



16726 - A comparative study of atmospheric escape in the brightest system of super-earths straddling the evaporation valley

Cycle: 29, Proposal Category: GO

(UV Initiative)

(Availability Mode: AVAILABLE)

INVESTIGATORS

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Dr. Isabella Pagano (CoI) (ESA Member)	INAF - Osservatorio Astrofisico di Catania
Dr. Luca Fossati (CoI) (ESA Member)	Space Research Institute, Austrian Academy of Sciences
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Dr. Alexis Brandeker (CoI) (ESA Member)	Stockholm University
Dr. Alfred Vidal-Madjar (CoI) (ESA Member)	CNRS, Institut d'Astrophysique de Paris
Dr. Baptiste Lavie (CoI) (ESA Member)	University of Geneva, Department of Astronomy
Dr. Adrien Deline (CoI) (ESA Member) (Contact)	University of Geneva, Department of Astronomy
Dr. Alain Lecavelier des Etangs (CoI) (ESA Member)	CNRS, Institut d'Astrophysique de Paris

VISITS

Proposal 16726 (STScI Edit Number: 12, Created: Wednesday, February 11, 2026, 12:00:35PM Eastern Standard Time) - Overview

<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) -NU.02-LUP	COS/FUV COS/NUV	5	11-Feb-2026 12:00:28.0	yes
02	(1) -NU.02-LUP	COS/FUV COS/NUV	5	11-Feb-2026 12:00:29.0	yes
52	(1) -NU.02-LUP	COS/FUV COS/NUV	5	11-Feb-2026 12:00:29.0	yes
21	(1) -NU.02-LUP	COS/FUV COS/NUV	1	11-Feb-2026 12:00:30.0	yes
22	(1) -NU.02-LUP	COS/FUV COS/NUV	1	11-Feb-2026 12:00:30.0	yes
23	(1) -NU.02-LUP	COS/FUV COS/NUV	1	11-Feb-2026 12:00:30.0	yes
24	(1) -NU.02-LUP	COS/FUV COS/NUV	1	11-Feb-2026 12:00:31.0	yes
25	(1) -NU.02-LUP	COS/FUV COS/NUV	1	11-Feb-2026 12:00:31.0	yes
04	(1) -NU.02-LUP	COS/FUV COS/NUV	5	11-Feb-2026 12:00:31.0	yes
05	(1) -NU.02-LUP	COS/FUV COS/NUV	5	11-Feb-2026 12:00:32.0	yes
06	(1) -NU.02-LUP	COS/FUV COS/NUV	5	11-Feb-2026 12:00:33.0	yes
07	(1) -NU.02-LUP	COS/FUV COS/NUV	5	11-Feb-2026 12:00:33.0	yes
08	(1) -NU.02-LUP	COS/FUV COS/NUV	5	11-Feb-2026 12:00:34.0	yes
58	(1) -NU.02-LUP	COS/FUV COS/NUV	5	11-Feb-2026 12:00:35.0	yes

50 Total Orbits Used

ABSTRACT

Photo-evaporation of planetary atmospheres plays a key role in the evolution of exoplanets, carving their whole population. However, direct observations of atmospheric escape are scarce and almost non-existent in the mass range of super-Earths and mini-Neptunes, while these planets are among the most impacted by the phenomenon. A huge step forward could be made by achieving a comparative study of several super-Earths, volatile-rich or not, in a single multi-planet system: such planets would indeed experience the same evolution of the stellar X and EUV flux that are driving atmospheric escape. The perfect system for such a study has just been identified: the nearby, solar-type, and naked-eye star ν^2 Lupi hosts transiting planets spanning a remarkably large range of insolation (~ 100 to $\sim 5x$ the insolation of Earth). TESS found the transits of the two inner planets and CHEOPS detected the transit of planet d, a volatile-rich super-Earth with an exceptional period of 107 day. These super-Earths straddle the radius gap of the "evaporation valley" and could have retained different fractions of gas and volatiles. Like for previously observed warm Neptunes, they could be enshrouded in huge comet-like exospheric clouds of escaping gas, which could have built up in the mild radiative environment. The system unique combination of proximity, brightness and favorable planet characteristics offers a fantastic opportunity to exploit HST ultraviolet capabilities to search for the hydrogen, oxygen and carbon escaping three planets in whole new mass and irradiation regimes. It is the ideal testbed for advancing both observations and theories of atmospheric evaporation of exoplanets.

OBSERVING DESCRIPTION

We are targetting transits of exoplanets in the Nu2 Lupi system at Lyman-alpha. Nu2 Lupi is a naked-eye star ($V=5.65$). We will observe it with COS/FUV/G130M using both segments B (incl. Lyman-alpha) and A. The Lyman-alpha airglow will be corrected using available airglow templates, as in programs GO14877 (Bourrier et al. 2018, A&A 615, A117) and GO14767 (Dos Santos et al. 2019, A&A 629, A47). We wish to use only one FP-POS setting per visit so we are not impacted by the restriction to FP-POS=3 or 4 that applies when using segment B. We have set FP-POS=3 through the whole program. Each visit will consist in 5 HST orbits, spent in a single, orbit-long exposure in time-tag mode. The first orbit in each visit additionally contains an acquisition performed with COS/NUV in imaging mode, using the Bright Object Aperture and MIRRORB.

The transit observations are time-critical: we aim at obtaining two transits (2x5 orbits) of planet b, three transits (3x5 orbits) of planet c, and three transits (3x5 orbits) of planet d. Planet b transits every ~ 11 days and there is a dozen windows available until March 2023. Planets c and d have longer periods and they are much more constraining in terms of planning: with its ~ 27 -day period, there are only 4 windows available for transits of c between now and March 2023, with a first opportunity on 21 September 2021 (still in Cycle 28) and two beyond Cycle 29. Finally, planet d has an even longer period of ~ 107 days; there are 3 opportunities: one on 11 August 2021 (Cycle 28), one on 14 March 2022 (Cycle 29) and one on 29 Jan

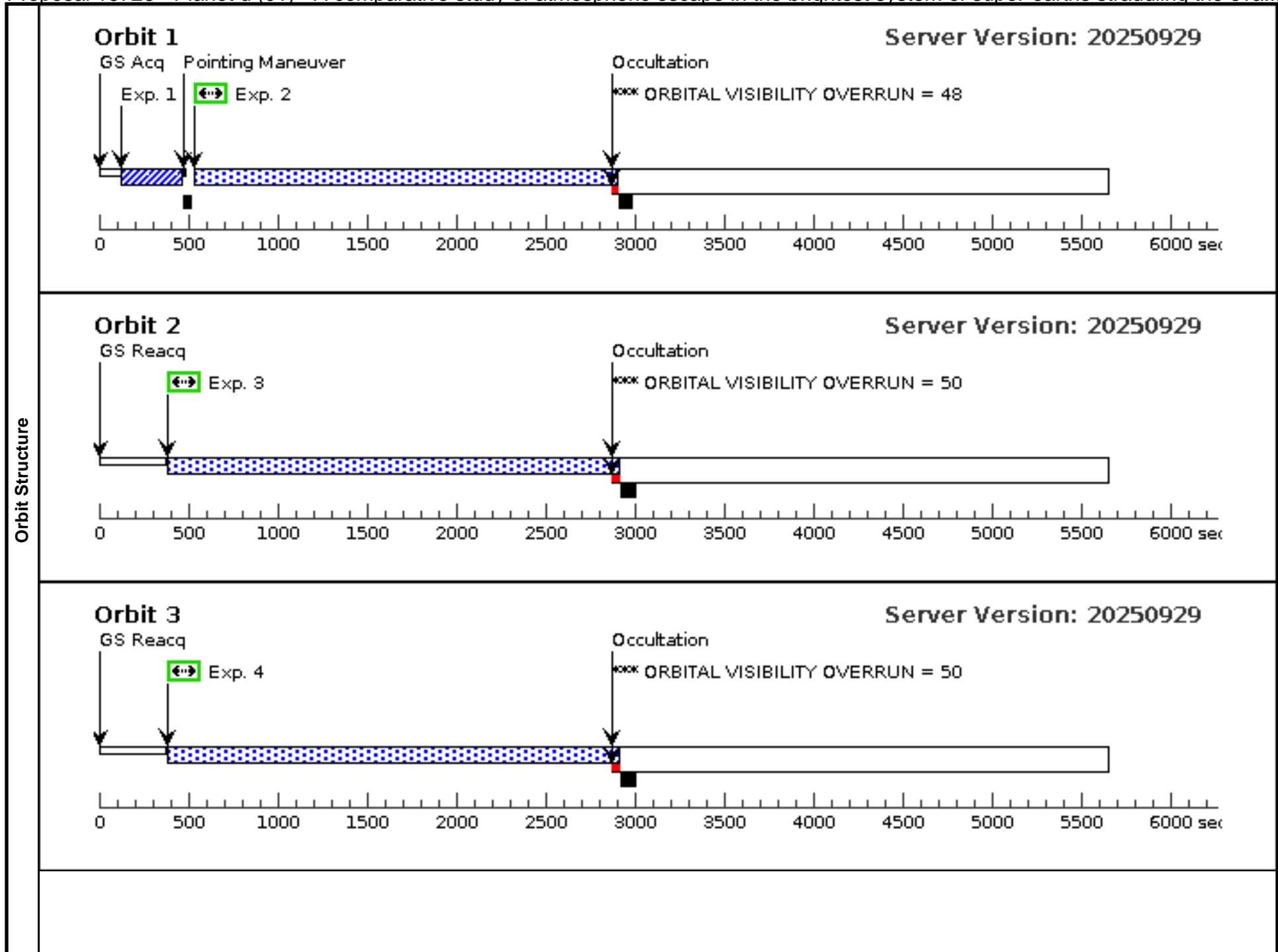
Proposal 16726 (STScI Edit Number: 12, Created: Wednesday, February 11, 2026, 12:00:35PM Eastern Standard Time) - Overview
2023 (Cycle 30). The proposal anticipated that one visit (5 orbits) would be carried over in Cycle 30; it might actually be up to three visits (15 orbits).
Besides, the visits have slightly difference phase constraints, set to cover different parts of the transits.

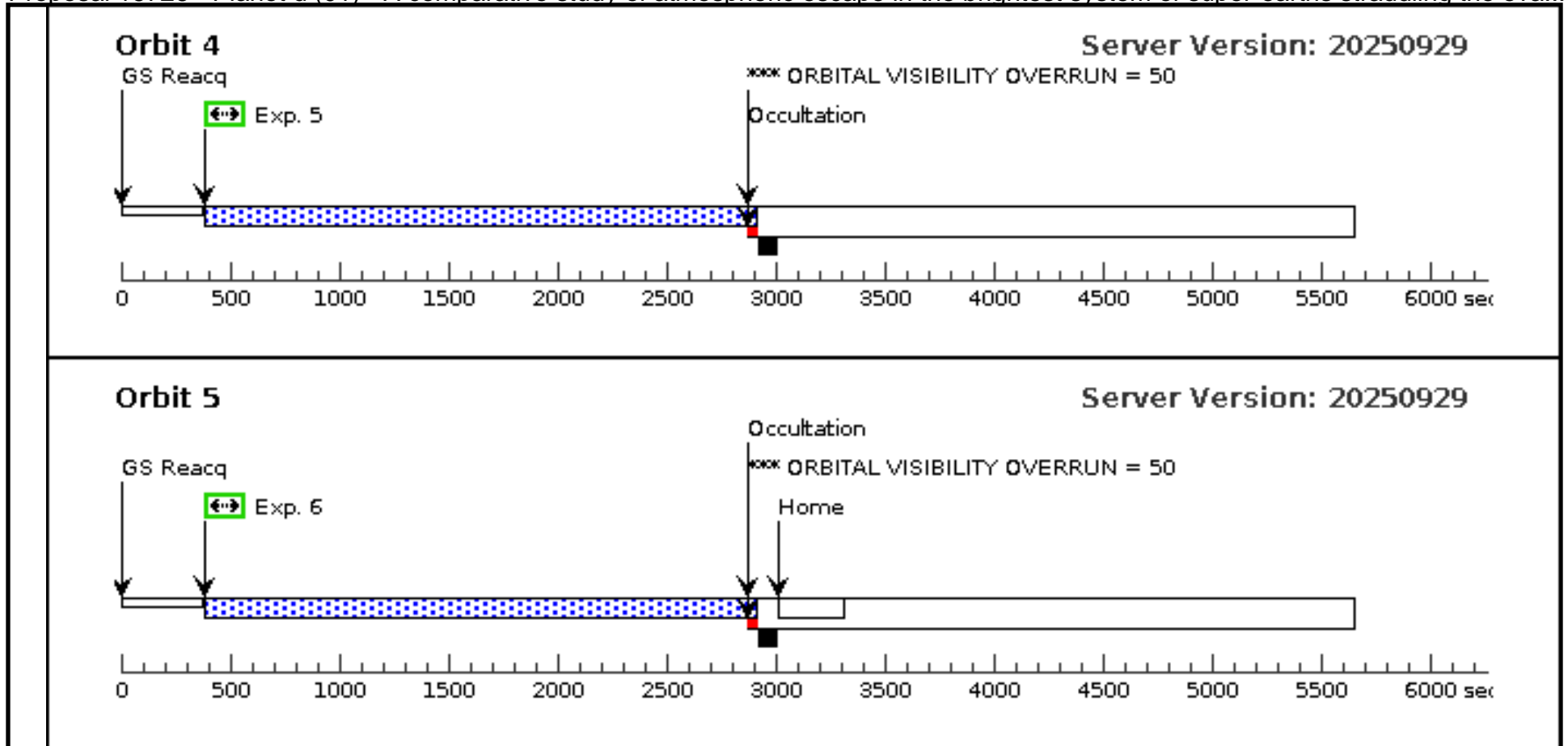
Proposal 16726 - Planet d (01) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

Visit	Proposal 16726, Planet d (01), completed Wed Feb 11 17:00:35 GMT 2026 Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; Period 107.1360 D AND ZERO-PHASE HJD2459331.18760																																								
	Diagnosics (Planet d (01)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser. (Planet d (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet d (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet d (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet d (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet d (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																																								
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Comments: Category=STAR Description=[EXTRA-SOLAR PLANETARY SYSTEM, G V-IV] Extended=NO																																									

Proposal 16726 - Planet d (01) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(COS.ta.152 (1) -NU.02-LUP 2351)	COS/NUV, ACQ/IMAGE, BOA	MIRRORB		PHASE 0.9969 TO 0.9971		13 Secs (13 Secs) [==>]	[1]
	2	(COS.sp.174 (1) -NU.02-LUP 6796)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2550 Secs (2184 Secs) [==>2184.0 Secs]	[1]
	3	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[2]
	4	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[3]
	5	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[4]
	6	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[5]



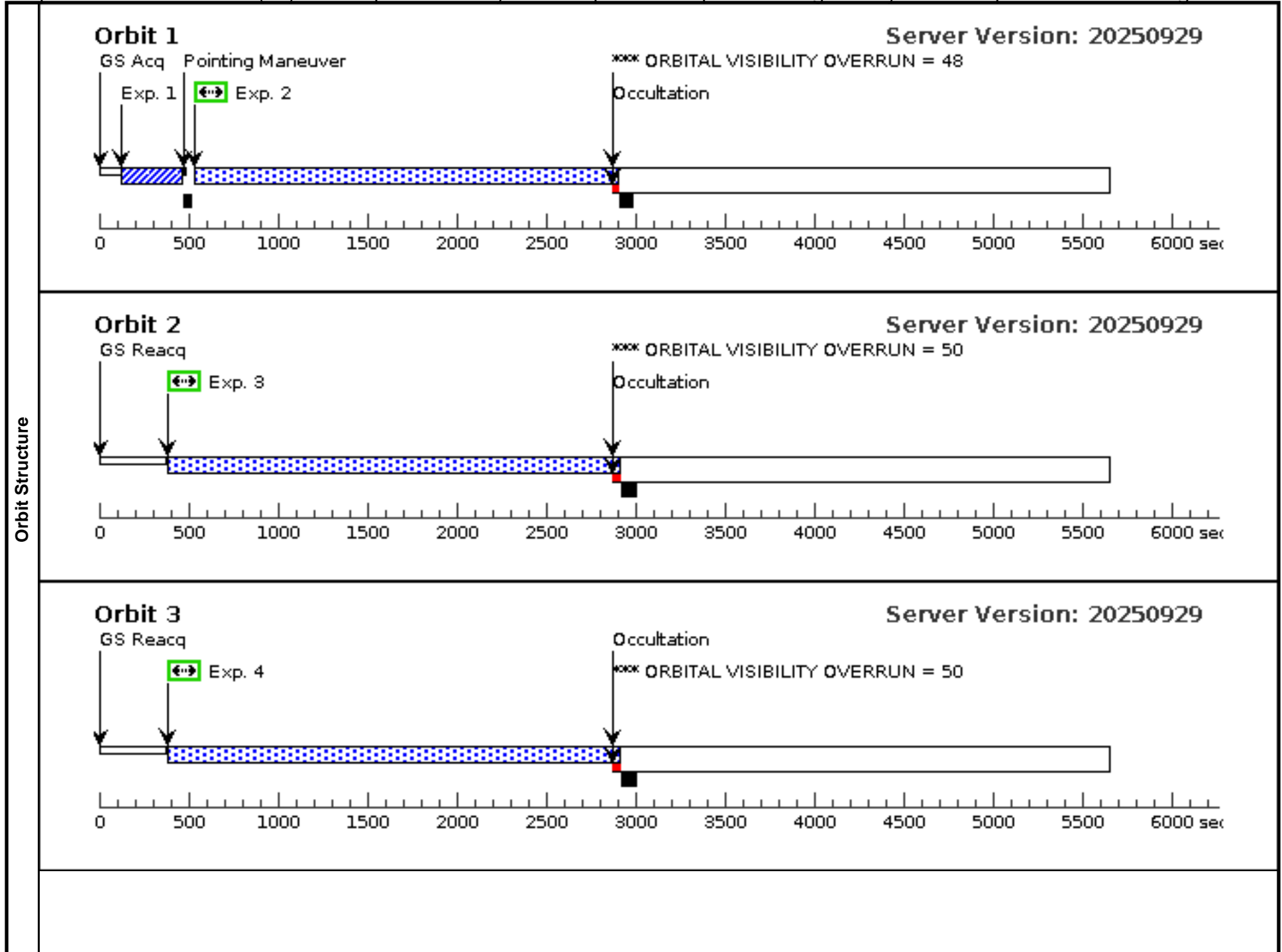


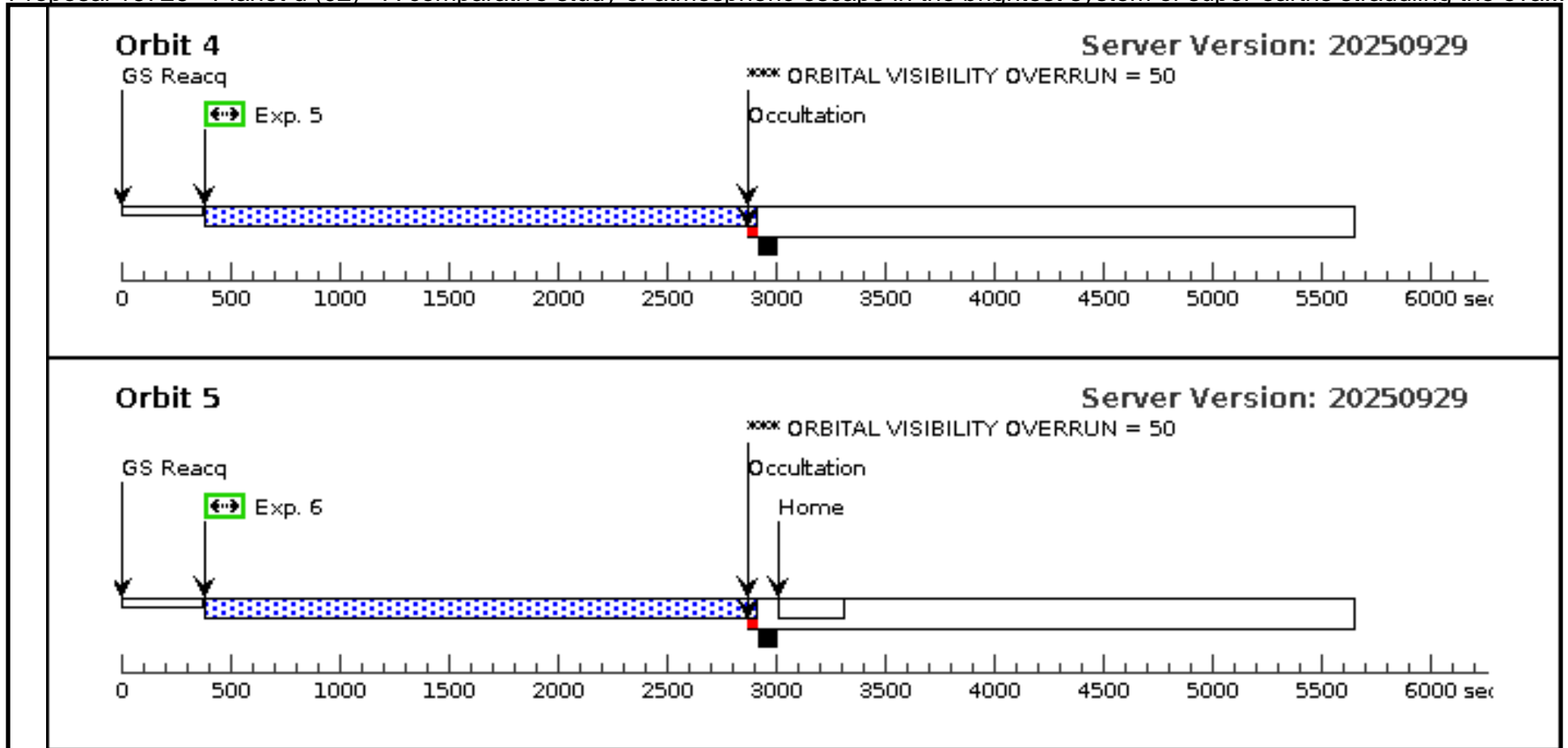
Proposal 16726 - Planet d (02) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

Visit	Proposal 16726, Planet d (02), withdrawn Wed Feb 11 17:00:35 GMT 2026 Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; Period 107.1360 D AND ZERO-PHASE HJD2459331.18760																																								
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Proposal 16726 - Planet d (02) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(COS.ta.152 (1) -NU.02-LUP 2351)	COS/NUV, ACQ/IMAGE, BOA	MIRRORB		PHASE 0.9994 TO 1 .0000		13 Secs (13 Secs) [==>]	[1]
	2	(COS.sp.174 (1) -NU.02-LUP 6796)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2550 Secs (2184 Secs) [==>2184.0 Secs]	[1]
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	4	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[3]
	5	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[4]
	6	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[5]





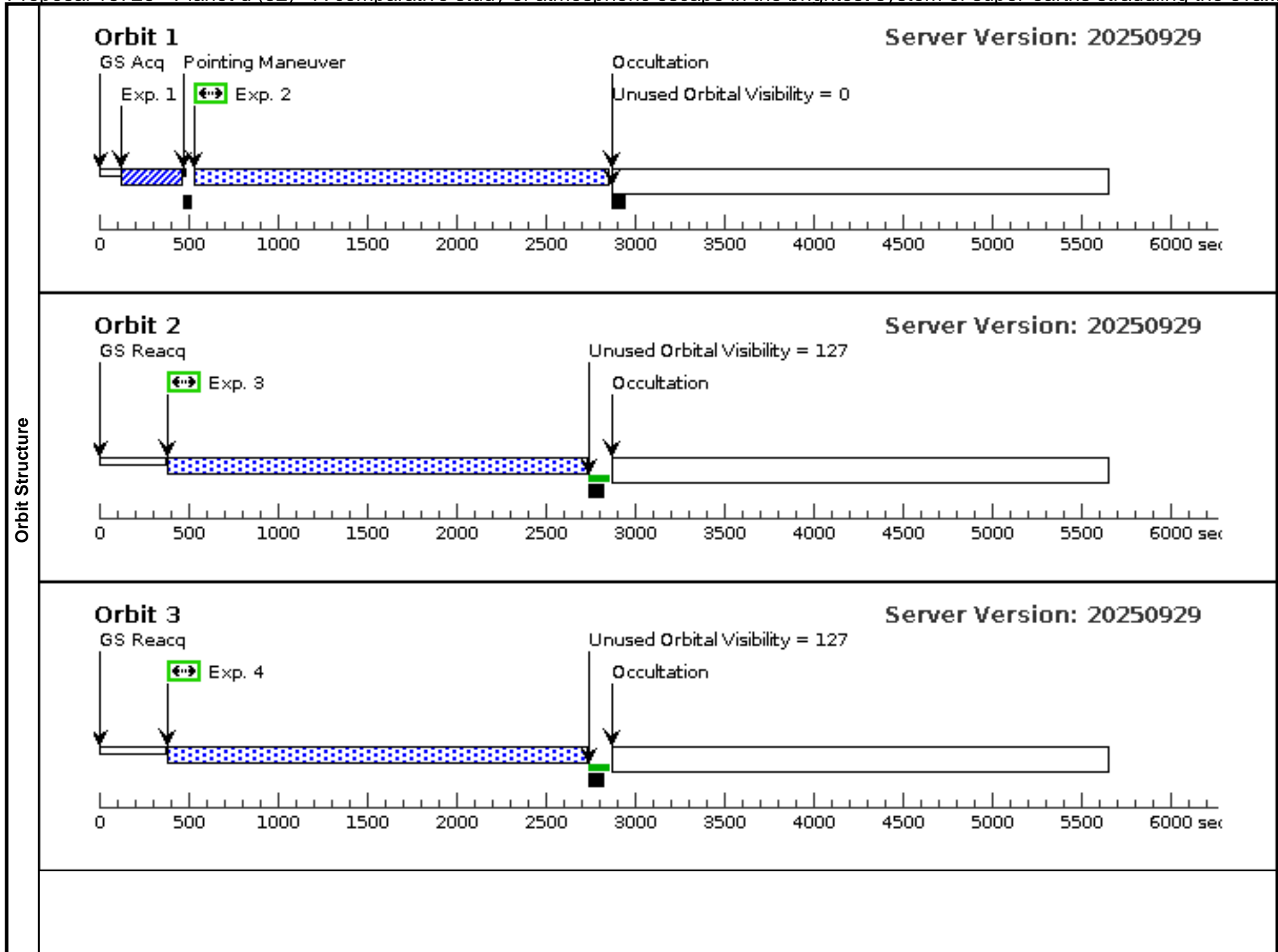
Proposal 16726 - Planet d (52) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

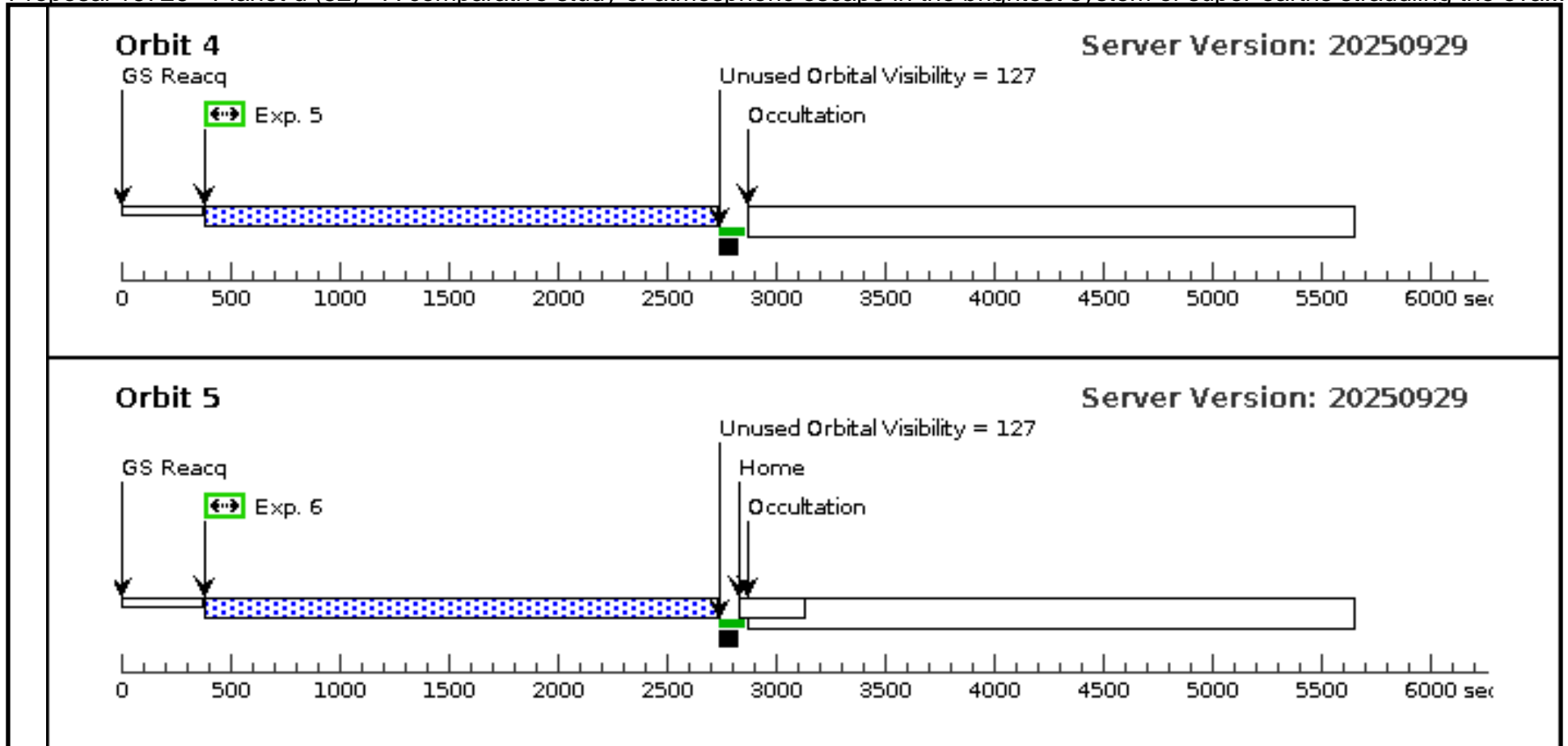
Wed Feb 11 17:00:35 GMT 2026

Visit	<p>Proposal 16726, Planet d (52), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%; Period 107.1360 D AND ZERO-PHASE HJD2459331.18760</p> <p><i>Comments: Repeat of visit 02 which was executed as visits 21-25 then failed.</i></p>																																								
Diagnostics	<p>(Planet d (52)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.</p>																																								
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Proposal 16726 - Planet d (52) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

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Exposures	1	(COS.ta.152 (1) -NU.02-LUP 2351)	COS/NUV, ACQ/IMAGE, BOA	MIRRORB		PHASE 0.9994 TO 1 .0000		13 Secs (13 Secs) [==>]	[1]
	2	(COS.sp.174 (1) -NU.02-LUP 6796)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2136 Secs (2136 Secs) [==>]	[1]
	3	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2300 Secs (2300 Secs) [==>]	[2]
	4	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2300 Secs (2300 Secs) [==>]	[3]
	5	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2300 Secs (2300 Secs) [==>]	[4]
	6	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2300 Secs (2300 Secs) [==>]	[5]





Visit	Proposal 16726, Planet d (21), failed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: Period 107.1360 D AND ZERO-PHASE HJD2459331.18760 ; SEQ 21,22,23,24,25 WITHIN 4.5 Orbits																																			
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	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																										
	1	(COS.ta.152 2351)	(1) -NU.02-LUP	COS/NUV, ACQ/IMAGE, BOA	MIRRORB		PHASE 0.9994 TO 1 .0000		13 Secs (13 Secs) [==>]	[1]																										
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Orbit Structure	<p>Orbit 1 Server Version: 20250929</p> <p>The diagram shows a horizontal timeline from 0 to 6000 seconds. Key events are marked with arrows: GS Acq at ~100s, Exp. 1 at ~200s, Pointing Maneuver at ~450s, Exp. 2 at ~500s, Occultation at ~3000s (with a red bar and text 'ORBITAL VISIBILITY OVERRUN = 274'), and Home at ~3300s. A green box highlights the region between the Pointing Maneuver and Exp. 2.</p>																																			

Proposal 16726 - Planet d (22) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

Wed Feb 11 17:00:36 GMT 2026

Visit	Proposal 16726, Planet d (22), failed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	(Planet d (22)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser. (Planet d (22)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	-NU.02-LUP Alt Name1: HD136352	RA: 15 21 48.1511 (230.4506296d) Dec: -48 19 3.46 (-48.31763d) Equinox: J2000	Proper Motion RA: -1624.047 mas/yr Proper Motion Dec: -276.024 mas/yr Parallax: 0.0680818" Epoch of Position: 2000 Radial Velocity: -68.780 km/sec	V=5.65	Reference Frame: ICRS				
Comments: Category=STAR Description=[EXTRA-SOLAR PLANETARY SYSTEM, G V-IV] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.152 2351)	(1) -NU.02-LUP	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				13 Secs (13 Secs) [==>]	[1]
	2	(COS.sp.174 6796)	(1) -NU.02-LUP	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=34 00; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2800 Secs (2800 Secs) [==>]	[1]
Orbit Structure	Orbit 1 Server Version: 20250929 GS Acq Pointing Maneuver Exp. 1 [←→] Exp. 2 *** ORBITAL VISIBILITY OVERRUN = 524 Occultation Home 									
	0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec									

Visit	Proposal 16726, Planet d (23), failed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	(Planet d (23)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser. (Planet d (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	-NU.02-LUP Alt Name1: HD136352	RA: 15 21 48.1511 (230.4506296d) Dec: -48 19 3.46 (-48.31763d) Equinox: J2000	Proper Motion RA: -1624.047 mas/yr Proper Motion Dec: -276.024 mas/yr Parallax: 0.0680818" Epoch of Position: 2000 Radial Velocity: -68.780 km/sec	V=5.65	Reference Frame: ICRS				
Comments: Category=STAR Description=[EXTRA-SOLAR PLANETARY SYSTEM, G V-IV] Extended=NO										
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	1	(COS.ta.152 2351)	(1) -NU.02-LUP	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				13 Secs (13 Secs)	
	2	(COS.sp.174 6796)	(1) -NU.02-LUP	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2800 Secs (2800 Secs)	[1]
Orbit Structure	Orbit 1 Server Version: 20250929									
	<p>The diagram shows a timeline for Orbit 1 from 0 to 6000 seconds. Key events are marked with arrows: GS Acq at ~100s, Exp. 1 (blue hatched) from ~150s to ~450s, Pointing Maneuver (green box with double arrows) at ~500s, Exp. 2 (red hatched) from ~550s to ~3000s, Occultation (black bar) from ~3000s to ~3500s, and Home (black bar) from ~3500s to ~4000s. A red box highlights the period from 3000s to 3500s, labeled 'ORBITAL VISIBILITY OVERRUN = 524'.</p>									

Visit	Proposal 16726, Planet d (24), failed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	(Planet d (24)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser. (Planet d (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	-NU.02-LUP Alt Name1: HD136352	RA: 15 21 48.1511 (230.4506296d) Dec: -48 19 3.46 (-48.31763d) Equinox: J2000	Proper Motion RA: -1624.047 mas/yr Proper Motion Dec: -276.024 mas/yr Parallax: 0.0680818" Epoch of Position: 2000 Radial Velocity: -68.780 km/sec	V=5.65	Reference Frame: ICRS				
Comments: Category=STAR Description=[EXTRA-SOLAR PLANETARY SYSTEM, G V-IV] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.152 2351)	(1) -NU.02-LUP	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				13 Secs (13 Secs)	
	2	(COS.sp.174 6796)	(1) -NU.02-LUP	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2800 Secs (2800 Secs)	[1]
Orbit Structure	Orbit 1 Server Version: 20250929									
	<p>The diagram shows a timeline from 0 to 6000 seconds. Key events include: GS Acq at ~100s, Exp. 1 (blue hatched bar) from ~150s to ~450s, Pointing Maneuver (green box with double arrows) from ~450s to ~550s, Exp. 2 (green hatched bar) from ~550s to ~3000s, Occultation (red bar) from ~3000s to ~3500s, and Home at ~3500s. A red bar from ~3000s to ~3524s is labeled 'ORBITAL VISIBILITY OVERRUN = 524'.</p>									

Proposal 16726 - Planet d (25) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

Wed Feb 11 17:00:36 GMT 2026

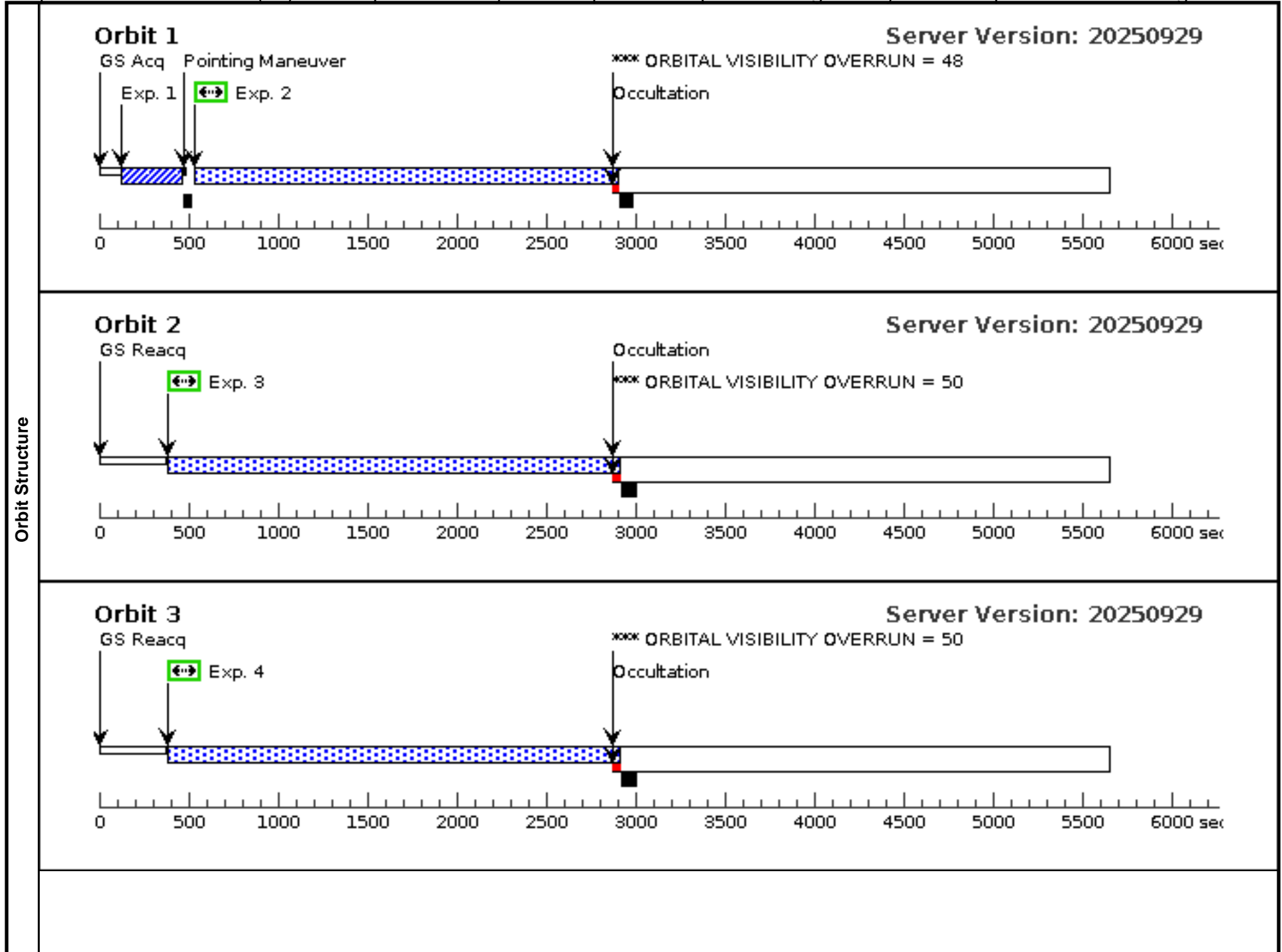
Visit	Proposal 16726, Planet d (25), failed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	(Planet d (25)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser. (Planet d (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	-NU.02-LUP Alt Name1: HD136352	RA: 15 21 48.1511 (230.4506296d) Dec: -48 19 3.46 (-48.31763d) Equinox: J2000	Proper Motion RA: -1624.047 mas/yr Proper Motion Dec: -276.024 mas/yr Parallax: 0.0680818" Epoch of Position: 2000 Radial Velocity: -68.780 km/sec	V=5.65	Reference Frame: ICRS				
Comments: Category=STAR Description=[EXTRA-SOLAR PLANETARY SYSTEM, G V-IV] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.152 2351)	(1) -NU.02-LUP	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				13 Secs (13 Secs) [==>]	[1]
	2	(COS.sp.174 6796)	(1) -NU.02-LUP	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=34 00; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2800 Secs (2800 Secs) [==>]	[1]
Orbit Structure	Server Version: 20250929 *** ORBITAL VISIBILITY OVERRUN = 524									
	<p>The diagram shows a timeline for Orbit 1 from 0 to 6000 seconds. Key events are marked with arrows: GS Acq at ~100s, Pointing Maneuver at ~400s, Exp. 1 at ~500s, Exp. 2 at ~600s, Occultation at ~3000s, and Home at ~3600s. A red bar from 3000s to 3524s indicates an orbital visibility overrun. A green box with a double-headed arrow highlights the time between Exp. 1 and Exp. 2.</p>									

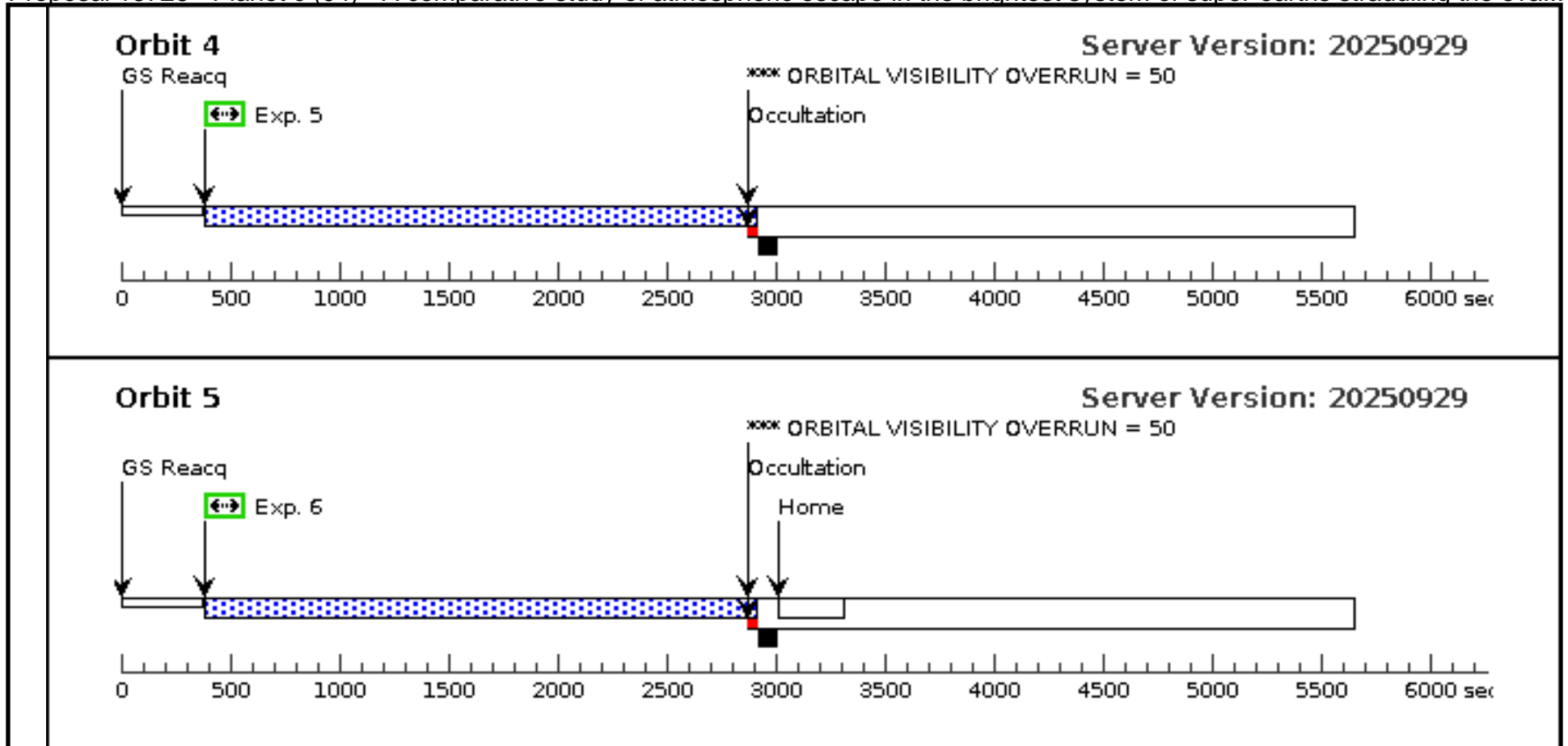
Proposal 16726 - Planet c (04) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

Visit	<p>Proposal 16726, Planet c (04), completed Wed Feb 11 17:00:36 GMT 2026</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%; Period 27.59221 D AND ZERO-PHASE HJD2458954.40990</p>																		
	Diagnostics	<p>(Planet c (04)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.</p>																	
<p>(Planet c (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p>																			
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Fixed Targets	<table border="1"> <thead> <tr> <th data-bbox="136 430 241 462">#</th> <th data-bbox="241 430 472 462">Name</th> <th data-bbox="472 430 913 462">Target Coordinates</th> <th data-bbox="913 430 1249 462">Targ. Coord. Corrections</th> <th data-bbox="1249 430 1606 462">Fluxes</th> <th data-bbox="1606 430 2005 462">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td data-bbox="136 462 241 625">(1)</td> <td data-bbox="241 462 472 625"> -NU.02-LUP Alt Name1: HD136352 </td> <td data-bbox="472 462 913 625"> RA: 15 21 48.1511 (230.4506296d) Dec: -48 19 3.46 (-48.31763d) Equinox: J2000 </td> <td data-bbox="913 462 1249 625"> Proper Motion RA: -1624.047 mas/yr Proper Motion Dec: -276.024 mas/yr Parallax: 0.0680818" Epoch of Position: 2000 Radial Velocity: -68.780 km/sec </td> <td data-bbox="1249 462 1606 625">V=5.65</td> <td data-bbox="1606 462 2005 625">Reference Frame: ICRS</td> </tr> <tr> <td colspan="6" data-bbox="136 625 2005 714"> <p><i>Comments:</i> Category=STAR Description=[EXTRA-SOLAR PLANETARY SYSTEM, G V-IV] Extended=NO</p> </td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	-NU.02-LUP Alt Name1: HD136352	RA: 15 21 48.1511 (230.4506296d) Dec: -48 19 3.46 (-48.31763d) Equinox: J2000	Proper Motion RA: -1624.047 mas/yr Proper Motion Dec: -276.024 mas/yr Parallax: 0.0680818" Epoch of Position: 2000 Radial Velocity: -68.780 km/sec	V=5.65	Reference Frame: ICRS	<p><i>Comments:</i> Category=STAR Description=[EXTRA-SOLAR PLANETARY SYSTEM, G V-IV] Extended=NO</p>					
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<p><i>Comments:</i> Category=STAR Description=[EXTRA-SOLAR PLANETARY SYSTEM, G V-IV] Extended=NO</p>																			

Proposal 16726 - Planet c (04) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(COS.ta.152 (1) -NU.02-LUP 2351)	COS/NUV, ACQ/IMAGE, BOA	MIRRORB		PHASE 0.99315 TO 0.99385		13 Secs (13 Secs) [==>]	[1]
	2	(COS.sp.174 (1) -NU.02-LUP 6796)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2550 Secs (2184 Secs) [==>2184.0 Secs]	[1]
	3	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[2]
	4	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[3]
	5	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[4]
	6	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[5]



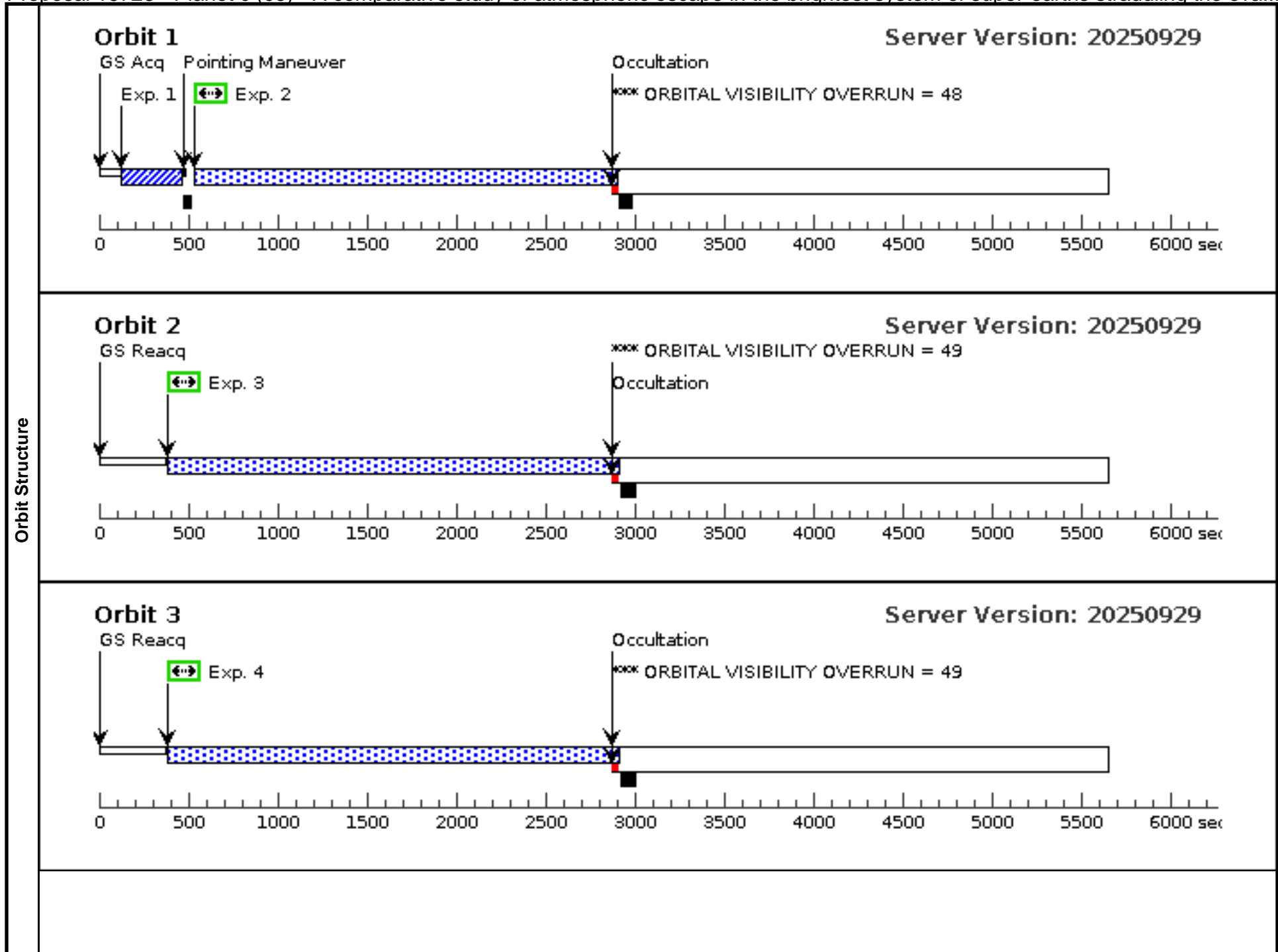


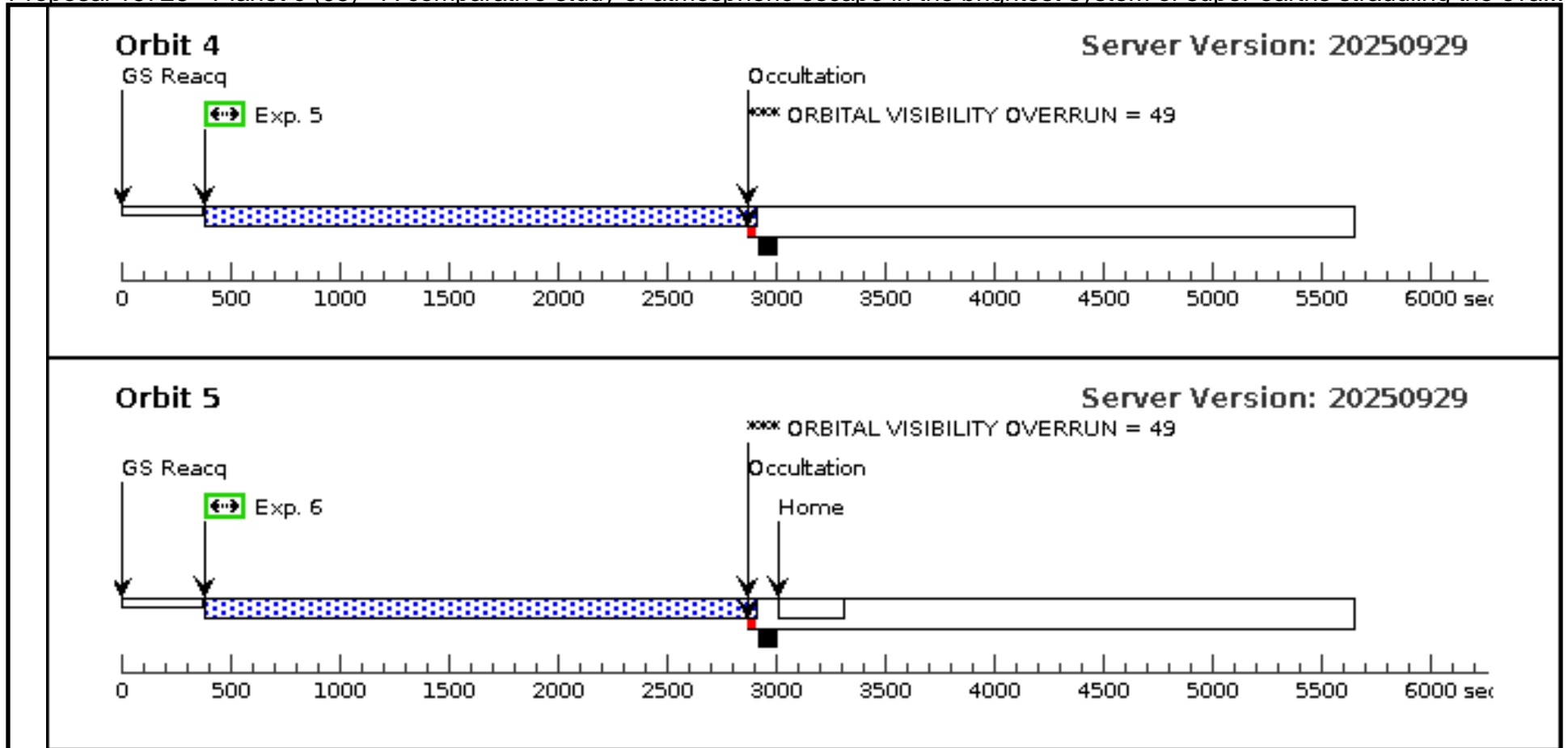
Proposal 16726 - Planet c (05) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

Visit	Proposal 16726, Planet c (05), implementation Wed Feb 11 17:00:36 GMT 2026 Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; Period 27.59221 D AND ZERO-PHASE HJD2458954.40990																																								
	Diagnosics (Planet c (05)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser. (Planet c (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet c (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet c (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet c (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet c (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																																								
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Comments: Category=STAR Description=[EXTRA-SOLAR PLANETARY SYSTEM, G V-IV] Extended=NO																																									

Proposal 16726 - Planet c (05) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(COS.ta.152 (1) -NU.02-LUP 2351)	COS/NUV, ACQ/IMAGE, BOA	MIRRORB		PHASE 0.99475 TO 0.99585		13 Secs (13 Secs) [==>]	[1]
	2	(COS.sp.174 (1) -NU.02-LUP 6796)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2550 Secs (2184 Secs) [==>2184.0 Secs]	[1]
	3	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2476 Secs) [==>2476.0 Secs]	[2]
	4	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2476 Secs) [==>2476.0 Secs]	[3]
	5	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2476 Secs) [==>2476.0 Secs]	[4]
	6	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2476 Secs) [==>2476.0 Secs]	[5]



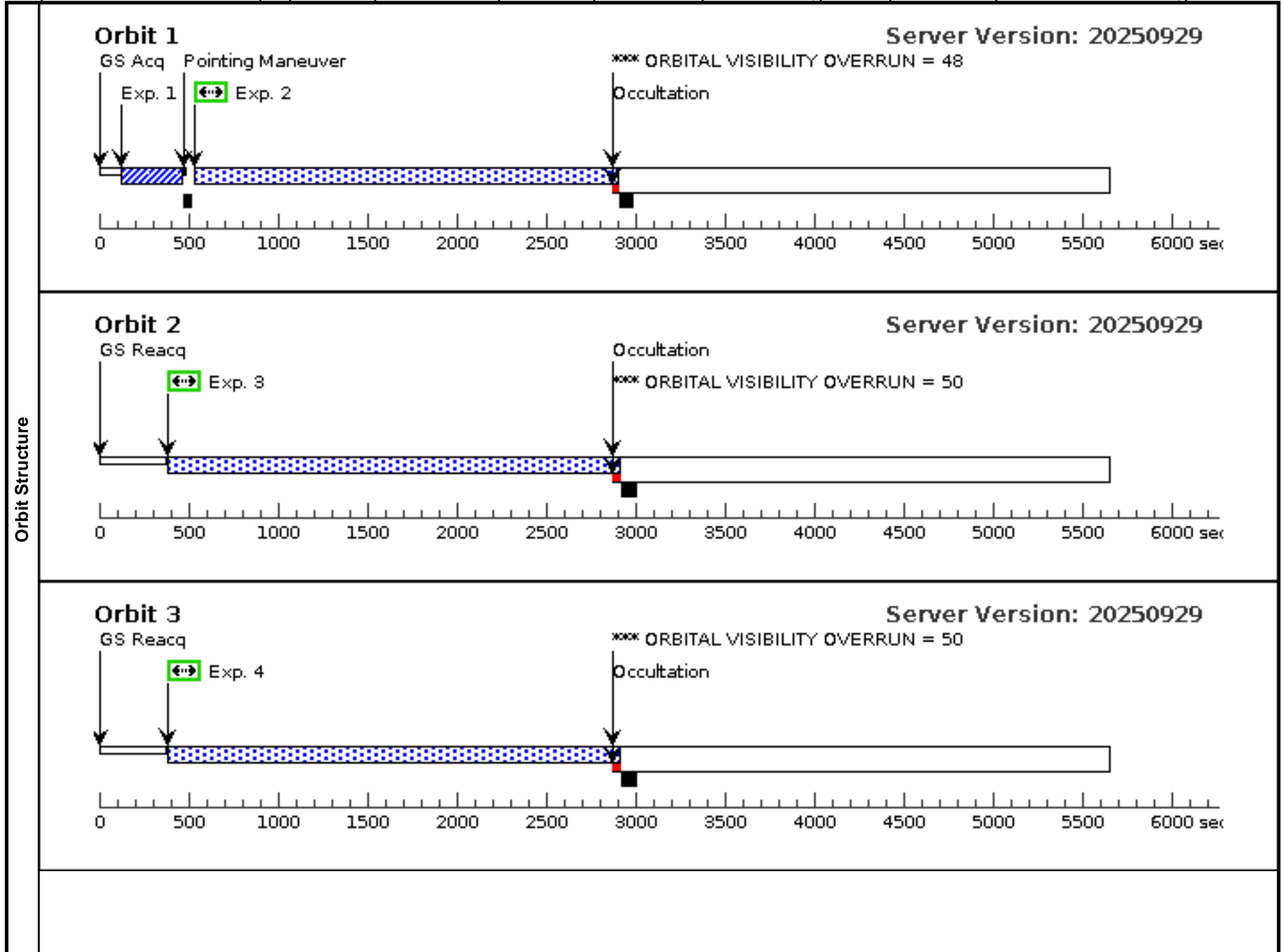


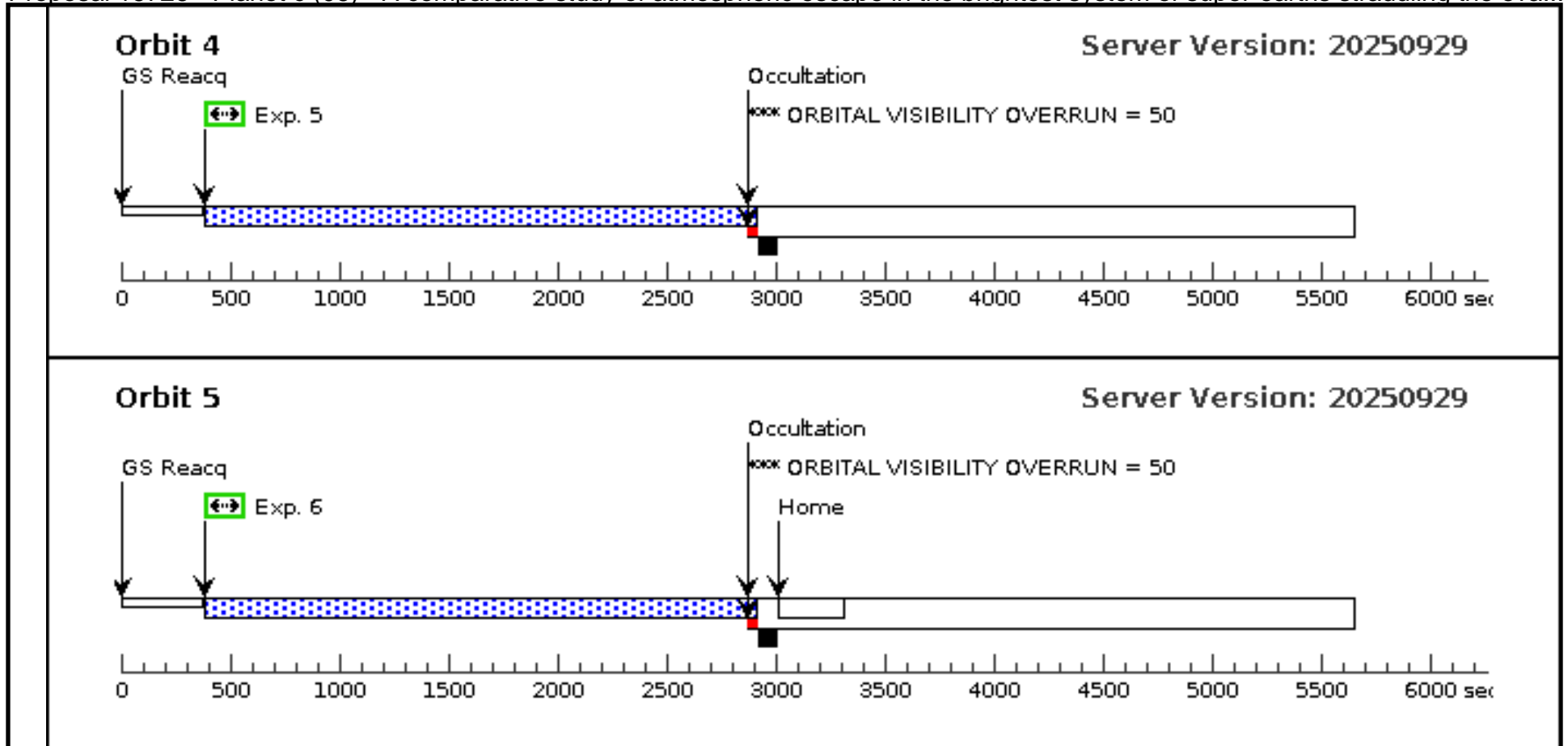
Proposal 16726 - Planet c (06) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

Visit	Proposal 16726, Planet c (06), completed Wed Feb 11 17:00:36 GMT 2026 Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; Period 27.59221 D AND ZERO-PHASE HJD2458954.40990																																								
	Diagnosics (Planet c (06)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser. (Planet c (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet c (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet c (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet c (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet c (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																																								
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Comments: Category=STAR Description=[EXTRA-SOLAR PLANETARY SYSTEM, G V-IV] Extended=NO																																									

Proposal 16726 - Planet c (06) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(COS.ta.152 (1) -NU.02-LUP 2351)	COS/NUV, ACQ/IMAGE, BOA	MIRRORB		PHASE 0.99815 TO 0.99885		13 Secs (13 Secs) [==>]	[1]
	2	(COS.sp.174 (1) -NU.02-LUP 6796)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2550 Secs (2184 Secs) [==>2184.0 Secs]	[1]
	3	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[2]
	4	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[3]
	5	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[4]
	6	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[5]



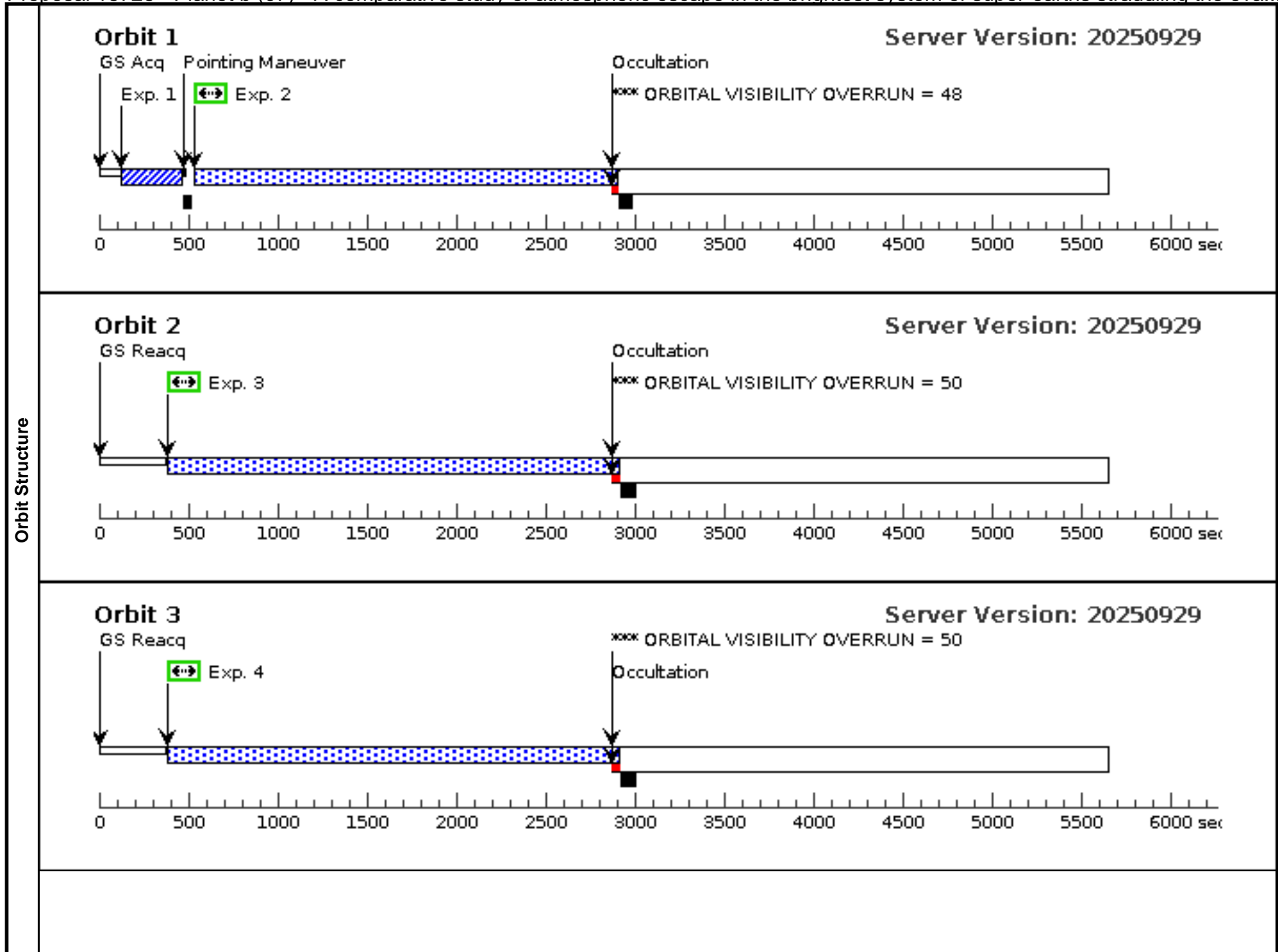


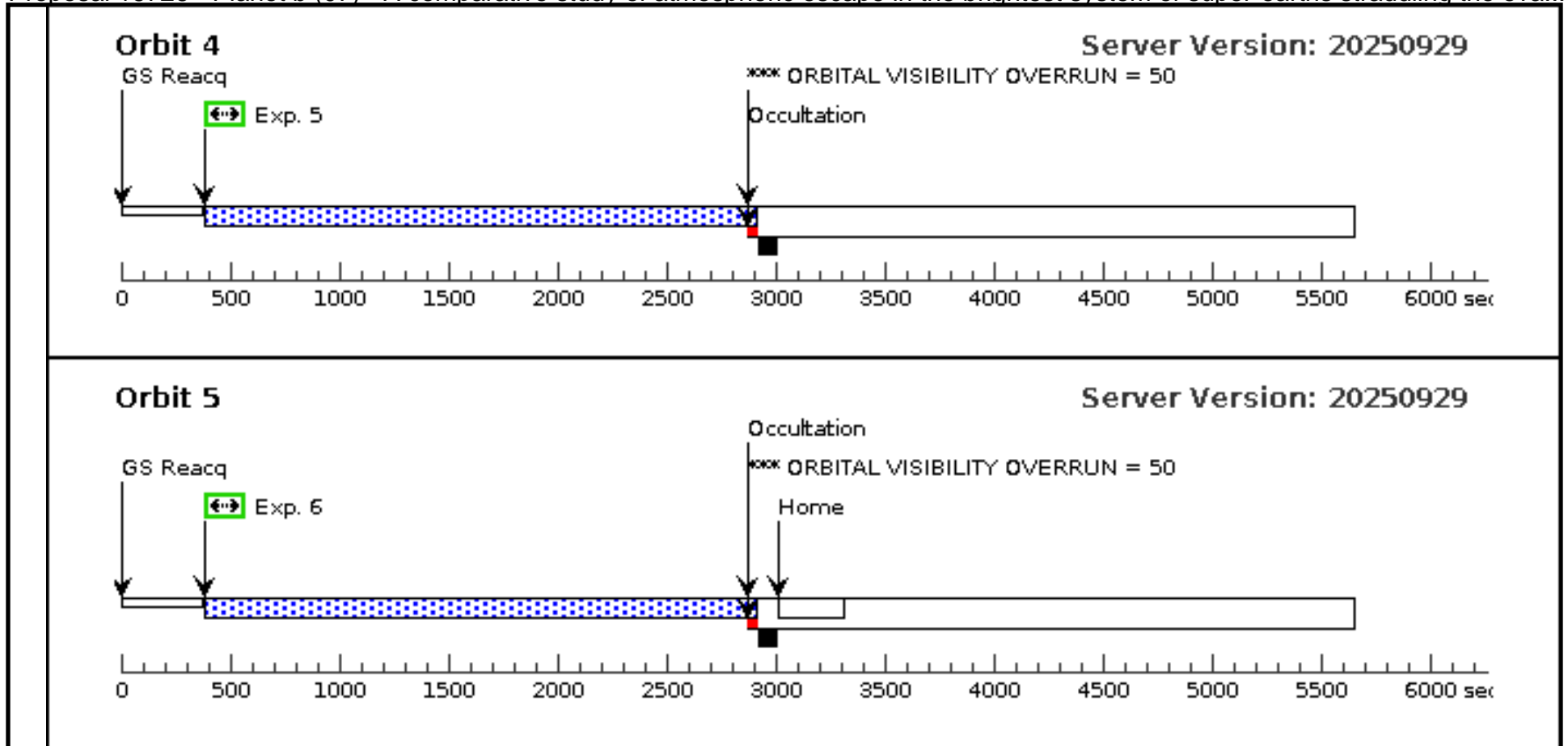
Proposal 16726 - Planet b (07) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

Visit	Proposal 16726, Planet b (07), completed Wed Feb 11 17:00:36 GMT 2026 Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; Period 11.57797 D AND ZERO-PHASE HJD2458944.3726																																								
	Diagnosics (Planet b (07)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser. (Planet b (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet b (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet b (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet b (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Planet b (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																																								
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Comments: Category=STAR Description=[EXTRA-SOLAR PLANETARY SYSTEM, G V-IV] Extended=NO																																									

Proposal 16726 - Planet b (07) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(COS.ta.152 (1) -NU.02-LUP 2351)	COS/NUV, ACQ/IMAGE, BOA	MIRRORB		PHASE 0.9825 TO 0.9845		13 Secs (13 Secs) [==>]	[1]
	2	(COS.sp.152 (1) -NU.02-LUP 2332)	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2550 Secs (2198 Secs) [==>2198.0 Secs]	[1]
	3	(COS.sp.152 (1) -NU.02-LUP 2334)	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[2]
	4	(COS.sp.152 (1) -NU.02-LUP 2334)	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[3]
	5	(COS.sp.152 (1) -NU.02-LUP 2334)	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[4]
	6	(COS.sp.152 (1) -NU.02-LUP 2334)	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[5]





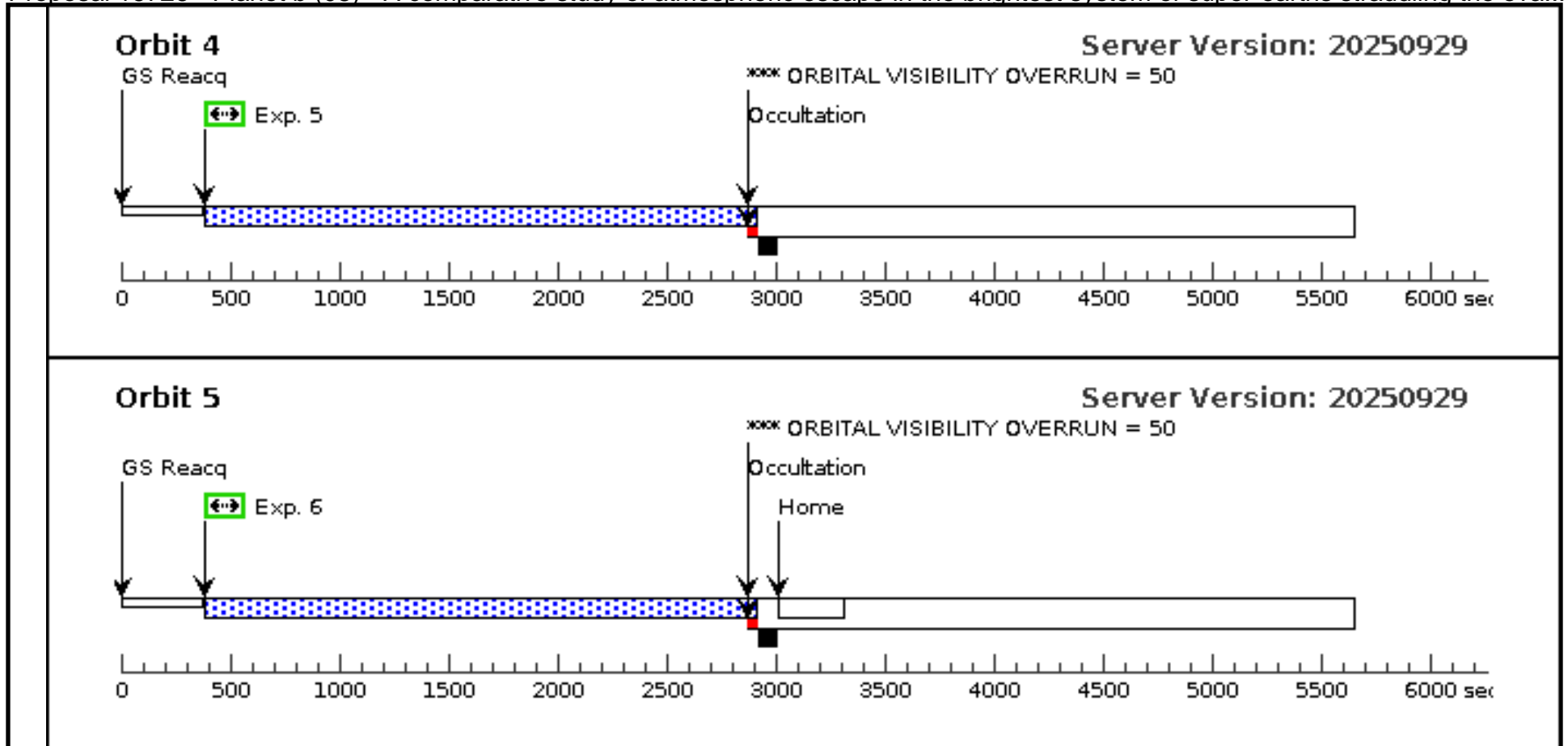
Proposal 16726 - Planet b (08) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

Visit	<p>Proposal 16726, Planet b (08), failed Wed Feb 11 17:00:36 GMT 2026</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%; Period 11.57797 D AND ZERO-PHASE HJD2458944.3726</p>																																								
	<p>(Planet b (08)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.</p> <p>(Planet b (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Planet b (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Planet b (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Planet b (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Planet b (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p>																																								
Fixed Targets	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="136 438 241 462">#</th> <th data-bbox="241 438 472 462">Name</th> <th data-bbox="472 438 903 462">Target Coordinates</th> <th data-bbox="903 438 1249 462">Targ. Coord. Corrections</th> <th data-bbox="1249 438 1596 462">Fluxes</th> <th data-bbox="1596 438 2005 462">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td data-bbox="136 470 241 495">(1)</td> <td data-bbox="241 470 472 495">-NU.02-LUP</td> <td data-bbox="472 470 903 495">RA: 15 21 48.1511 (230.4506296d)</td> <td data-bbox="903 470 1249 495">Proper Motion RA: -1624.047 mas/yr</td> <td data-bbox="1249 470 1596 495">V=5.65</td> <td data-bbox="1596 470 2005 495">Reference Frame: ICRS</td> </tr> <tr> <td></td> <td data-bbox="241 503 472 527">Alt Name1: HD136352</td> <td data-bbox="472 503 903 527">Dec: -48 19 3.46 (-48.31763d)</td> <td data-bbox="903 503 1249 527">Proper Motion Dec: -276.024 mas/yr</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td data-bbox="472 535 903 560">Equinox: J2000</td> <td data-bbox="903 535 1249 560">Parallax: 0.0680818"</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td data-bbox="903 568 1249 592">Epoch of Position: 2000</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td data-bbox="903 600 1249 625">Radial Velocity: -68.780 km/sec</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments:</i> <i>Category=STAR</i> <i>Description=[EXTRA-SOLAR PLANETARY SYSTEM, G V-IV]</i> <i>Extended=NO</i></p>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	-NU.02-LUP	RA: 15 21 48.1511 (230.4506296d)	Proper Motion RA: -1624.047 mas/yr	V=5.65	Reference Frame: ICRS		Alt Name1: HD136352	Dec: -48 19 3.46 (-48.31763d)	Proper Motion Dec: -276.024 mas/yr					Equinox: J2000	Parallax: 0.0680818"						Epoch of Position: 2000						Radial Velocity: -68.780 km/sec		
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Proposal 16726 - Planet b (08) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(COS.ta.152 (1) -NU.02-LUP 2351)	COS/NUV, ACQ/IMAGE, BOA	MIRRORB		PHASE 0.9890 TO 0.9910		13 Secs (13 Secs) [==>]	[1]
	2	(COS.sp.174 (1) -NU.02-LUP 6796)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2550 Secs (2184 Secs) [==>2184.0 Secs]	[1]
	3	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[2]
	4	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[3]
	5	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[4]
	6	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[5]





Proposal 16726 - Planet b (58) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

Visit	<p>Proposal 16726, Planet b (58), completed Wed Feb 11 17:00:36 GMT 2026</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%; Period 11.57797 D AND ZERO-PHASE HJD2458944.3726</p> <p><i>Comments: Repeat of failed visit 08</i></p>																																								
	<p>(Planet b (58)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.</p> <p>(Planet b (58)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Planet b (58)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Planet b (58)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Planet b (58)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Planet b (58)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p>																																								
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<p><i>Comments:</i></p> <p><i>Category=STAR</i></p> <p><i>Description=[EXTRA-SOLAR PLANETARY SYSTEM, G V-IV]</i></p> <p><i>Extended=NO</i></p>																																									

Proposal 16726 - Planet b (58) - A comparative study of atmospheric escape in the brightest system of super-earths straddling the eva...

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(COS.ta.152 (1) -NU.02-LUP 2351)	COS/NUV, ACQ/IMAGE, BOA	MIRRORB		PHASE 0.9890 TO 0.9910		13 Secs (13 Secs) [==>]	[1]
	2	(COS.sp.174 (1) -NU.02-LUP 6796)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2550 Secs (2184 Secs) [==>2184.0 Secs]	[1]
	3	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[2]
	4	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[3]
	5	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[4]
	6	(COS.sp.174 (1) -NU.02-LUP 6797)	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=3400; FP-POS=3; FLASH=YES; SEGMENT=BOTH; LIFETIME-POS=L P3			2829 Secs (2477 Secs) [==>2477.0 Secs]	[5]

