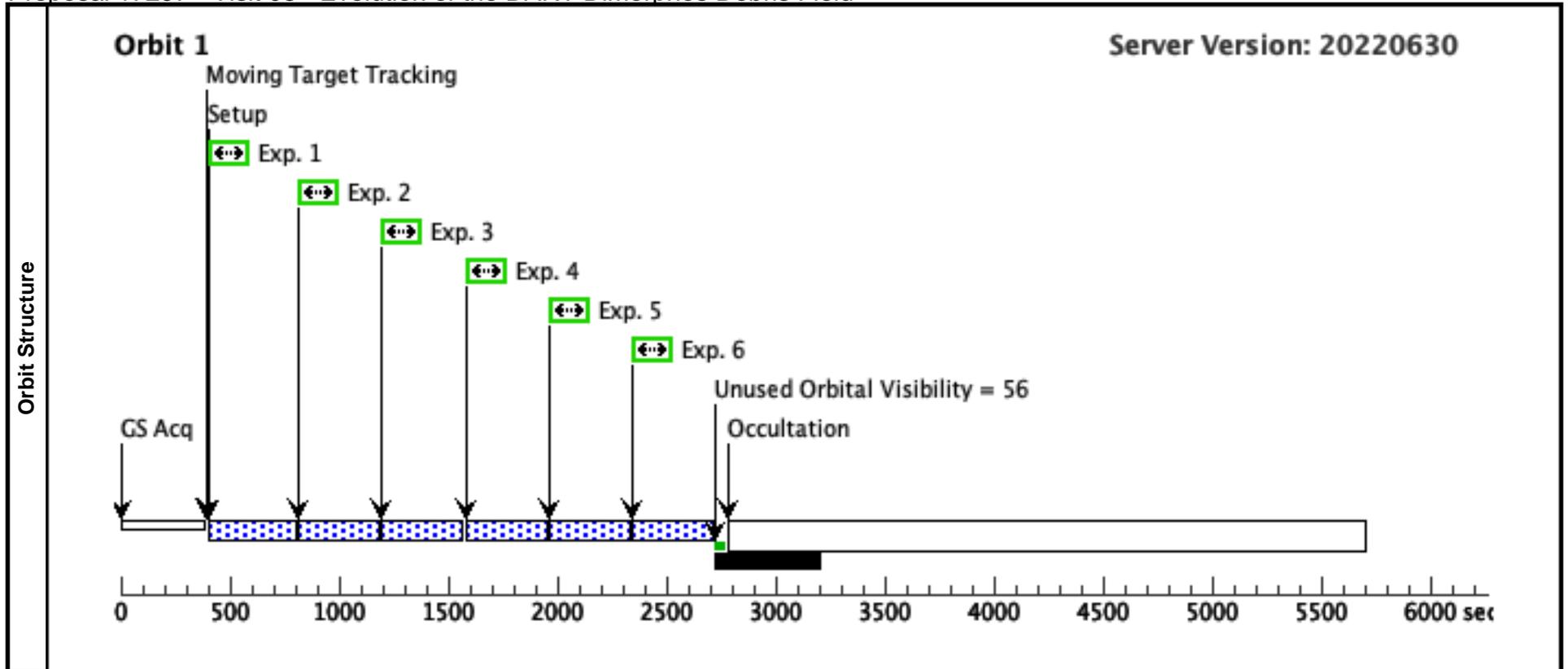
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 07	200 Secs (200 Secs)	[1]
2		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 07	200 Secs (200 Secs)	[1]	
3		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 07	200 Secs (200 Secs)	[1]	
4		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 07	200 Secs (200 Secs)	[1]	
5		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 07	200 Secs (200 Secs)	[1]	
6		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 07	200 Secs (200 Secs)	[1]	



Proposal 17297 - Visit 08 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

Visit		Proposal 17297, Visit 08, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)								
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
		(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.					EARTH	
<i>Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft Extended=NO</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 08	200 Secs (200 Secs) [==>]	[1]
	2		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 08	200 Secs (200 Secs) [==>]	[1]
	3		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 08	200 Secs (200 Secs) [==>]	[1]
	4		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 08	200 Secs (200 Secs) [==>]	[1]
	5		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 08	200 Secs (200 Secs) [==>]	[1]
	6		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 08	200 Secs (200 Secs) [==>]	[1]



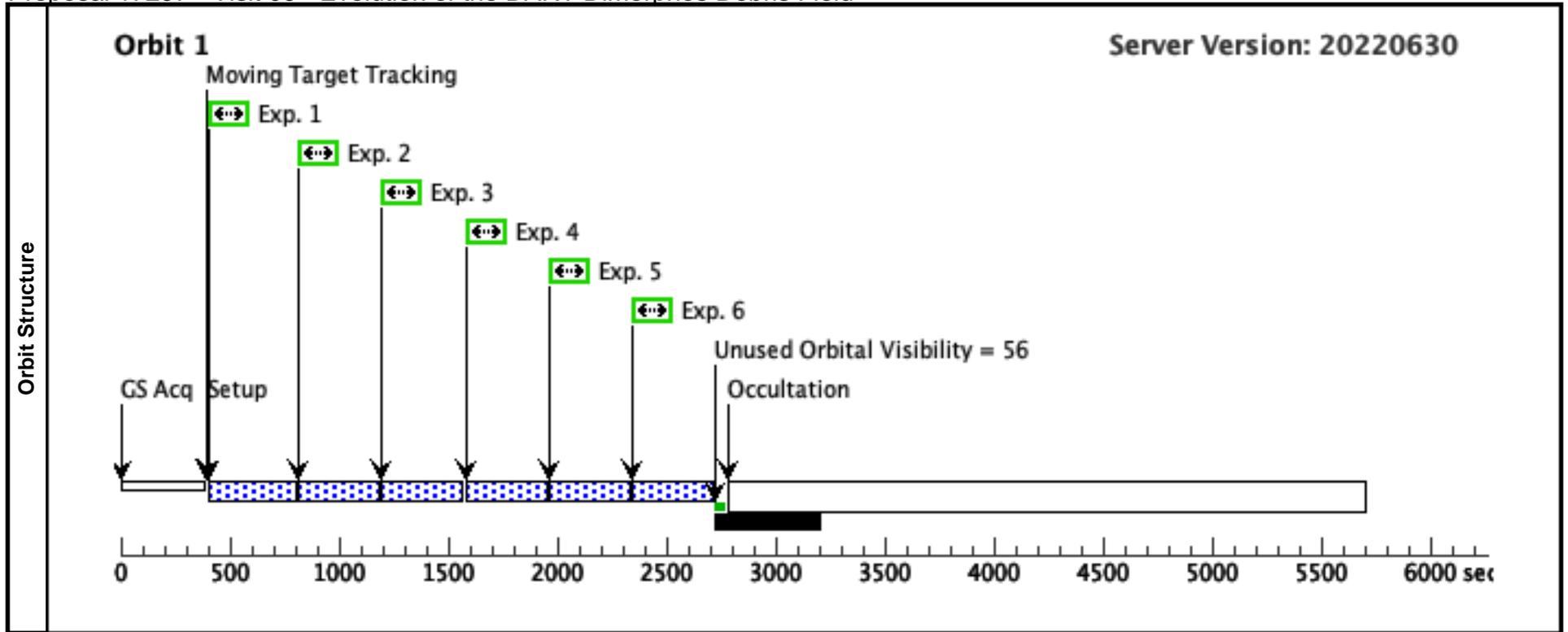
Proposal 17297 - Visit 09 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

Visit	Proposal 17297, Visit 09, implementation						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: WFC3/UVIS						
	Special Requirements: (none)						

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.				
<i>Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft</i>							
<i>Extended=NO</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 09	200 Secs (200 Secs)	[1]
	2	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 09	200 Secs (200 Secs)	[1]
	3	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 09	200 Secs (200 Secs)	[1]
	4	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 09	200 Secs (200 Secs)	[1]
	5	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 09	200 Secs (200 Secs)	[1]
	6	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 09	200 Secs (200 Secs)	[1]



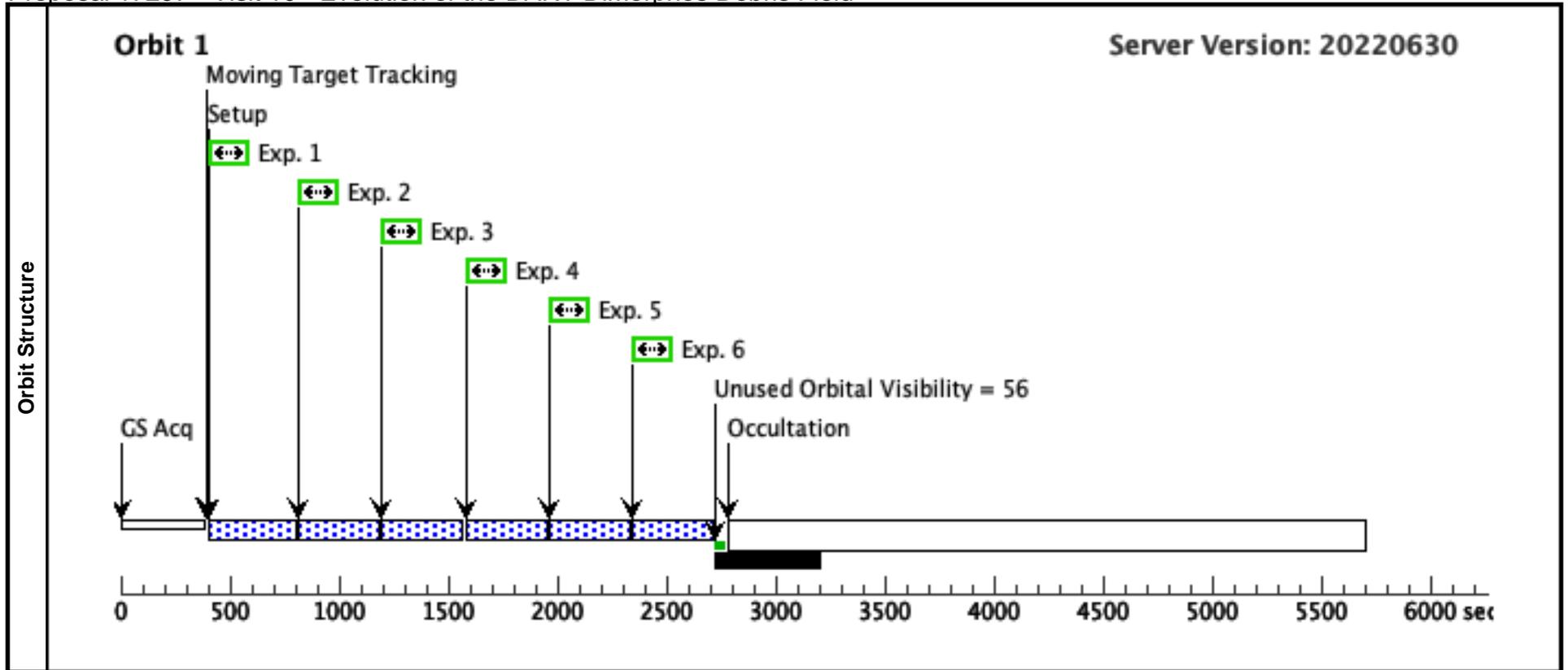
Proposal 17297 - Visit 10 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

Visit	Proposal 17297, Visit 10, implementation						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: WFC3/UVIS						
	Special Requirements: (none)						

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.				
<i>Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft</i>							
<i>Extended=NO</i>							

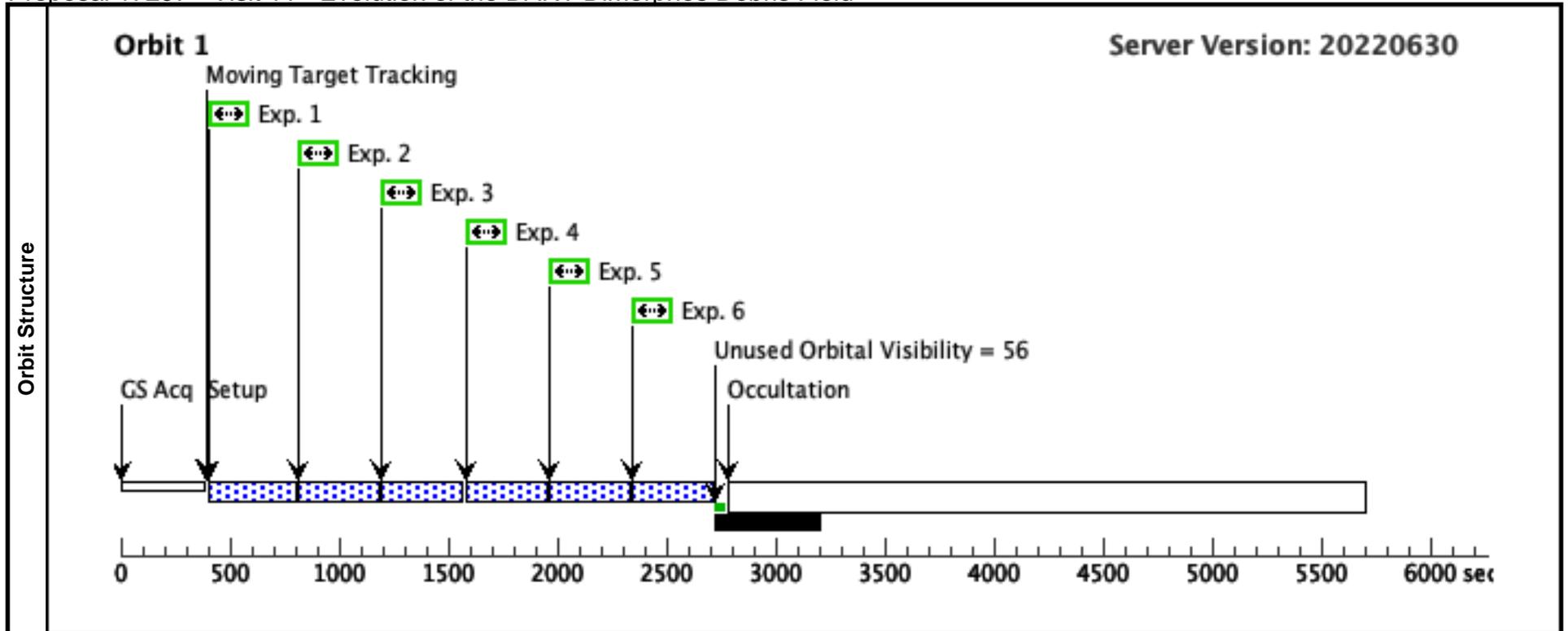
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 10	200 Secs (200 Secs)	[1]
	2	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 10	200 Secs (200 Secs)	[1]
	3	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 10	200 Secs (200 Secs)	[1]
	4	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 10	200 Secs (200 Secs)	[1]
	5	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 10	200 Secs (200 Secs)	[1]
	6	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.4,0.4	Sequence 1-6 Non-In t in Visit 10	200 Secs (200 Secs)	[1]



Proposal 17297 - Visit 11 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

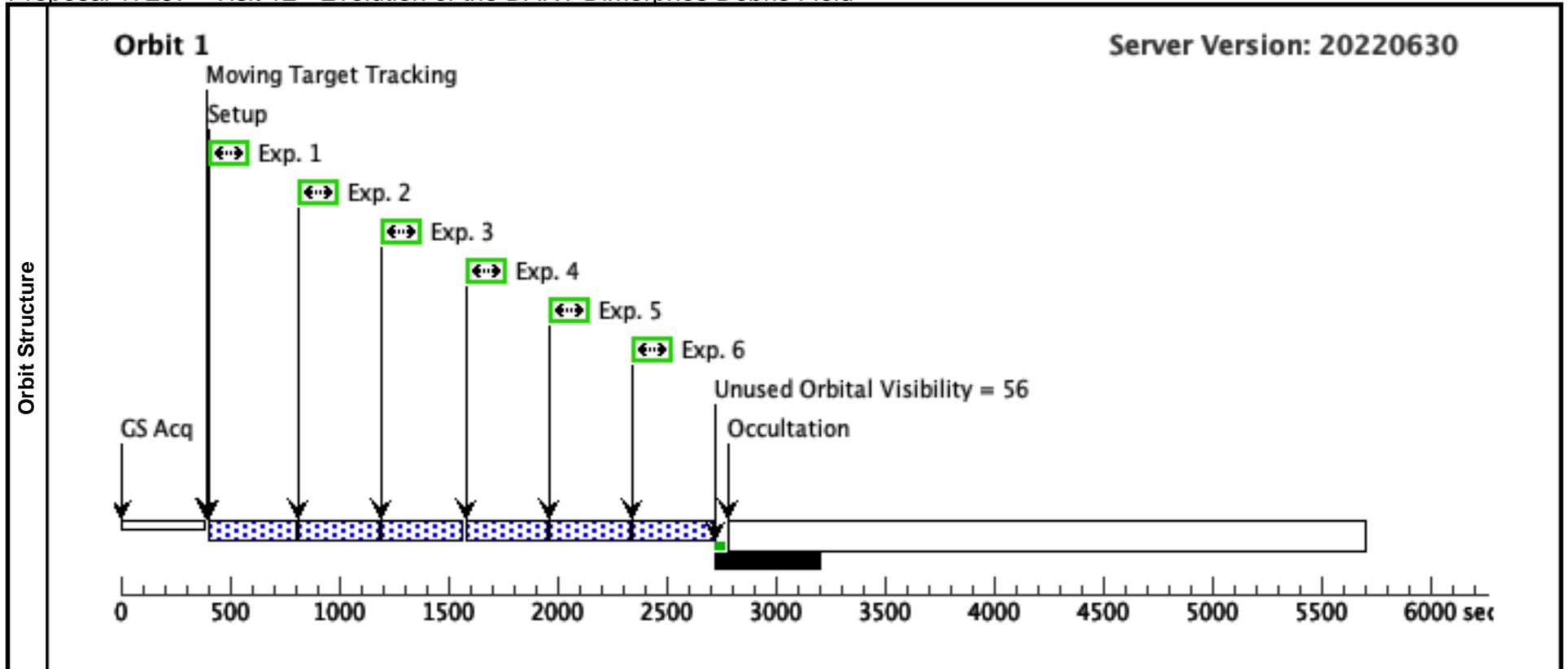
Visit		Proposal 17297, Visit 11, implementation								
		Diagnostic Status: No Diagnostics								
		Scientific Instruments: WFC3/UVIS								
		Special Requirements: (none)								
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.					EARTH		
		Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft Extended=NO								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 11	200 Secs (200 Secs)	
									[==>]	[1]
	2		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 11	200 Secs (200 Secs)	
									[==>]	[1]
	3		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 11	200 Secs (200 Secs)	
									[==>]	[1]
4		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 11	200 Secs (200 Secs)		
								[==>]	[1]	
5		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 11	200 Secs (200 Secs)		
								[==>]	[1]	
6		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 11	200 Secs (200 Secs)		
								[==>]	[1]	



Proposal 17297 - Visit 12 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

Visit		Proposal 17297, Visit 12, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)																																																													
Solar System Targets		# Name Level 1 Level 2 Level 3 Window Ephem Center	(1) DIDYMOS TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0. Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft Extended=NO							EARTH																																																					
Exposures		# Label Target Config,Mode,Aperture Spectral Els. Opt. Params. Special Reqs. Groups Exp. Time (Total)/[Actual Dur.] Orbit	<table border="1"> <tbody> <tr> <td>1</td> <td>(1) DIDYMOS</td> <td>WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB</td> <td>F350LP</td> <td>FLASH=6</td> <td>POS TARG 0.8,0.8</td> <td>Sequence 1-6 Non-Int in Visit 12</td> <td>200 Secs (200 Secs)</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>(1) DIDYMOS</td> <td>WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB</td> <td>F350LP</td> <td>FLASH=6</td> <td>POS TARG 0.8,0.8</td> <td>Sequence 1-6 Non-Int in Visit 12</td> <td>200 Secs (200 Secs)</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>(1) DIDYMOS</td> <td>WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB</td> <td>F350LP</td> <td>FLASH=6</td> <td>POS TARG 0.8,0.8</td> <td>Sequence 1-6 Non-Int in Visit 12</td> <td>200 Secs (200 Secs)</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>(1) DIDYMOS</td> <td>WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB</td> <td>F350LP</td> <td>FLASH=6</td> <td>POS TARG 0.8,0.8</td> <td>Sequence 1-6 Non-Int in Visit 12</td> <td>200 Secs (200 Secs)</td> <td>[1]</td> </tr> <tr> <td>5</td> <td>(1) DIDYMOS</td> <td>WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB</td> <td>F350LP</td> <td>FLASH=6</td> <td>POS TARG 0.8,0.8</td> <td>Sequence 1-6 Non-Int in Visit 12</td> <td>200 Secs (200 Secs)</td> <td>[1]</td> </tr> <tr> <td>6</td> <td>(1) DIDYMOS</td> <td>WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB</td> <td>F350LP</td> <td>FLASH=6</td> <td>POS TARG 0.8,0.8</td> <td>Sequence 1-6 Non-Int in Visit 12</td> <td>200 Secs (200 Secs)</td> <td>[1]</td> </tr> </tbody> </table>							1	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-Int in Visit 12	200 Secs (200 Secs)	[1]	2	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-Int in Visit 12	200 Secs (200 Secs)	[1]	3	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-Int in Visit 12	200 Secs (200 Secs)	[1]	4	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-Int in Visit 12	200 Secs (200 Secs)	[1]	5	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-Int in Visit 12	200 Secs (200 Secs)	[1]	6	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-Int in Visit 12	200 Secs (200 Secs)	[1]
1	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-Int in Visit 12	200 Secs (200 Secs)	[1]																																																							
2	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-Int in Visit 12	200 Secs (200 Secs)	[1]																																																							
3	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-Int in Visit 12	200 Secs (200 Secs)	[1]																																																							
4	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-Int in Visit 12	200 Secs (200 Secs)	[1]																																																							
5	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-Int in Visit 12	200 Secs (200 Secs)	[1]																																																							
6	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-Int in Visit 12	200 Secs (200 Secs)	[1]																																																							



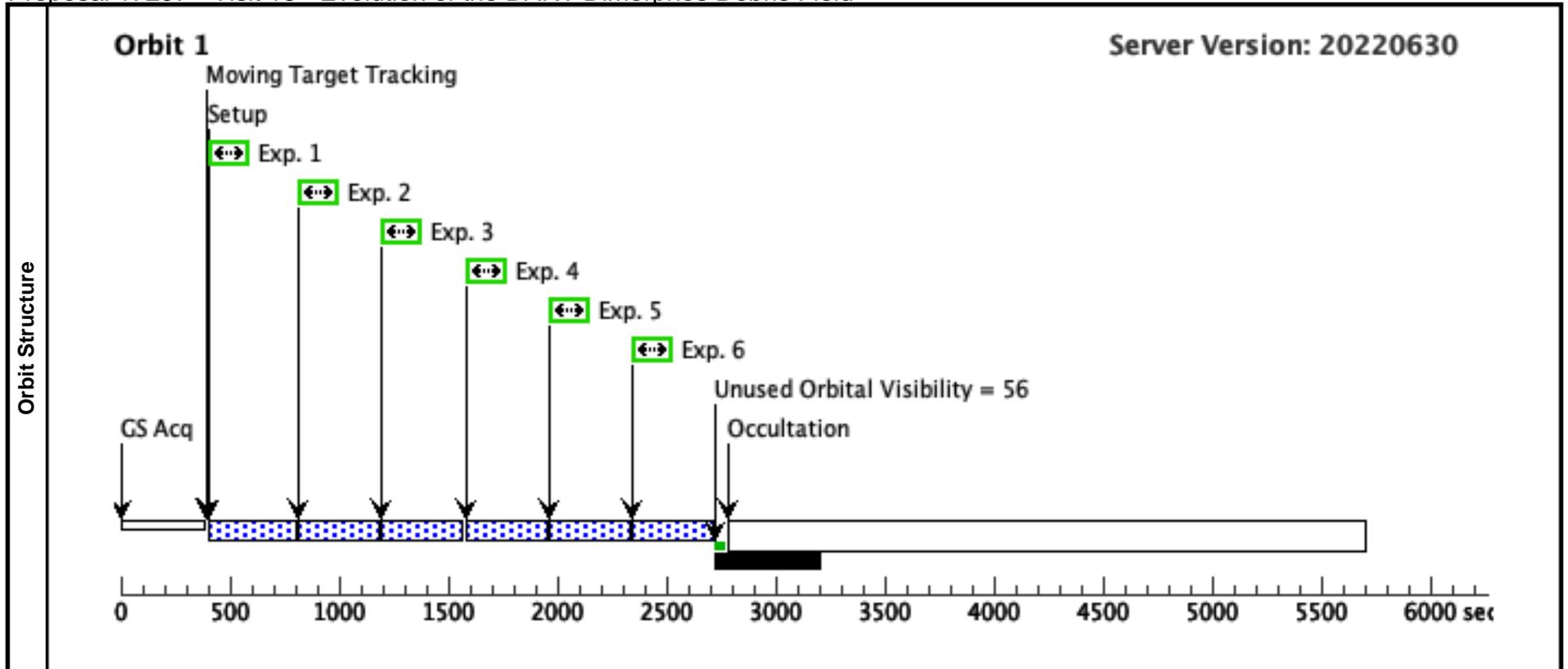
Proposal 17297 - Visit 13 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

Visit	Proposal 17297, Visit 13, implementation						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: WFC3/UVIS						
	Special Requirements: (none)						

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.				
<i>Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft</i>							
<i>Extended=NO</i>							

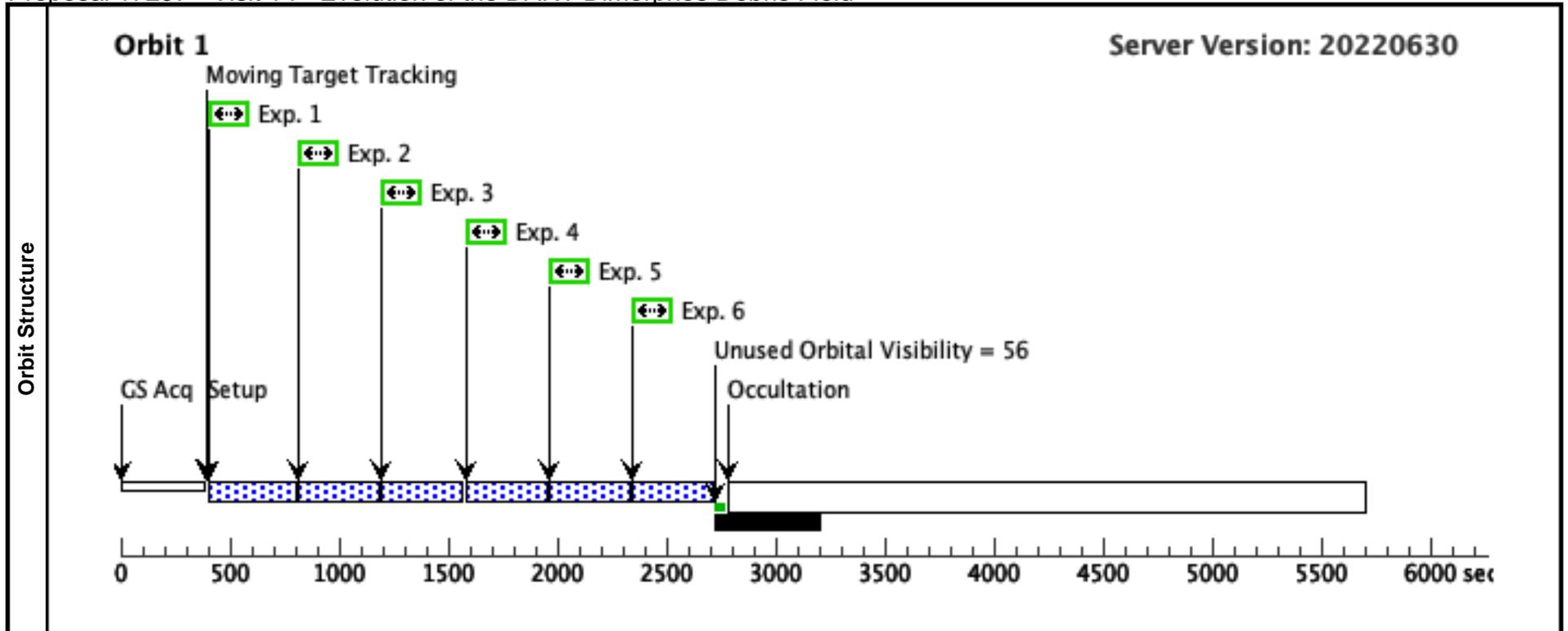
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 13	200 Secs (200 Secs)	[1]
	2	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 13	200 Secs (200 Secs)	[1]
	3	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 13	200 Secs (200 Secs)	[1]
	4	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 13	200 Secs (200 Secs)	[1]
	5	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 13	200 Secs (200 Secs)	[1]
	6	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 13	200 Secs (200 Secs)	[1]



Proposal 17297 - Visit 14 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

Visit	Proposal 17297, Visit 14, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
Solar System Targets	(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.				EARTH			
	<i>Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft</i> Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 14	200 Secs (200 Secs) [==>]	[1]
	2	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 14	200 Secs (200 Secs) [==>]	[1]
	3	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 14	200 Secs (200 Secs) [==>]	[1]
	4	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 14	200 Secs (200 Secs) [==>]	[1]
	5	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 14	200 Secs (200 Secs) [==>]	[1]
	6	(1) DIDYMOS	(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 14	200 Secs (200 Secs) [==>]	[1]



Proposal 17297 - Visit 15 - Evolution of the DART Dimorphos Debris Field

Wed Mar 22 18:00:42 GMT 2023

Visit	Proposal 17297, Visit 15, implementation						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: WFC3/UVIS						
	Special Requirements: (none)						

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	DIDYMOS	TYPE=ASTEROID,A=1.64251436375 7057.E=0.3832947329867846,I=3.414 168800300961 .O=72.99221760945375,W=319.55599 20731379,M=38.72558818260499,EQ UINOX=J2000,EPOCH=12-JAN- 2023:12:00:00,EpochTimeScale=TDB, R0=1. .A1=0.,A2=-1.042309691002E- 14,A3=0. .ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.				
<i>Comments: Description=Binary asteroid (65803) Didymos impacted by DART spacecraft</i>							
<i>Extended=NO</i>							

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 15	200 Secs (200 Secs)	
									[==>]	[1]
	2		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 15	200 Secs (200 Secs)	
									[==>]	[1]
	3		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 15	200 Secs (200 Secs)	
									[==>]	[1]
4		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 15	200 Secs (200 Secs)		
								[==>]	[1]	
5		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 15	200 Secs (200 Secs)		
								[==>]	[1]	
6		(1) DIDYMOS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=6	POS TARG 0.8,0.8	Sequence 1-6 Non-In t in Visit 15	200 Secs (200 Secs)		
								[==>]	[1]	

