



## 18124 - Logos-Zoe: a triple or quadruple trans-Neptunian system?

Cycle: 33, Proposal Category: GO

(Availability Mode: SUPPORTED)

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>
<b>Dr. Audrey Thirouin (PI) (Contact)</b>	<b>Lowell Observatory</b>
Dr. Keith S. Noll (CoI)	Planetary Science Institute
Dr. Will M. Grundy (CoI)	Northern Arizona University
Dr. Scott Sander Sheppard (CoI)	Carnegie Institution of Washington

### 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) LOGOS	WFC3/UVIS	1	25-Feb-2026 15:00:14.0	yes
02	(1) LOGOS	WFC3/UVIS	1	25-Feb-2026 15:00:15.0	yes
03	(1) LOGOS	WFC3/UVIS	1	25-Feb-2026 15:00:16.0	yes
04	(1) LOGOS	WFC3/UVIS	1	25-Feb-2026 15:00:17.0	yes
05	(1) LOGOS	WFC3/UVIS	1	25-Feb-2026 15:00:17.0	yes
06	(1) LOGOS	WFC3/UVIS	1	25-Feb-2026 15:00:18.0	yes
07	(1) LOGOS	WFC3/UVIS	1	25-Feb-2026 15:00:19.0	yes
08	(1) LOGOS	WFC3/UVIS	1	25-Feb-2026 15:00:19.0	yes

8 Total Orbits Used

### ABSTRACT

Proposal 18124 (STScI Edit Number: 0, Created: Wednesday, February 25, 2026, 3:00:20PM Eastern Standard Time) - Overview

(58534) 1997 CQ29 (a.k.a Logos-Zoe) is a dynamically Cold Classical system in the trans-Neptunian belt. The primary, Logos, and its satellite, Zoe, have similar brightness inferring a nearly equal-sized binary. Based on Hubble Space Telescope (HST) images obtained since 2001, it has been noticed that both system's components have large lightcurve variabilities on very different timescales. Logos' variability is over a short-time scale of hours whereas Zoe's variability seems to be on a long-time scale of days to months. New ground-based observations obtained over five years with 4 to 6-m class telescopes have proven that this system is more complicated than initially thought. Logos is a high mass ratio contact binary with a rotational period of about 17 hours. But, despite five years of unresolved ground-based observations, the rotational period of Zoe remains unknown. The brightness variation of Zoe is consistent with a highly elongated object or even a contact binary based on HST images. We request eight non-consecutive orbits to observe the Logos-Zoe system to 1) constrain the rotational lightcurve of Zoe inferring its rotational period and shape, 2) update the mutual orbit determination, 3) model and predict the upcoming mutual events season of this highly complex system, and 4) challenge the current formation models for binary/multiple systems. The Logos-Zoe mutual event season will start in 2026 and will end in 2029 with only up to two events per year, implying that we are running out of time to characterize this system. The next mutual event season will be in 151 years, therefore, this is the only chance in our lifetimes to understand this system.

## **OBSERVING DESCRIPTION**

We aim to constrain the rotational properties (rotational period and shape) of the satellite Zoe. We will also update the mutual orbit determination to improve the mutual events season prediction.

Proposal 18124 - LogosZoe (01) - Logos-Zoe: a triple or quadruple trans-Neptunian system?

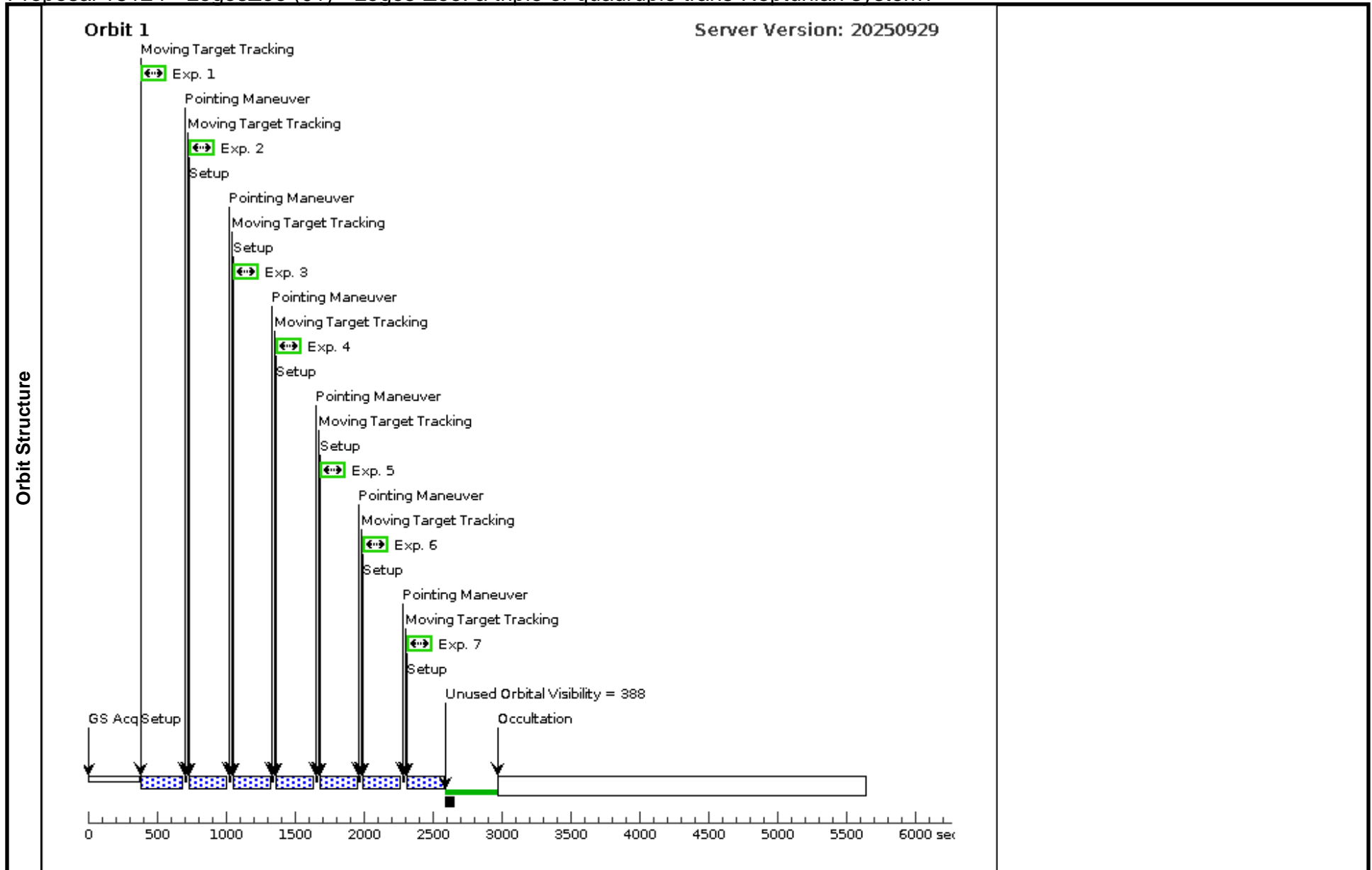
Wed Feb 25 20:00:20 GMT 2026

<b>Visit</b>	<b>Proposal 18124, LogosZoe (01), completed</b> <b>Diagnostic Status: Informational</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 26-JAN-2026:00:00:00 AND 27-JAN-2026:00:00:00

<b>Diagnostics</b>	(LogosZoe (01)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.
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<b>Solar System Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Level 1</th> <th>Level 2</th> <th>Level 3</th> <th>Window</th> <th>Ephem Center</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>LOGOS</td> <td>TYPE=ASTEROID,A=45.42219223977799,E=0.1237573151409189,I=2.895362234339929,O=132.5091420103192,W=337.5035420772433,M=-55.68419386030521,EQUINOX=J2000,EPOCH=10-FEB-2014:00:00:00,EpochTimeScale=TDB</td> <td></td> <td></td> <td></td> <td>EARTH</td> </tr> </tbody> </table> <p><i>Comments: Description=Trans-Neptunian system Extended=NO</i></p>	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(1)	LOGOS	TYPE=ASTEROID,A=45.42219223977799,E=0.1237573151409189,I=2.895362234339929,O=132.5091420103192,W=337.5035420772433,M=-55.68419386030521,EQUINOX=J2000,EPOCH=10-FEB-2014:00:00:00,EpochTimeScale=TDB				EARTH
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center								
(1)	LOGOS	TYPE=ASTEROID,A=45.42219223977799,E=0.1237573151409189,I=2.895362234339929,O=132.5091420103192,W=337.5035420772433,M=-55.68419386030521,EQUINOX=J2000,EPOCH=10-FEB-2014:00:00:00,EpochTimeScale=TDB				EARTH									

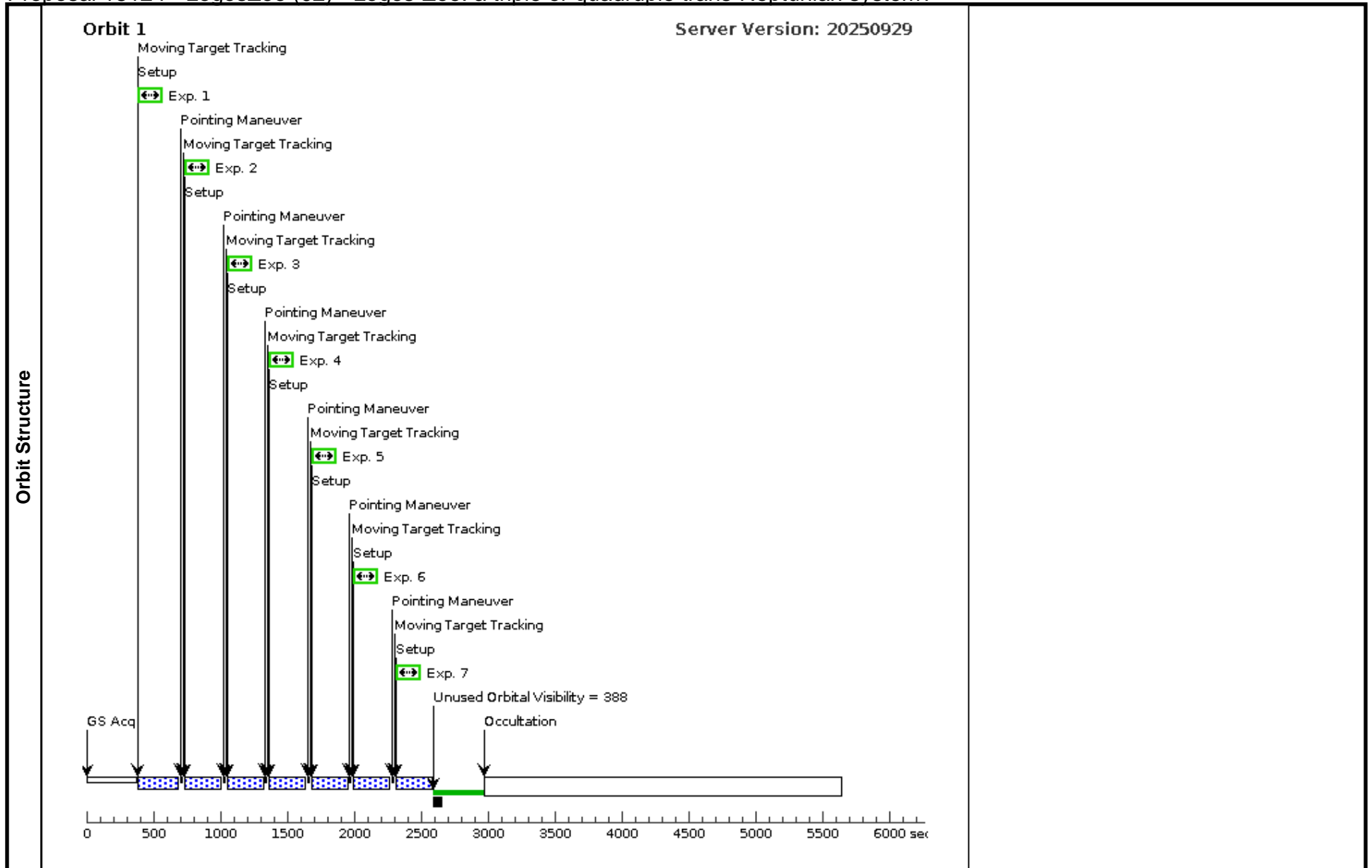
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) LOGOS		WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0,0	Sequence 1-7 Non-Int in LogosZoe (01)	230 Secs (230 Secs) [==>]	[1]
	2	(1) LOGOS		WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.0894,0.3341	Sequence 1-7 Non-Int in LogosZoe (01)	230 Secs (230 Secs) [==>]	[1]
	3	(1) LOGOS		WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.1785,0.1908	Sequence 1-7 Non-Int in LogosZoe (01)	230 Secs (230 Secs) [==>]	[1]
	4	(1) LOGOS		WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.2679,0.5249	Sequence 1-7 Non-Int in LogosZoe (01)	230 Secs (230 Secs) [==>]	[1]
	5	(1) LOGOS		WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.3173,0.3591	Sequence 1-7 Non-Int in LogosZoe (01)	230 Secs (230 Secs) [==>]	[1]
	6	(1) LOGOS		WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.4100,0.6967	Sequence 1-7 Non-Int in LogosZoe (01)	230 Secs (230 Secs) [==>]	[1]
	7	(1) LOGOS		WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.5024,0.5158	Sequence 1-7 Non-Int in LogosZoe (01)	230 Secs (230 Secs) [==>]	[1]



Proposal 18124 - LogosZoe (02) - Logos-Zoe: a triple or quadruple trans-Neptunian system?

Wed Feb 25 20:00:20 GMT 2026

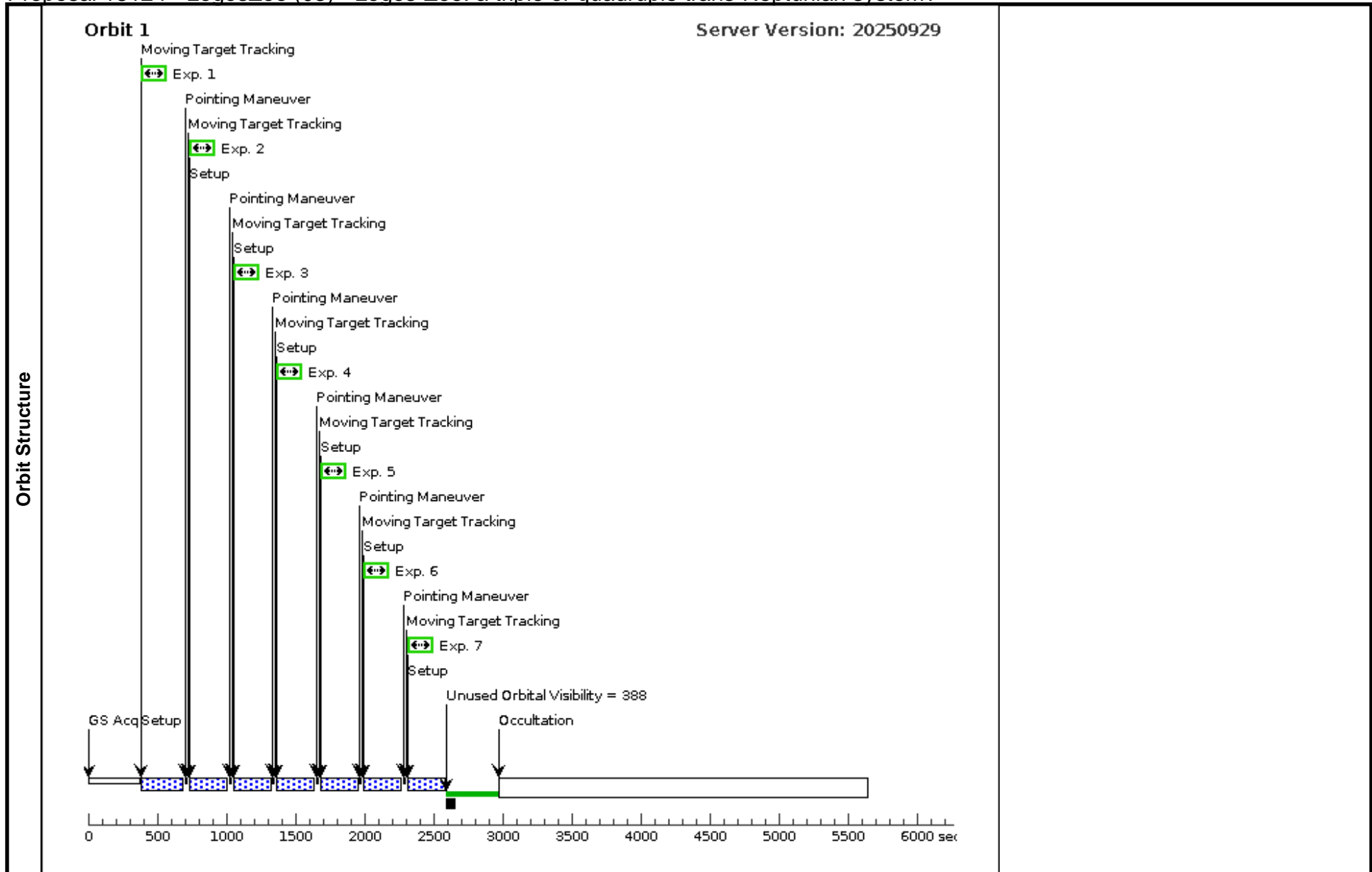
<b>Visit</b>	<b>Proposal 18124, LogosZoe (02), completed</b> <b>Diagnostic Status: Informational</b> Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 01 BY 26.4 H TO 40.8 H									
	(LogosZoe (02)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Window</b>	<b>Ephem Center</b>			
	(1)	LOGOS	TYPE=ASTEROID,A=45.4221922397 7799,E=0.1237573151409189,I=2.895 362234339929 ,O=132.5091420103192,W=337.50354 20772433,M=-55.68419386030521,EQ UINOX=J2000,EPOCH=10-FEB- 2014:00:00:00,EpochTimeScale=TDB					EARTH		
<i>Comments: Description=Trans-Neptunian system Extended=NO</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0,0	Sequence 1-7 Non-Int in LogosZoe (02)	230 Secs (230 Secs) [==>]	[1]
	2	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.0894,0 .3341	Sequence 1-7 Non-Int in LogosZoe (02)	230 Secs (230 Secs) [==>]	[1]
	3	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.1785,0 .1908	Sequence 1-7 Non-Int in LogosZoe (02)	230 Secs (230 Secs) [==>]	[1]
	4	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.2679,0 .5249	Sequence 1-7 Non-Int in LogosZoe (02)	230 Secs (230 Secs) [==>]	[1]
	5	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.3173,0 .3591	Sequence 1-7 Non-Int in LogosZoe (02)	230 Secs (230 Secs) [==>]	[1]
	6	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.4100,0 .6967	Sequence 1-7 Non-Int in LogosZoe (02)	230 Secs (230 Secs) [==>]	[1]
	7	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.5024,0 .5158	Sequence 1-7 Non-Int in LogosZoe (02)	230 Secs (230 Secs) [==>]	[1]



Proposal 18124 - LogosZoe (03) - Logos-Zoe: a triple or quadruple trans-Neptunian system?

Wed Feb 25 20:00:20 GMT 2026

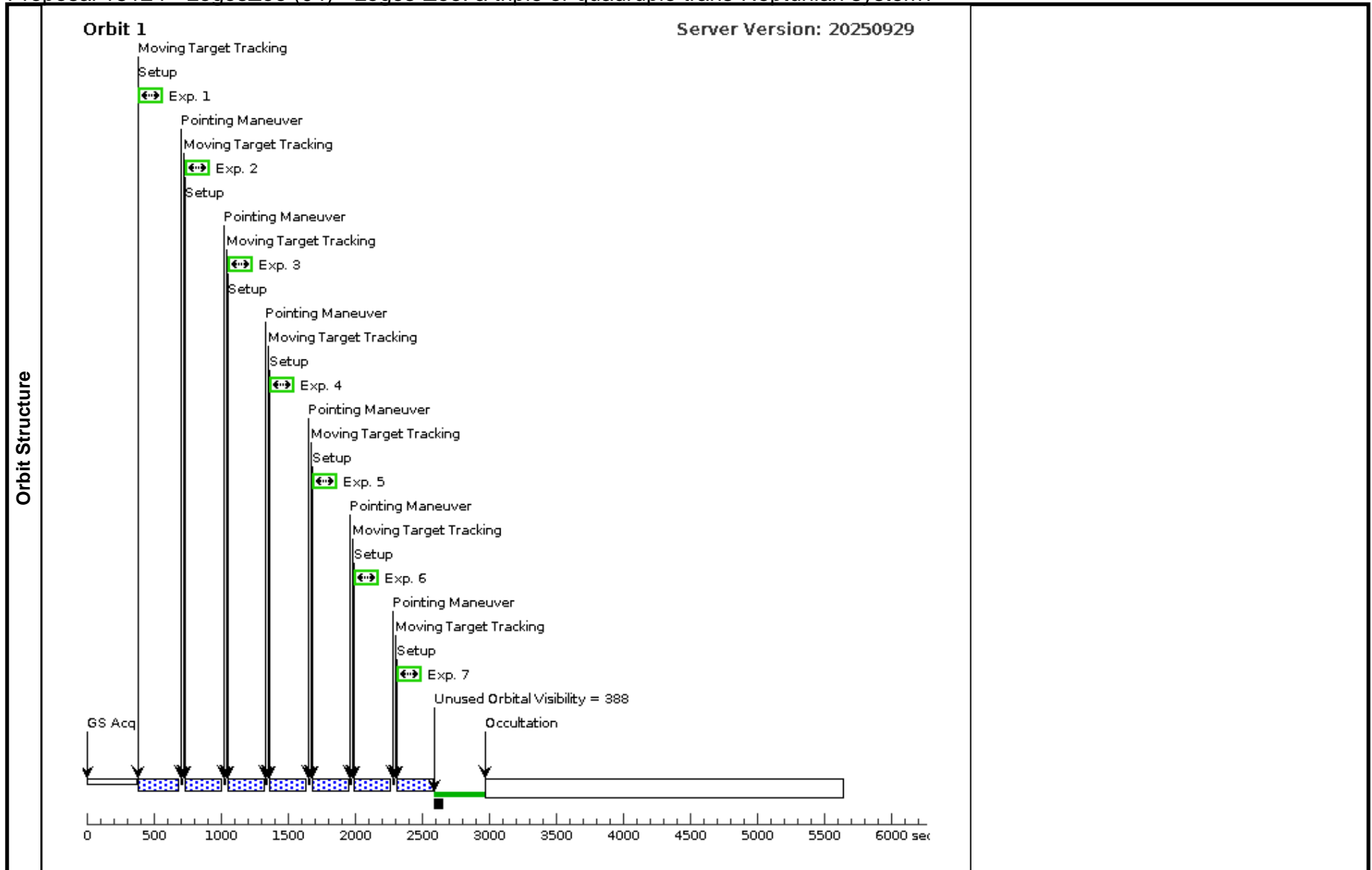
<b>Visit</b>	<b>Proposal 18124, LogosZoe (03), completed</b> <b>Diagnostic Status: Informational</b> Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 01 BY 48 H TO 62.4 H									
	(LogosZoe (03)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Window</b>	<b>Ephem Center</b>			
	(1)	LOGOS	TYPE=ASTEROID,A=45.4221922397 7799,E=0.1237573151409189,I=2.895 362234339929 ,O=132.5091420103192,W=337.50354 20772433,M=-55.68419386030521,EQ UINOX=J2000,EPOCH=10-FEB- 2014:00:00:00,EpochTimeScale=TDB					EARTH		
<i>Comments: Description=Trans-Neptunian system Extended=NO</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0,0	Sequence 1-7 Non-Int in LogosZoe (03)	230 Secs (230 Secs) [==>]	[1]
	2	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.0894,0 .3341	Sequence 1-7 Non-Int in LogosZoe (03)	230 Secs (230 Secs) [==>]	[1]
	3	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.1785,0 .1908	Sequence 1-7 Non-Int in LogosZoe (03)	230 Secs (230 Secs) [==>]	[1]
	4	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.2679,0 .5249	Sequence 1-7 Non-Int in LogosZoe (03)	230 Secs (230 Secs) [==>]	[1]
	5	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.3173,0 .3591	Sequence 1-7 Non-Int in LogosZoe (03)	230 Secs (230 Secs) [==>]	[1]
	6	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.4100,0 .6967	Sequence 1-7 Non-Int in LogosZoe (03)	230 Secs (230 Secs) [==>]	[1]
	7	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.5024,0 .5158	Sequence 1-7 Non-Int in LogosZoe (03)	230 Secs (230 Secs) [==>]	[1]



Proposal 18124 - LogosZoe (04) - Logos-Zoe: a triple or quadruple trans-Neptunian system?

Wed Feb 25 20:00:20 GMT 2026

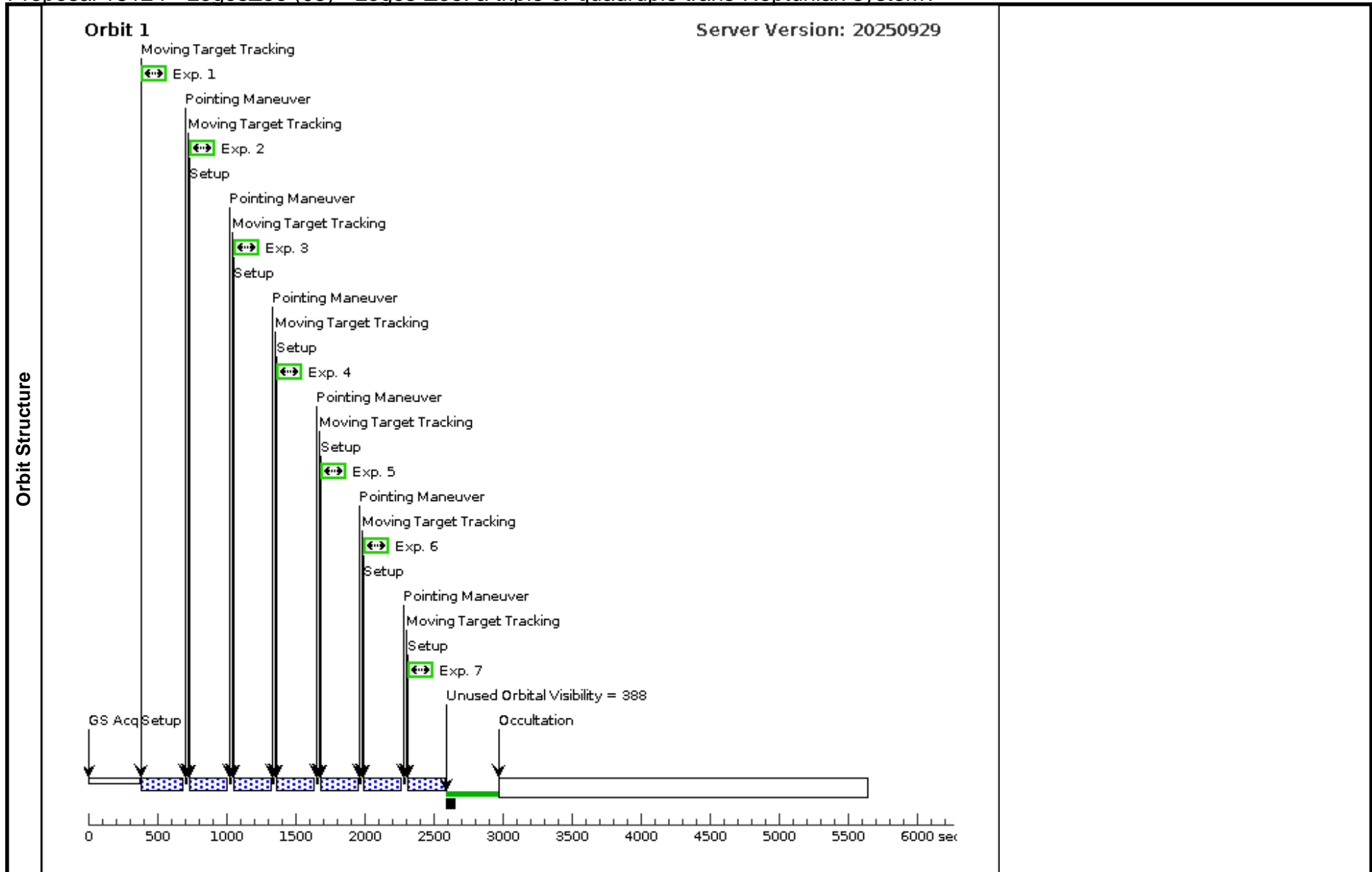
<b>Visit</b>	<b>Proposal 18124, LogosZoe (04), completed</b> <b>Diagnostic Status: Informational</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 31-JAN-2026:14:23:00 AND 01-FEB-2026:10:00:00									
	(LogosZoe (04)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Window</b>	<b>Ephem Center</b>			
	(1)	LOGOS	TYPE=ASTEROID,A=45.4221922397 7799,E=0.1237573151409189,I=2.895 362234339929 ,O=132.5091420103192,W=337.50354 20772433,M=-55.68419386030521,EQ UINOX=J2000,EPOCH=10-FEB- 2014:00:00:00,EpochTimeScale=TDB					EARTH		
<i>Comments: Description=Trans-Neptunian system Extended=NO</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0,0	Sequence 1-7 Non-Int in LogosZoe (04)	230 Secs (230 Secs) [==>]	[1]
	2	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.0894,0 .3341	Sequence 1-7 Non-Int in LogosZoe (04)	230 Secs (230 Secs) [==>]	[1]
	3	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.1785,0 .1908	Sequence 1-7 Non-Int in LogosZoe (04)	230 Secs (230 Secs) [==>]	[1]
	4	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.2679,0 .5249	Sequence 1-7 Non-Int in LogosZoe (04)	230 Secs (230 Secs) [==>]	[1]
	5	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.3173,0 .3591	Sequence 1-7 Non-Int in LogosZoe (04)	230 Secs (230 Secs) [==>]	[1]
	6	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.4100,0 .6967	Sequence 1-7 Non-Int in LogosZoe (04)	230 Secs (230 Secs) [==>]	[1]
	7	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.5024,0 .5158	Sequence 1-7 Non-Int in LogosZoe (04)	230 Secs (230 Secs) [==>]	[1]



Proposal 18124 - LogosZoe (05) - Logos-Zoe: a triple or quadruple trans-Neptunian system?

Wed Feb 25 20:00:20 GMT 2026

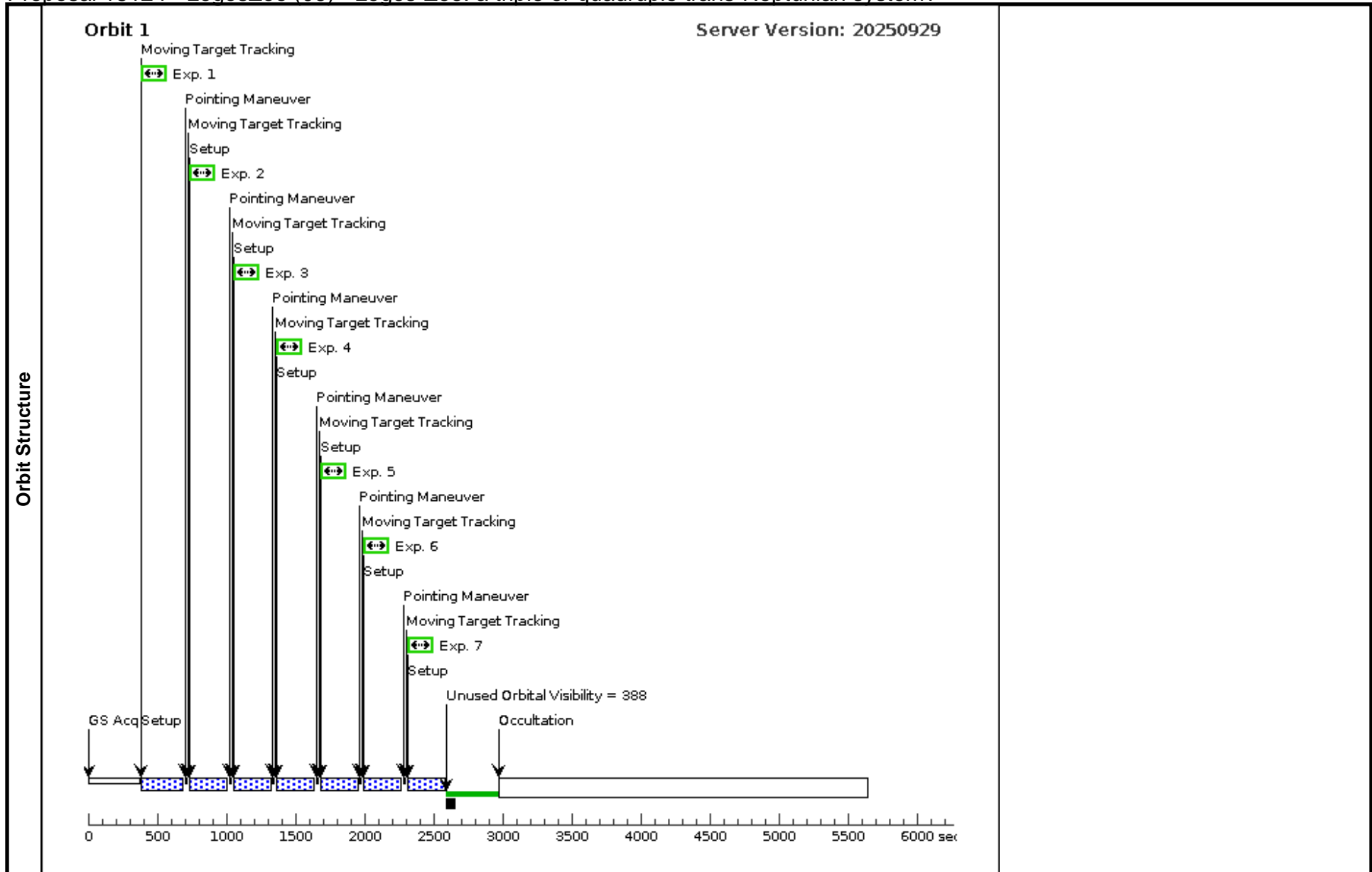
<b>Visit</b>	<b>Proposal 18124, LogosZoe (05), completed</b> <b>Diagnostic Status: Informational</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 10-FEB-2026:00:00:00 AND 11-FEB-2026:02:41:00									
	(LogosZoe (05)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Window</b>	<b>Ephem Center</b>			
	(1)	LOGOS	TYPE=ASTEROID,A=45.4221922397 7799,E=0.1237573151409189,I=2.895 362234339929 ,O=132.5091420103192,W=337.50354 20772433,M=55.68419386030521,EQ UINOX=J2000,EPOCH=10-FEB- 2014:00:00:00,EpochTimeScale=TDB					EARTH		
<i>Comments: Description=Trans-Neptunian system Extended=NO</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0,0	Sequence 1-7 Non-Int in LogosZoe (05)	230 Secs (230 Secs) [==>]	[1]
	2	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.0894,0 .3341	Sequence 1-7 Non-Int in LogosZoe (05)	230 Secs (230 Secs) [==>]	[1]
	3	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.1785,0 .1908	Sequence 1-7 Non-Int in LogosZoe (05)	230 Secs (230 Secs) [==>]	[1]
	4	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.2679,0 .5249	Sequence 1-7 Non-Int in LogosZoe (05)	230 Secs (230 Secs) [==>]	[1]
	5	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.3173,0 .3591	Sequence 1-7 Non-Int in LogosZoe (05)	230 Secs (230 Secs) [==>]	[1]
	6	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.4100,0 .6967	Sequence 1-7 Non-Int in LogosZoe (05)	230 Secs (230 Secs) [==>]	[1]
	7	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.5024,0 .5158	Sequence 1-7 Non-Int in LogosZoe (05)	230 Secs (230 Secs) [==>]	[1]



Proposal 18124 - LogosZoe (06) - Logos-Zoe: a triple or quadruple trans-Neptunian system?

Wed Feb 25 20:00:20 GMT 2026

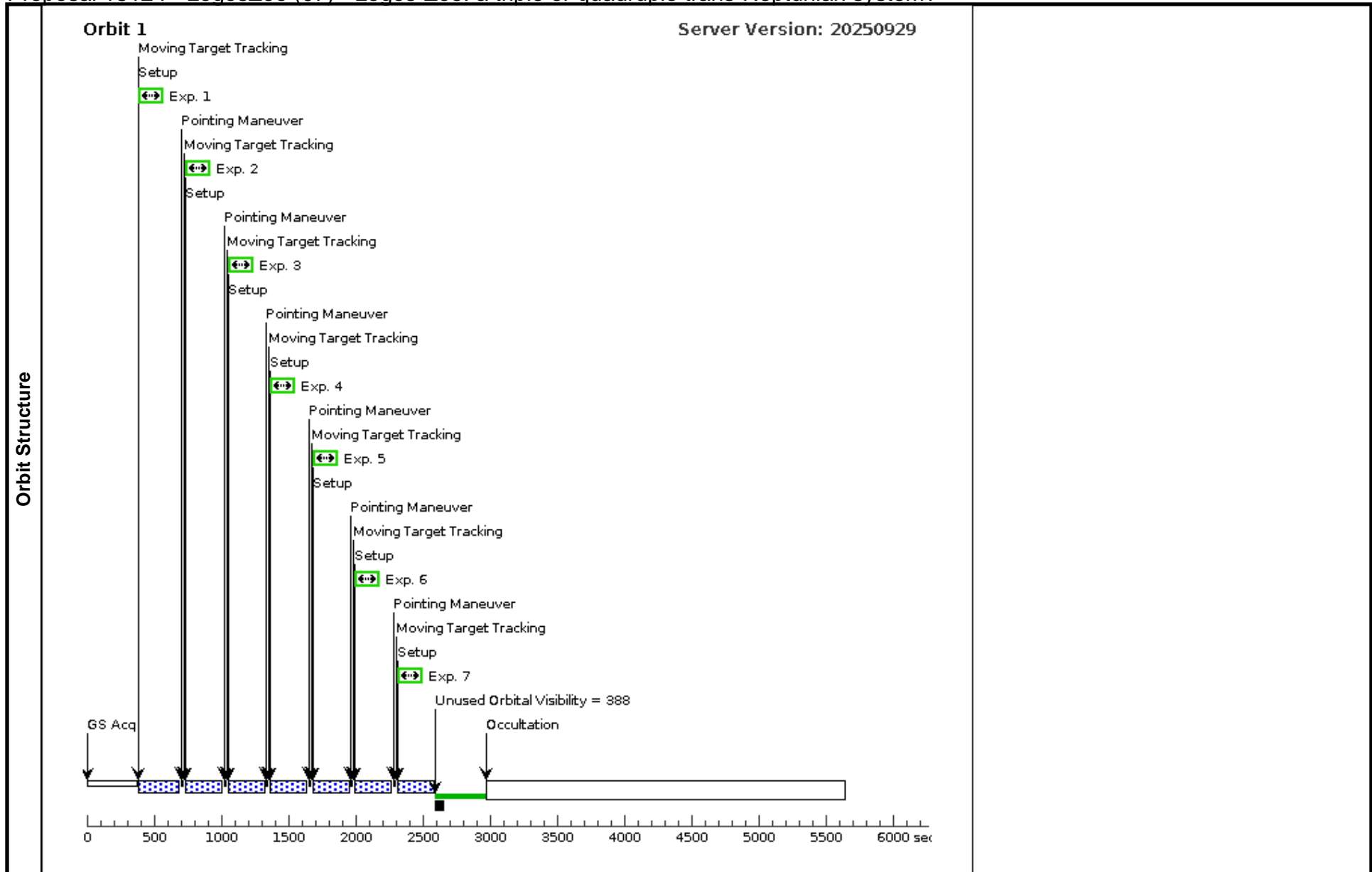
<b>Visit</b>	<b>Proposal 18124, LogosZoe (06), pi</b> <b>Diagnostic Status: Informational</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 21-MAR-2026:00:00:00 AND 26-MAR-2026:14:00:00									
	(LogosZoe (06)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Window</b>	<b>Ephem Center</b>			
	(1)	LOGOS	TYPE=ASTEROID,A=45.4221922397 7799,E=0.1237573151409189,I=2.895 362234339929 ,O=132.5091420103192,W=337.50354 20772433,M=55.68419386030521,EQ UINOX=J2000,EPOCH=10-FEB- 2014:00:00:00,EpochTimeScale=TDB					EARTH		
<i>Comments: Description=Trans-Neptunian system Extended=NO</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0,0	Sequence 1-7 Non-Int in LogosZoe (06)	230 Secs (230 Secs) [==>]	[1]
	2	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.0894,0 .3341	Sequence 1-7 Non-Int in LogosZoe (06)	230 Secs (230 Secs) [==>]	[1]
	3	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.1785,0 .1908	Sequence 1-7 Non-Int in LogosZoe (06)	230 Secs (230 Secs) [==>]	[1]
	4	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.2679,0 .5249	Sequence 1-7 Non-Int in LogosZoe (06)	230 Secs (230 Secs) [==>]	[1]
	5	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.3173,0 .3591	Sequence 1-7 Non-Int in LogosZoe (06)	230 Secs (230 Secs) [==>]	[1]
	6	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.4100,0 .6967	Sequence 1-7 Non-Int in LogosZoe (06)	230 Secs (230 Secs) [==>]	[1]
	7	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.5024,0 .5158	Sequence 1-7 Non-Int in LogosZoe (06)	230 Secs (230 Secs) [==>]	[1]



Proposal 18124 - LogosZoe (07) - Logos-Zoe: a triple or quadruple trans-Neptunian system?

Wed Feb 25 20:00:20 GMT 2026

<b>Visit</b>	<b>Proposal 18124, LogosZoe (07), pi</b> <b>Diagnostic Status: Informational</b> Scientific Instruments: WFC3/UVIS Special Requirements: ON HOLD <i>On Hold Comments: The observing cadence will be re-worked after the first 5 visits and thus we put the following visits on hold for the moment.</i>									
	(LogosZoe (07)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Window</b>	<b>Ephem Center</b>			
	(1)	LOGOS	TYPE=ASTEROID,A=45.4221922397 7799,E=0.1237573151409189,I=2.895 362234339929 ,O=132.5091420103192,W=337.50354 20772433,M=-55.68419386030521,EQ UINOX=J2000,EPOCH=10-FEB- 2014:00:00:00,EpochTimeScale=TDB					EARTH		
<i>Comments: Description=Trans-Neptunian system Extended=NO</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0,0	Sequence 1-7 Non-Int in LogosZoe (07)	230 Secs (230 Secs) [==>]	[1]
	2	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.0894,0 .3341	Sequence 1-7 Non-Int in LogosZoe (07)	230 Secs (230 Secs) [==>]	[1]
	3	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.1785,0 .1908	Sequence 1-7 Non-Int in LogosZoe (07)	230 Secs (230 Secs) [==>]	[1]
	4	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.2679,0 .5249	Sequence 1-7 Non-Int in LogosZoe (07)	230 Secs (230 Secs) [==>]	[1]
	5	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.3173,0 .3591	Sequence 1-7 Non-Int in LogosZoe (07)	230 Secs (230 Secs) [==>]	[1]
	6	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.4100,0 .6967	Sequence 1-7 Non-Int in LogosZoe (07)	230 Secs (230 Secs) [==>]	[1]
	7	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.5024,0 .5158	Sequence 1-7 Non-Int in LogosZoe (07)	230 Secs (230 Secs) [==>]	[1]



Proposal 18124 - LogosZoe (08) - Logos-Zoe: a triple or quadruple trans-Neptunian system?

Wed Feb 25 20:00:20 GMT 2026

<b>Visit</b>	<b>Proposal 18124, LogosZoe (08), pi</b> <b>Diagnostic Status: Informational</b> Scientific Instruments: WFC3/UVIS Special Requirements: ON HOLD <i>On Hold Comments: The observing cadence will be re-worked after the first 5 visits and thus we put the following visits on hold for the moment.</i>									
	(LogosZoe (08)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
<b>Solar System Targets</b>	<b>#</b>	<b>Name</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Window</b>	<b>Ephem Center</b>			
	(1)	LOGOS	TYPE=ASTEROID,A=45.4221922397 7799,E=0.1237573151409189,I=2.895 362234339929 ,O=132.5091420103192,W=337.50354 20772433,M=-55.68419386030521,EQ UINOX=J2000,EPOCH=10-FEB- 2014:00:00:00,EpochTimeScale=TDB					EARTH		
<i>Comments: Description=Trans-Neptunian system Extended=NO</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0,0	Sequence 1-7 Non-Int in LogosZoe (08)	230 Secs (230 Secs) [==>]	[1]
	2	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.0894,0 .3341	Sequence 1-7 Non-Int in LogosZoe (08)	230 Secs (230 Secs) [==>]	[1]
	3	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.1785,0 .1908	Sequence 1-7 Non-Int in LogosZoe (08)	230 Secs (230 Secs) [==>]	[1]
	4	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.2679,0 .5249	Sequence 1-7 Non-Int in LogosZoe (08)	230 Secs (230 Secs) [==>]	[1]
	5	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.3173,0 .3591	Sequence 1-7 Non-Int in LogosZoe (08)	230 Secs (230 Secs) [==>]	[1]
	6	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.4100,0 .6967	Sequence 1-7 Non-Int in LogosZoe (08)	230 Secs (230 Secs) [==>]	[1]
	7	(1) LOGOS	(1) LOGOS	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F350LP		POS TARG 0.5024,0 .5158	Sequence 1-7 Non-Int in LogosZoe (08)	230 Secs (230 Secs) [==>]	[1]

