



17505 - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

Cycle: 31, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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Prof. Heidi Newberg (CoI)	Rensselaer Polytechnic Institute
Prof. Thomas J. Maccarone (CoI)	Texas Tech University

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) KOI-6667	WFC3/IR	8	26-Jan-2026 12:00:31.0	yes
02	(2) KOI-3476	WFC3/IR	7	26-Jan-2026 12:00:40.0	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>
03	(3) KOI-7153	WFC3/IR	8	26-Jan-2026 12:00:48.0	yes
04	(5) KOI-6459	WFC3/IR	9	26-Jan-2026 12:01:11.0	yes
05	(5) KOI-6459	WFC3/IR	9	26-Jan-2026 12:01:31.0	yes

41 Total Orbits Used

ABSTRACT

Measuring the accelerations of stars that live within the gravitational potential of the Galaxy using precise, time-series observations gives the most precise probe of the mass distribution, including the dark matter. For more than a century, astronomers have estimated the accelerations of stars in the Galaxy, assuming equilibrium. Evidence that our Galaxy is out of equilibrium has snowballed in recent years. Acceleration measurements have recently become possible from analysis of pulsar timing observations. These very small accelerations (~ few cm/s/decade) hold the key to mapping the spatial density of dark matter on sub-galactic scales, thereby constraining the nature of dark matter, including the possibility of a dark matter disk. Our observations will effectively double the sample of acceleration measurements and extend them to a new kind of clock - eclipsing binaries (EBs).

Acceleration mechanisms induce a period drift for EBs, manifesting as a deviation in the eclipse mid-point time from a linear ephemeris. Mid-eclipse times of EBs observed by the Kepler mission have been measured so precisely that we can now measure the shift in the eclipse mid-point time induced by the Galactic potential in the last decade. We request HST observations to measure the eclipses of four EBs from the Kepler field, which will provide the first eclipse timing measurement of the mid-plane density (also known as the Oort limit) to 3-sigma. Together with the pulsar observations, we should obtain a 4-5 sigma measurement of the Oort limit, and a meaningful constraint on the local dark matter density.

OBSERVING DESCRIPTION

The goal of these observations is to measure super precise (<0.2sec) eclipse times for four binary stars. They are designed similar to spectroscopic exoplanet transit observations using WFC3 in scanning mode, with the main differences being that the targets here are generally fainter than a typical exoplanet system, and since we don't care about the eclipse depth per se, we're using less out-of-eclipse baseline than the usual for an exoplanet transit.

For each orbit within a visit I've set it to take a direct image -- for a wavelength solution -- followed by a set of round-trip WFC3/G141 scans. When necessary I've added on one more forward scan at the very end to try and fill out the entire orbit duration.

Proposal 17505 - KOI-6667 (01) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

Visit	Proposal 17505, KOI-6667 (01), completed Mon Jan 26 17:01:33 GMT 2026 Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 60D TO 210 D; ORIENT 240D TO 30 D; Period 17.527827495 D AND ZERO-PHASE HJD2459745.139099 <i>Comments: 8 orbits</i>					
	Diagnostics	(KOI-6667 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
(KOI-6667 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN						
(KOI-6667 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN						
(KOI-6667 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN						
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(KOI-6667 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN						
(KOI-6667 (01)) Warning (Orbit Planner): VISIT REQUIRES GYRO BIAS UPDATE						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	KOI-6667 Alt Name1: KIC6131659	RA: 19 37 6.9756 (294.2790650d) Dec: +41 26 12.43 (41.43679d) Equinox: J2000	Proper Motion RA: 2.613 mas/yr Proper Motion Dec: -21.986 mas/yr Epoch of Position: 2000	V=12.295	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[G V-IV]						

Proposal 17505 - KOI-6667 (01) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	Image	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID	PHASE 0.98264664 4709547 TO 0.98502 38166671433	Sequence 1-2 Non-Int in KOI-6667 (01)	4.167225 Secs (4.167 Secs)	[1]
	2	Scan	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 35,90.0 Degrees,Round trip	Sequence 1-2 Non-Int in KOI-6667 (01)	134.354049 Secs X 7 (1880.957 Secs)	[1]
									[==>(Copy 1, Forward)]	
									[==>(Copy 1, Reverse)]	
									[==>(Copy 2, Forward)]	
									[==>(Copy 2, Reverse)]	
								[==>(Copy 3, Forward)]		
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								[==>(Copy 7, Forward)]		
								[==>(Copy 7, Reverse)]		
3	Image	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 3-5 Non-Int in KOI-6667 (01)	4.167225 Secs (4.167 Secs)	[2]	
4	Scan	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 35,90.0 Degrees,Round trip	Sequence 3-5 Non-Int in KOI-6667 (01)	134.354049 Secs X 7 (1880.957 Secs)	[2]	
								[==>(Copy 1, Forward)]		
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								[==>(Copy 6, Reverse)]		
								[==>(Copy 7, Forward)]		
								[==>(Copy 7, Reverse)]		
5	Scan Once	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 35,90.0 Degrees,Forward	Sequence 3-5 Non-Int in KOI-6667 (01)	134.354049 Secs (134.354 Secs)	[2]	
6	Image	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 6-8 Non-Int in KOI-6667 (01)	4.167225 Secs (4.167 Secs)	[3]	

Proposal 17505 - KOI-6667 (01) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

7	Scan	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 35,90.0 Degrees, Round trip	Sequence 6-8 Non-Int in KOI-6667 (01)	134.354049 Secs X 7 (1880.957 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)]	[3]
8	Scan Once	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 35,90.0 Degrees, Forward	Sequence 6-8 Non-Int in KOI-6667 (01)	134.354049 Secs (134.354 Secs)	
								[==>]	[3]
9	Image	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 9-11 Non-Int in KOI-6667 (01)	4.167225 Secs (4.167 Secs)	
								[==>]	[4]
10	Scan	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 35,90.0 Degrees, Round trip	Sequence 9-11 Non-Int in KOI-6667 (01)	134.354049 Secs X 7 (1880.957 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)]	[4]
11	Scan Once	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 35,90.0 Degrees, Forward	Sequence 9-11 Non-Int in KOI-6667 (01)	134.354049 Secs (134.354 Secs)	
								[==>]	[4]
12	Image	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 12-14 Non-Int in KOI-6667 (01)	4.167225 Secs (4.167 Secs)	
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Proposal 17505 - KOI-6667 (01) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

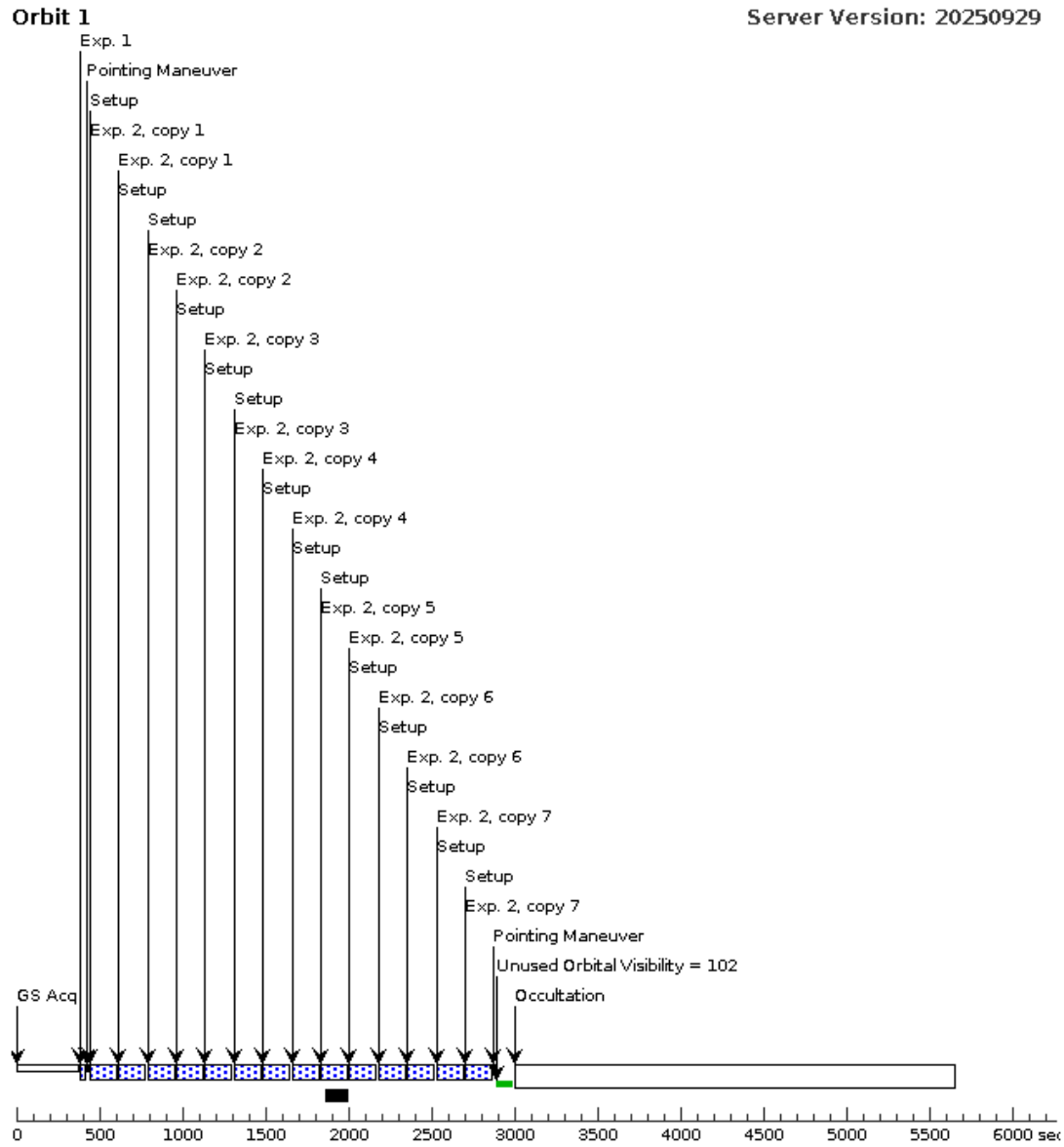
13	Scan	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 35,90.0 Degrees, Round trip	Sequence 12-14 Non-Int in KOI-6667 (01)	134.354049 Secs X 7 (1880.957 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)]	[5]
14	Scan Once	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 35,90.0 Degrees, Forward	Sequence 12-14 Non-Int in KOI-6667 (01)	134.354049 Secs (134.354 Secs)	
								[==>]	[5]
15	Image	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 15-17 Non-Int in KOI-6667 (01)	4.167225 Secs (4.167 Secs)	
								[==>]	[6]
16	Scan	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 35,90.0 Degrees, Round trip	Sequence 15-17 Non-Int in KOI-6667 (01)	134.354049 Secs X 7 (1880.957 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)]	[6]
17	Scan Once	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 35,90.0 Degrees, Forward	Sequence 15-17 Non-Int in KOI-6667 (01)	134.354049 Secs (134.354 Secs)	
								[==>]	[6]
18	Image	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 18-20 Non-Int in KOI-6667 (01)	4.167225 Secs (4.167 Secs)	
								[==>]	[7]

Proposal 17505 - KOI-6667 (01) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

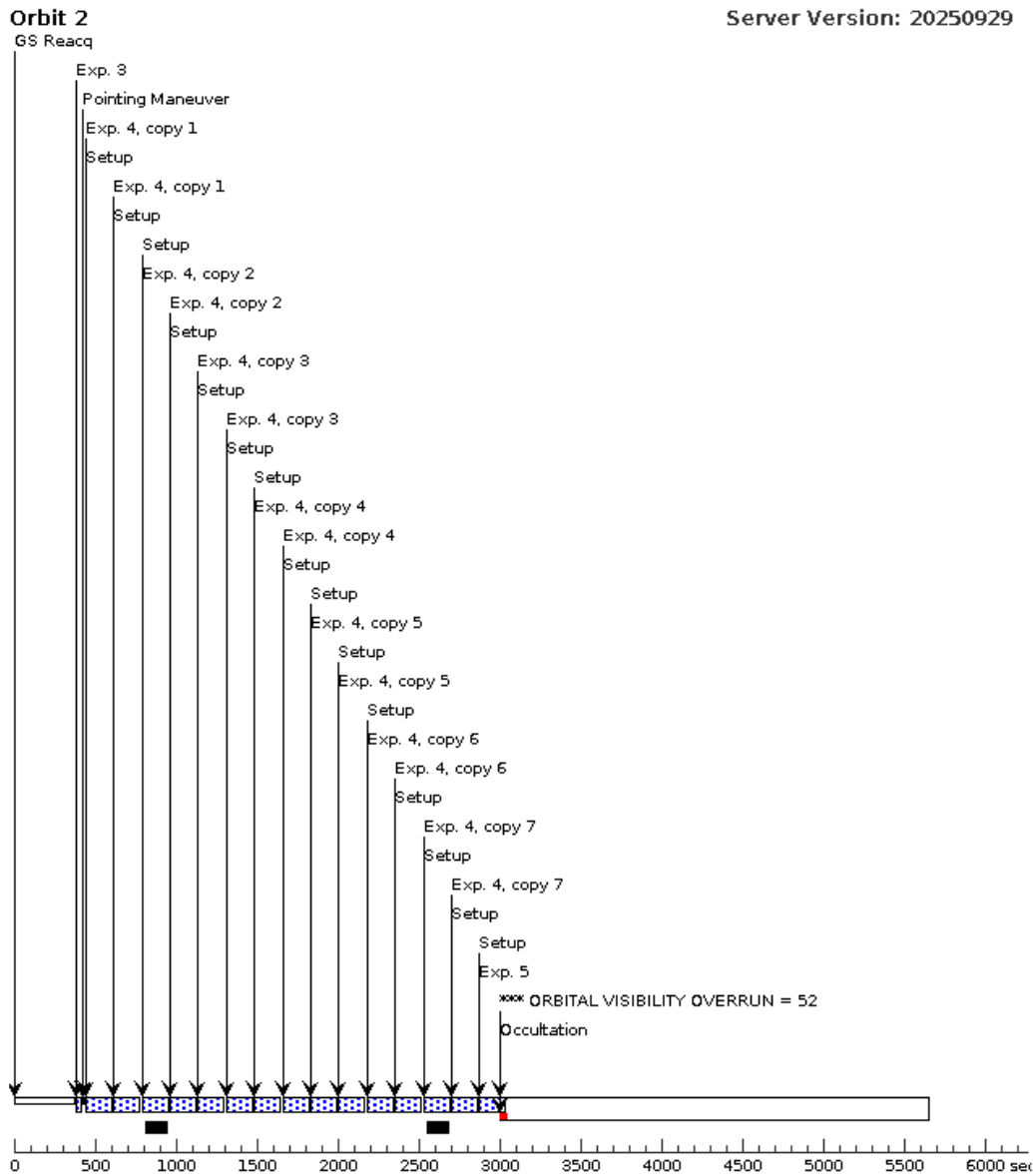
19	Scan	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 35,90.0 Degrees,Rou nd trip	Sequence 18-20 Non -Int in KOI-6667 (01)	134.354049 Secs X 7 (1880.957 Sec s)		
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)]	[7]	
20	Scan Once	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 35,90.0 Degrees,For ward	Sequence 18-20 Non -Int in KOI-6667 (01)	134.354049 Secs (134.354 Secs)		
								[==>]	[7]	
21	Image	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPI D		Sequence 21-23 Non -Int in KOI-6667 (01)	4.167225 Secs (4.167 Secs)		
								[==>]	[8]	
22	Scan	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 35,90.0 Degrees,Rou nd trip	Sequence 21-23 Non -Int in KOI-6667 (01)	134.354049 Secs X 6 (1612.249 Sec s)		
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23	Scan Once	(1) KOI-6667	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 35,90.0 Degrees,For ward	Sequence 21-23 Non -Int in KOI-6667 (01)	134.354049 Secs (134.354 Secs)		
								[==>]	[8]	

Orbit Structure

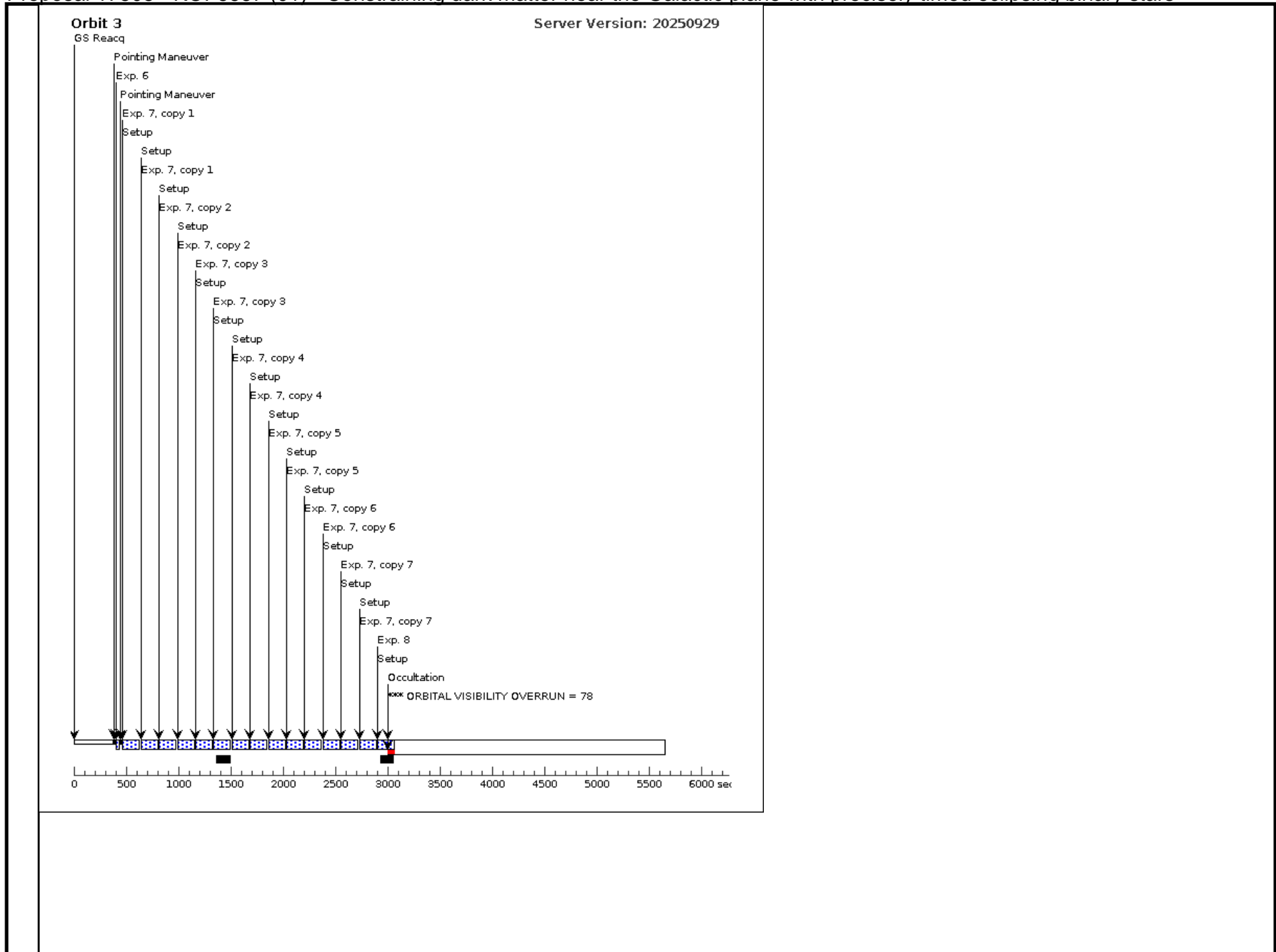
Server Version: 20250929



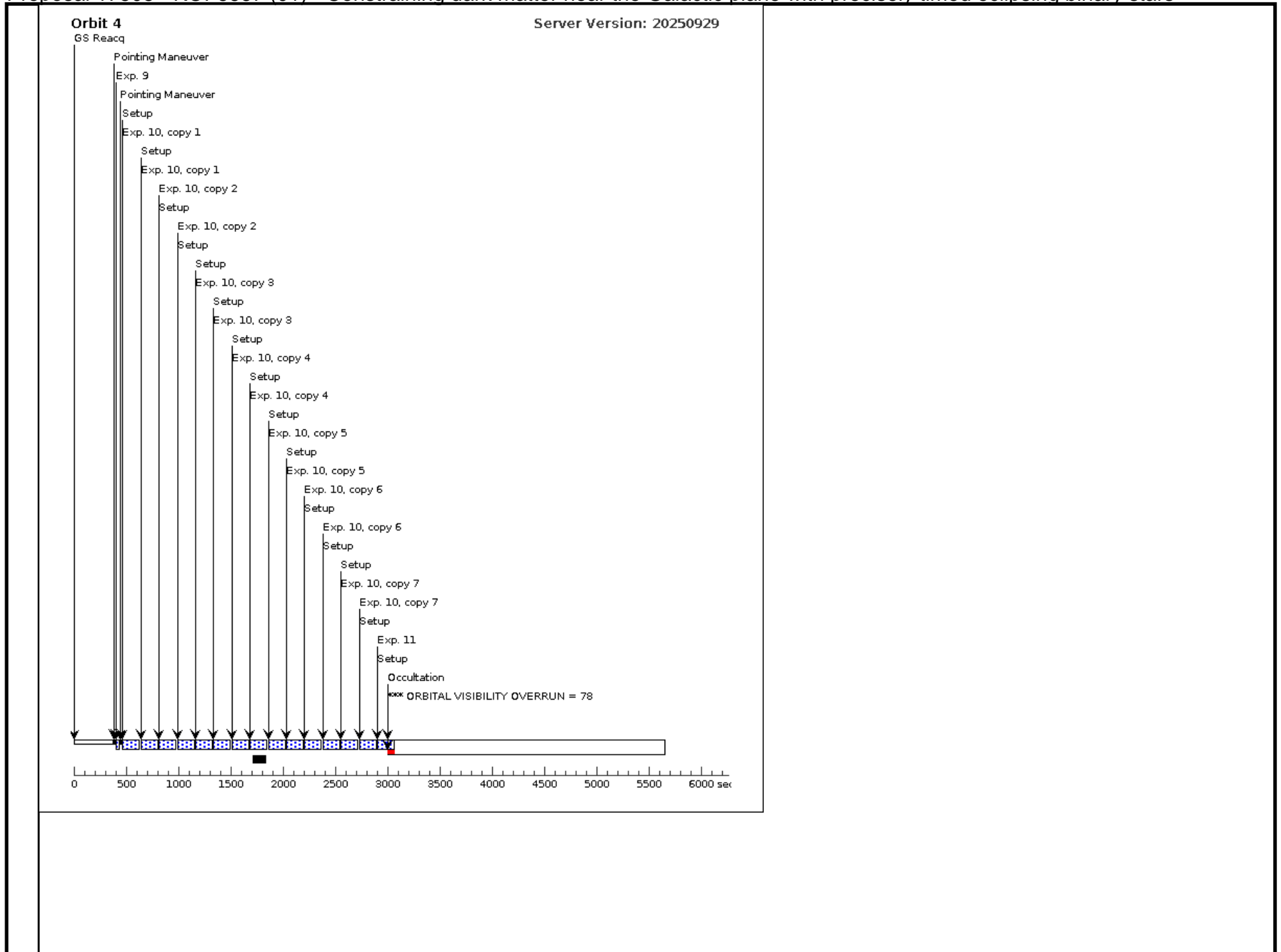
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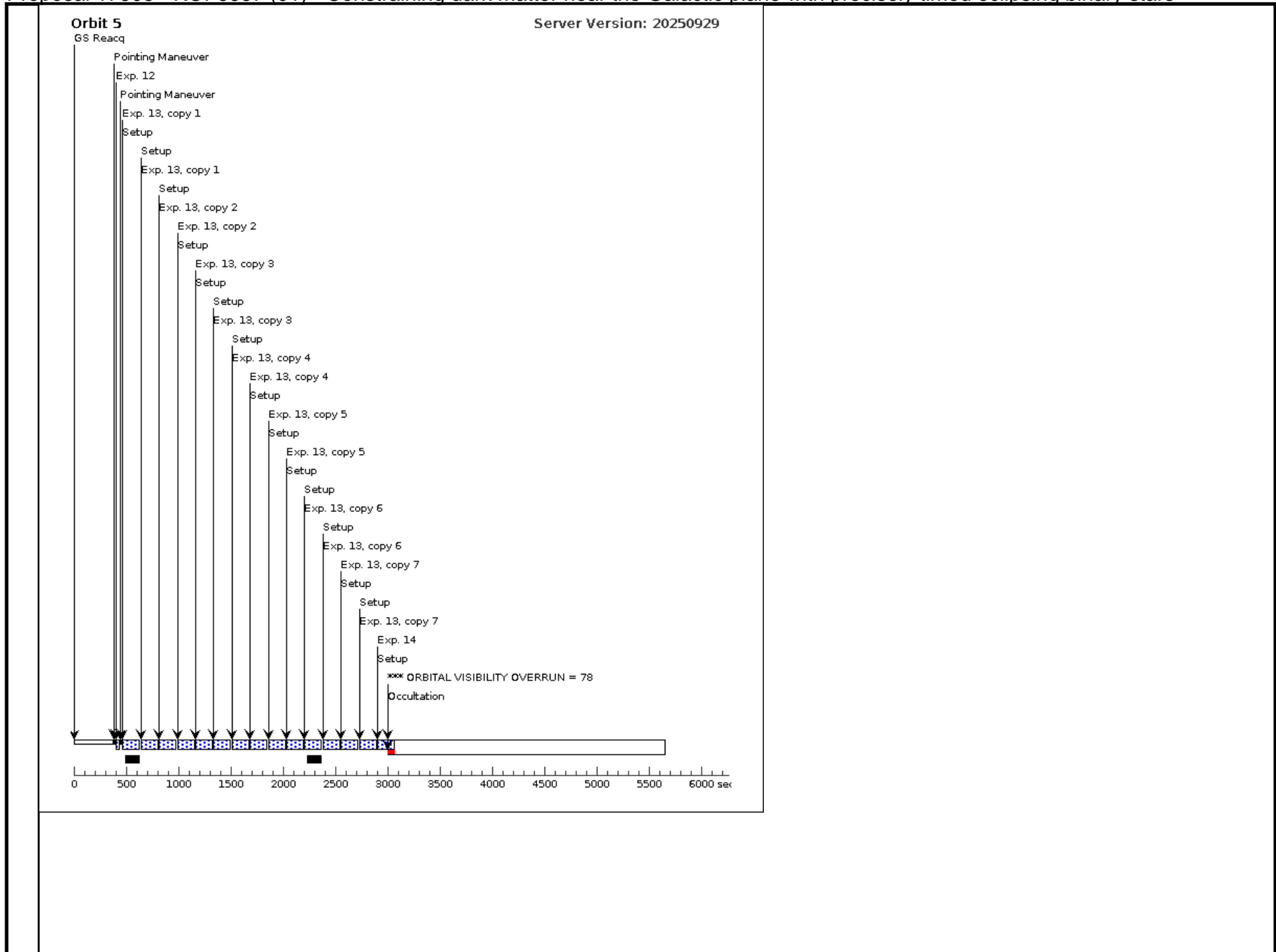
Proposal 17505 - KOI-6667 (01) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars



Proposal 17505 - KOI-6667 (01) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

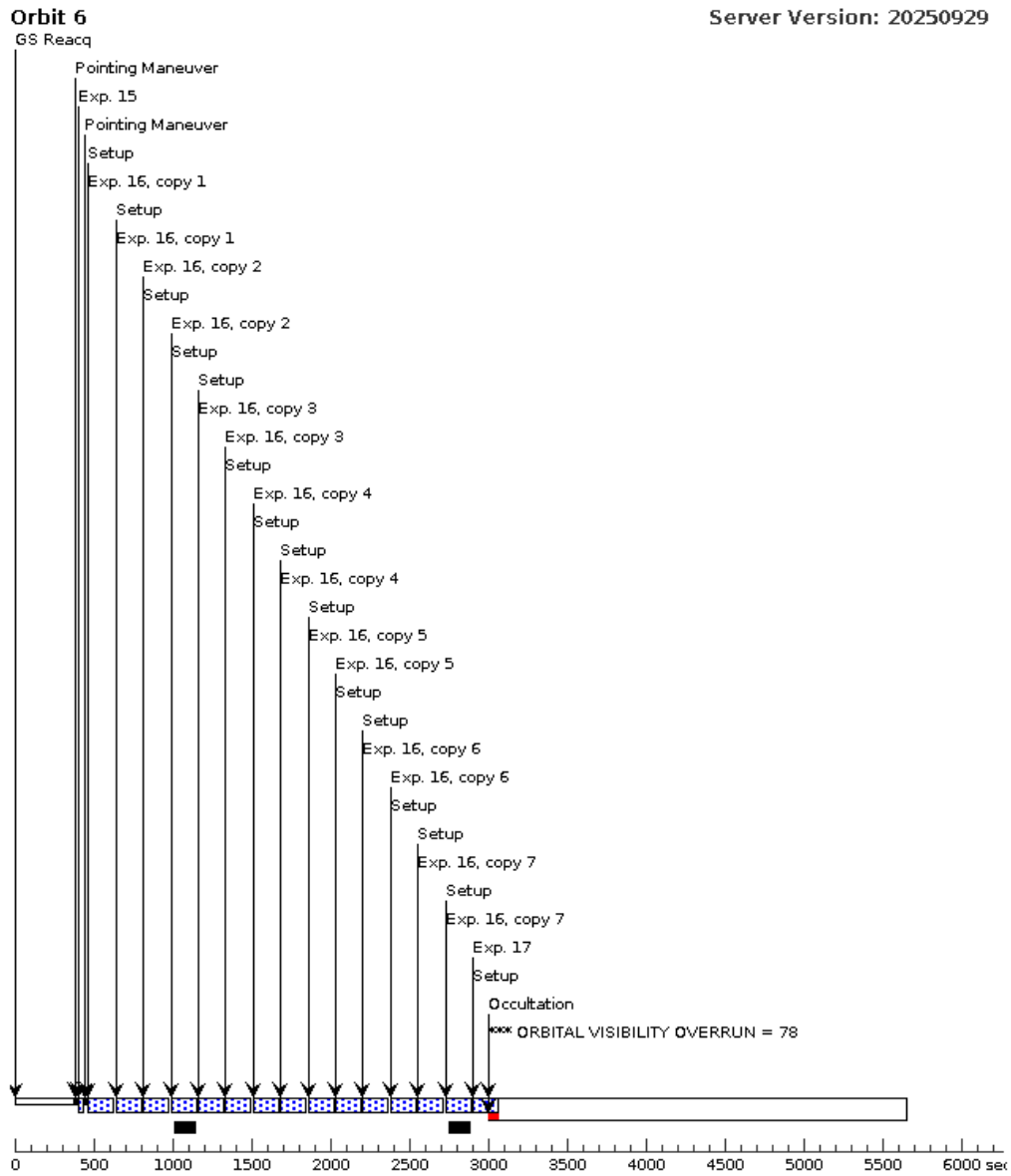


Proposal 17505 - KOI-6667 (01) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars



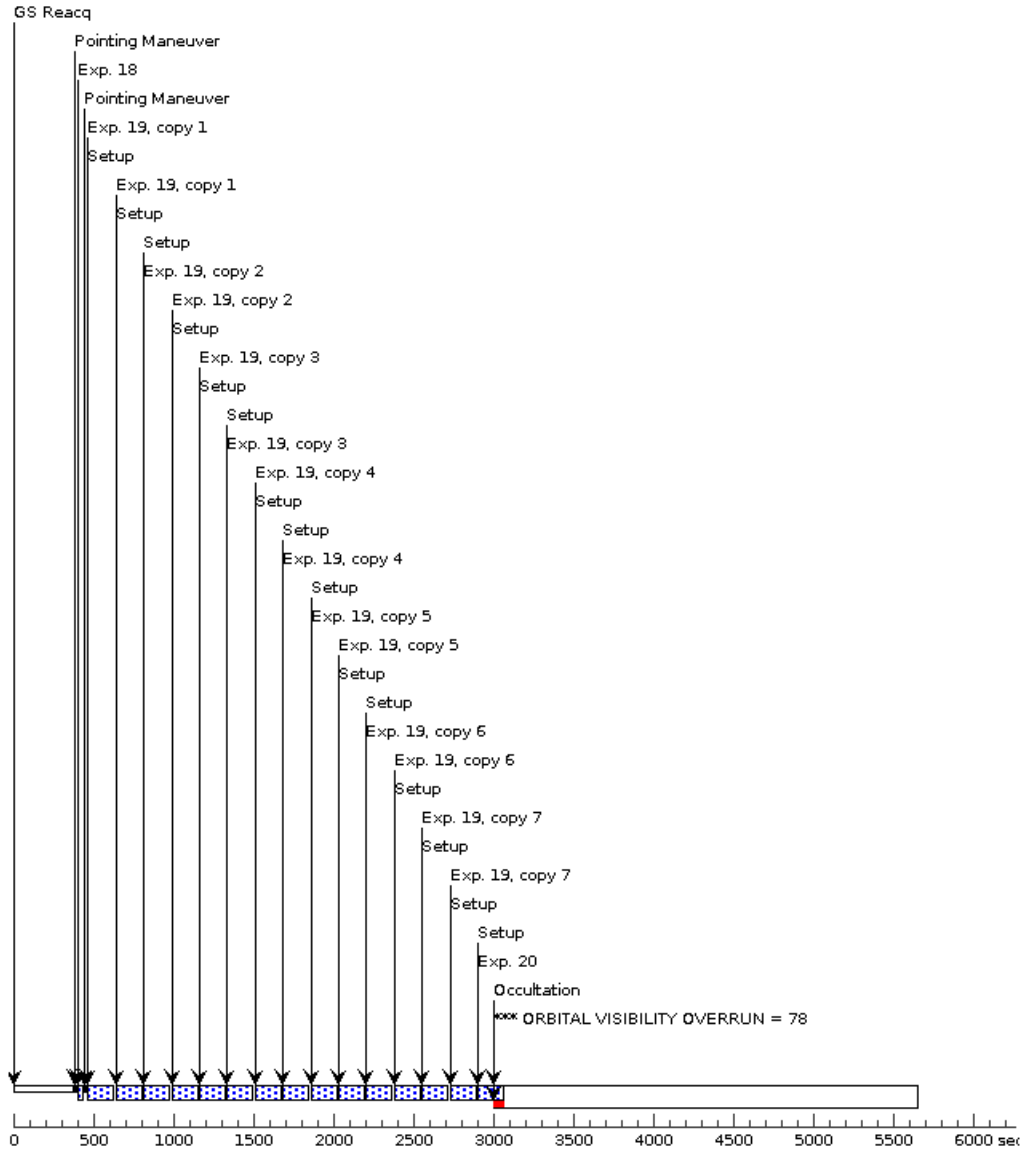
Proposal 17505 - KOI-6667 (01) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

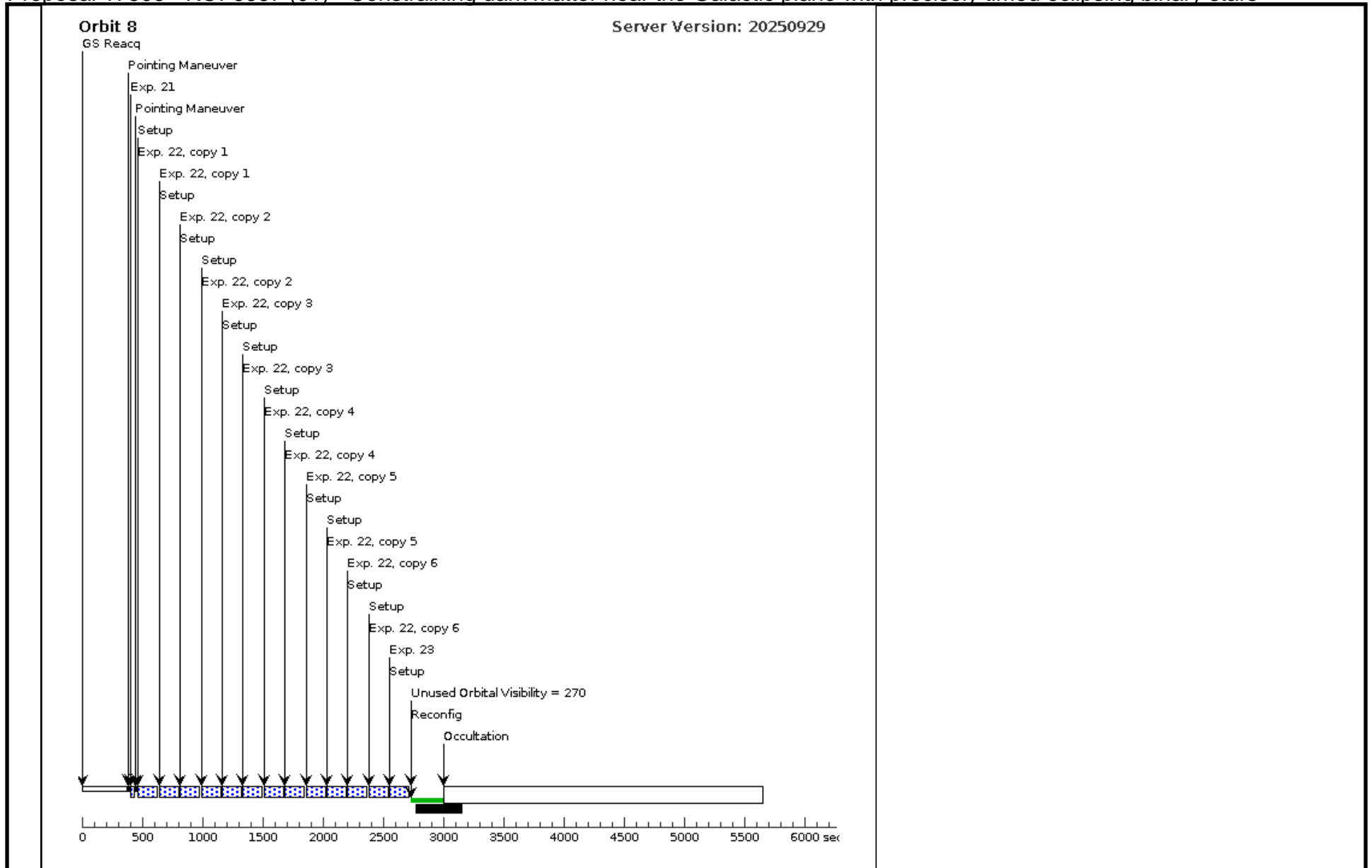
Server Version: 20250929



Server Version: 20250929

Orbit 7





Proposal 17505 - KIOI-3476 (02) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

Visit	Proposal 17505, KIOI-3476 (02), implementation Mon Jan 26 17:01:34 GMT 2026 Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%; ORIENT 100D TO 250 D; ORIENT 280D TO 70 D; Period 23.73796202 D AND ZERO-PHASE HJD2455297.37347884 <i>Comments: 7 orbits</i>																												
	Diagnosics (KIOI-3476 (02)) Warning (Orbit Planner): VISIT REQUIRES GYRO BIAS UPDATE																												
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td>KOI-3476</td> <td>RA: 19 53 29.2207 (298.3717529d)</td> <td>Proper Motion RA: -0.594 mas/yr</td> <td>V=15.090</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: KIC5986209</td> <td>Dec: +41 17 30.33 (41.29176d)</td> <td>Proper Motion Dec: -2.016 mas/yr</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	KOI-3476	RA: 19 53 29.2207 (298.3717529d)	Proper Motion RA: -0.594 mas/yr	V=15.090	Reference Frame: ICRS		Alt Name1: KIC5986209	Dec: +41 17 30.33 (41.29176d)	Proper Motion Dec: -2.016 mas/yr					Equinox: J2000	Epoch of Position: 2000		
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(2)	KOI-3476	RA: 19 53 29.2207 (298.3717529d)	Proper Motion RA: -0.594 mas/yr	V=15.090	Reference Frame: ICRS																								
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		Equinox: J2000	Epoch of Position: 2000																										
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[G V-IV]																													

Proposal 17505 - KIOI-3476 (02) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

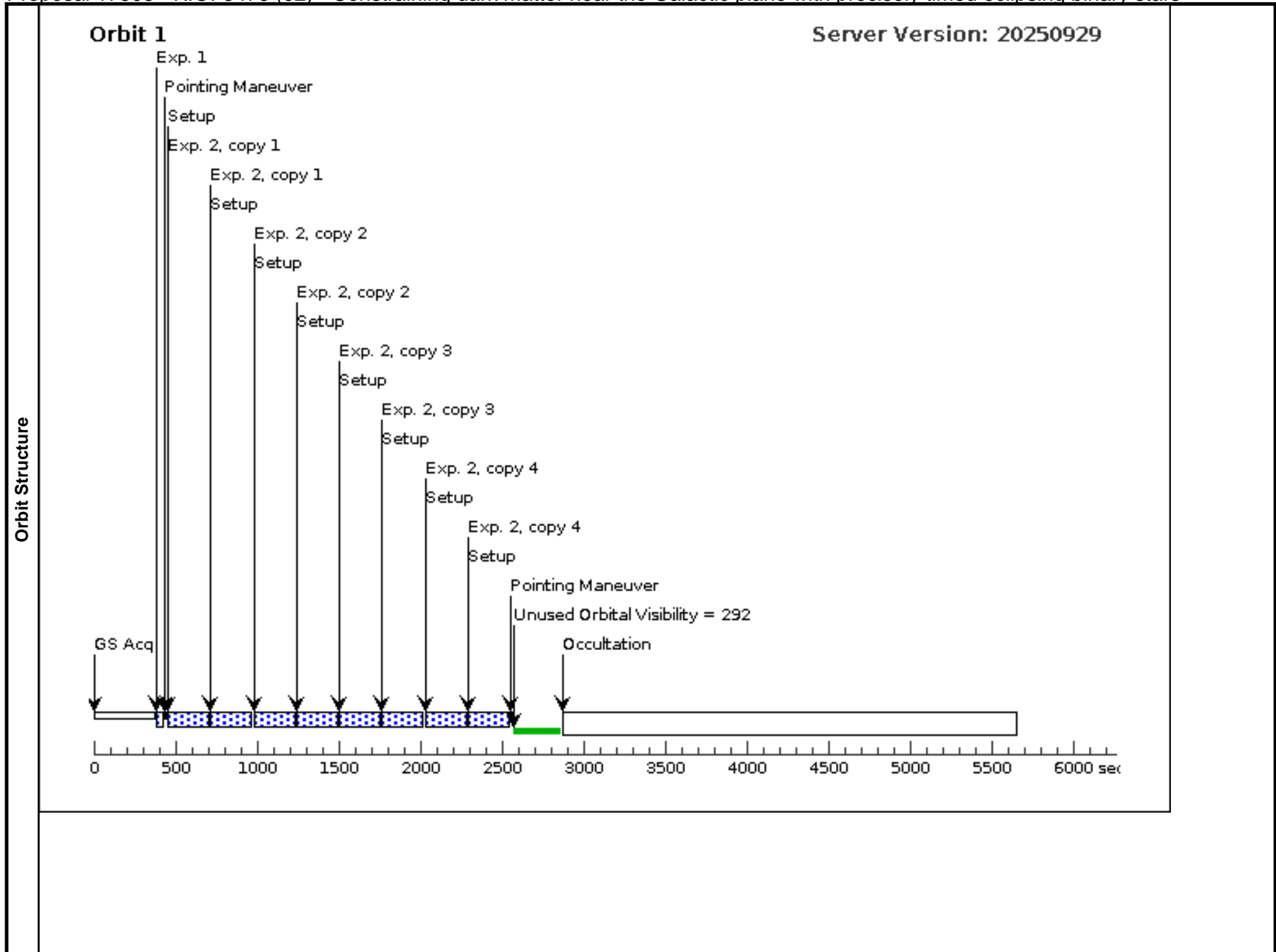
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	Image	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=7; SAMP-SEQ=SPARS5	PHASE 0.98859071 23638336 TO 0.9907848	Sequence 1-2 Non-Int in KIOI-3476 (02)	14.37424 Secs (14.374 Secs)	[1]
	2	Scan	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS25; NSAMP=11	SPATIAL SCAN 0.0 25,90.0 Degrees, Round trip	Sequence 1-2 Non-Int in KIOI-3476 (02)	223.738205 Secs X 4 (1789.906 Secs)	[1]
									[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)]	
	3	Image	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=7; SAMP-SEQ=SPARS5		Sequence 3-4 Non-Int in KIOI-3476 (02)	14.37424 Secs (14.374 Secs)	[2]
									[==>]	
	4	Scan	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS25; NSAMP=11	SPATIAL SCAN 0.0 25,90.0 Degrees, Round trip	Sequence 3-4 Non-Int in KIOI-3476 (02)	223.738205 Secs X 4 (1789.906 Secs)	[2]
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	5	Image	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=7; SAMP-SEQ=SPARS5		Sequence 5-7 Non-Int in KIOI-3476 (02)	14.37424 Secs (14.374 Secs)	[3]
								[==>]		
6	Scan	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS25; NSAMP=11	SPATIAL SCAN 0.0 25,90.0 Degrees, Round trip	Sequence 5-7 Non-Int in KIOI-3476 (02)	223.738205 Secs X 4 (1789.906 Secs)	[3]	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)]		
7	Scan Once	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS25; NSAMP=11	SPATIAL SCAN 0.0 25,90.0 Degrees, Forward	Sequence 5-7 Non-Int in KIOI-3476 (02)	223.738205 Secs (223.738 Secs)	[3]	
								[==>]		
8	Image	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=7; SAMP-SEQ=SPARS5		Sequence 8-10 Non-Int in KIOI-3476 (02)	14.37424 Secs (14.374 Secs)	[4]	
								[==>]		

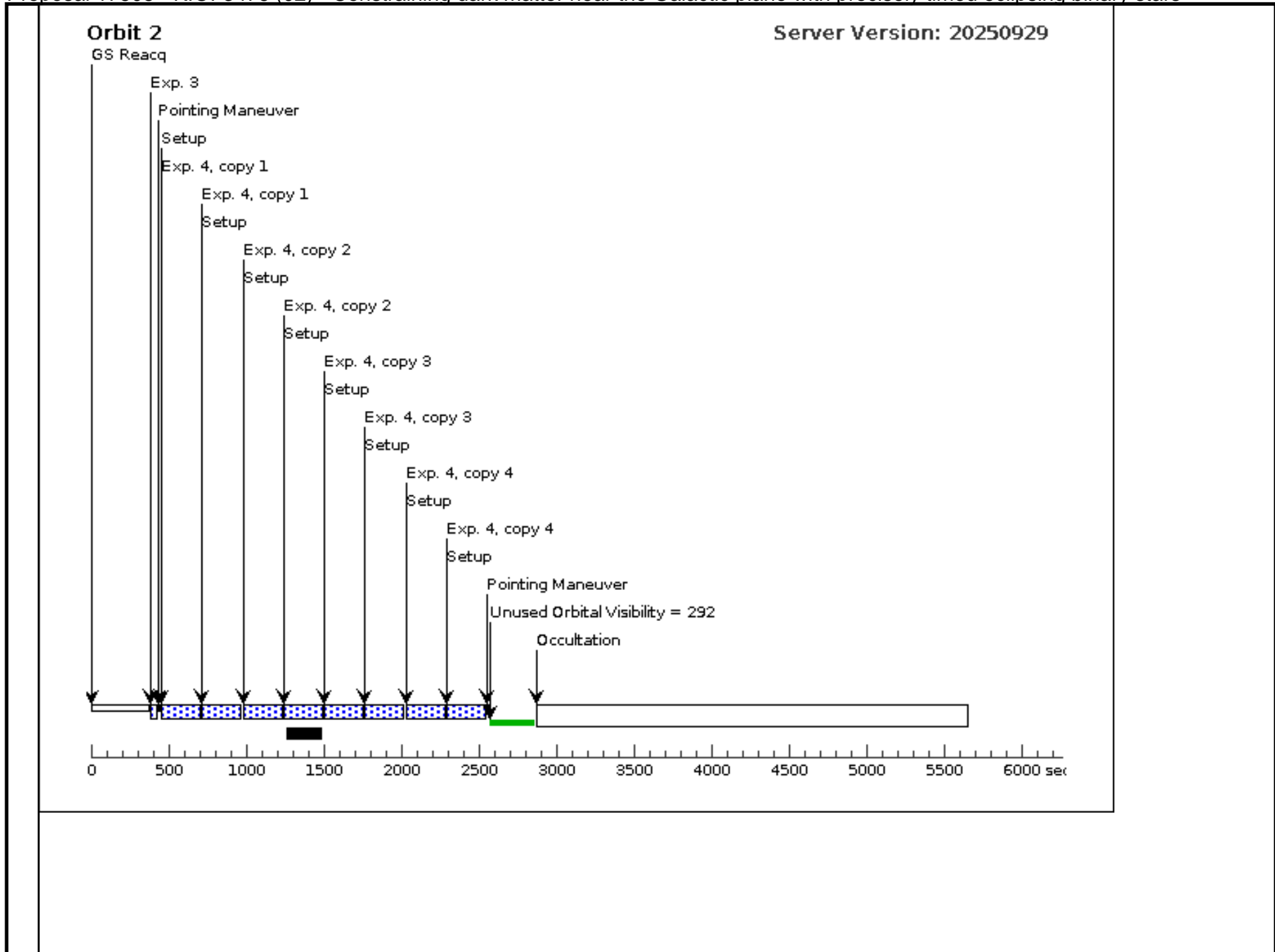
Proposal 17505 - KIOI-3476 (02) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

9	Scan	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=11	SPATIAL SCAN 0.0 25,90.0 Degrees,Rou nd trip	Sequence 8-10 Non-I nt in KIOI-3476 (02)	223.738205 Secs X 4 (1789.906 Secs)		
										[4]
10	Scan Once	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=11	SPATIAL SCAN 0.0 25,90.0 Degrees,For ward	Sequence 8-10 Non-I nt in KIOI-3476 (02)	223.738205 Secs (223.738 Secs)		
										[4]
11	Image	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=7; SAMP-SEQ=SPARS5		Sequence 11-13 Non -Int in KIOI-3476 (0 2)	14.37424 Secs (14.374 Secs)		
										[5]
12	Scan	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=11	SPATIAL SCAN 0.0 25,90.0 Degrees,Rou nd trip	Sequence 11-13 Non -Int in KIOI-3476 (0 2)	223.738205 Secs X 4 (1789.906 Secs)		
										[5]
13	Scan Once	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=11	SPATIAL SCAN 0.0 25,90.0 Degrees,For ward	Sequence 11-13 Non -Int in KIOI-3476 (0 2)	223.738205 Secs (223.738 Secs)		
										[5]
14	Image	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=7; SAMP-SEQ=SPARS5		Sequence 14-16 Non -Int in KIOI-3476 (0 2)	14.37424 Secs (14.374 Secs)		
										[6]
15	Scan	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=11	SPATIAL SCAN 0.0 25,90.0 Degrees,Rou nd trip	Sequence 14-16 Non -Int in KIOI-3476 (0 2)	223.738205 Secs X 4 (1789.906 Secs)		
										[6]
16	Scan Once	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=11	SPATIAL SCAN 0.0 25,90.0 Degrees,For ward	Sequence 14-16 Non -Int in KIOI-3476 (0 2)	223.738205 Secs (223.738 Secs)		
										[6]
17	Image	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=7; SAMP-SEQ=SPARS5		Sequence 17-19 Non -Int in KIOI-3476 (0 2)	14.37424 Secs (14.374 Secs)		
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Proposal 17505 - KIOI-3476 (02) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

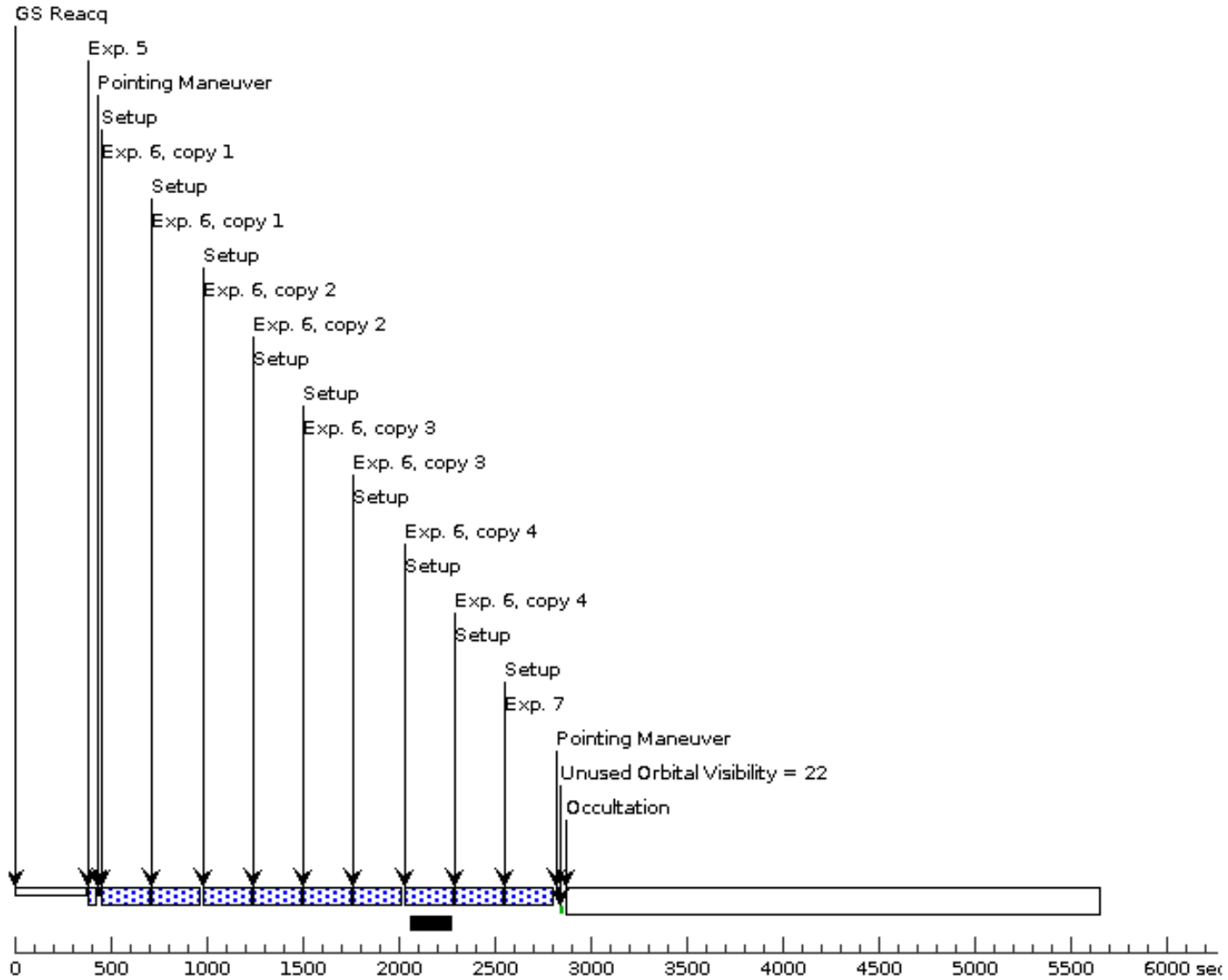
18	Scan	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=11	SPATIAL SCAN 0.0 25,90.0 Degrees,Rou nd trip	Sequence 17-19 Non -Int in KIOI-3476 (0 2)	223.738205 Secs X 4 (1789.906 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)]	[7]
19	Scan Once	(2) KOI-3476	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=11	SPATIAL SCAN 0.0 25,90.0 Degrees,For ward	Sequence 17-19 Non -Int in KIOI-3476 (0 2)	223.738205 Secs (223.738 Secs)	
								[==>]	[7]

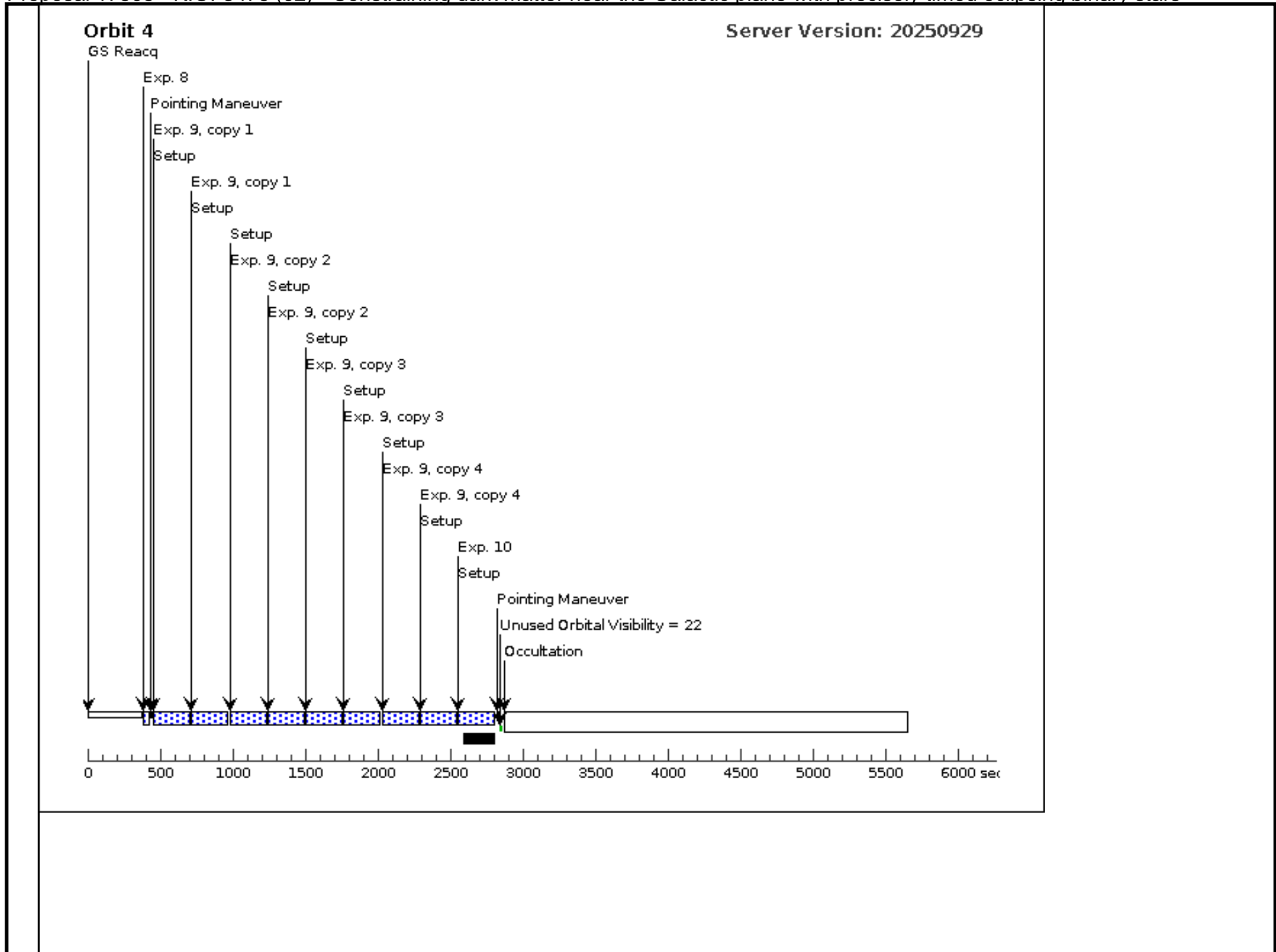


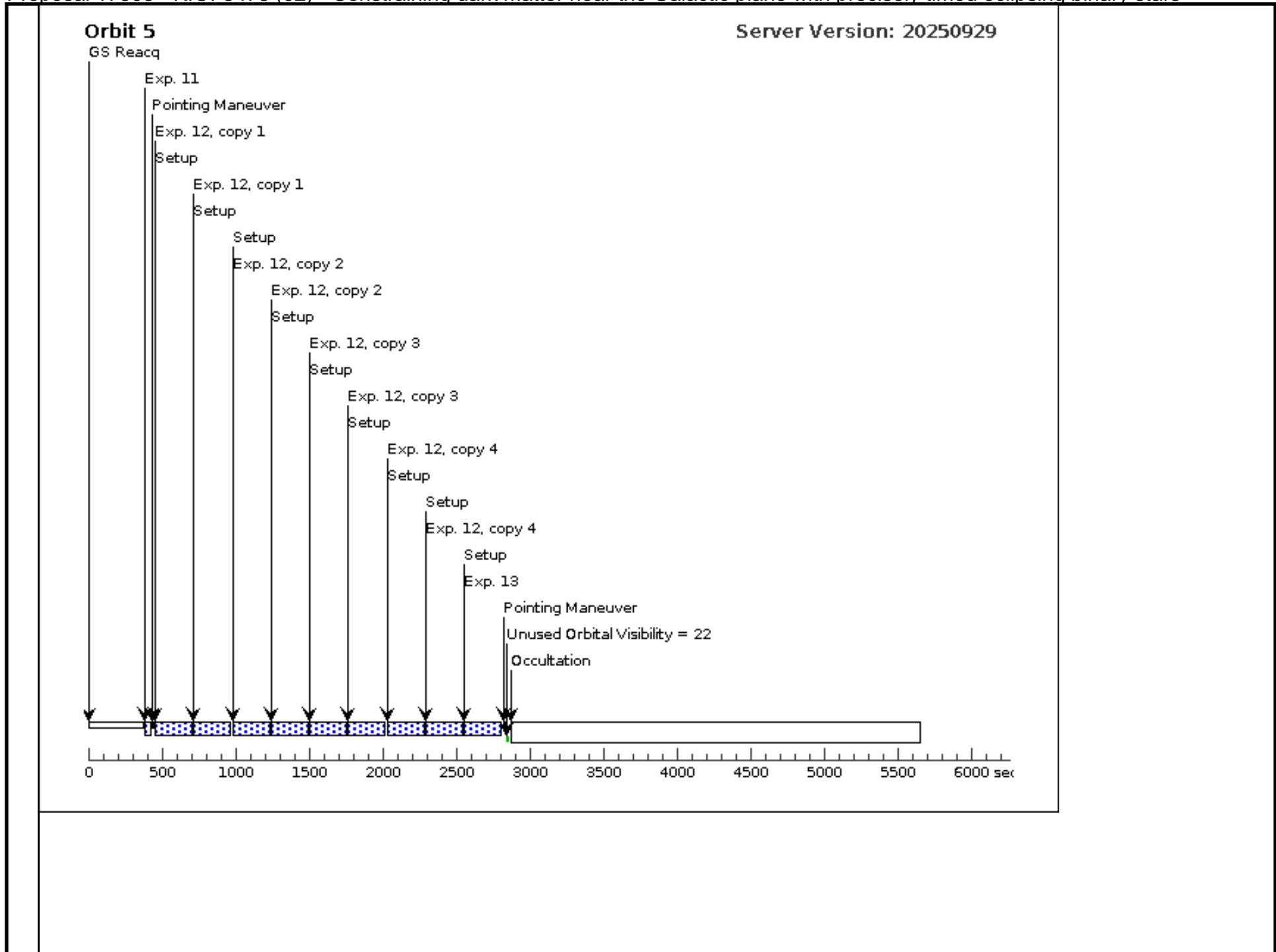


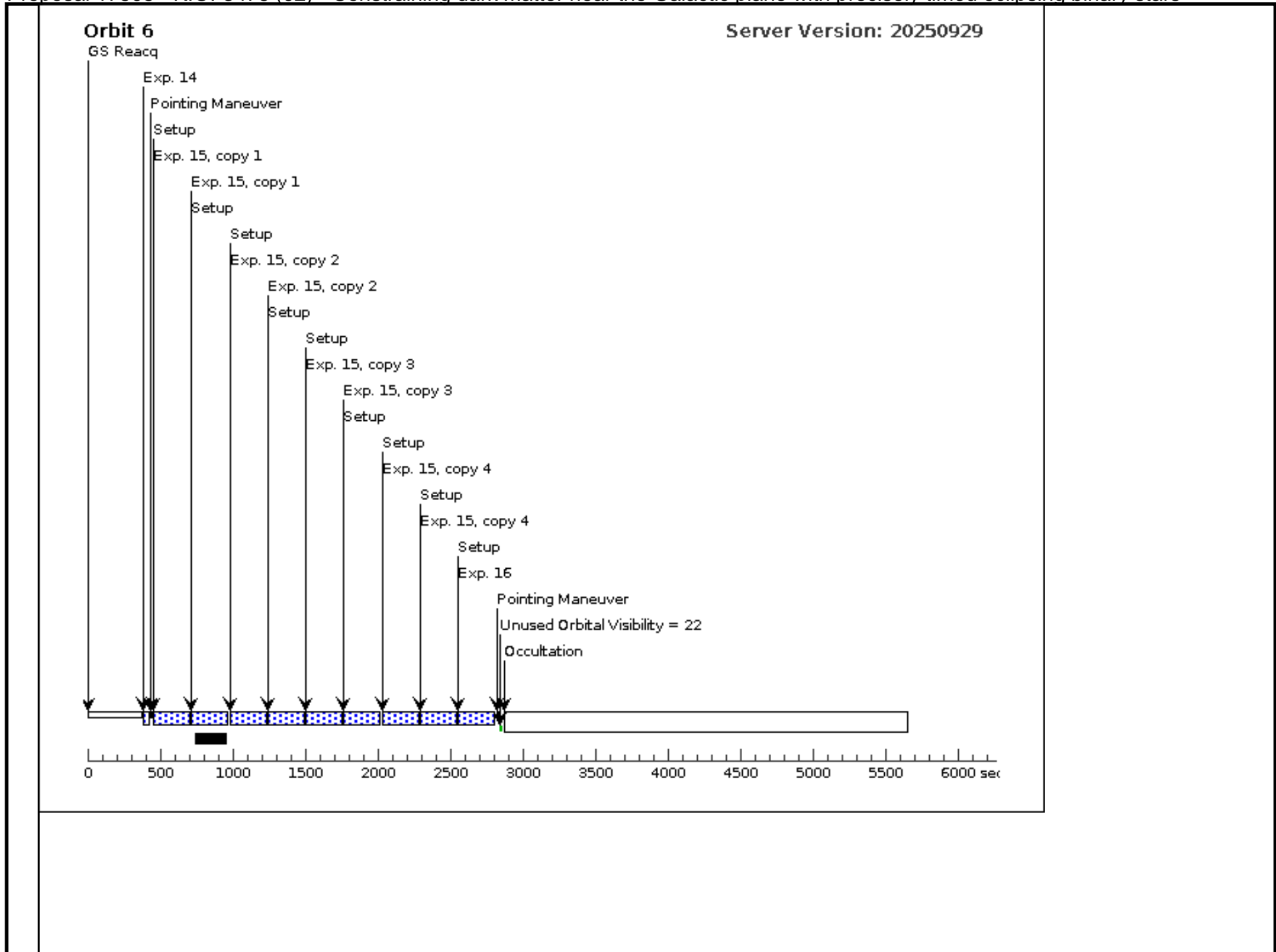
Orbit 3

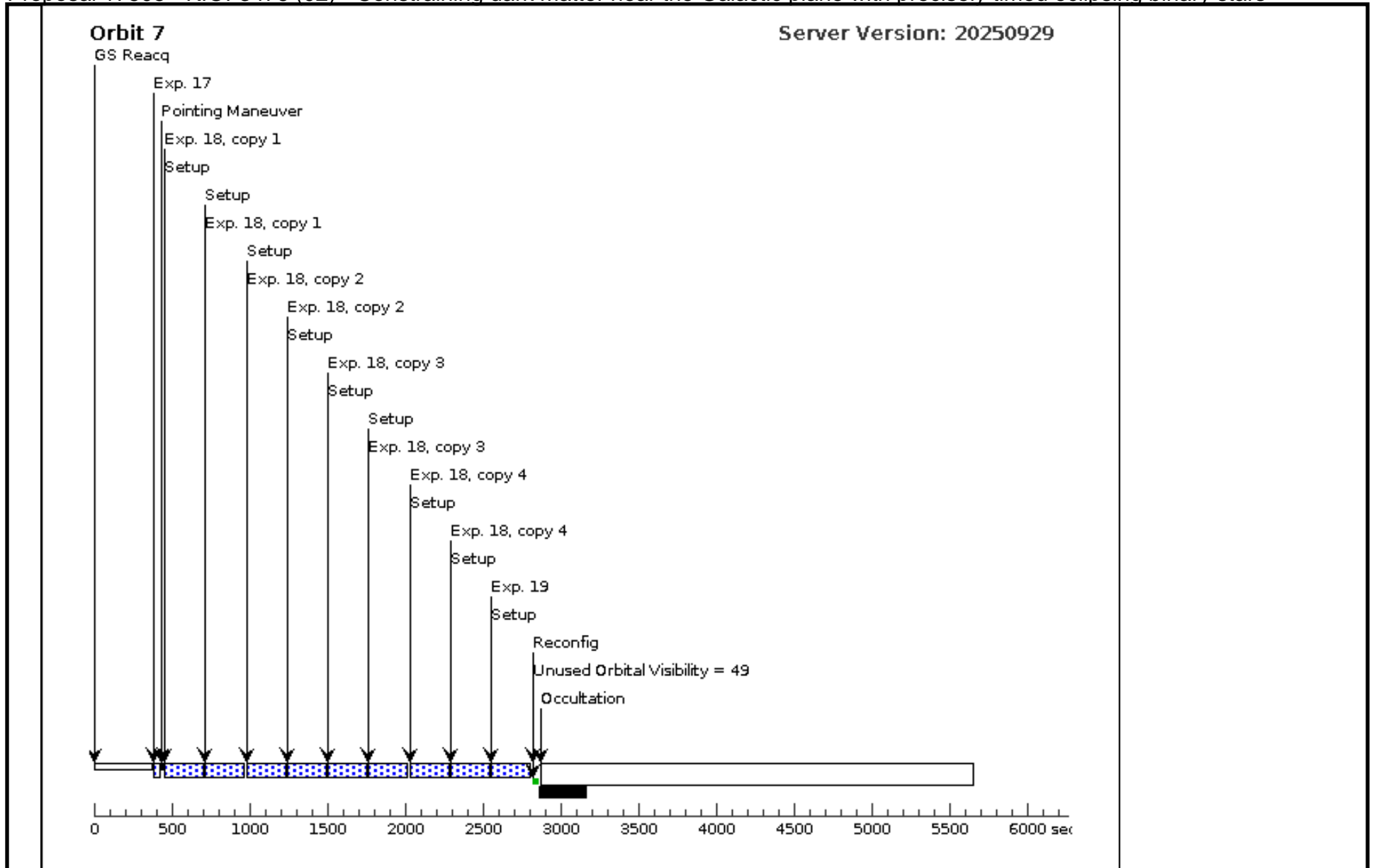
Server Version: 20250929











Proposal 17505 - KOI-7153 (03) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

Mon Jan 26 17:01:34 GMT 2026

Visit	Proposal 17505, KOI-7153 (03), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%; ORIENT 340D TO 130 D; ORIENT 160D TO 310 D; Period 20.72926073 D AND ZERO-PHASE HJD2458643.306963 <i>Comments: 8 orbits</i>																													
	Diagnosics (KOI-7153 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (KOI-7153 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (KOI-7153 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (KOI-7153 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (KOI-7153 (03)) Warning (Orbit Planner): VISIT REQUIRES GYRO BIAS UPDATE																													
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>KOI-7153</td> <td>RA: 19 33 42.0972 (293.4254050d)</td> <td>Proper Motion RA: 1.788 mas/yr</td> <td>V=14.860</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: KIC9284741</td> <td>Dec: +45 45 39.06 (45.76085d)</td> <td>Proper Motion Dec: 1.557 mas/yr</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(3)	KOI-7153	RA: 19 33 42.0972 (293.4254050d)	Proper Motion RA: 1.788 mas/yr	V=14.860	Reference Frame: ICRS		Alt Name1: KIC9284741	Dec: +45 45 39.06 (45.76085d)	Proper Motion Dec: 1.557 mas/yr					Equinox: J2000	Epoch of Position: 2000		
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																								
(3)	KOI-7153	RA: 19 33 42.0972 (293.4254050d)	Proper Motion RA: 1.788 mas/yr	V=14.860	Reference Frame: ICRS																									
	Alt Name1: KIC9284741	Dec: +45 45 39.06 (45.76085d)	Proper Motion Dec: 1.557 mas/yr																											
		Equinox: J2000	Epoch of Position: 2000																											
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[K V-IV]																														

Proposal 17505 - KOI-7153 (03) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

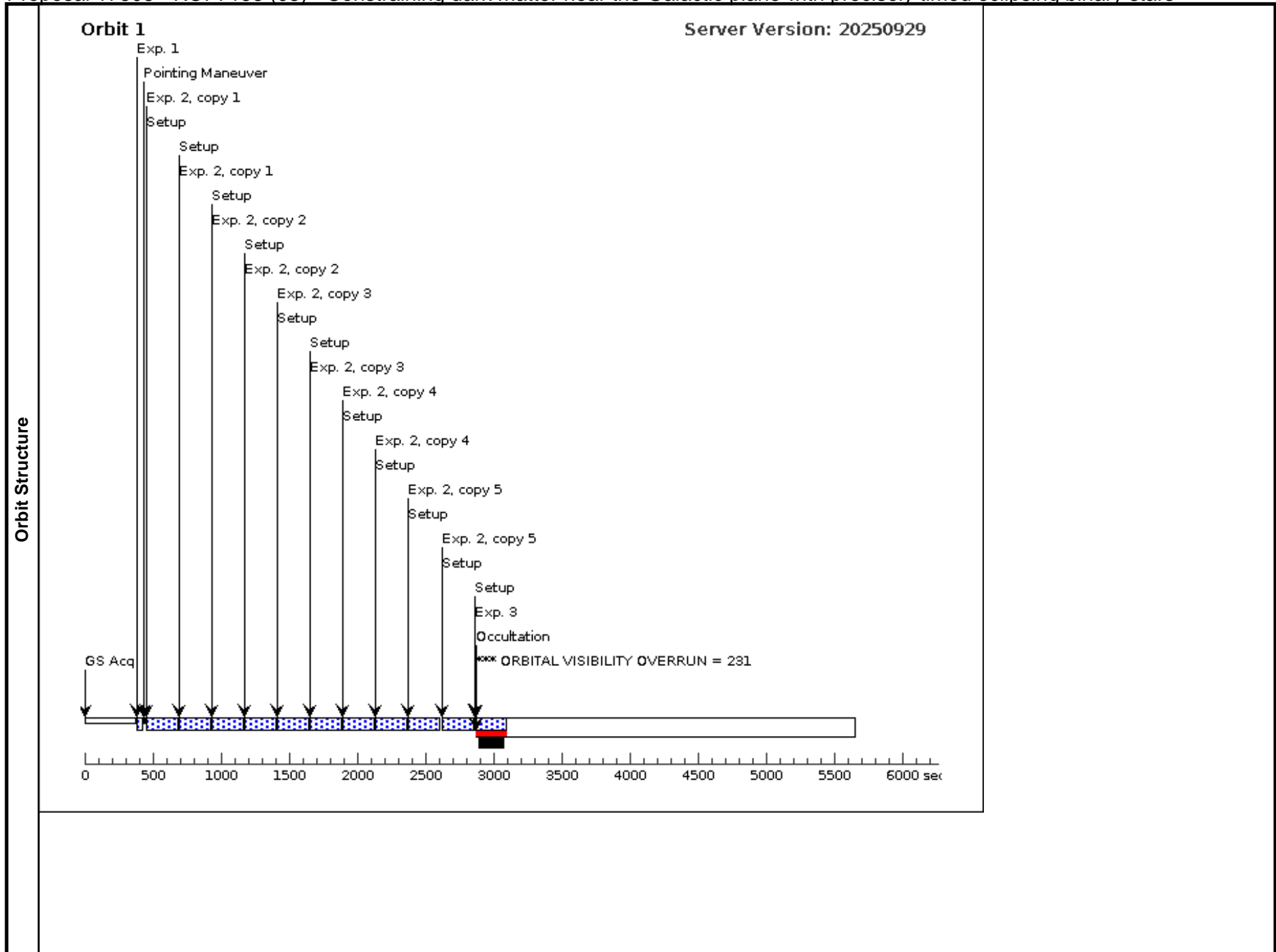
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	Image	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=6; SAMP-SEQ=SPARS5	PHASE 0.98532669 9749284 TO 0.98733 67408795191	Sequence 1-3 Non-Int in KOI-7153 (03)	12.02528 Secs (12.025 Secs)	[1]
	2	Scan	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=10; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 3,90.0 Degrees,Round trip	Sequence 1-3 Non-Int in KOI-7153 (03)	201.392166 Secs X 5 (2013.922 Secs)	[1]
	3	Scan Once	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=10; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 3,90.0 Degrees,Forward	Sequence 1-3 Non-Int in KOI-7153 (03)	201.392166 Secs (201.392 Secs)	[1]
	4	Image	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=6; SAMP-SEQ=SPARS5		Sequence 4-5 Non-Int in KOI-7153 (03)	12.02528 Secs (12.025 Secs)	[2]
	5	Scan	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=10; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 3,90.0 Degrees,Round trip	Sequence 4-5 Non-Int in KOI-7153 (03)	201.392166 Secs X 5 (2013.922 Secs)	[2]
	6	Image	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=6; SAMP-SEQ=SPARS5		Sequence 6-7 Non-Int in KOI-7153 (03)	12.02528 Secs (12.025 Secs)	[3]

Proposal 17505 - KOI-7153 (03) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

7	Scan	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=10; SAMP-SEQ=SPARS5	SPATIAL SCAN 0.0 3,90.0 Degrees, Round trip	Sequence 6-7 Non-Int in KOI-7153 (03)	201.392166 Secs X 5 (2013.922 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)]	[3]
8	Image	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=6; SAMP-SEQ=SPARS5		Sequence 8-9 Non-Int in KOI-7153 (03)	12.02528 Secs (12.025 Secs)	
								[==>]	[4]
9	Scan	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=10; SAMP-SEQ=SPARS5	SPATIAL SCAN 0.0 3,90.0 Degrees, Round trip	Sequence 8-9 Non-Int in KOI-7153 (03)	201.392166 Secs X 5 (2013.922 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)]	[4]
10	Image	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=6; SAMP-SEQ=SPARS5		Sequence 10-12 Non-Int in KOI-7153 (03)	12.02528 Secs (12.025 Secs)	
								[==>]	[5]
11	Scan	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=10; SAMP-SEQ=SPARS5	SPATIAL SCAN 0.0 3,90.0 Degrees, Round trip	Sequence 10-12 Non-Int in KOI-7153 (03)	201.392166 Secs X 4 (1611.137 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)]	[5]
12	Scan Once	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=10; SAMP-SEQ=SPARS5	SPATIAL SCAN 0.0 3,90.0 Degrees, Forward	Sequence 10-12 Non-Int in KOI-7153 (03)	201.392166 Secs (201.392 Secs)	
								[==>]	[5]
13	Image	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=6; SAMP-SEQ=SPARS5		Sequence 13-14 Non-Int in KOI-7153 (03)	12.02528 Secs (12.025 Secs)	
								[==>]	[6]

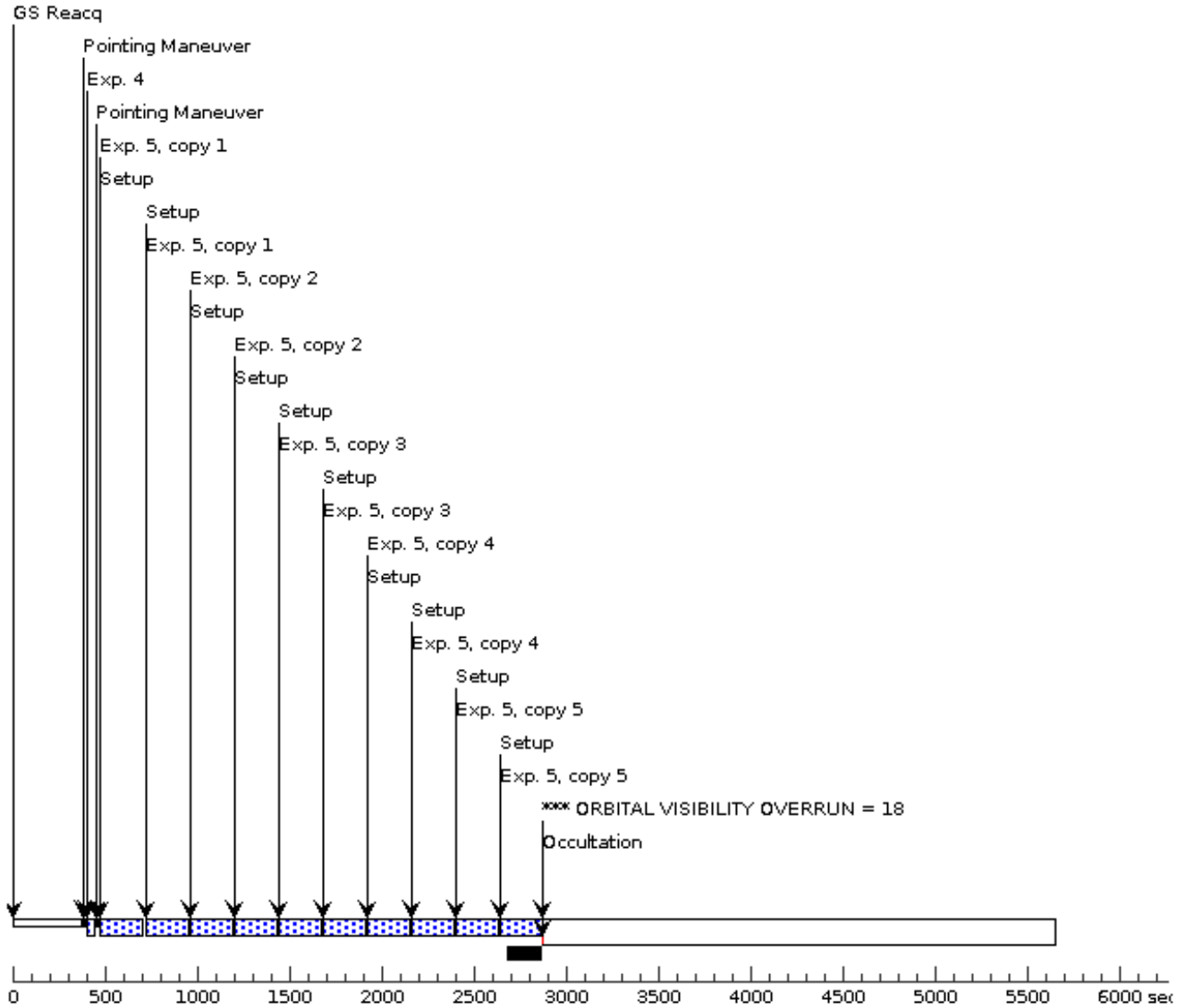
Proposal 17505 - KOI-7153 (03) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

14	Scan	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=10; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 3,90.0 Degrees,Round trip	Sequence 13-14 Non-Int in KOI-7153 (03)	201.392166 Secs X 4 (1611.137 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)]	[6]
15	Image	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=6; SAMP-SEQ=SPARS5		Sequence 15-17 Non-Int in KOI-7153 (03)	12.02528 Secs (12.025 Secs)	
								[==>]	[7]
16	Scan	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=10; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 3,90.0 Degrees,Round trip	Sequence 15-17 Non-Int in KOI-7153 (03)	201.392166 Secs X 3 (1208.353 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)]	[7]
17	Scan Once	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=10; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 3,90.0 Degrees,Forward	Sequence 15-17 Non-Int in KOI-7153 (03)	201.392166 Secs (201.392 Secs)	
								[==>]	[7]
18	Image	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	F139M	NSAMP=6; SAMP-SEQ=SPARS5		Sequence 18-20 Non-Int in KOI-7153 (03)	12.02528 Secs (12.025 Secs)	
								[==>]	[8]
19	Scan	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=10; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 3,90.0 Degrees,Round trip	Sequence 18-20 Non-Int in KOI-7153 (03)	201.392166 Secs X 3 (1208.353 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)]	[8]
20	Scan Once	(3) KOI-7153	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=10; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 3,90.0 Degrees,Forward	Sequence 18-20 Non-Int in KOI-7153 (03)	201.392166 Secs (201.392 Secs)	
								[==>]	[8]



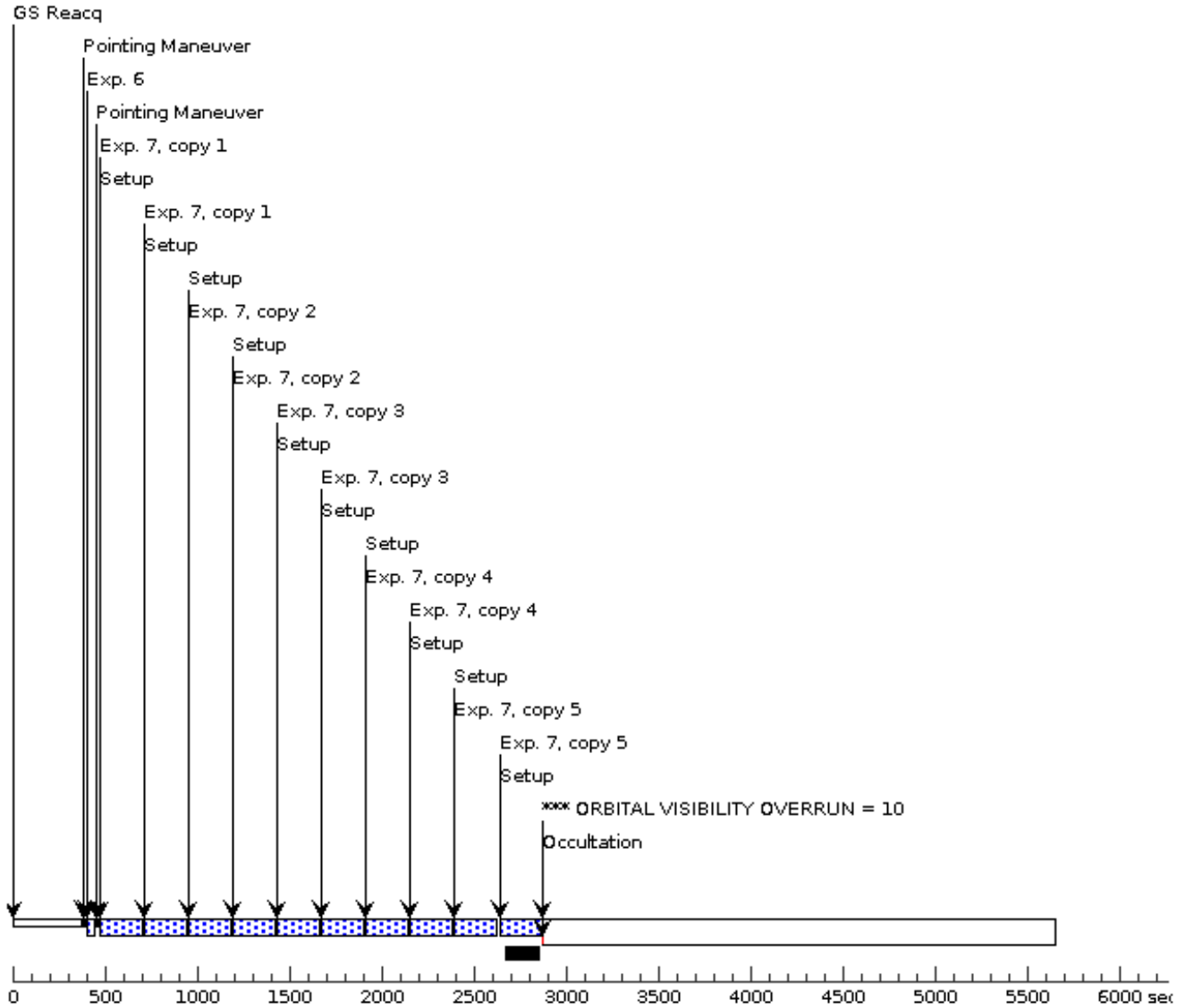
Orbit 2

Server Version: 20250929



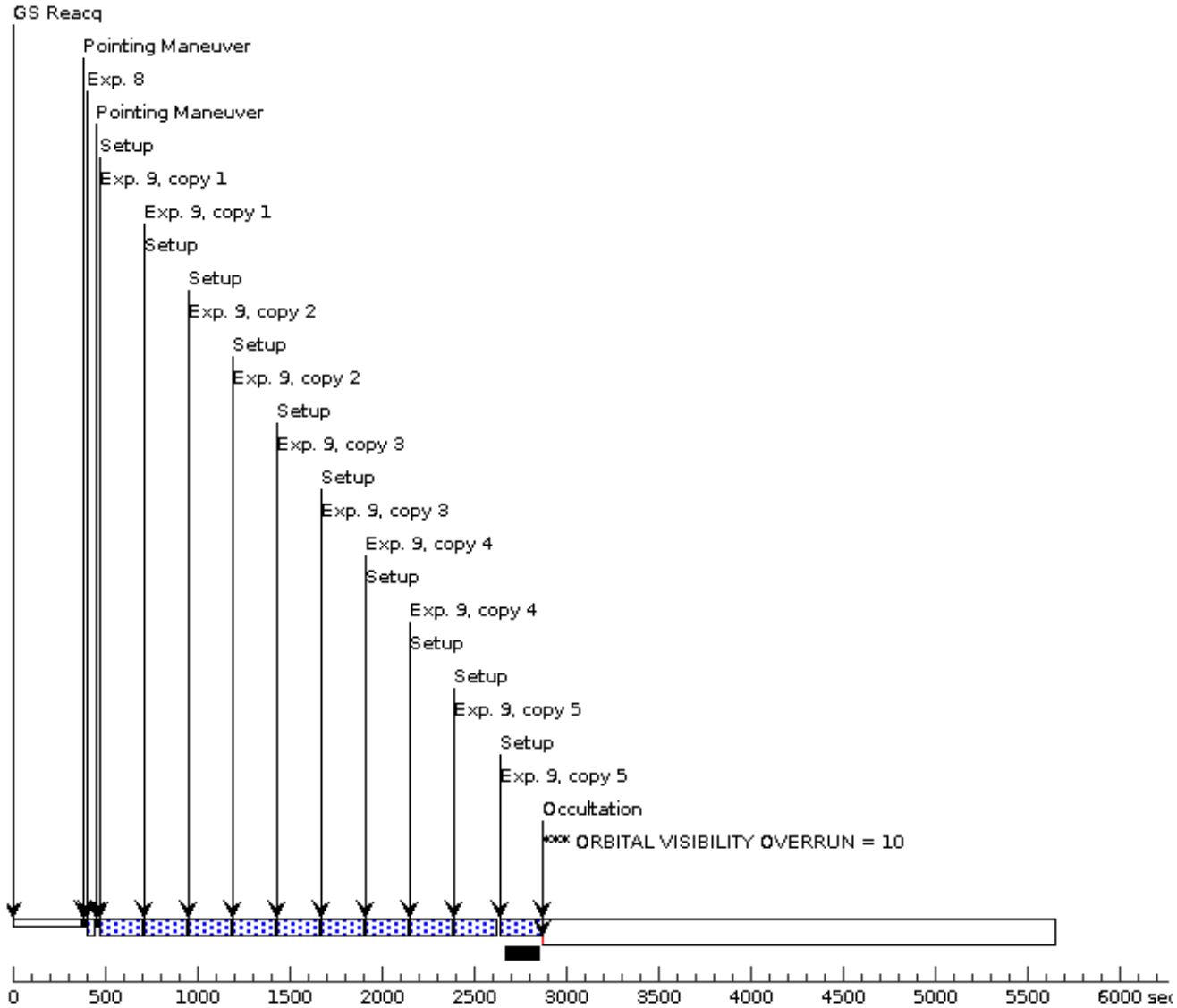
Orbit 3

Server Version: 20250929



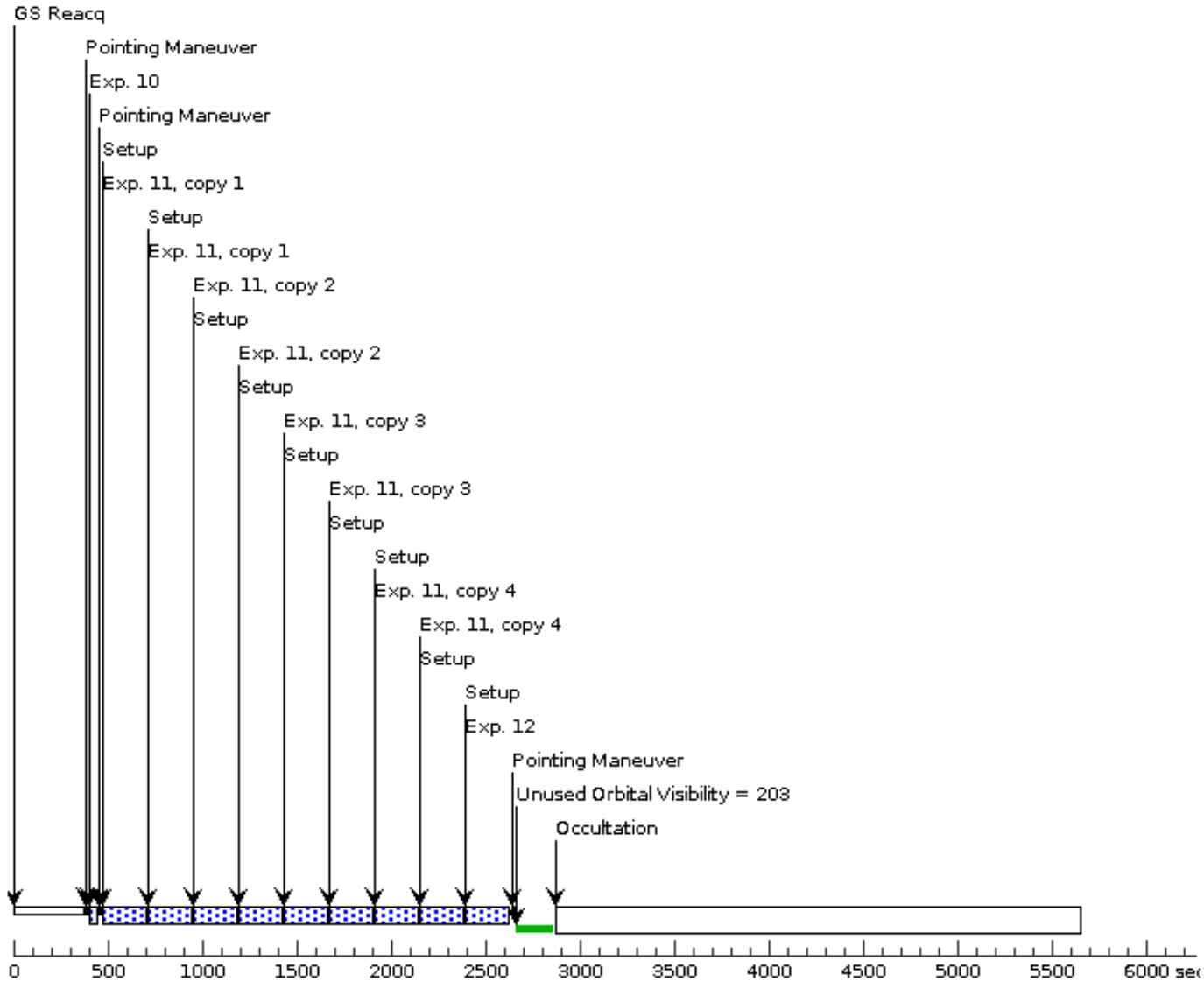
Orbit 4

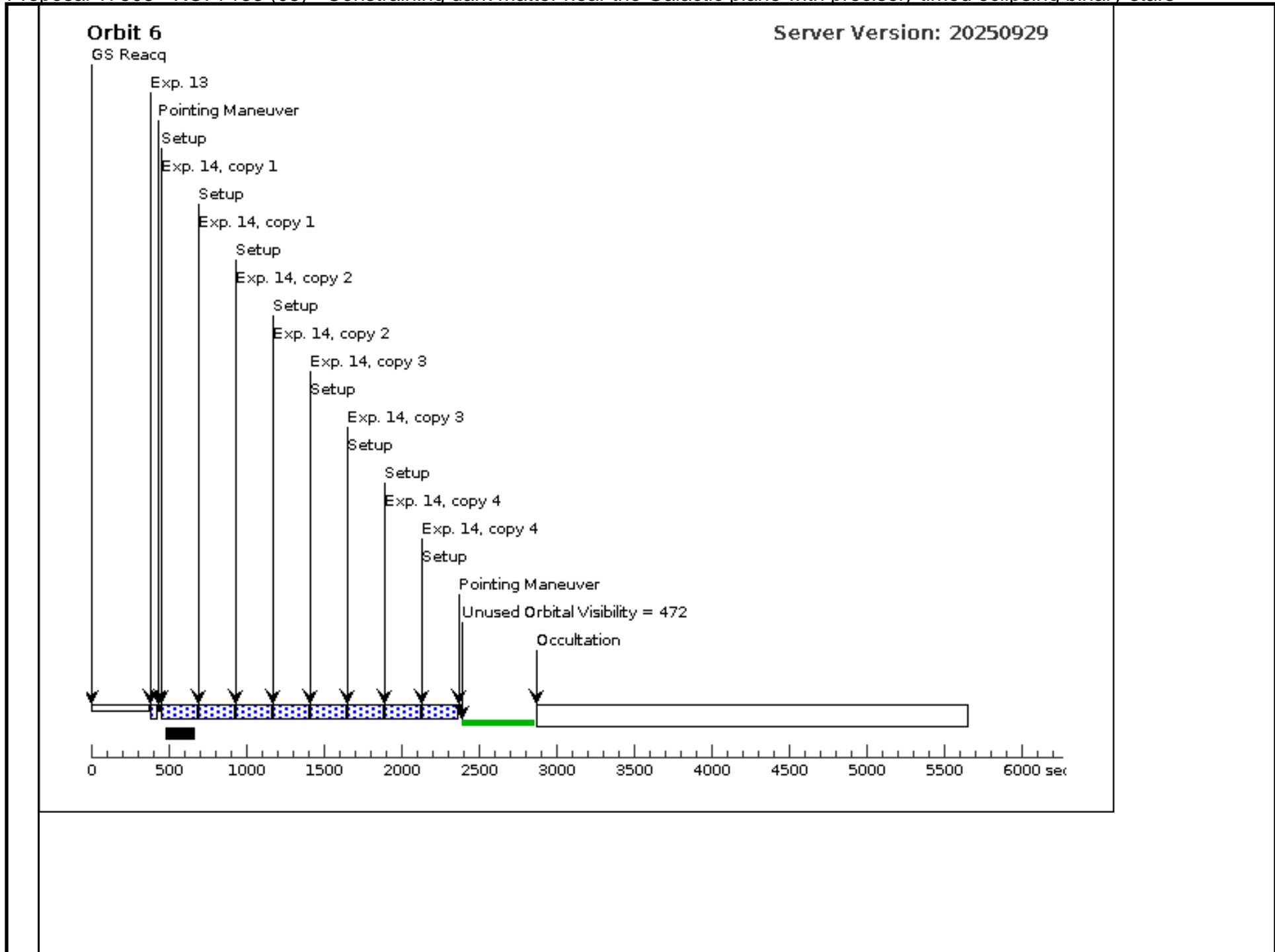
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Orbit 5

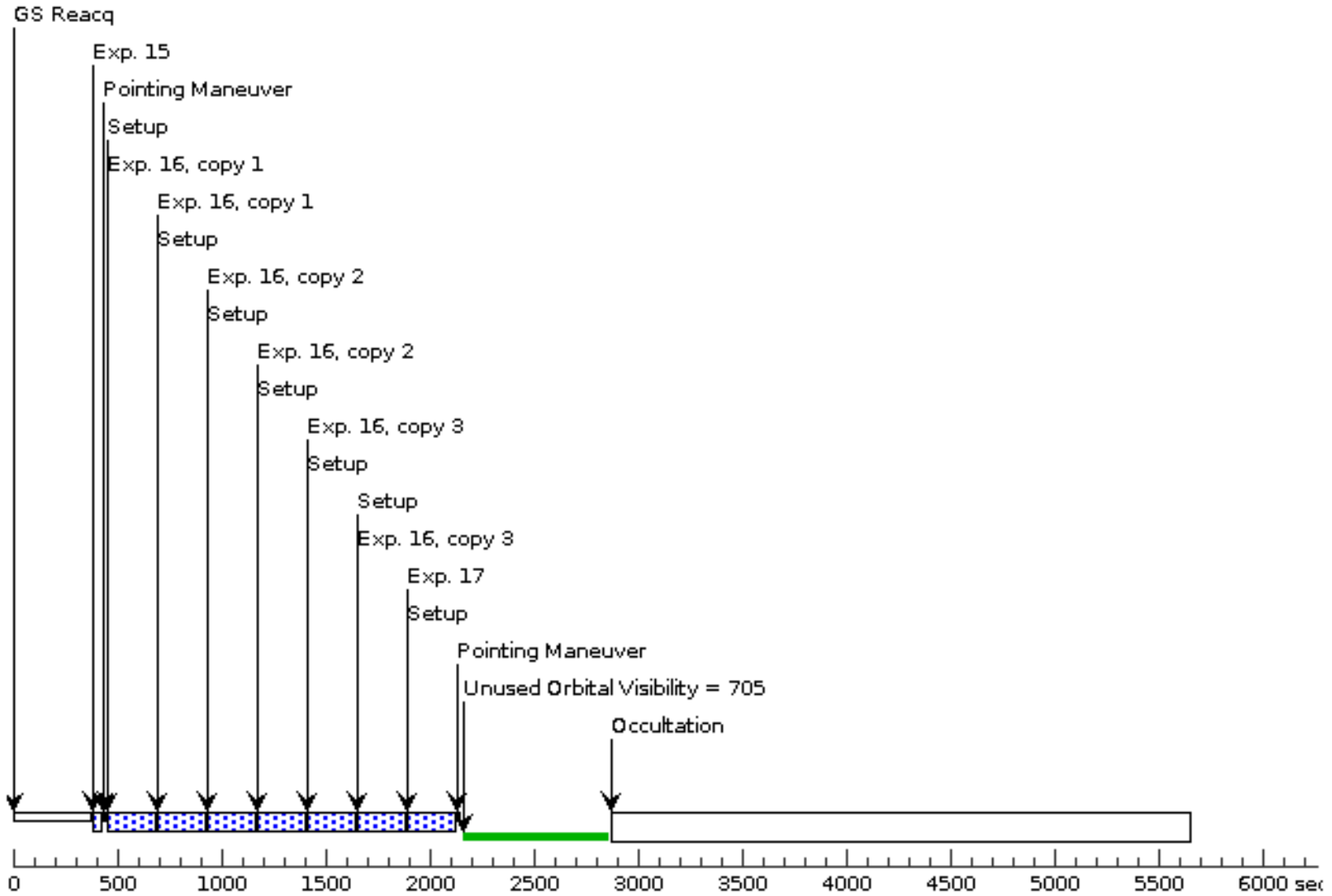
Server Version: 20250929

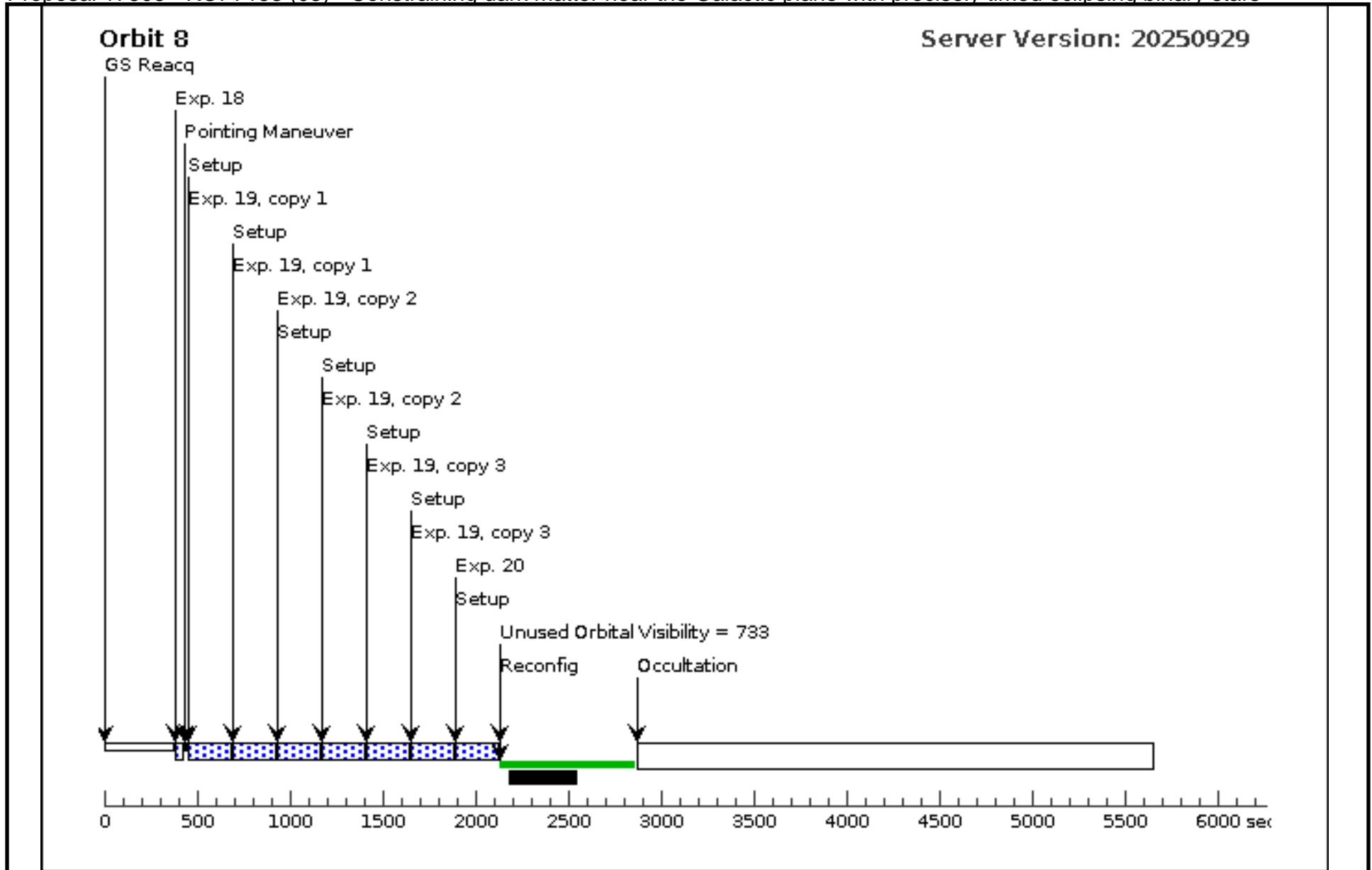




Orbit 7

Server Version: 20250929





Proposal 17505 - KOI-6459 (04) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

Mon Jan 26 17:01:34 GMT 2026

Visit	<p>Proposal 17505, KOI-6459 (04), failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: ORIENT 0D TO 359 D; Period 30.96023071 D AND ZERO-PHASE HJD2459740.310571</p> <p><i>Comments: 9 orbits</i></p>																												
	<p>(KOI-6459 (04)) Warning (Orbit Planner): LONG VISIT LIKELY TO INTERSECT THE SAA</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(KOI-6459 (04)) Warning (Orbit Planner): VISIT REQUIRES GYRO BIAS UPDATE</p>																												
Diagnosics																													
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(5)</td> <td>KOI-6459</td> <td>RA: 19 40 18.3868 (295.0766117d)</td> <td>Proper Motion RA: 5.245 mas/yr</td> <td>V=12.580</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: KIC4847832</td> <td>Dec: +39 57 29.76 (39.95827d)</td> <td>Proper Motion Dec: -7.166999921537354 mas/yr</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p>Category=STAR</p> <p>Description=[G V-IV]</p>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(5)	KOI-6459	RA: 19 40 18.3868 (295.0766117d)	Proper Motion RA: 5.245 mas/yr	V=12.580	Reference Frame: ICRS		Alt Name1: KIC4847832	Dec: +39 57 29.76 (39.95827d)	Proper Motion Dec: -7.166999921537354 mas/yr					Equinox: J2000	Epoch of Position: 2000		
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																							
(5)	KOI-6459	RA: 19 40 18.3868 (295.0766117d)	Proper Motion RA: 5.245 mas/yr	V=12.580	Reference Frame: ICRS																								
	Alt Name1: KIC4847832	Dec: +39 57 29.76 (39.95827d)	Proper Motion Dec: -7.166999921537354 mas/yr																										
		Equinox: J2000	Epoch of Position: 2000																										

Proposal 17505 - KOI-6459 (04) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID	PHASE 0.98909891 84427819 TO 0.9904 447309807101	Sequence 1-3 Non-Int in KOI-6459 (04)	4.167225 Secs (4.167 Secs) [==>]	[1]
	2	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,0.0 Degrees, Round trip	Sequence 1-3 Non-Int in KOI-6459 (04)	134.354049 Secs X 6 (1612.249 Secs) [==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)]	[1]
	3	Scan Once	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,0.0 Degrees, Forward	Sequence 1-3 Non-Int in KOI-6459 (04)	134.354049 Secs (134.354 Secs) [==>]	[1]
	4	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,0.0 Degrees, Round trip	Sequence 4-5 Non-Int in KOI-6459 (04)	134.354049 Secs (268.708 Secs) [==>(Forward)] [==>(Reverse)]	[1]
	5	Scan Once	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,0.0 Degrees, Forward	Sequence 4-5 Non-Int in KOI-6459 (04)	134.354049 Secs (134.354 Secs) [==>]	[1]
	6	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 6-8 Non-Int in KOI-6459 (04)	4.167225 Secs (4.167 Secs) [==>]	[2]

Proposal 17505 - KOI-6459 (04) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

7	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,0.0 Degrees, Round trip	Sequence 6-8 Non-Int in KOI-6459 (04)	134.354049 Secs X 8 (2149.665 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)] [==>(Copy 8, Forward)] [==>(Copy 8, Reverse)]	[2]
8	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,0.0 Degrees, Forward	Sequence 6-8 Non-Int in KOI-6459 (04)	134.354049 Secs (134.354 Secs)	
								[==>]	[2]
9	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 9-11 Non-Int in KOI-6459 (04)	4.167225 Secs (4.167 Secs)	
								[==>]	[3]
10	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,0.0 Degrees, Round trip	Sequence 9-11 Non-Int in KOI-6459 (04)	134.354049 Secs X 8 (2149.665 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)] [==>(Copy 8, Forward)] [==>(Copy 8, Reverse)]	[3]
11	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,0.0 Degrees, Forward	Sequence 9-11 Non-Int in KOI-6459 (04)	134.354049 Secs (134.354 Secs)	
								[==>]	[3]

Proposal 17505 - KOI-6459 (04) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

12	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID	Sequence 12-14 Non-Int in KOI-6459 (04)	4.167225 Secs (4.167 Secs) [==>]	[4]
13	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,0.0 Degrees, Round trip	Sequence 12-14 Non-Int in KOI-6459 (04) [==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)] [==>(Copy 8, Forward)] [==>(Copy 8, Reverse)]	[4]
14	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,0.0 Degrees, Forward	Sequence 12-14 Non-Int in KOI-6459 (04) [==>]	[4]
15	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID	Sequence 15-17 Non-Int in KOI-6459 (04)	4.167225 Secs (4.167 Secs) [==>]	[5]
16	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,0.0 Degrees, Round trip	Sequence 15-17 Non-Int in KOI-6459 (04) [==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)] [==>(Copy 8, Forward)] [==>(Copy 8, Reverse)]	[5]

Proposal 17505 - KOI-6459 (04) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

17	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,0.0 Degrees, Forward	Sequence 15-17 Non-Int in KOI-6459 (04)	134.354049 Secs (134.354 Secs) [==>]	[5]
18	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 18-20 Non-Int in KOI-6459 (04)	4.167225 Secs (4.167 Secs) [==>]	[6]
19	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,0.0 Degrees, Round trip	Sequence 18-20 Non-Int in KOI-6459 (04)	134.354049 Secs X 8 (2149.665 Secs) [==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)] [==>(Copy 8, Forward)] [==>(Copy 8, Reverse)]	[6]
20	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,0.0 Degrees, Forward	Sequence 18-20 Non-Int in KOI-6459 (04)	134.354049 Secs (134.354 Secs) [==>]	[6]
21	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 21-23 Non-Int in KOI-6459 (04)	4.167225 Secs (4.167 Secs) [==>]	[7]

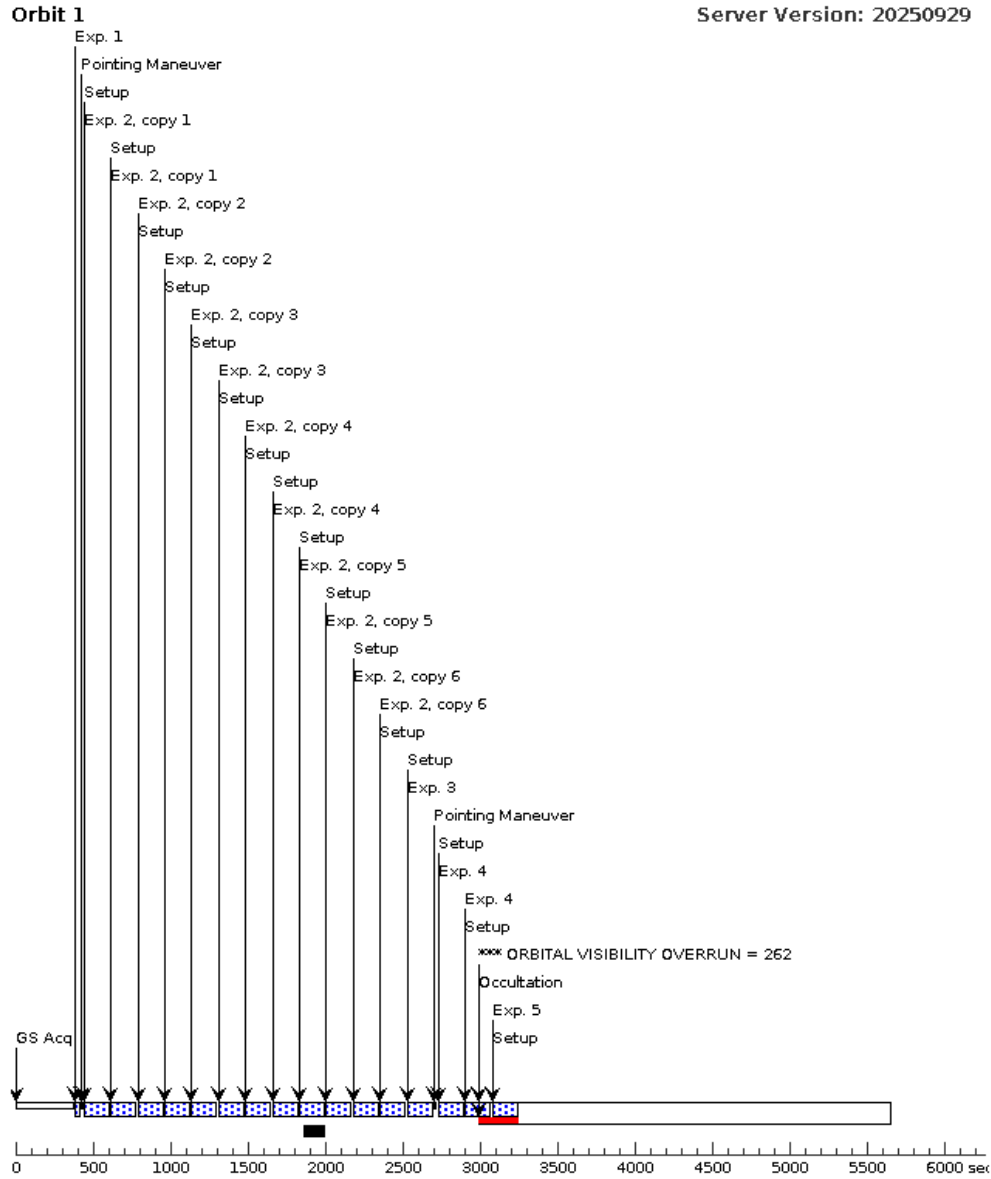
Proposal 17505 - KOI-6459 (04) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

22	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,0.0 Degrees, Round trip	Sequence 21-23 Non-Int in KOI-6459 (04)	134.354049 Secs X 8 (2149.665 Secs)		
										[7]
23	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,0.0 Degrees, Forward	Sequence 21-23 Non-Int in KOI-6459 (04)	134.354049 Secs (134.354 Secs)		
										[7]
24	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 24-25 Non-Int in KOI-6459 (04)	4.167225 Secs (4.167 Secs)		
										[8]
25	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,0.0 Degrees, Round trip	Sequence 24-25 Non-Int in KOI-6459 (04)	134.354049 Secs X 6 (1612.249 Secs)		
										[8]
26	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 26-28 Non-Int in KOI-6459 (04)	4.167225 Secs (4.167 Secs)		
										[9]

Proposal 17505 - KOI-6459 (04) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

27	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,0.0 Degrees, Round trip	Sequence 26-28 Non -Int in KOI-6459 (04)	134.354049 Secs X 4 (1074.832 Secs) [==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)]	[9]
28	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,0.0 Degrees, Forward	Sequence 26-28 Non -Int in KOI-6459 (04)	134.354049 Secs (134.354 Secs) [==>]	[9]

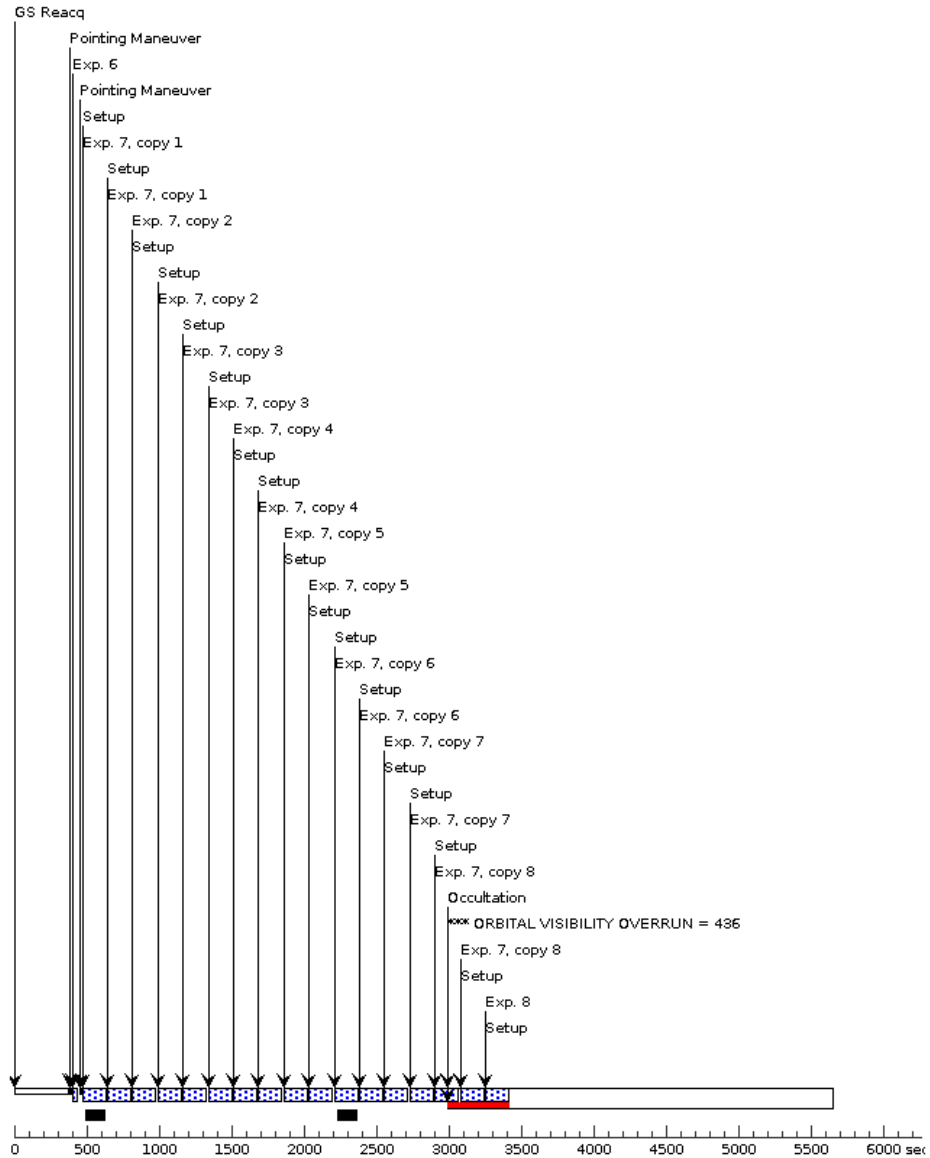
Orbit Structure



Proposal 17505 - KOI-6459 (04) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

Orbit 2

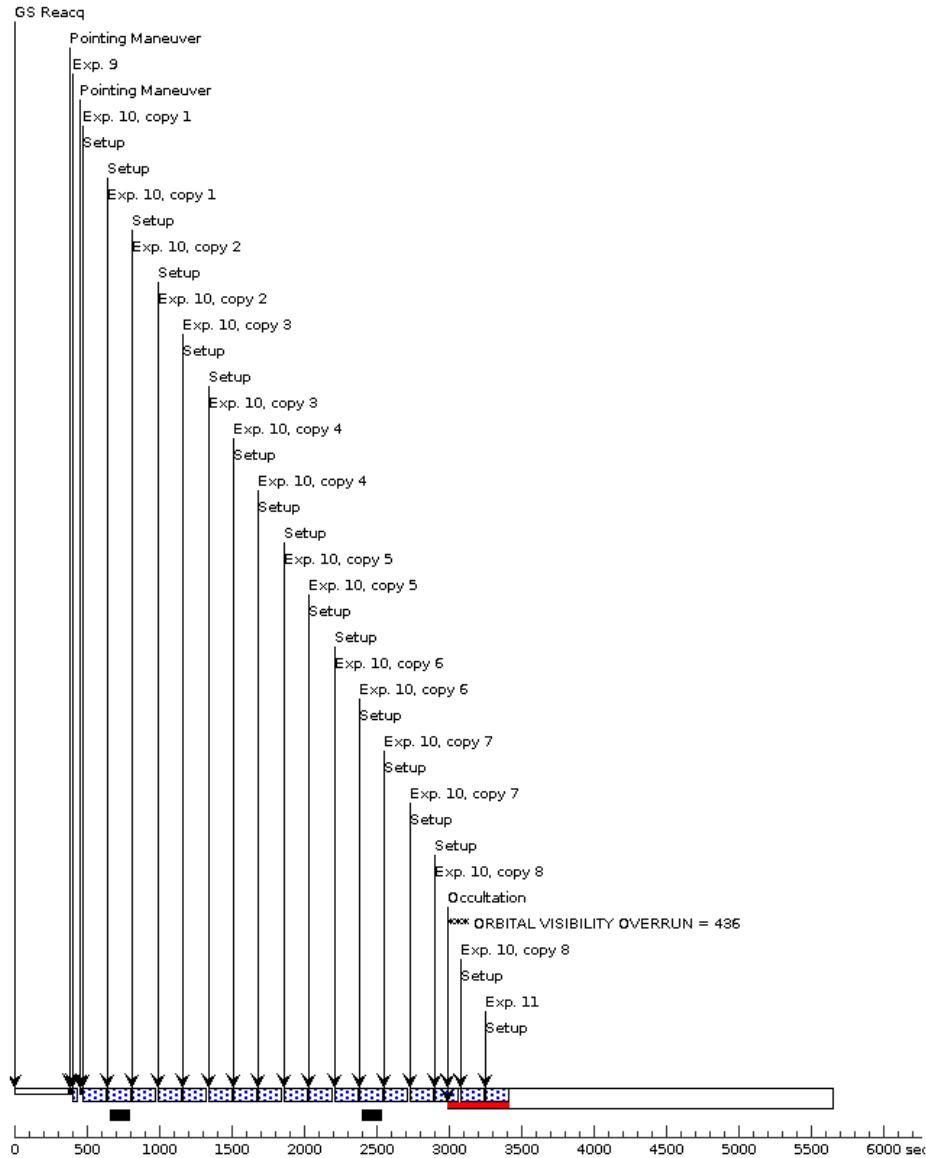
Server Version: 20250929



Proposal 17505 - KOI-6459 (04) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

Orbit 3

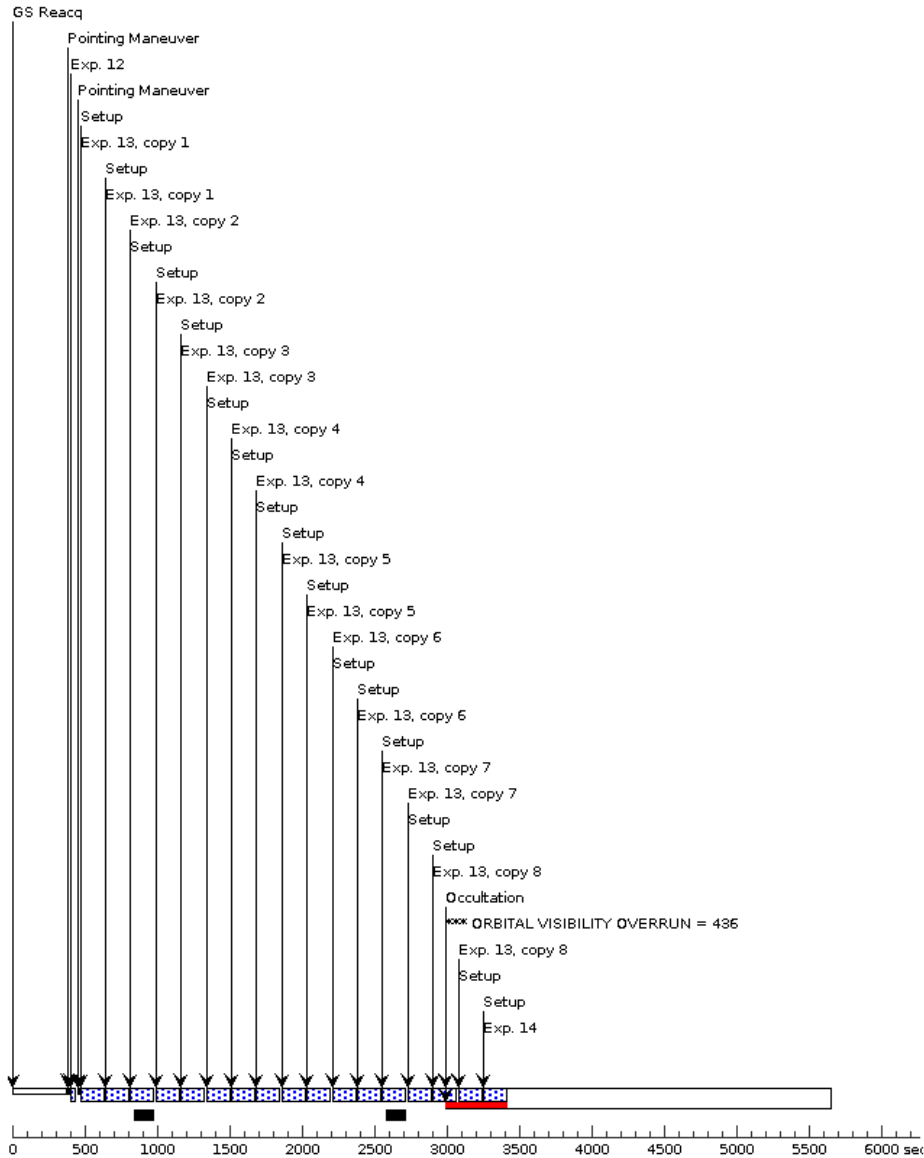
Server Version: 20250929



Proposal 17505 - KOI-6459 (04) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

Orbit 4

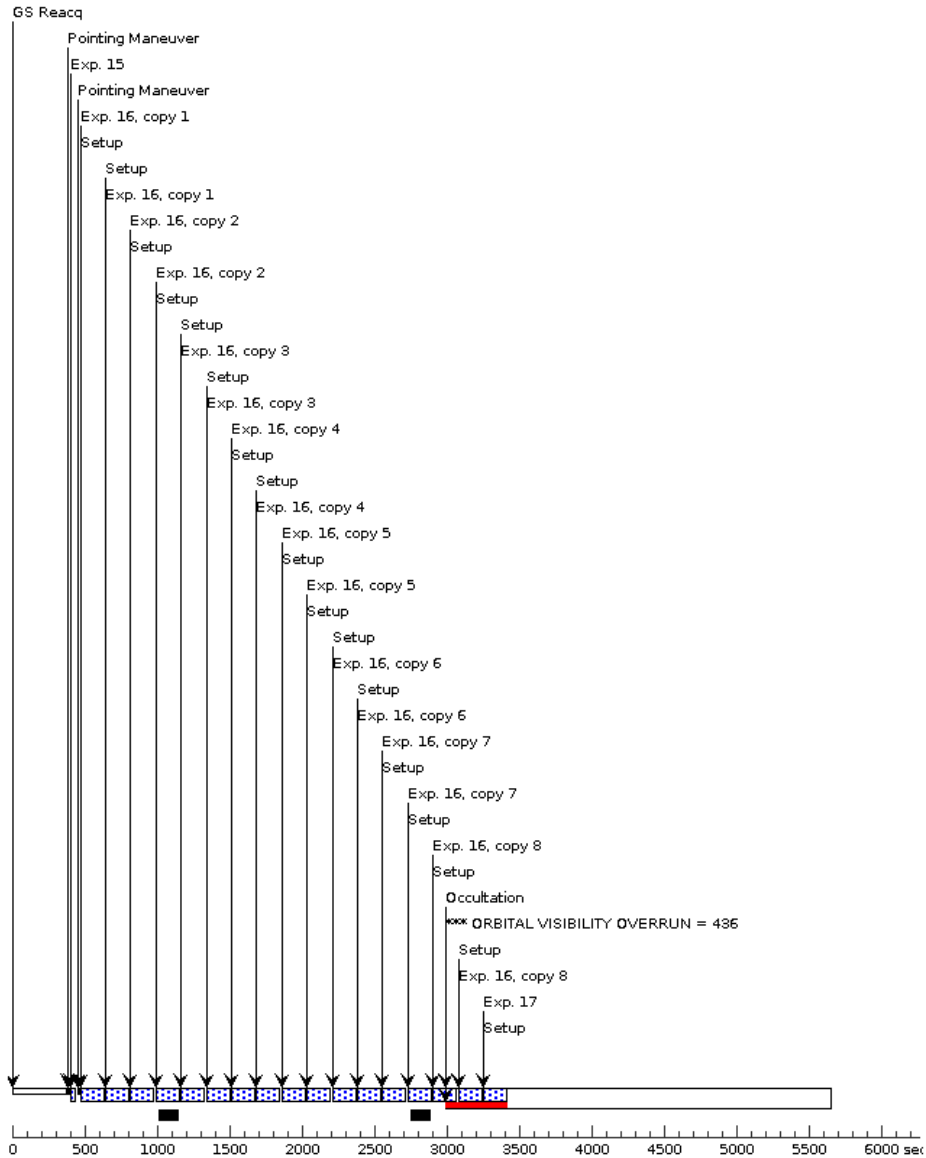
Server Version: 20250929



Proposal 17505 - KOI-6459 (04) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

Orbit 5

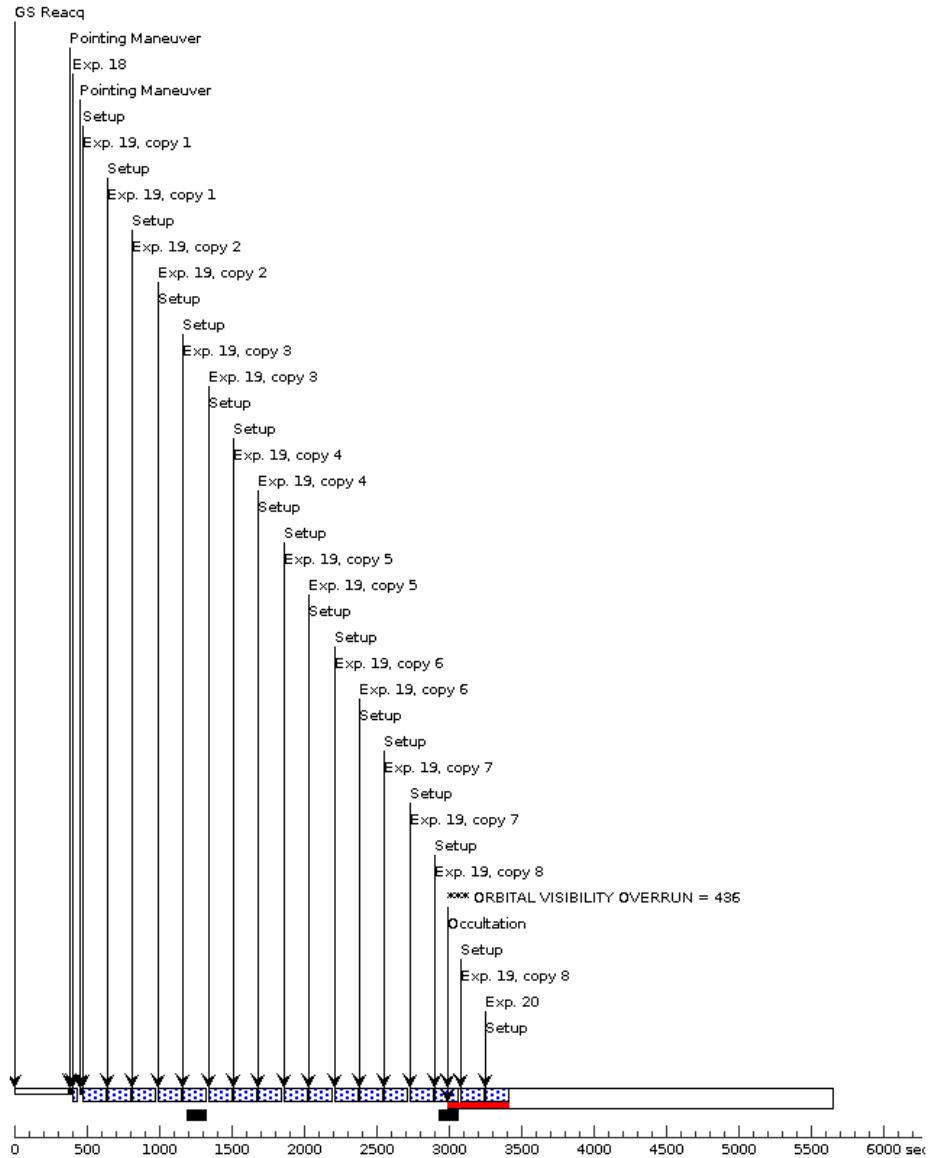
Server Version: 20250929



Proposal 17505 - KOI-6459 (04) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

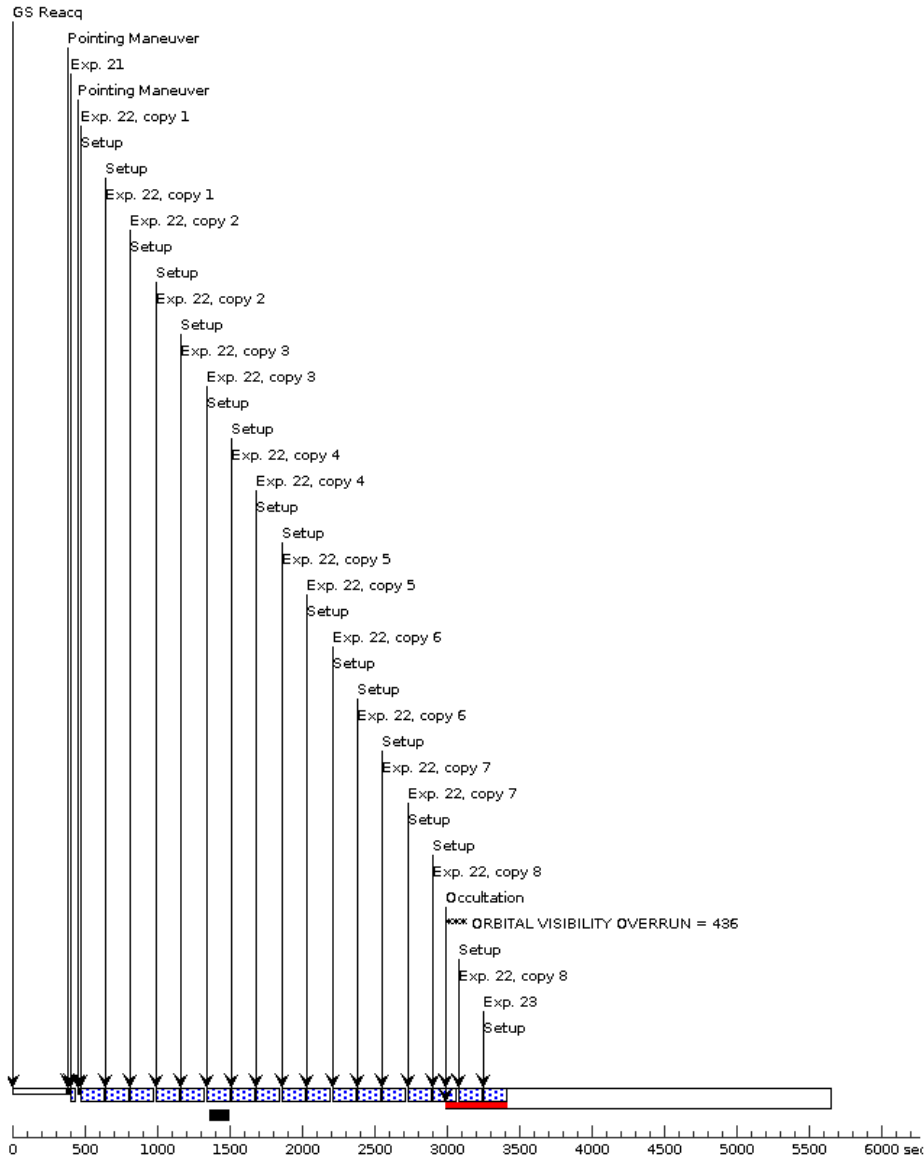
Orbit 6

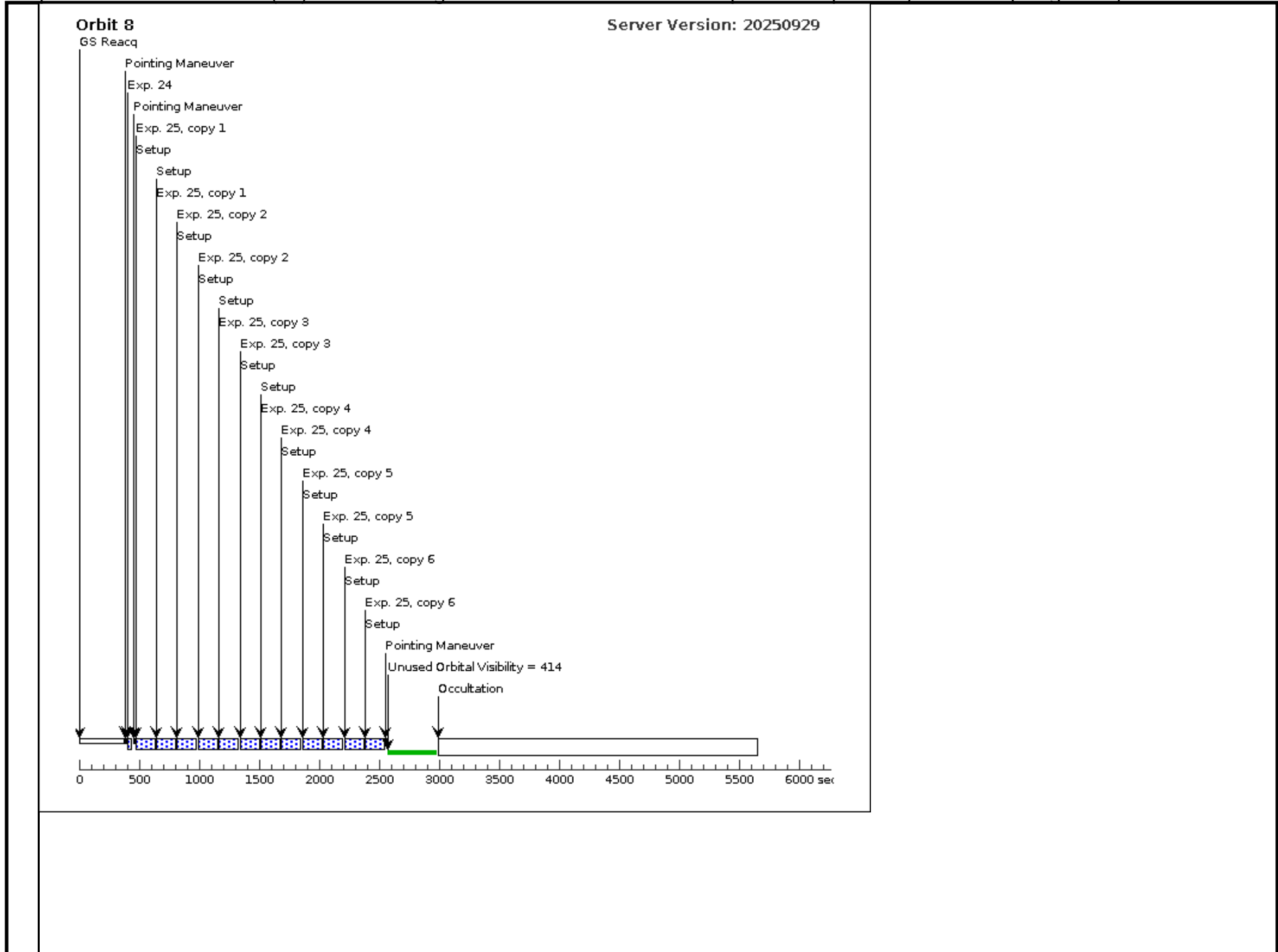
Server Version: 20250929

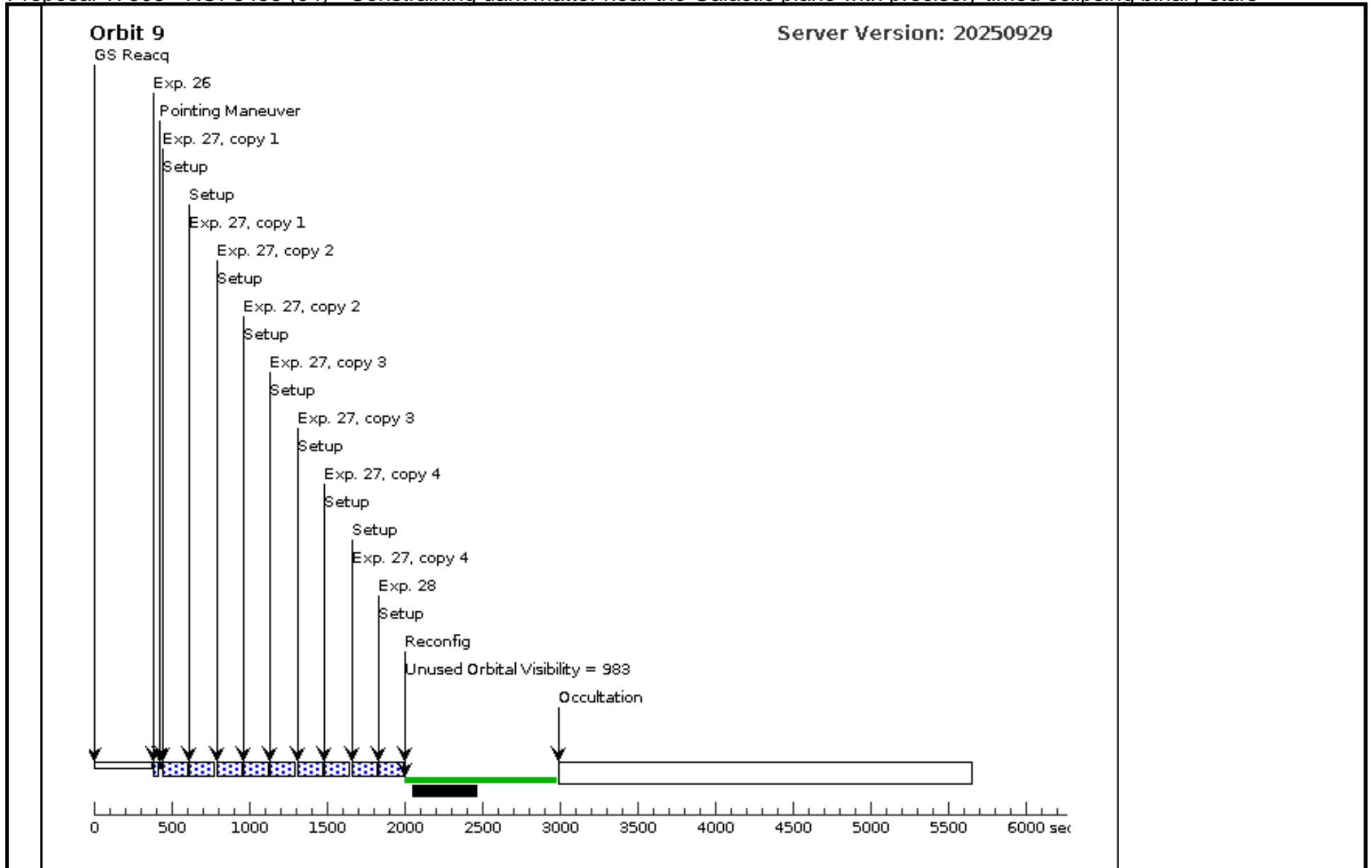


Orbit 7

Server Version: 20250929







Proposal 17505 - KOI-6459 redo (05) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

Visit	Proposal 17505, KOI-6459 redo (05), completed Mon Jan 26 17:01:34 GMT 2026 Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 0D TO 359 D; Period 30.96023071 D AND ZERO-PHASE HJD2459740.310571 <i>Comments: 9 orbits, redo of failed visit 04</i>																												
	Diagnosics (KOI-6459 redo (05)) Warning (Orbit Planner): LONG VISIT LIKELY TO INTERSECT THE SAA (KOI-6459 redo (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (KOI-6459 redo (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (KOI-6459 redo (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (KOI-6459 redo (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (KOI-6459 redo (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (KOI-6459 redo (05)) Warning (Orbit Planner): VISIT REQUIRES GYRO BIAS UPDATE																												
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(5)</td> <td>KOI-6459</td> <td>RA: 19 40 18.3868 (295.0766117d)</td> <td>Proper Motion RA: 5.245 mas/yr</td> <td>V=12.580</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: KIC4847832</td> <td>Dec: +39 57 29.76 (39.95827d)</td> <td>Proper Motion Dec: -7.166999921537354 mas/yr</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(5)	KOI-6459	RA: 19 40 18.3868 (295.0766117d)	Proper Motion RA: 5.245 mas/yr	V=12.580	Reference Frame: ICRS		Alt Name1: KIC4847832	Dec: +39 57 29.76 (39.95827d)	Proper Motion Dec: -7.166999921537354 mas/yr					Equinox: J2000	Epoch of Position: 2000		
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																							
(5)	KOI-6459	RA: 19 40 18.3868 (295.0766117d)	Proper Motion RA: 5.245 mas/yr	V=12.580	Reference Frame: ICRS																								
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		Equinox: J2000	Epoch of Position: 2000																										
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[G V-IV]																													

Proposal 17505 - KOI-6459 redo (05) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID	PHASE 0.98909891 84427819 TO 0.9904 447309807101	Sequence 1-3 Non-Int in KOI-6459 redo (05)	4.167225 Secs (4.167 Secs)	[1]
	2	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,90.0 Degrees,Round trip	Sequence 1-3 Non-Int in KOI-6459 redo (05)	134.354049 Secs X 6 (1612.249 Secs)	[1]
									[==>(Copy 1, Forward)]	
									[==>(Copy 1, Reverse)]	
									[==>(Copy 2, Forward)]	
									[==>(Copy 2, Reverse)]	
								[==>(Copy 3, Forward)]		
								[==>(Copy 3, Reverse)]		
								[==>(Copy 4, Forward)]		
								[==>(Copy 4, Reverse)]		
								[==>(Copy 5, Forward)]		
								[==>(Copy 5, Reverse)]		
								[==>(Copy 6, Forward)]		
								[==>(Copy 6, Reverse)]		
3	Scan Once	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,90.0 Degrees,Forward	Sequence 1-3 Non-Int in KOI-6459 redo (05)	134.354049 Secs (134.354 Secs)	[1]	
4	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 4-5 Non-Int in KOI-6459 redo (05)	4.167225 Secs (4.167 Secs)	[2]	
5	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,90.0 Degrees,Round trip	Sequence 4-5 Non-Int in KOI-6459 redo (05)	134.354049 Secs X 6 (1612.249 Secs)	[2]	
								[==>(Copy 1, Forward)]		
								[==>(Copy 1, Reverse)]		
								[==>(Copy 2, Forward)]		
								[==>(Copy 2, Reverse)]		
								[==>(Copy 3, Forward)]		
								[==>(Copy 3, Reverse)]		
								[==>(Copy 4, Forward)]		
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								[==>(Copy 5, Forward)]		
								[==>(Copy 5, Reverse)]		
								[==>(Copy 6, Forward)]		
								[==>(Copy 6, Reverse)]		
6	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 6-8 Non-Int in KOI-6459 redo (05)	4.167225 Secs (4.167 Secs)	[3]	

Proposal 17505 - KOI-6459 redo (05) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

7	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,90.0 Degrees, Round trip	Sequence 6-8 Non-Int in KOI-6459 redo (05)	134.354049 Secs X 5 (1343.54 Secs)	[3]
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)]	
8	Scan Once	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,90.0 Degrees, Forward	Sequence 6-8 Non-Int in KOI-6459 redo (05)	134.354049 Secs (134.354 Secs)	[3]
								[==>]	
9	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 9-11 Non-Int in KOI-6459 redo (05)	4.167225 Secs (4.167 Secs)	[4]
								[==>]	
10	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,90.0 Degrees, Round trip	Sequence 9-11 Non-Int in KOI-6459 redo (05)	134.354049 Secs X 7 (1880.957 Secs)	[4]
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)]	
11	Scan Once	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPARS25	SPATIAL SCAN 0.0 4,90.0 Degrees, Forward	Sequence 9-11 Non-Int in KOI-6459 redo (05)	134.354049 Secs (134.354 Secs)	[4]
								[==>]	
12	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 12-14 Non-Int in KOI-6459 redo (05)	4.167225 Secs (4.167 Secs)	[5]
								[==>]	

Proposal 17505 - KOI-6459 redo (05) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

13	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,90.0 Degrees,Round trip	Sequence 12-14 Non-Int in KOI-6459 redo (05)	134.354049 Secs X 7 (1880.957 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)]	[5]
14	Scan Once	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,90.0 Degrees,Forward	Sequence 12-14 Non-Int in KOI-6459 redo (05)	134.354049 Secs (134.354 Secs)	
								[==>]	[5]
15	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 15-17 Non-Int in KOI-6459 redo (05)	4.167225 Secs (4.167 Secs)	
								[==>]	[6]
16	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,90.0 Degrees,Round trip	Sequence 15-17 Non-Int in KOI-6459 redo (05)	134.354049 Secs X 7 (1880.957 Secs)	
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)]	[6]
17	Scan Once	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,90.0 Degrees,Forward	Sequence 15-17 Non-Int in KOI-6459 redo (05)	134.354049 Secs (134.354 Secs)	
								[==>]	[6]
18	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 18-20 Non-Int in KOI-6459 redo (05)	4.167225 Secs (4.167 Secs)	
								[==>]	[7]

Proposal 17505 - KOI-6459 redo (05) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

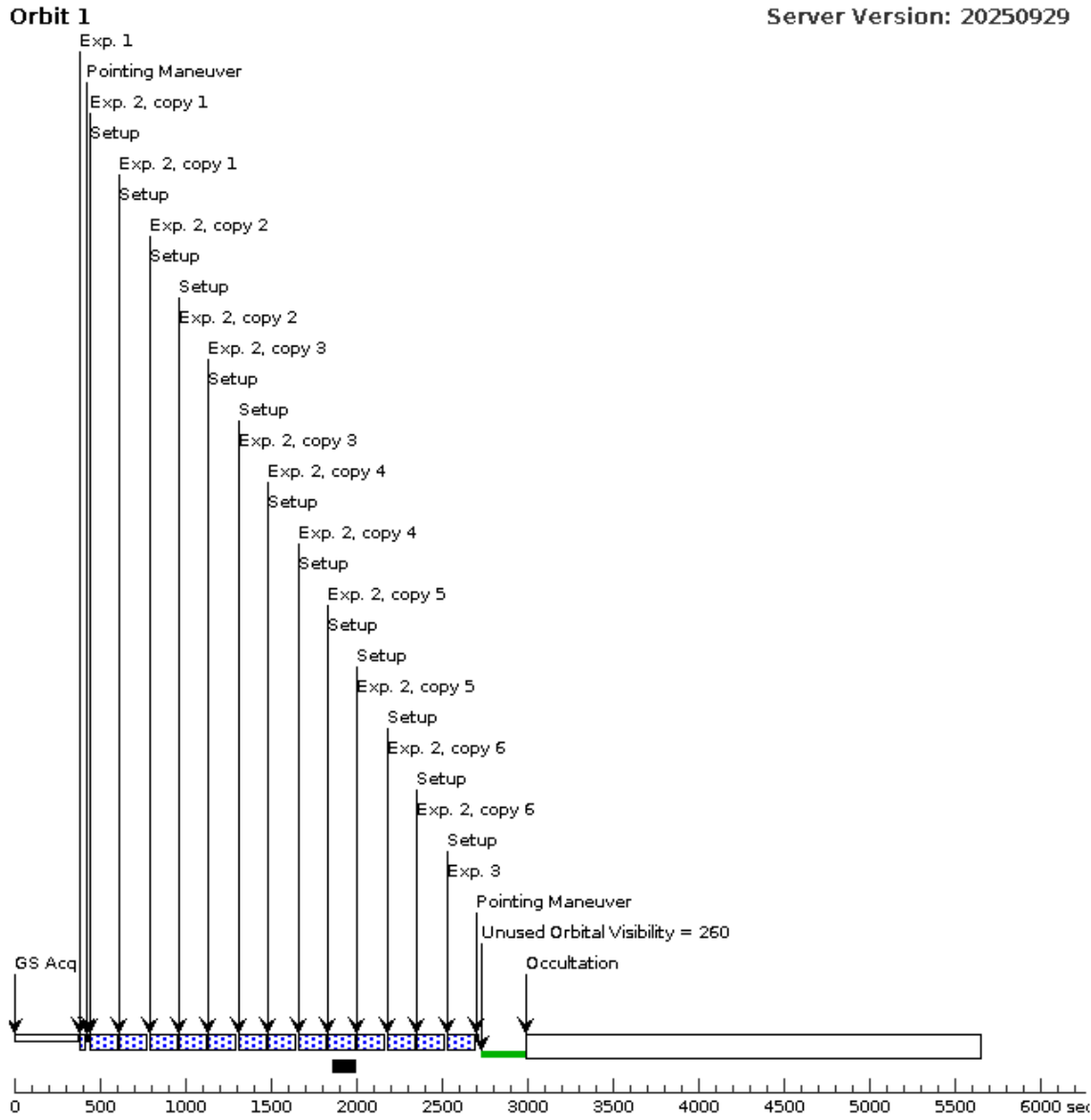
19	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,90.0 Degrees,Round trip	Sequence 18-20 Non-Int in KOI-6459 redo (05)	134.354049 Secs X 7 (1880.957 Secs)		
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)]	[7]	
20	Scan Once	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,90.0 Degrees,Forward	Sequence 18-20 Non-Int in KOI-6459 redo (05)	134.354049 Secs (134.354 Secs)		
								[==>]	[7]	
21	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 21-23 Non-Int in KOI-6459 redo (05)	4.167225 Secs (4.167 Secs)		
								[==>]	[8]	
22	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,90.0 Degrees,Round trip	Sequence 21-23 Non-Int in KOI-6459 redo (05)	134.354049 Secs X 6 (1612.249 Secs)		
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)]	[8]	
23	Scan Once	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,90.0 Degrees,Forward	Sequence 21-23 Non-Int in KOI-6459 redo (05)	134.354049 Secs (134.354 Secs)		
								[==>]	[8]	
24	Image	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	F132N	NSAMP=15; SAMP-SEQ=RAPID		Sequence 24-26 Non-Int in KOI-6459 redo (05)	4.167225 Secs (4.167 Secs)		
								[==>]	[9]	

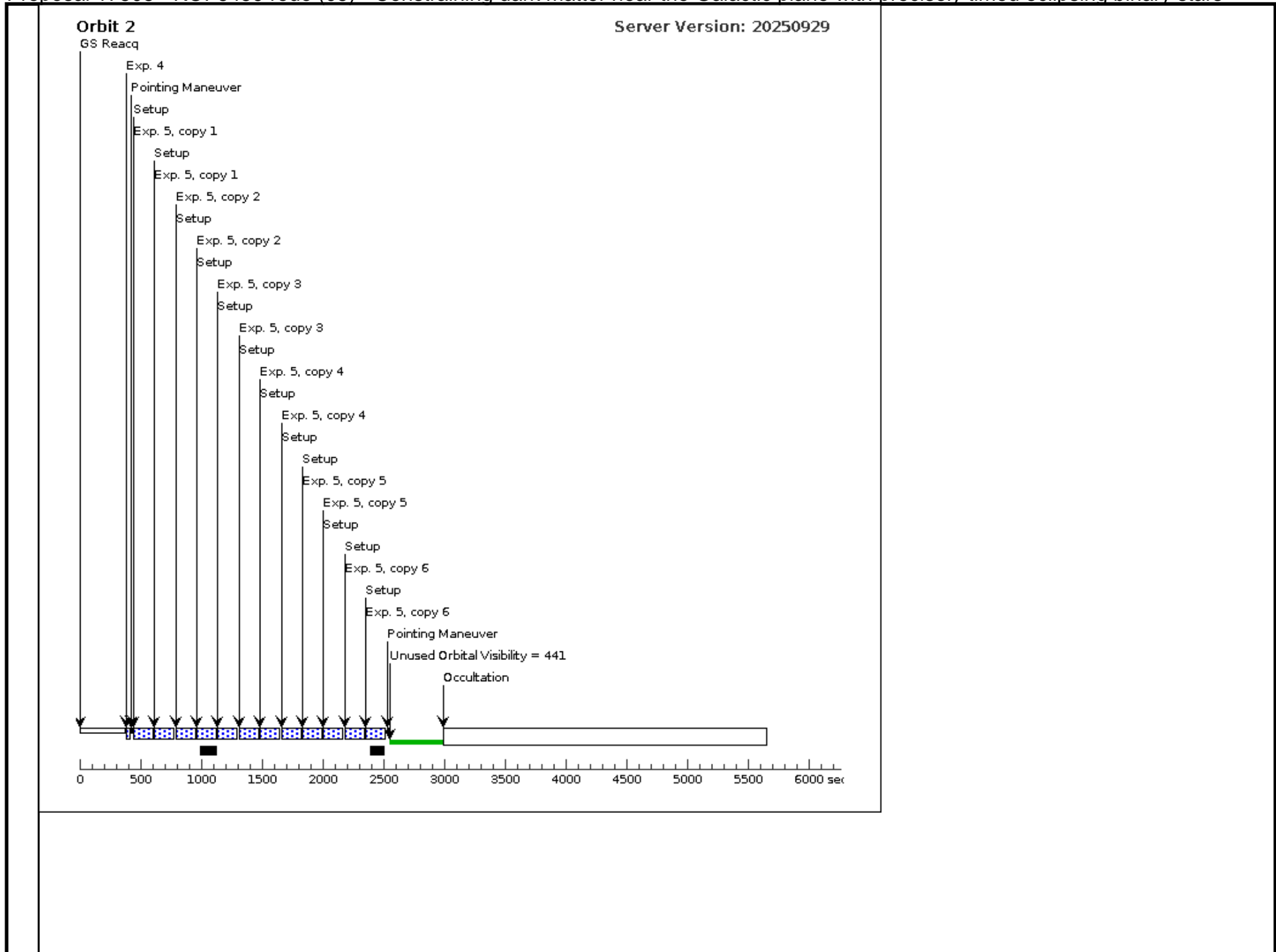
Proposal 17505 - KOI-6459 redo (05) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

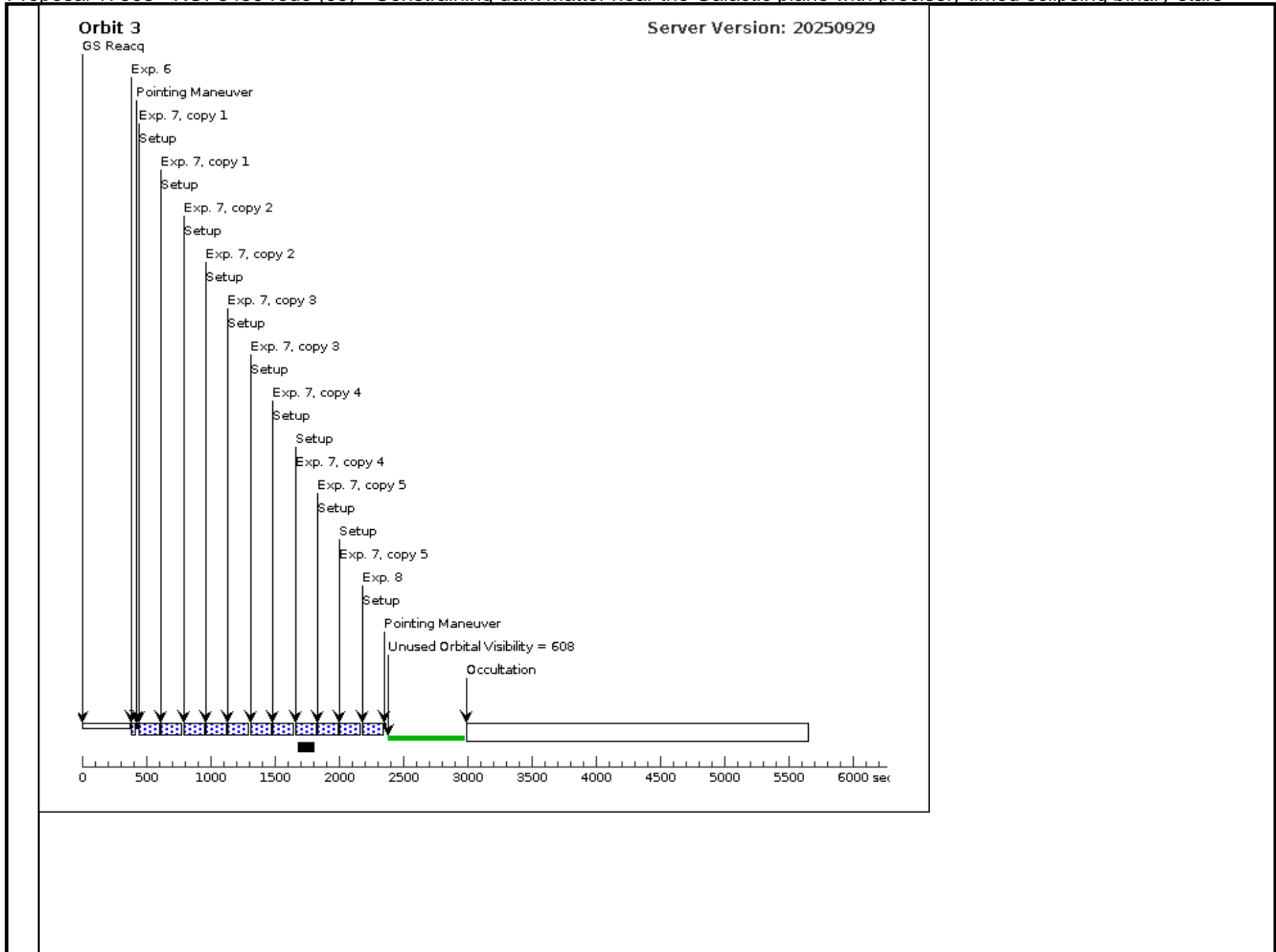
25	Scan	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,90.0 Degrees,Roun d trip	Sequence 24-26 Non -Int in KOI-6459 red o (05)	134.354049 Secs X 7 (1880.957 Secs)	[9]
								[==>(Copy 1, Forward)] [==>(Copy 1, Reverse)] [==>(Copy 2, Forward)] [==>(Copy 2, Reverse)] [==>(Copy 3, Forward)] [==>(Copy 3, Reverse)] [==>(Copy 4, Forward)] [==>(Copy 4, Reverse)] [==>(Copy 5, Forward)] [==>(Copy 5, Reverse)] [==>(Copy 6, Forward)] [==>(Copy 6, Reverse)] [==>(Copy 7, Forward)] [==>(Copy 7, Reverse)]	
26	Scan Once	(5) KOI-6459	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=7; SAMP-SEQ=SPAR S25	SPATIAL SCAN 0.0 4,90.0 Degrees,Forw ard	Sequence 24-26 Non -Int in KOI-6459 red o (05)	134.354049 Secs (134.354 Secs)	[9]
								[==>]	

Orbit Structure

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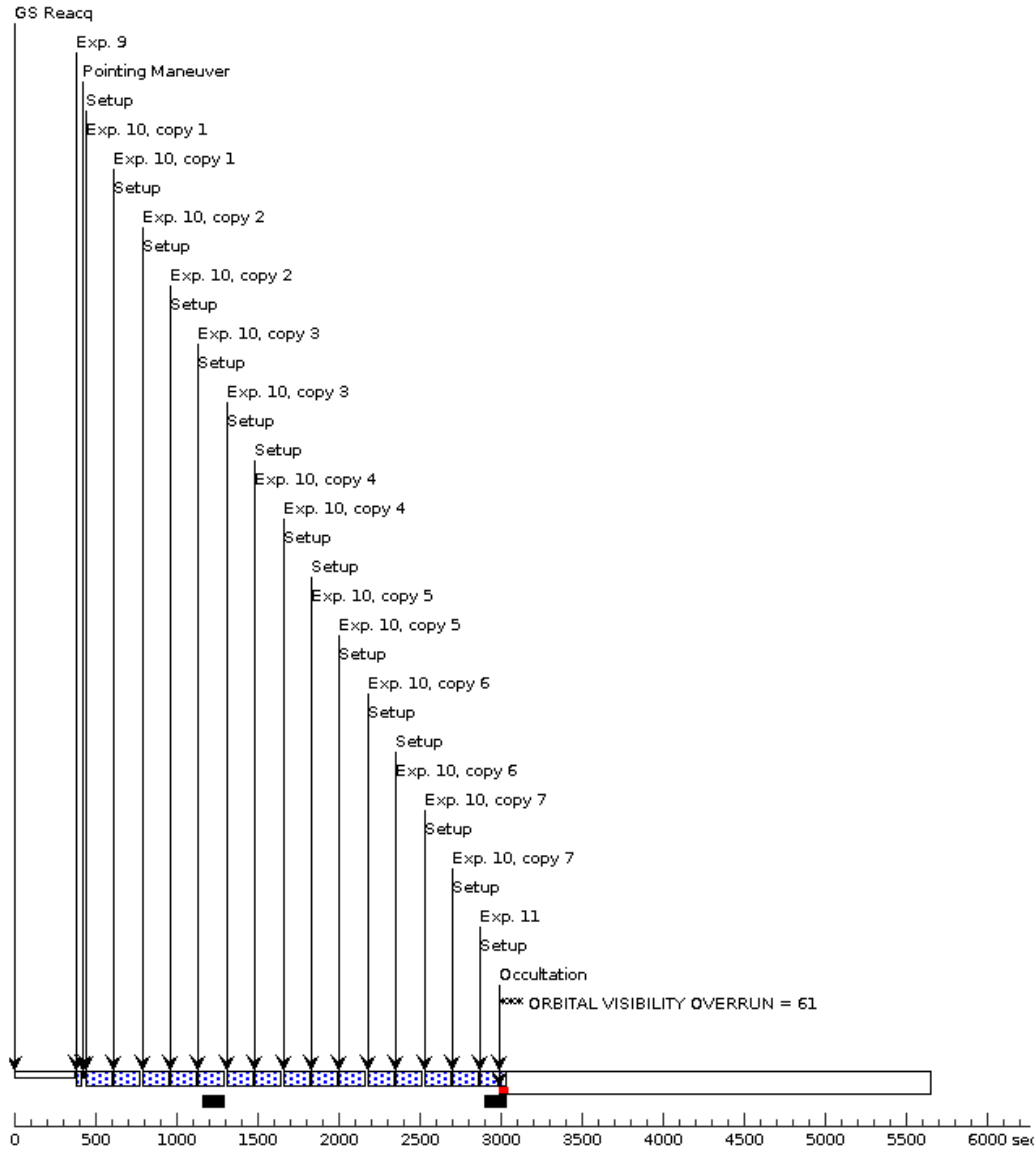


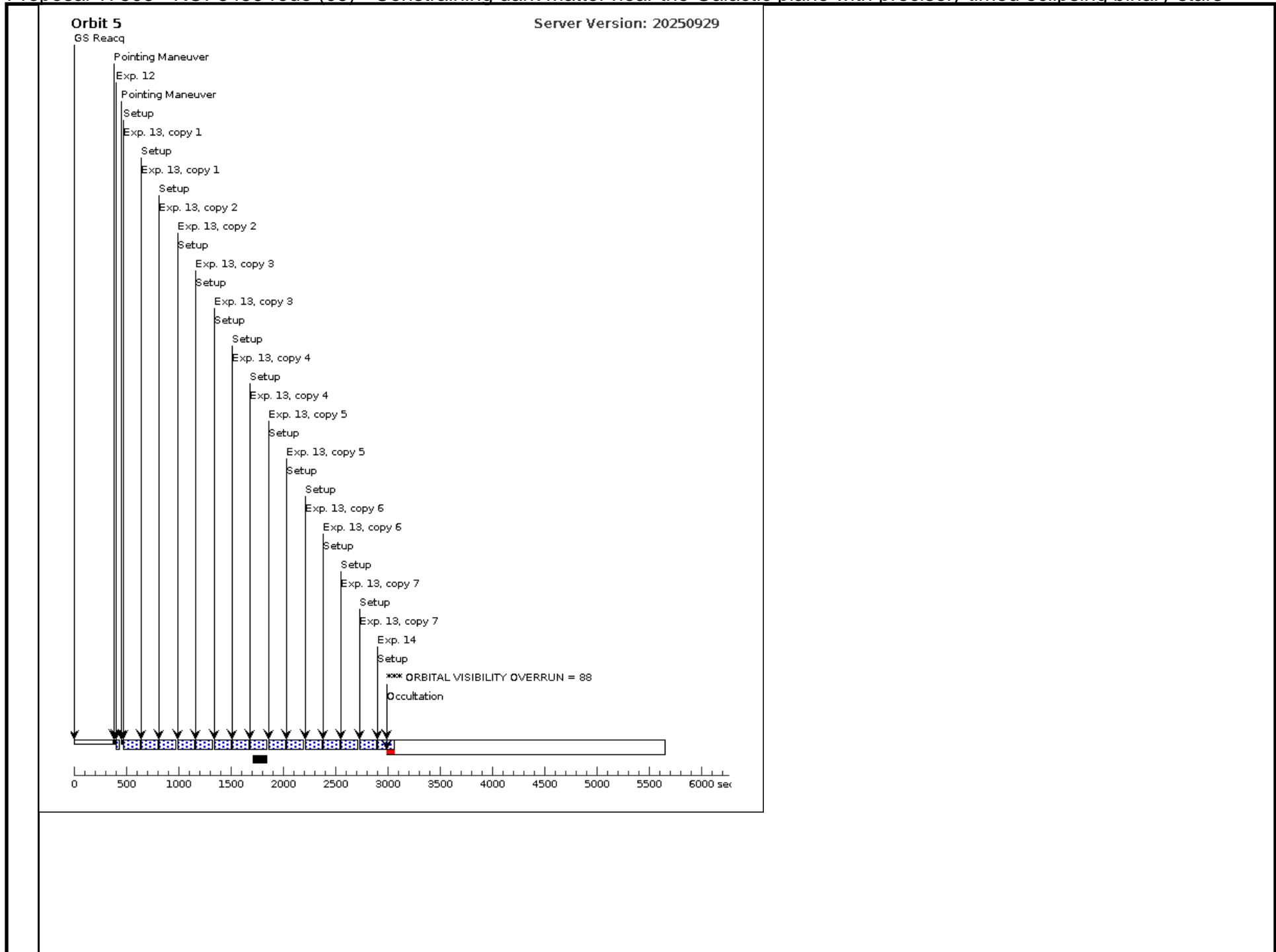




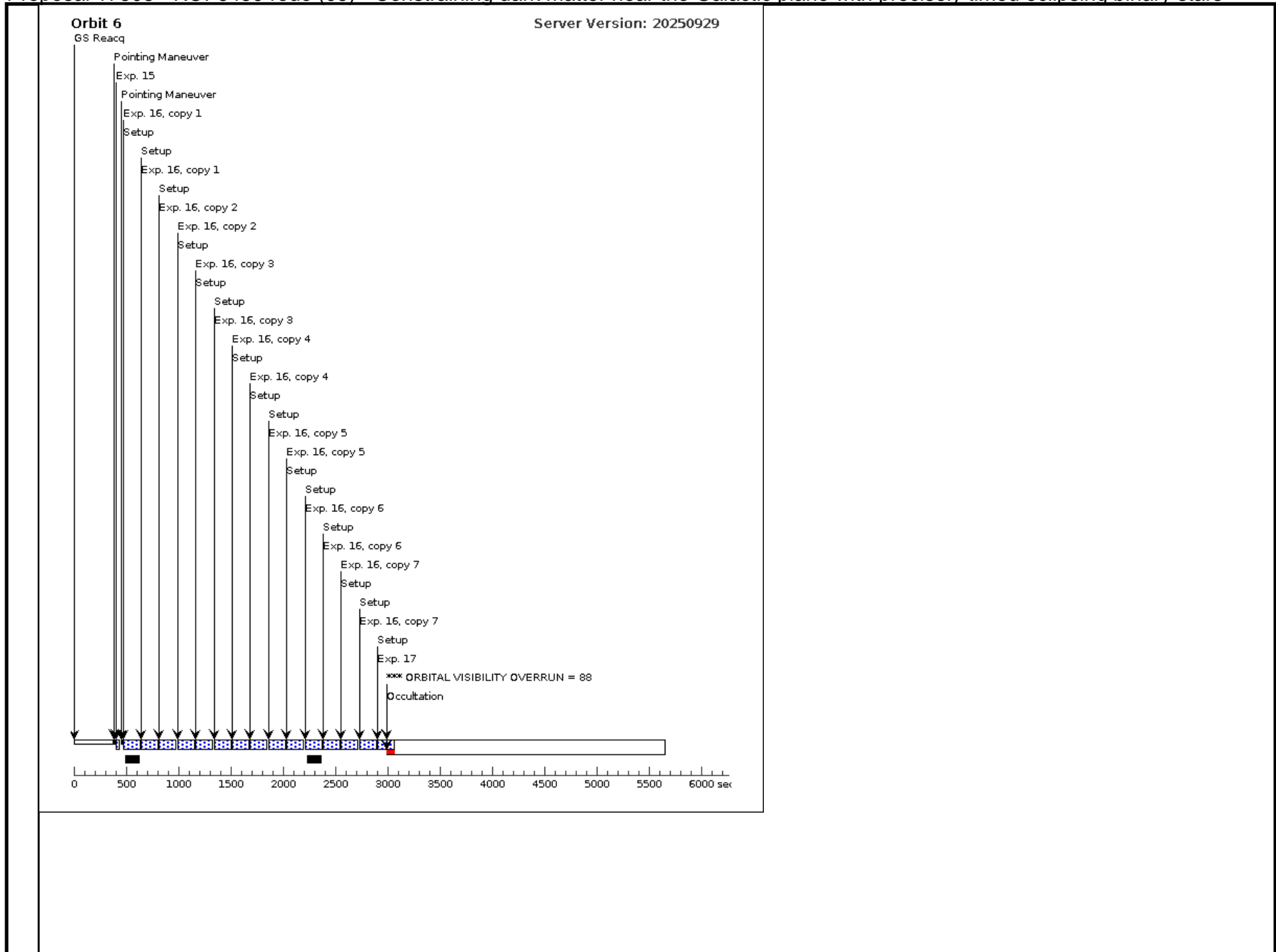
Server Version: 20250929

Orbit 4

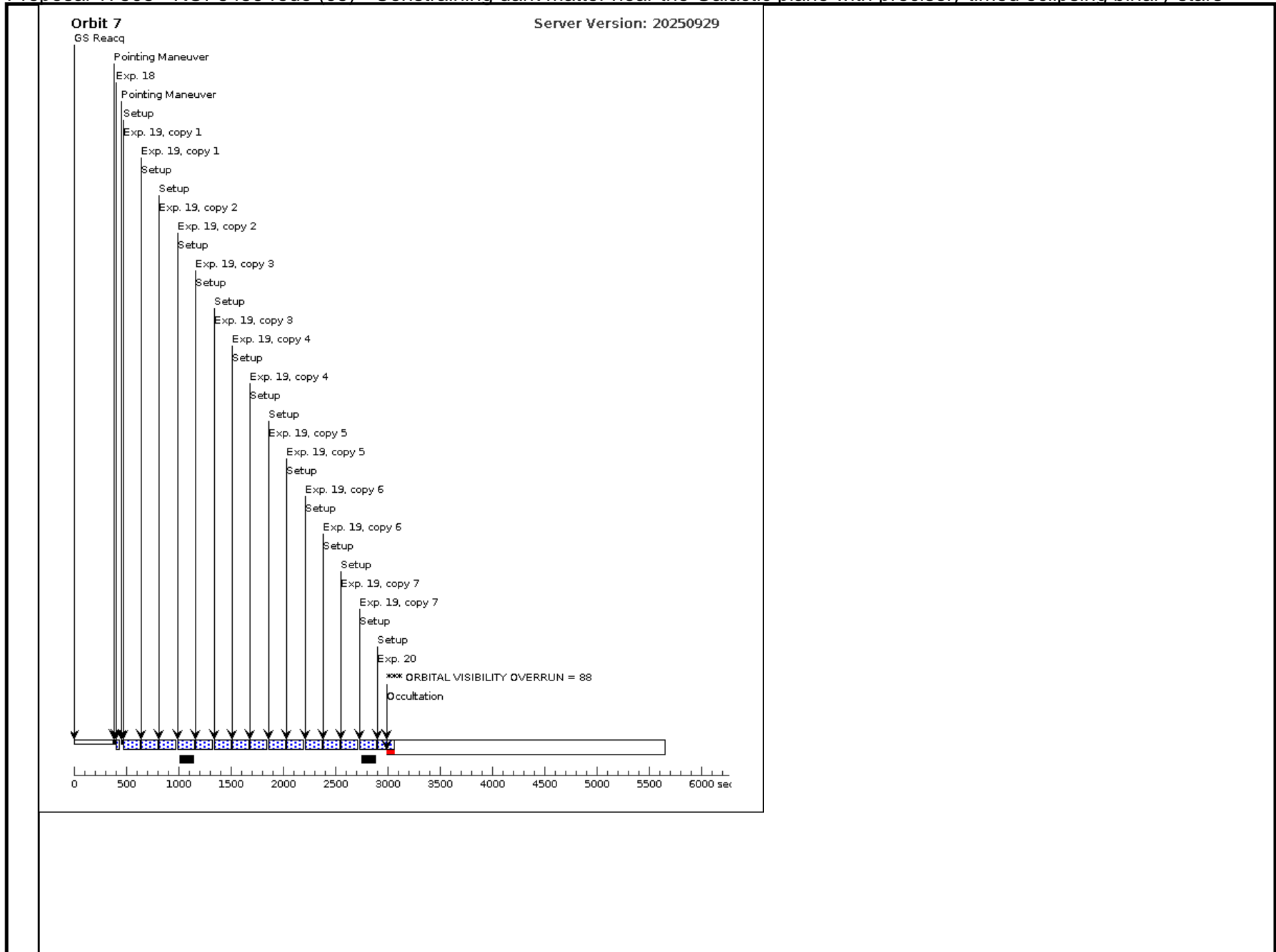




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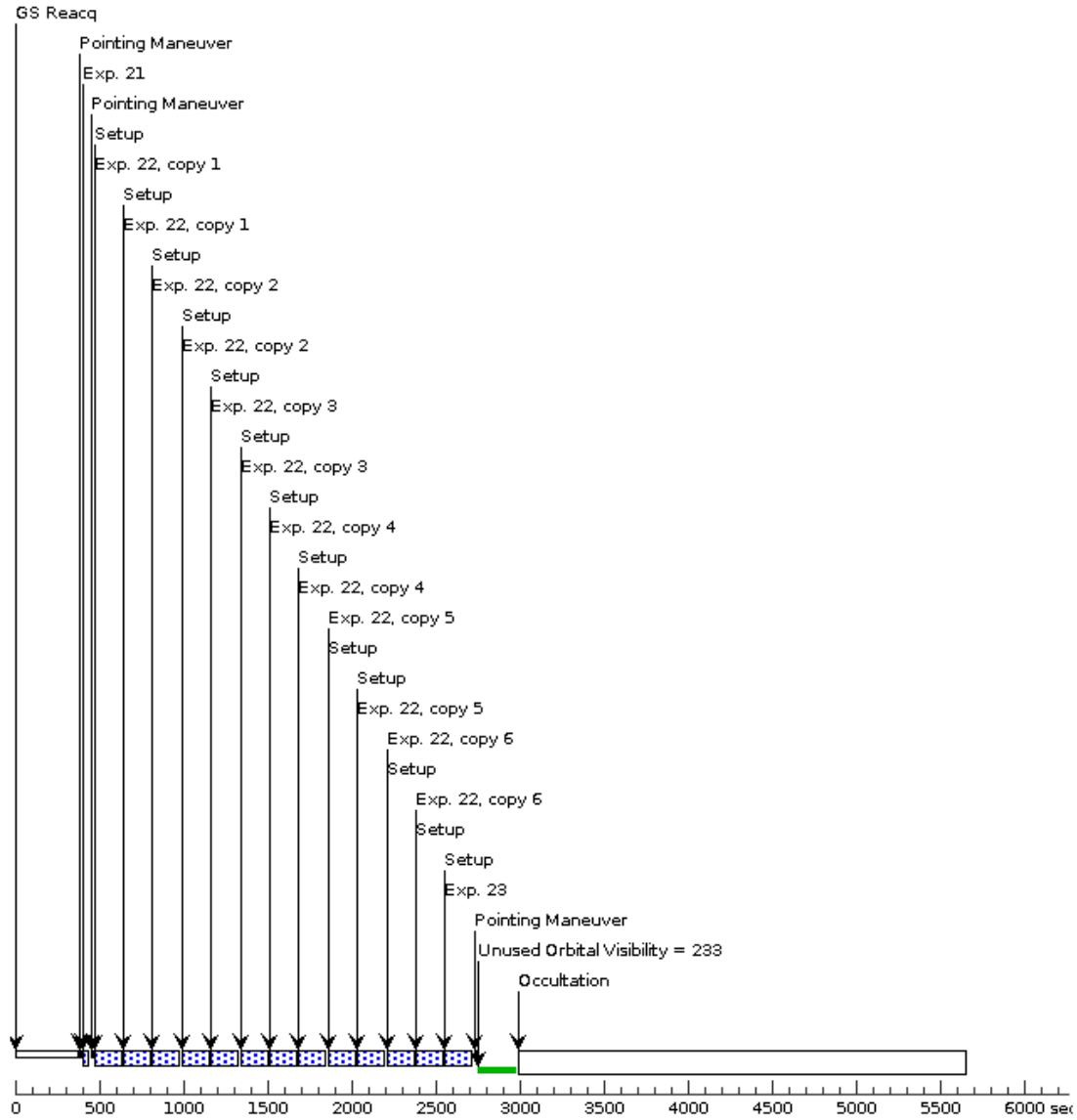


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Orbit 8



Proposal 17505 - KOI-6459 redo (05) - Constraining dark matter near the Galactic plane with precisely timed eclipsing binary stars

