18152 - Monitoring Interstellar Object 3I/ATLAS Departing the Solar System

Cycle: 32, Proposal Category: GO/DD

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(3) 3I-ATLAS-OCT10	WFC3/UVIS	1	05-Mar-2026 11:00:14.0	yes
02	(4) 3I-ATLAS-NOV21	WFC3/UVIS	1	05-Mar-2026 11:00:15.0	yes
22	(5) 3I-ATLAS-DEC1	WFC3/UVIS	1	05-Mar-2026 11:00:15.0	yes
03	(5) 3I-ATLAS-DEC1	WFC3/UVIS	1	05-Mar-2026 11:00:15.0	yes
04	(6) 3I-ATLAS-DEC17	WFC3/UVIS	1	05-Mar-2026 11:00:16.0	yes
05	(6) 3I-ATLAS-DEC17	WFC3/UVIS	1	05-Mar-2026 11:00:16.0	yes
06	(7) 3I-ATLAS-DEC29	WFC3/UVIS	1	05-Mar-2026 11:00:16.0	yes
07	(8) 3I-ATLAS-JAN26	WFC3/UVIS	1	05-Mar-2026 11:00:16.0	yes
08	(8) 3I-ATLAS-JAN26	WFC3/UVIS	1	05-Mar-2026 11:00:17.0	yes
09	(9) 3I-ATLAS-MAR5	WFC3/UVIS	1	05-Mar-2026 11:00:17.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
10	(9) 3I-ATLAS-MAR5	WFC3/UVIS	1	05-Mar-2026 11:00:17.0	yes

11 Total Orbits Used

ABSTRACT

While numerical models predict a large population of interstellar objects (ISOs) in the interstellar neighborhood of the solar system, few have been found. Discovered in early July 2025, 3I/ATLAS is only the third ISO identified in our solar system, following 1I/`Oumuamua and 2I/Borisov. These ISOs exhibited distinct properties that remain poorly understood, possibly stemming from diverse origins in their parent circumplanetary systems or varying evolutionary stages. To better understand the ISO population, we propose ten HST DD orbits using the WFC3 camera with the F350LP filter to study 3I on its outbound heliocentric trajectory. Our primary scientific objectives are: (1) to obtain high-precision astrometry to evaluate nongravitational effects, (2) to monitor and resolve near-nucleus morphology, (3) to extract the nucleus signal to constrain its size, and (4) to search for potential fragments. No ground-based facility can achieve our goals because of HST's superior angular resolution, sensitivity, and imaging stability.

OBSERVING DESCRIPTION

We request ten DD orbits using HST/WFC3 with the F350LP filter to image 3I postperihelion. The broad F350LP filter provides maximum sensitivity to faint coma, enabling detailed study of 3I's near-nucleus dust morphology and better constraints on its nucleus. Individual exposures from the same orbit will be dithered and combined to facilitate the removal of background sources. 3I is projected close to the midplane of the Milky Way and the field star density is correspondingly high. Accurate photometry and astrometry will be obtained only by using multiple images to eliminate contamination by field objects. Similar techniques have been successfully applied to HST observations of 1I and 2I. We propose scheduling the ten orbits starting from late November 2025, when 3I emerges from the solar exclusion zone, with each visits spaced at heliocentric distance intervals of 0.5 au. The final orbit should be completed before the target reenters the solar exclusion zone in early May 2026. The time coverage and high-precision astrometry are both crucial for determining the trajectory of 3I and, in particular in determining the nongravitational acceleration and its heliocentric distance dependency. According to the WFC3 ETC, a single 260 s exposure achieves a signal-to-noise ratio (SNR) of 5 at V-band magnitude 26.5. In each orbit, five such exposures can be obtained. Combining these exposures will further increase the SNR by a factor of 2.2, corresponding to a gain of nearly 1 magnitude. Using the viewing geometry on 2025 December 1 as an example, a 1 km diameter bare nucleus with geometric albedo 0.04 is expected to have apparent magnitude V = 23, well within the capacity of HST. The combined HST image from the same orbit can be used to search for fragments down to 700 m in radius. JPL Horizons predicts the 1-sigma ephemeris uncertainty to be 10 at the time of the HST observations, small enough compared to the WFC3's field of view. As the target remains observable preperihelion, the ephemeris

uncertainty will further decrease. Astrometry from the proposed observations will also be included to update the orbit. The accuracy of the HST astrometric measurements is expected to be at the 0.1" level. Therefore, there is no concern to the HST pointing for the proposed program. We understand that we cannot control the spacecraft roll angle, meaning that we will not be able to optimize the orientation such that the tail is directed along the diagonal of the detector. However, WFC3's FOV is far larger than the apparent size of the target that we should obtain exquisite data regardless of the HST roll angle.

Visit

Proposal 18152, Visit 01, completed Thu Mar 05 16:00:17 GMT 2026

Diagnostic Status: Informational

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 30%; BETWEEN 24-NOV-2025:00:00:00 AND 06-DEC-2025:00:00:00

Diagnostics

(Visit 01) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Solar System Targets

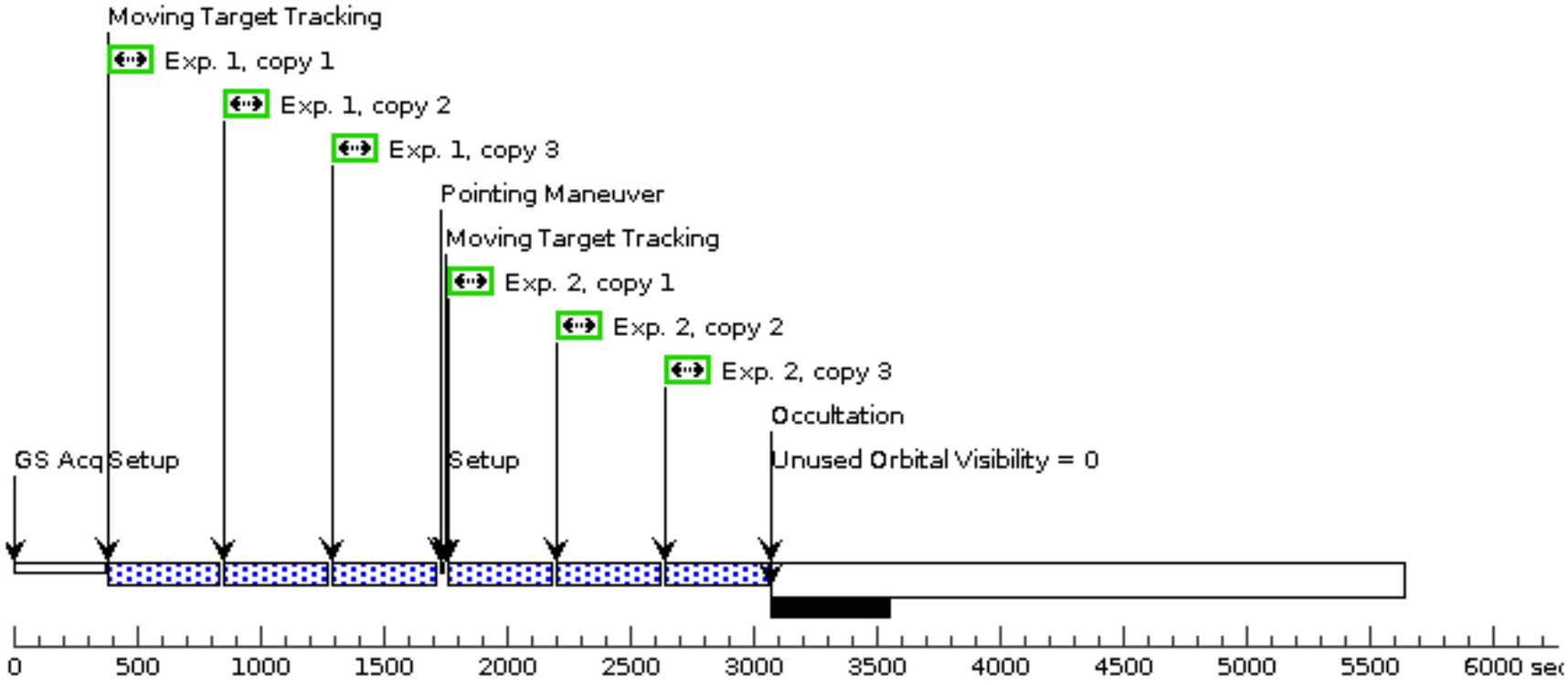
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(3)	3I-ATLAS-OCT10	TYPE=COMET,Q=1.3560655709967 96,E=6.137350157289094,I=175.1128 577937168 ,O=322.1522849649193,W=128.01160 82517727,T=29-OCT- 2025:11:36:17,TTimeScale=TDB,EQ UINOX=J2000,EPOCH=28-JUL- 2025:00:00:00,EpochTimeScale=TDB				EARTH

Comments: Description=interstellar object
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) 3I-ATLAS-OCT 10	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				260 Secs X 3 (780 Secs)	
								[==>(Copy 1)]	
								[==>(Copy 2)]	***[1]***
								[==>(Copy 3)]	
2		(3) 3I-ATLAS-OCT 10	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP		POS TARG 0.2,0.2		260 Secs X 3 (780 Secs)	
								[==>(Copy 1)]	
								[==>(Copy 2)]	***[1]***
								[==>(Copy 3)]	

Orbit Structure



Visit

Proposal 18152, Visit 02, withdrawn Thu Mar 05 16:00:17 GMT 2026

Diagnostic Status: Informational

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 30%; BETWEEN 08-DEC-2025:00:00:00 AND 15-DEC-2025:00:00:00

Diagnostics

(Visit 02) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Solar System Targets

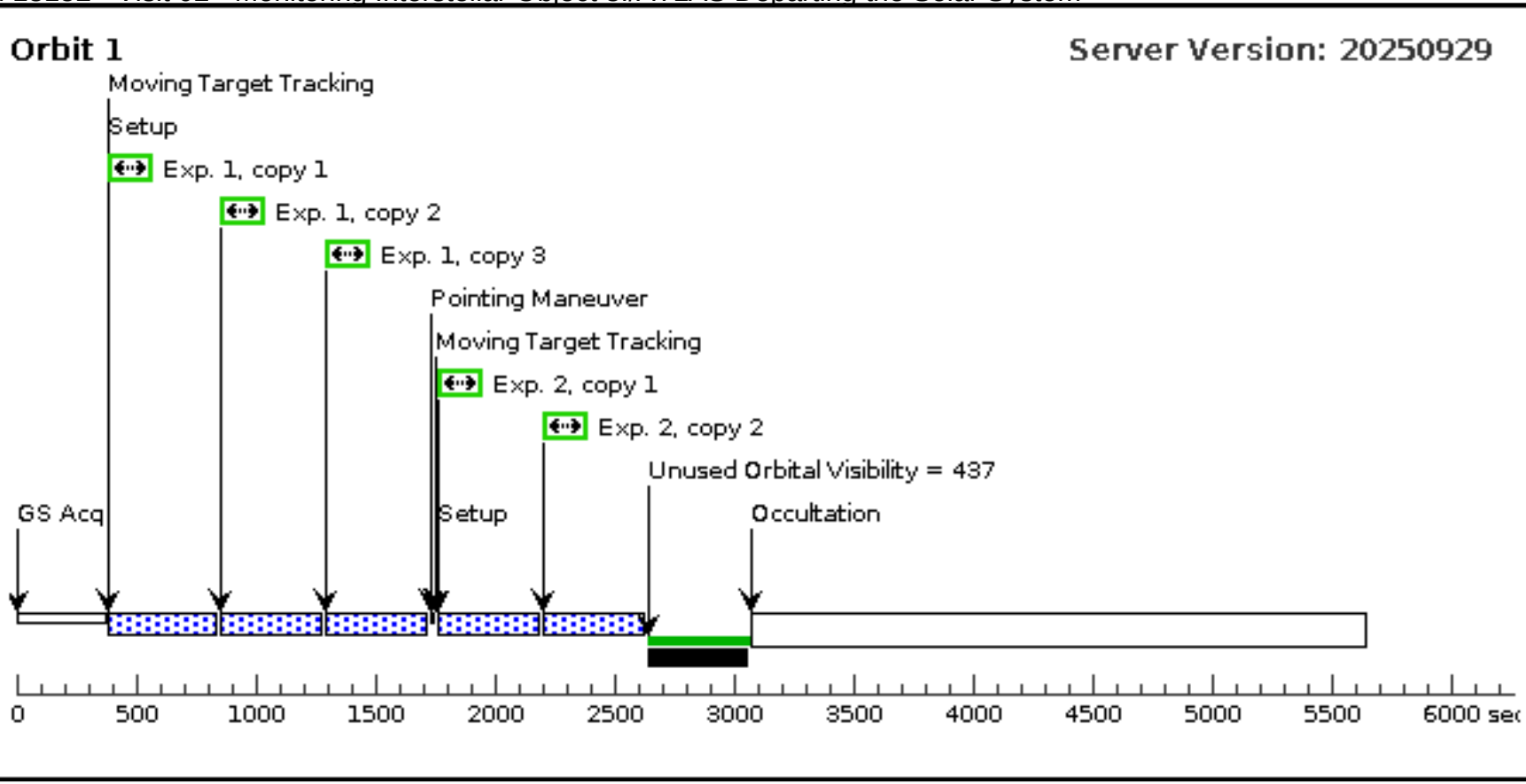
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(4)	3I-ATLAS-NOV21	TYPE=COMET,Q=1.3564056905202 8,E=6.139362564105249,I=175.11306 22033269 ,O=322.1561849782609,W=128.00950 67807252,T=29-OCT-2025:11:34:25,TTimeScale=TDB,EQ UINOX=J2000,EPOCH=30-JUL-2025:00:00:00,EpochTimeScale=TDB, R0=2.808 ,DT=0. ,A1=4.264217376709E-7,A2=2.000436019897E-7,A3=0. ,ALN=0.1112620426,NM=2.15,NN=5. 093,NK=4.6142,AMRAT=0.				EARTH

Comments: Description=interstellar object
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(4) 3I-ATLAS-NOV 21	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP				260 Secs X 3 (780 Secs)	
								[==>(Copy 1)] *[==>(Copy 2)]* *[==>(Copy 3)]*	***[1]***
2		(4) 3I-ATLAS-NOV 21	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP		POS TARG 0.2,0.2		260 Secs X 2 (520 Secs)	
								[==>(Copy 1)] *[==>(Copy 2)]*	***[1]***

Orbit Structure



Visit

Proposal 18152, Visit 22, completed Thu Mar 05 16:00:17 GMT 2026

Diagnostic Status: Informational

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 30%; BETWEEN 08-DEC-2025:00:00:00 AND 15-DEC-2025:00:00:00

Diagnostics

(Visit 22) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Solar System Targets

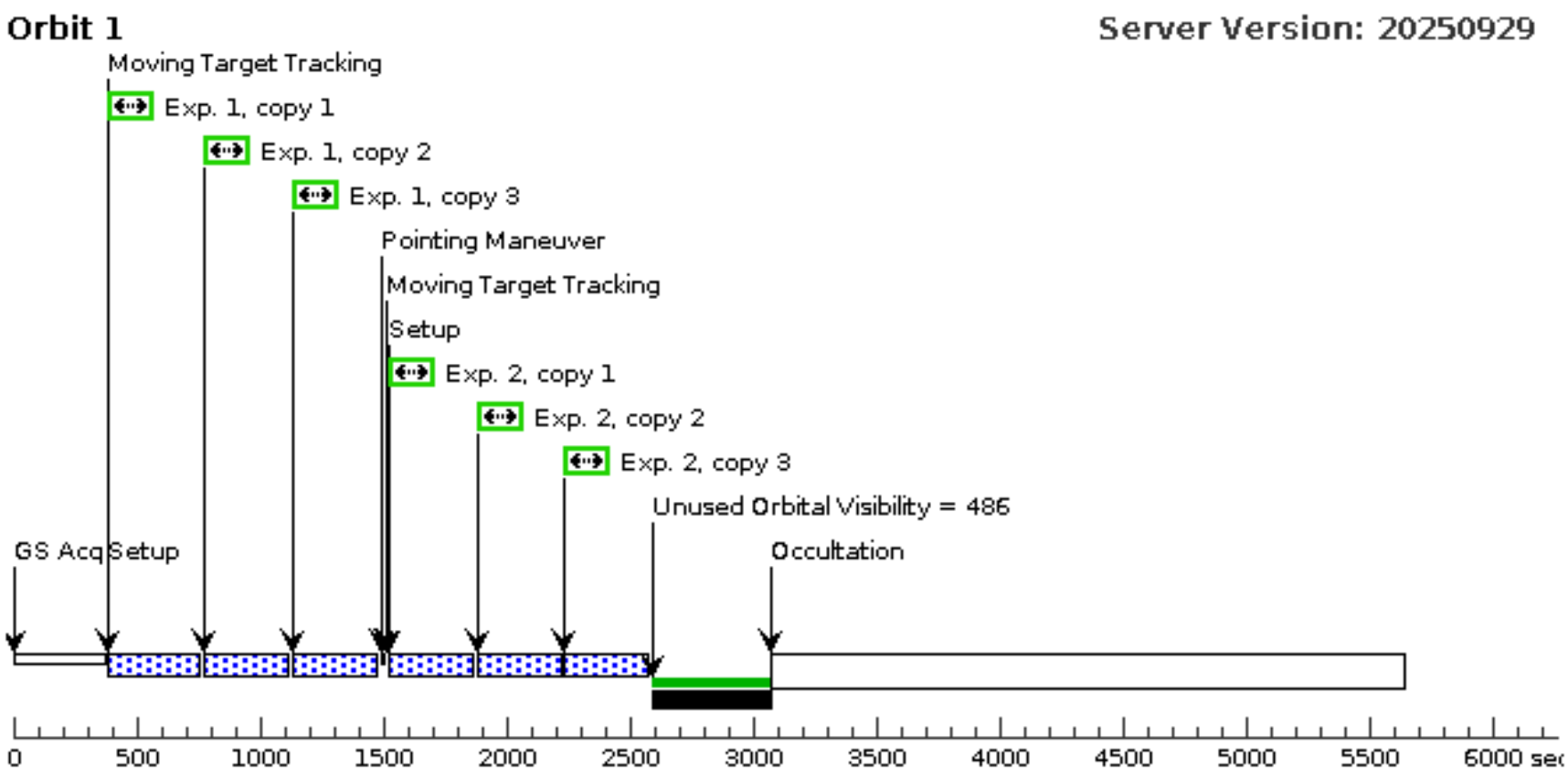
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(5)	3I-ATLAS-DEC1	TYPE=COMET,Q=1.356404858629546,E=6.139346138450772,I=175.113090485184,O=322.1566074986231,W=128.0099236586739,T=29-OCT-2025:11:34:27,TTimeScale=TDB,EQUINOX=J2000,EPOCH=04-AUG-2025:00:00:00,EpochTimeScale=TDB,R0=1.,DT=0.,A1=7.199572086334E-8,A2=4.569792747498E-8,A3=-3.925215303898E-9,ALN=1.,NM=2.,NN=0.,NK=0.,AMRAT=0.				EARTH

Comments: Description=interstellar object
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(5) 3I-ATLAS-DEC1	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=5			170 Secs X 3 (510 Secs) *[==>(Copy 1)]* *[==>(Copy 2)]* *[==>(Copy 3)]*	***[1]***
2		(5) 3I-ATLAS-DEC1	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=5	POS TARG 0.2,0.2		170 Secs X 3 (510 Secs) *[==>(Copy 1)]* *[==>(Copy 2)]* *[==>(Copy 3)]*	***[1]***

Orbit Structure



Visit

Proposal 18152, Visit 03, completed Thu Mar 05 16:00:17 GMT 2026

Diagnostic Status: Informational

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 30%; BETWEEN 22-DEC-2025:00:00:00 AND 29-DEC-2025:00:00:00

Diagnostics

(Visit 03) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Solar System Targets

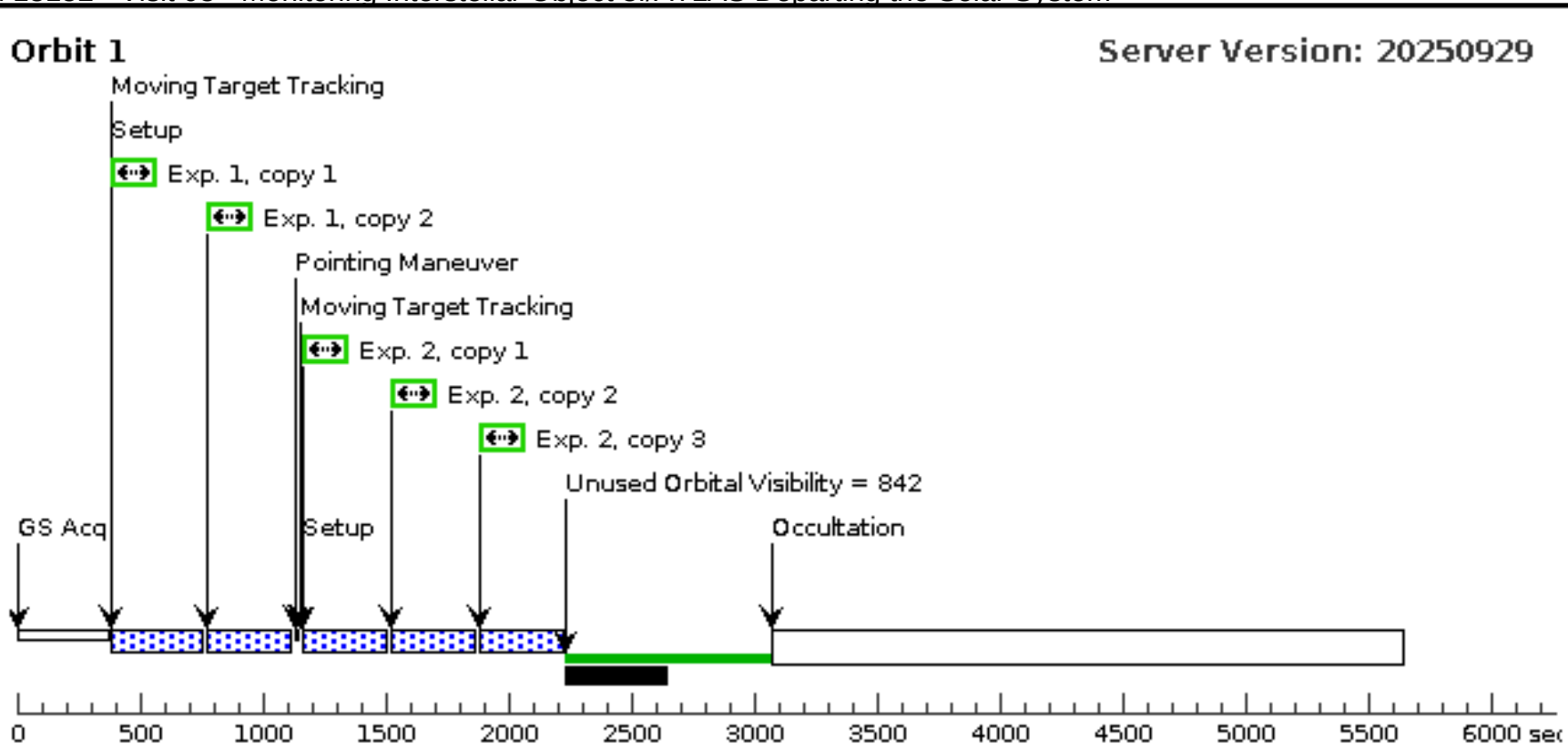
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(5)	3I-ATLAS-DEC1	TYPE=COMET,Q=1.356404858629546,E=6.139346138450772,I=175.113090485184,O=322.1566074986231,W=128.0099236586739,T=29-OCT-2025:11:34:27,TTimeScale=TDB,EQUINOX=J2000,EPOCH=04-AUG-2025:00:00:00,EpochTimeScale=TDB,R0=1.,DT=0.,A1=7.199572086334E-8,A2=4.569792747498E-8,A3=-3.925215303898E-9,ALN=1.,NM=2.,NN=0.,NK=0.,AMRAT=0.				EARTH

Comments: Description=interstellar object
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(5) 3I-ATLAS-DEC1	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=5			170 Secs X 2 (340 Secs) *[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***
2		(5) 3I-ATLAS-DEC1	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=5	POS TARG 0.2,0.2		170 Secs X 3 (510 Secs) *[==>(Copy 1)]* *[==>(Copy 2)]* *[==>(Copy 3)]*	***[1]***

Orbit Structure



Visit

Proposal 18152, Visit 04, completed Thu Mar 05 16:00:17 GMT 2026

Diagnostic Status: Informational

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 30%; BETWEEN 05-JAN-2026:00:00:00 AND 12-JAN-2026:00:00:00

Diagnostics

(Visit 04) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Solar System Targets

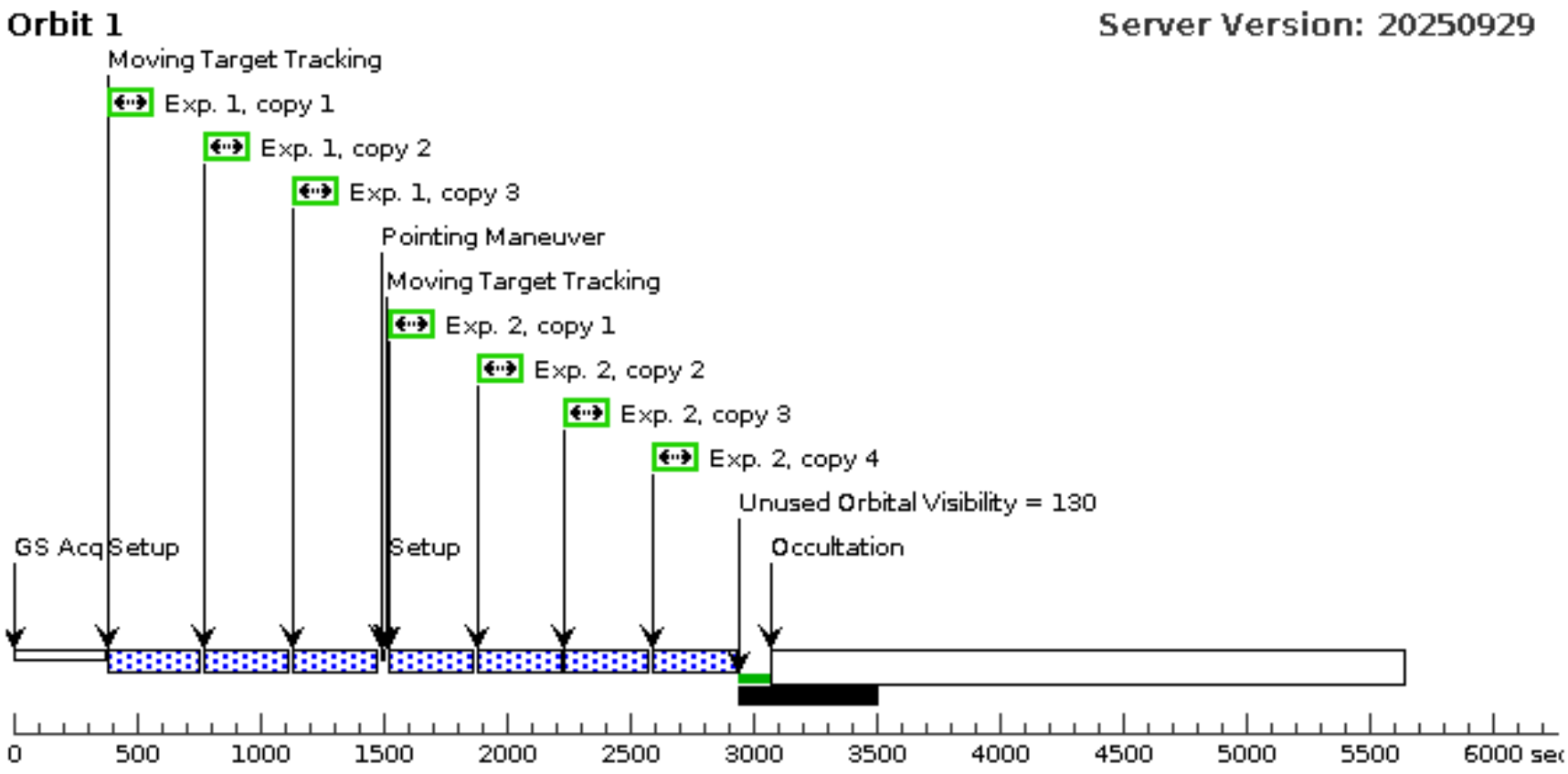
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(6)	3I-ATLAS-DEC17	TYPE=COMET,Q=1.356418761995381,E=6.139422831829797,I=175.1130917268881,O=322.1566239181344,W=128.0096924001076,T=29-OCT-2025:11:34:23,TTimeScale=TDB,EQUINOX=J2000,EPOCH=07-AUG-2025:00:00:00,EpochTimeScale=TDB,R0=1.,DT=0.,A1=4.572104930878E-8,A2=1.862444758415E-8,A3=-5.019464492798E-9,ALN=1.,NM=2.,NN=0.,NK=0.,AMRAT=0.				EARTH

Comments: Description=interstellar object
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(6) 3I-ATLAS-DEC17	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=5			170 Secs X 3 (510 Secs) *[==>(Copy 1)]* *[==>(Copy 2)]* *[==>(Copy 3)]*	***[1]***
2		(6) 3I-ATLAS-DEC17	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=5	POS TARG 0.2,0.2		170 Secs X 4 (680 Secs) *[==>(Copy 1)]* *[==>(Copy 2)]* *[==>(Copy 3)]* *[==>(Copy 4)]*	***[1]***

Orbit Structure



Visit

Proposal 18152, Visit 05, completed Thu Mar 05 16:00:18 GMT 2026

Diagnostic Status: Informational

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 30%; BETWEEN 14-JAN-2026:00:00:00 AND 18-JAN-2026:00:00:00

Diagnostics

(Visit 05) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Solar System Targets

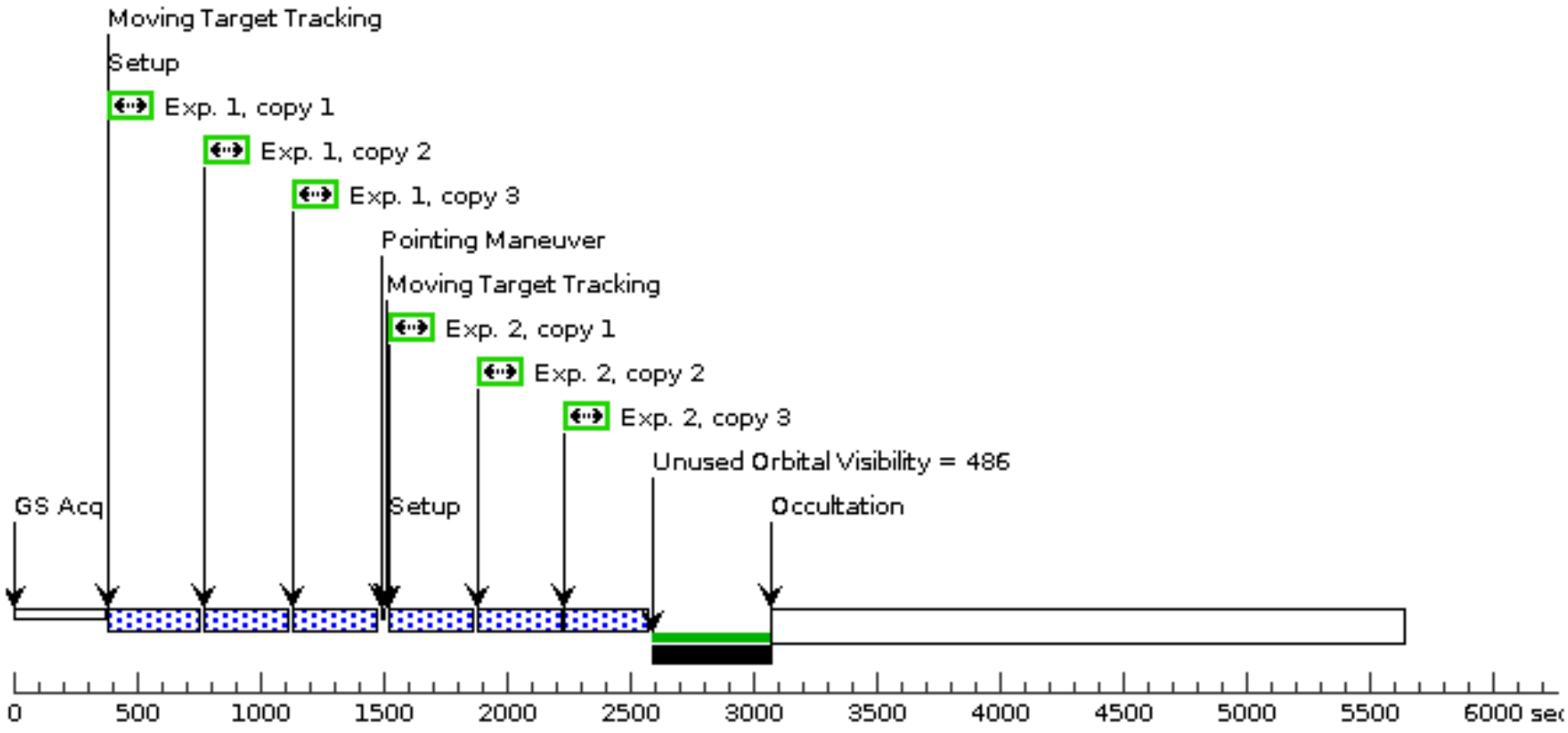
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(6)	3I-ATLAS-DEC17	TYPE=COMET,Q=1.356418761995381,E=6.139422831829797,I=175.1130917268881,O=322.1566239181344,W=128.0096924001076,T=29-OCT-2025:11:34:23,TTimeScale=TDB,EQUINOX=J2000,EPOCH=07-AUG-2025:00:00:00,EpochTimeScale=TDB,R0=1.,DT=0.,A1=4.572104930878E-8,A2=1.862444758415E-8,A3=-5.019464492798E-9,ALN=1.,NM=2.,NN=0.,NK=0.,AMRAT=0.				EARTH

Comments: Description=interstellar object
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(6) 3I-ATLAS-DEC17	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=5			170 Secs X 3 (510 Secs) *[==>(Copy 1)]* *[==>(Copy 2)]* *[==>(Copy 3)]*	 ***[1]***
2		(6) 3I-ATLAS-DEC17	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=5	POS TARG 0.2,0.2		170 Secs X 3 (510 Secs) *[==>(Copy 1)]* *[==>(Copy 2)]* *[==>(Copy 3)]*	 ***[1]***

Orbit Structure



Visit

Proposal 18152, Visit 06, completed Thu Mar 05 16:00:18 GMT 2026

Diagnostic Status: Informational

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 30%; BETWEEN 22-JAN-2026:00:00:00 AND 24-JAN-2026:00:00:00

Diagnostics

(Visit 06) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Solar System Targets

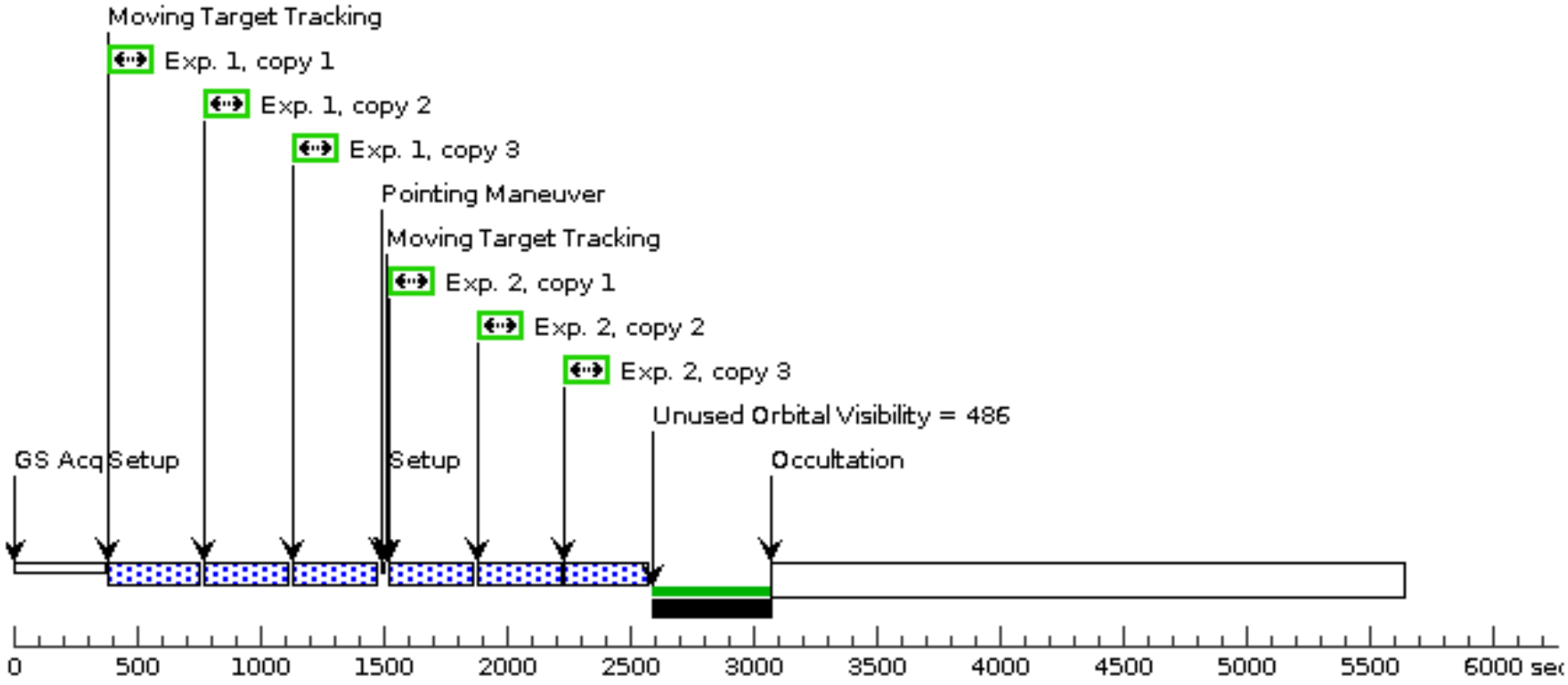
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(7)	3I-ATLAS-DEC29	TYPE=COMET,Q=1.3564211829197 72,E=6.139423907689657,I=175.1130 967647645 ,O=322.1567016652489,W=128.00972 35988275,T=29-OCT- 2025:11:34:27,TTimeScale=TDB,EQ UINOX=J2000,EPOCH=11-AUG- 2025:00:00:00,EpochTimeScale=TDB, R0=1. ,DT=0. ,A1=4.474215507507E- 8,A2=1.700624108315E-8,A3=- 5.324076414108E-9 ,ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.				EARTH

Comments: Description=interstellar object
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(7) 3I-ATLAS-DEC 29	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=5			170 Secs X 3 (510 Secs)	
								[==>(Copy 1)] *[==>(Copy 2)]* *[==>(Copy 3)]*	***[1]***
2		(7) 3I-ATLAS-DEC 29	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F350LP	FLASH=5	POS TARG 0.2,0.2		170 Secs X 3 (510 Secs)	
								[==>(Copy 1)] *[==>(Copy 2)]* *[==>(Copy 3)]*	***[1]***

Orbit Structure



Visit

Proposal 18152, Visit 07, completed Thu Mar 05 16:00:18 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: BETWEEN 09-FEB-2026:00:00:00 AND 23-FEB-2026:00:00:00

Diagnostics

(Exposure 1 (Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(Visit 07) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

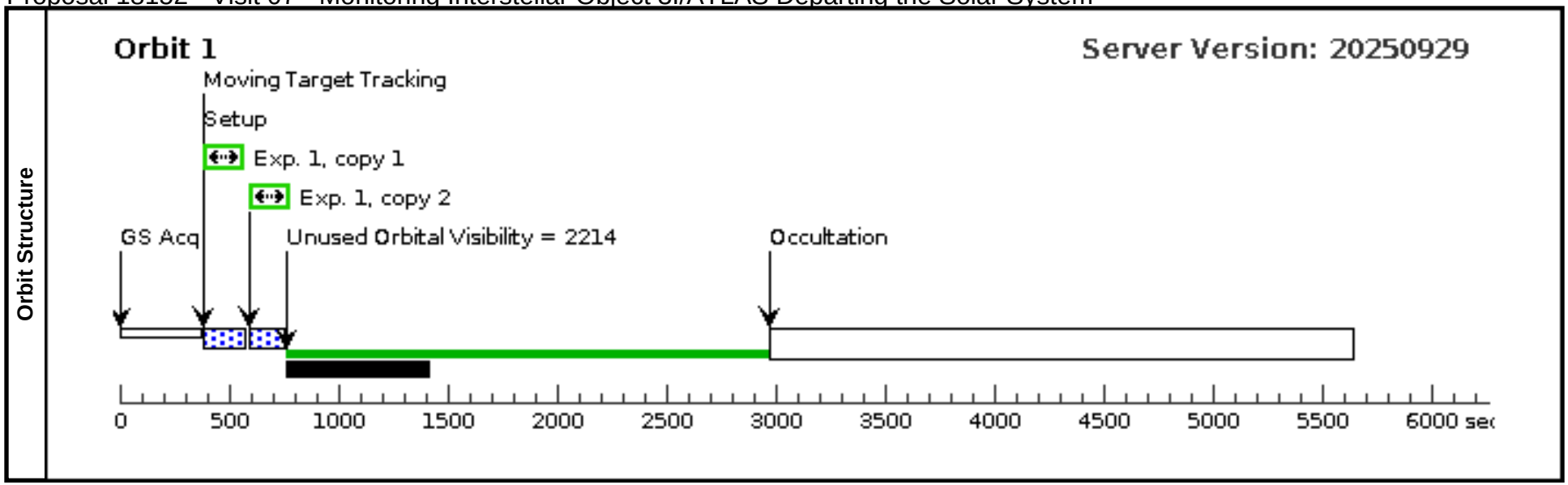
Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(8)	3I-ATLAS-JAN26	TYPE=COMET,Q=1.3564248905579 81,E=6.139409161771214,I=175.1131 128947683 ,O=322.1569360020026,W=128.00987 40554459,T=29-OCT- 2025:11:34:38,TTimeScale=TDB,EQ UINOX=J2000,EPOCH=20-AUG- 2025:00:00:00,EpochTimeScale=TDB, R0=1. ,DT=0. ,A1=4.533728599548E- 8,A2=1.745203018188E-8,A3=- 5.953273177147E-9 ,ALN=1.,NM=2.,NN=0.,NK=0.,AMR AT=0.				EARTH

Comments: Description=interstellar object
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(8) 3I-ATLAS-JAN2 6	WFC3/UVIS, ACCUM, UVIS2-FIX	F350LP	FLASH=5			35 Secs X 2 (70 Secs)	
								[==>(Copy 1)] *[==>(Copy 2)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20250929
Moving Target Tracking
Setup
Exp. 1, copy 1
Exp. 1, copy 2
GS Acq
Unused Orbital Visibility = 2214
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18152, Visit 08, completed Thu Mar 05 16:00:18 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: BETWEEN 09-FEB-2026:00:00:00 AND 23-FEB-2026:00:00:00

Diagnostics

(Exposure 1 (Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(Visit 08) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Solar System Targets

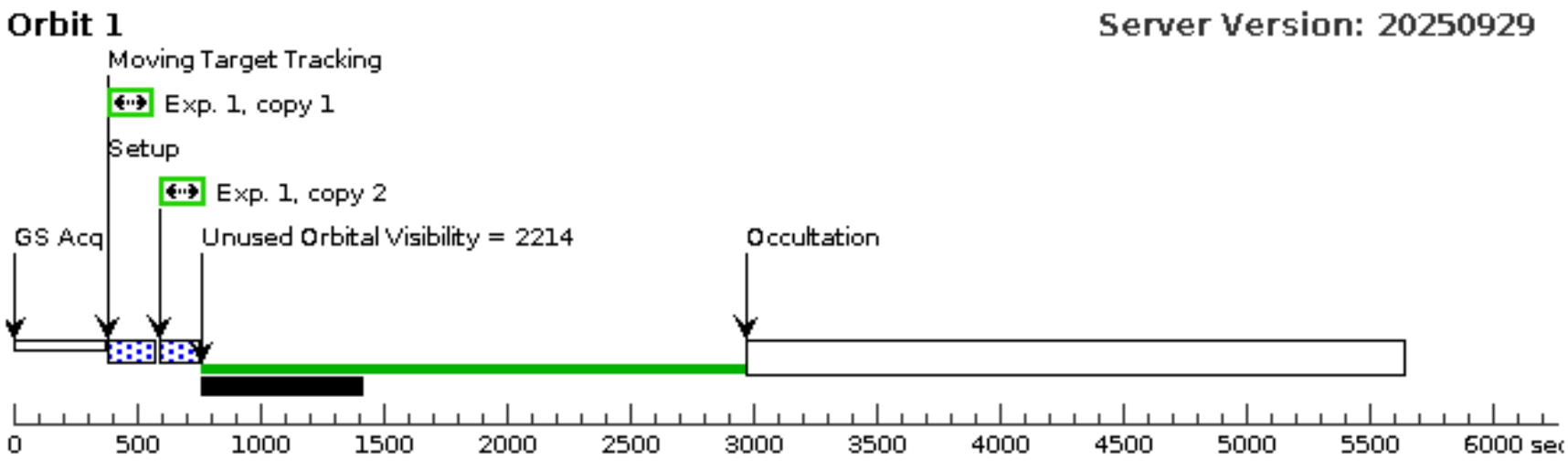
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(8)	3I-ATLAS-JAN26	TYPE=COMET,Q=1.356424890557981,E=6.139409161771214,I=175.1131128947683 ,O=322.1569360020026,W=128.0098740554459,T=29-OCT-2025:11:34:38,TTimeScale=TDB,EQUINOX=J2000,EPOCH=20-AUG-2025:00:00:00,EpochTimeScale=TDB,R0=1. ,DT=0. ,A1=4.533728599548E-8,A2=1.745203018188E-8,A3=-5.953273177147E-9 ,ALN=1.,NM=2.,NN=0.,NK=0.,AMRAT=0.				EARTH

Comments: Description=interstellar object
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(8) 3I-ATLAS-JAN26	WFC3/UVIS, ACCUM, UVIS2-FIX	F350LP	FLASH=5			35 Secs X 2 (70 Secs)	
								[==>(Copy 1)]	***[1]***
								[==>(Copy 2)]	

Orbit Structure



Visit

Proposal 18152, Visit 09, implementation Thu Mar 05 16:00:18 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: BETWEEN 30-MAR-2026:00:00:00 AND 27-APR-2026:00:00:00

Diagnostics

(Exposure 1 (Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(Visit 09) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

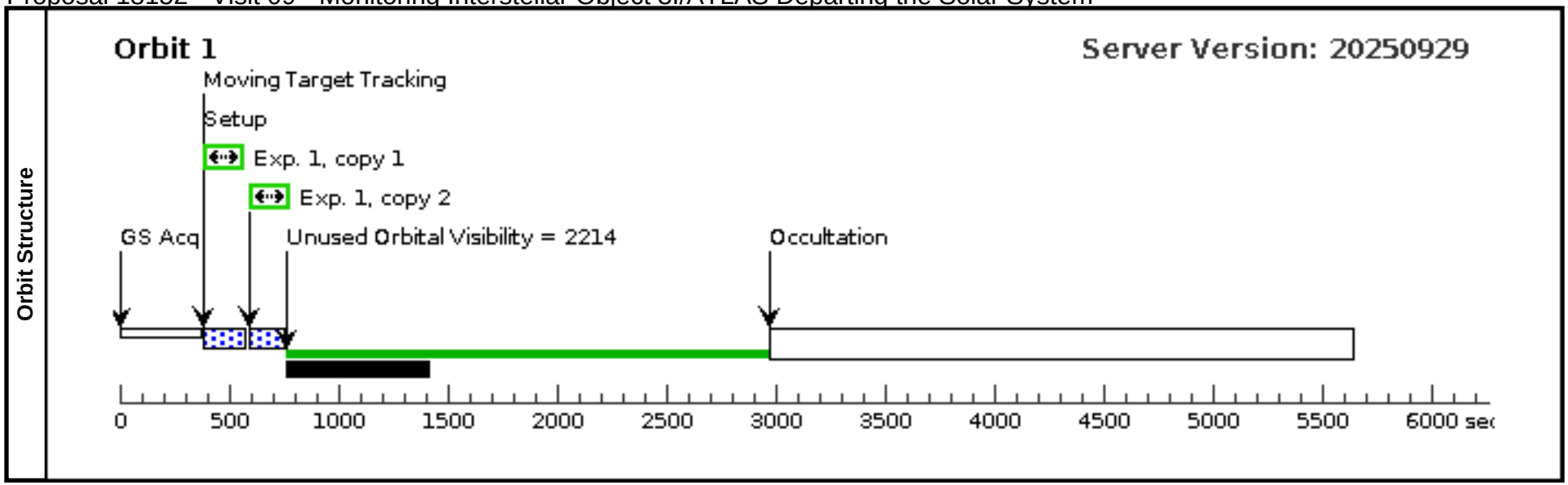
Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(9)	3I-ATLAS-MAR5	TYPE=COMET,Q=1.356481057231181,E=6.141351449317625,I=175.1164570850441 ,O=322.1696089290778,W=128.0228697185194,T=29-OCT-2025:11:53:10,TTimeScale=TDB,EQUINOX=J2000,EPOCH=19-FEB-2026:00:00:00,EpochTimeScale=TDB,R0=1. ,DT=9.478815 ,A1=5.320206165314E-8,A2=1.148166060448E-8,A3=-6.854491829872E-9 ,ALN=1.,NM=2.,NN=0.,NK=0.,AMRAT=0.				EARTH

Comments: Description=interstellar object
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(9) 3I-ATLAS-MAR5	WFC3/UVIS, ACCUM, UVIS2-FIX	F350LP	FLASH=5			35 Secs X 2 (70 Secs)	
								[==>(Copy 1)]	***[1]***
								[==>(Copy 2)]	


Orbit Structure
Orbit 1
Server Version: 20250929
Moving Target Tracking
Setup
Exp. 1, copy 1
Exp. 1, copy 2
GS Acq
Unused Orbital Visibility = 2214
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18152, Visit 10, implementation Thu Mar 05 16:00:18 GMT 2026

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: BETWEEN 30-MAR-2026:00:00:00 AND 27-APR-2026:00:00:00

Diagnostics

(Exposure 1 (Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(Visit 10) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

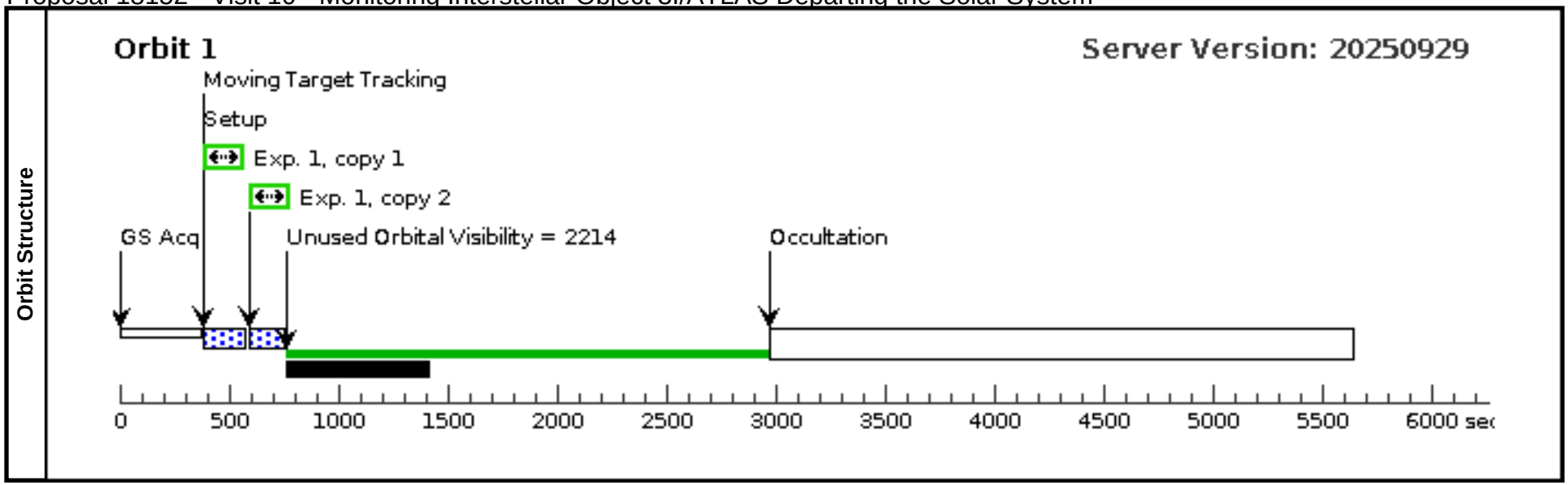
Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(9)	3I-ATLAS-MAR5	TYPE=COMET,Q=1.356481057231181,E=6.141351449317625,I=175.1164570850441 ,O=322.1696089290778,W=128.0228697185194,T=29-OCT-2025:11:53:10,TTimeScale=TDB,EQUINOX=J2000,EPOCH=19-FEB-2026:00:00:00,EpochTimeScale=TDB,R0=1. ,DT=9.478815 ,A1=5.320206165314E-8,A2=1.148166060448E-8,A3=-6.854491829872E-9 ,ALN=1.,NM=2.,NN=0.,NK=0.,AMRAT=0.				EARTH

Comments: Description=interstellar object
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(9) 3I-ATLAS-MAR5	WFC3/UVIS, ACCUM, UVIS2-FIX	F350LP	FLASH=5			35 Secs X 2 (70 Secs)	
								[==>(Copy 1)]	***[1]***
								[==>(Copy 2)]	


Orbit Structure
Orbit 1
Server Version: 20250929
Moving Target Tracking
Setup
Exp. 1, copy 1
Exp. 1, copy 2
GS Acq
Unused Orbital Visibility = 2214
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec