18226 - STELa: Survey of Transiting Exoplanets in Lyman-alpha

Cycle: 33, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

Name	*Institution*
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Dr. Mark Raboin Swain (CoI)	Jet Propulsion Laboratory
Dr. Akash Gupta (CoI)	Princeton University
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Prof. Hilke E. Schlichting (CoI)	University of California - Los Angeles
Dr. Ruth A. Murray-Clay (CoI)	University of California - Santa Cruz
Dr. Leonardo Dos Santos (CoI)	Space Telescope Science Institute
Dr. Sarah Peacock (CoI)	University of Maryland Baltimore County
Dr. Girish M. Duvvuri (CoI)	Vanderbilt University
Dr. David R. Ardila (CoI)	Jet Propulsion Laboratory

VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) GJ143 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:18.0	yes
02	(1) GJ143 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:20.0	yes
03	(2) HD207897 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:21.0	yes
04	(2) HD207897 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:22.0	yes
05	(3) HD95338 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:23.0	yes
06	(3) HD95338 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:25.0	yes
07	(4) K2-136 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:26.0	yes
08	(4) K2-136 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:28.0	yes
09	(5) TOI-1434 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:29.0	yes
10	(5) TOI-1434 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:31.0	yes
11	(6) TOI-2134 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:32.0	yes
12	(6) TOI-2134 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:33.0	yes
13	(6) TOI-2134 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:34.0	yes
14	(6) TOI-2134 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:36.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
15	(6) TOI-2134 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:37.0	yes
16	(6) TOI-2134 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:39.0	yes
17	(7) TOI-2285 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:40.0	yes
18	(7) TOI-2285 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:41.0	yes
19	(8) TOI-2443 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:43.0	yes
20	(8) TOI-2443 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:44.0	yes
21	(9) TOI-260 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:45.0	yes
22	(9) TOI-260 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:46.0	yes
23	(10) TOI-431 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:47.0	yes
24	(10) TOI-431 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:49.0	yes
25	(11) WASP-107 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:49.0	yes
26	(11) WASP-107 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:51.0	yes
27	(12) TOI-2459 WAVE	STIS/CCD STIS/FUV-MAMA	2	11-May-2026 10:00:52.0	yes
28	(12) TOI-2459 WAVE	STIS/CCD STIS/FUV-MAMA	5	11-May-2026 10:00:53.0	yes

98 Total Orbits Used

ABSTRACT

Atmospheric escape is a key process that sculpts the exoplanetary population, especially for planets smaller than Neptune. Transit observations in the Lyman-alpha line allow for direct studies of atmospheric escape, but progress is reaching the limit of what is possible with small programs targeting one or two new planets at a time. To advance atmospheric escape studies into a new statistical regime, we propose the Survey of Transiting Exoplanets in Lyman-alpha (STELa), a Multi-Cycle Treasury program aimed at efficiently probing atmospheric escape across the entire exoplanetary population using a proven reconnaissance-detection-characterization strategy. STELa's statistical sample will map the role of mass loss throughout the population of known exoplanets, investigate the nature of "transitional" worlds such as those in near radius valley, and probe the physical mechanism driving the atmospheric erosion of sub-Neptunes. A wide array of treasury science will be possible with the STELa dataset, including a new 3D map of the local interstellar medium, the first survey of stellar wind strengths within the astropause, an atlas of host star XUV spectra in the mass-rotation plane, and investigations of exosphere-thermosphere-lower atmosphere connections through synergies with He 10830 and JWST observations. Implementing a broad Lyman-alpha transit survey now is essential to enable the scientific leap from ``stamp collecting" to population science within the limited remaining life of the only observatory capable of these observations.

OBSERVING DESCRIPTION

Stage 2 (Cycle 33) observations will observe the Lya transits of target planets using two visit sets of 2 + 5 exposures. The first visit will establish the pre-transit baseline clear of any early ingress. Following an SAA passage, the second visit will measure transit absorption.

Because Stage 1 (Cycle 32) of the STELa program is ongoing, targets will be added periodically to this program throughout Cycle 33 based on a selection process that relies on Stage 1 observations. Each new batch of targets receives a new program number.

The second visit in a set may be offset from mid-optical-transit when this is predicted to increase the detectability of a transit signal based on a grid of simulations where a cometary tail is pushed by the stellar wind:
GJ 143 b 0
HD 207897 b 2
HD 42813 b 0
HD 95338 b 0
K2-136 c 0

TOI-1434 1 0
TOI-2134 b 0
TOI-2134 c 0
TOI-2134 c 9
TOI-2285 b 0
TOI-2443 b 0
TOI-260 b 0
TOI-431 d 0
WASP-107 b 3

STIS G140M observations will be used in most cases, with the aperture chosen for optimal transit SNR based on the target's known Lya emission and the planet's predicted absorption, accounting for instrumental and stellar sources of variability, including slit breathing at the RMS values given in Bohil & Hartig 1998. COS G130M might be used in some cases where the target flux is sufficiently high that using COS is not expected to significantly degrade Lya SNR, thereby enabling simultaneous measurement of the planetary transit in metal lines. STIS E140M may be used in some instances for detector safety. The program will use long slit apertures for E140M to facilitate Lya airglow subtraction. For this batch, the optimal configurations are
GJ 143 b 52x0.2 g140m
HD 207897 b 52x0.2 g140m
HD 42813 b 52x0.2 g140m
HD 95338 b 52x0.2 g140m
K2-136 c 52x0.2 g140m
TOI-1434 1 52x0.1 g140m
TOI-2134 b 52x0.2 g140m
TOI-2134 c 52x0.1 g140m
TOI-2285 b 52x0.2 g140m
TOI-2443 b 52x0.5 g140m
TOI-260 b 52x0.2 g140m
TOI-431 d 52x0.5 g140m
WASP-107 b 52x0.2 g140m

Visit

Proposal 18226, GJ 143 b Baseline (01), implementation Mon May 11 14:00:53 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

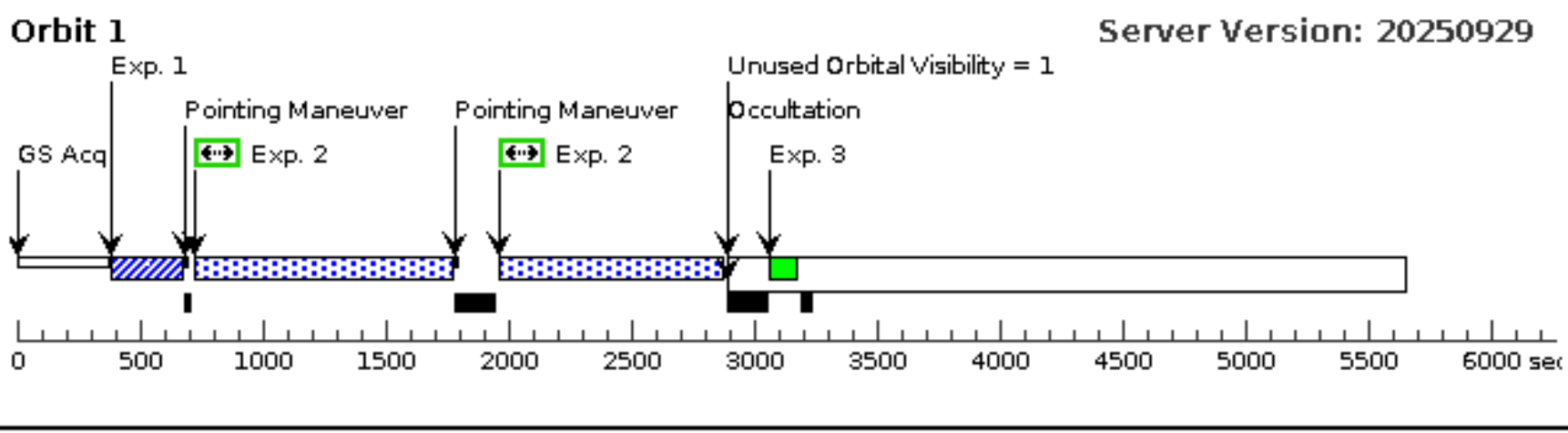
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	GJ143	RA: 03 26 59.2226 (51.7467608d) Dec: -63 29 56.76 (-63.49910d) Equinox: J2000	Proper Motion RA: 355.195 mas/yr Proper Motion Dec: -247.388 mas/yr Parallax: 0.0612271" Epoch of Position: 2000.0 Radial Velocity: 58.094 km/sec	V=8.142999649047852 G=7.69, NUV=16.38	Reference Frame: ICRS

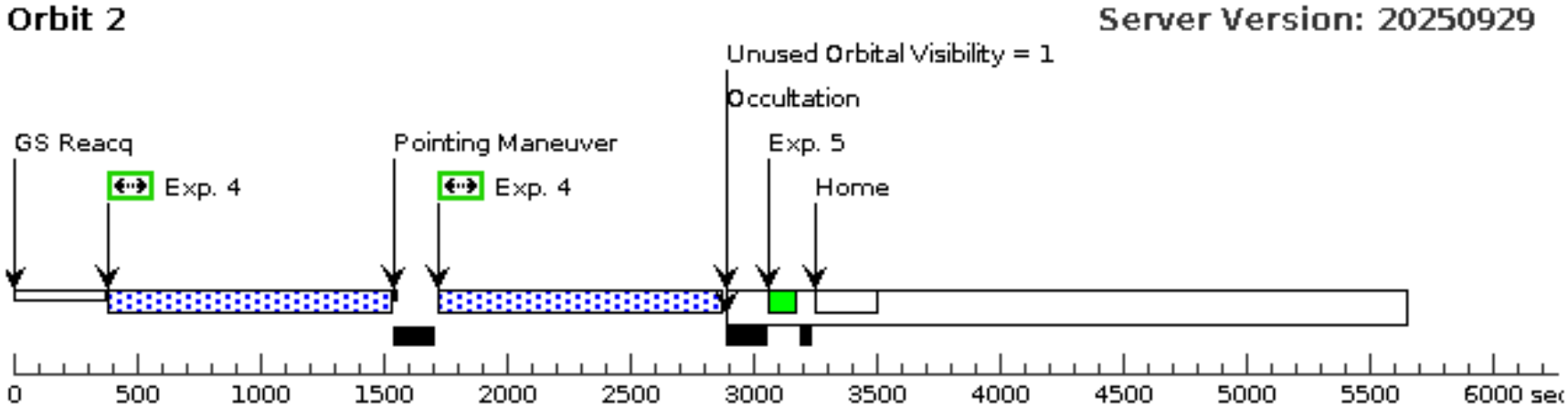
Comments: Predicted Lya flux before ISM absorption 2.8e-13;FUV used for buffer time estimate 21.19;deemed INACTIVE on the basis fuv no more than 3x brighter than median for field stars of similar Teff < 5500;stellar mass 0.73;stellar Teff 4640.00;GALEX fuv mag > 20.87;Rossby number unknown due to no cataloged rotation period;cataloged age of 4 Gyr
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) GJ143	STIS/CCD, ACQ, F25ND3	MIRROR				0.7 Secs (0.7 Secs) *[==>]*	***[1]***
2	(2026273)	(1) GJ143	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in GJ 143 b Baseline (01) (1)	400 Secs (1786 Secs) *[==>893.0 Secs (Pattern 1)]* *[==>893.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(1) GJ143	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in GJ 143 b Baseline (01) (2)	500 Secs (2272 Secs) *[==>1136.0 Secs (Pattern 1)]* *[==>1136.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***

Orbit Structure





Visit

Proposal 18226, GJ 143 b Transit (02), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER_01 BY 6 H TO 24 H; Period 35.61343910000 D AND ZERO-PHASE HJD2461092.54696550

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2), (6), (10)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4), (8)

Fixed Targets

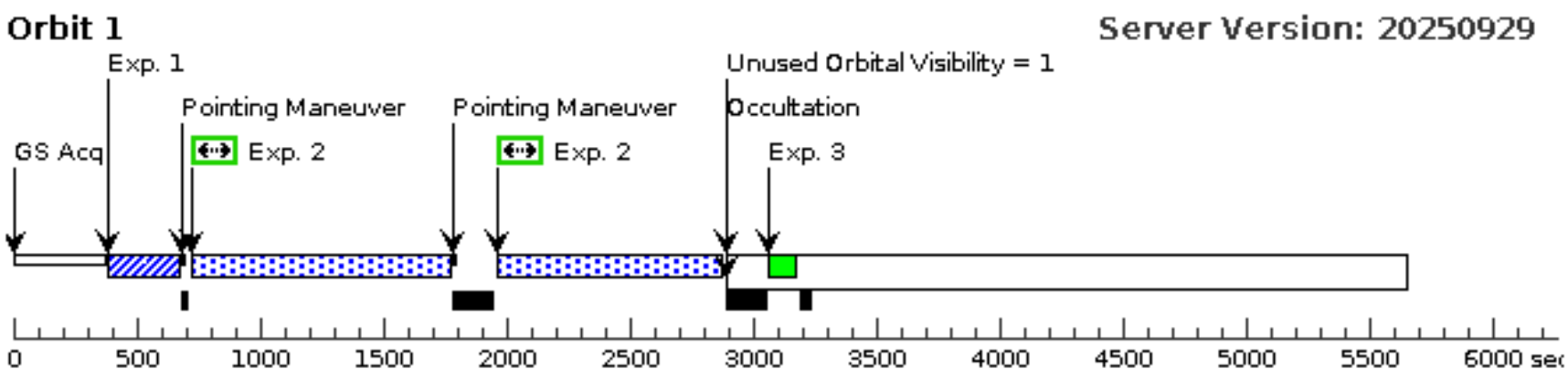
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	GJ143	RA: 03 26 59.2226 (51.7467608d) Dec: -63 29 56.76 (-63.49910d) Equinox: J2000	Proper Motion RA: 355.195 mas/yr Proper Motion Dec: -247.388 mas/yr Parallax: 0.0612271" Epoch of Position: 2000.0 Radial Velocity: 58.094 km/sec	V=8.142999649047852 G=7.69, NUV=16.38	Reference Frame: ICRS

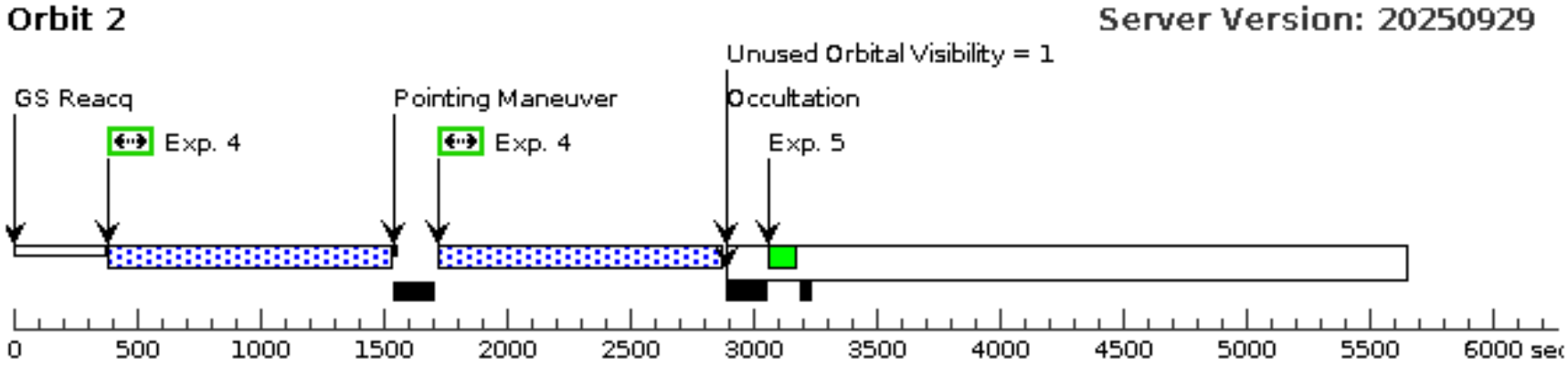
Comments: Predicted Lya flux before ISM absorption 2.8e-13;FUV used for buffer time estimate 21.19;deemed INACTIVE on the basis fuv no more than 3x brighter than median for field stars of similar Teff < 5500;stellar mass 0.73;stellar Teff 4640.00;GALEX fuv mag > 20.87;Rossby number unknown due to no cataloged rotation period;cataloged age of 4 Gyr
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

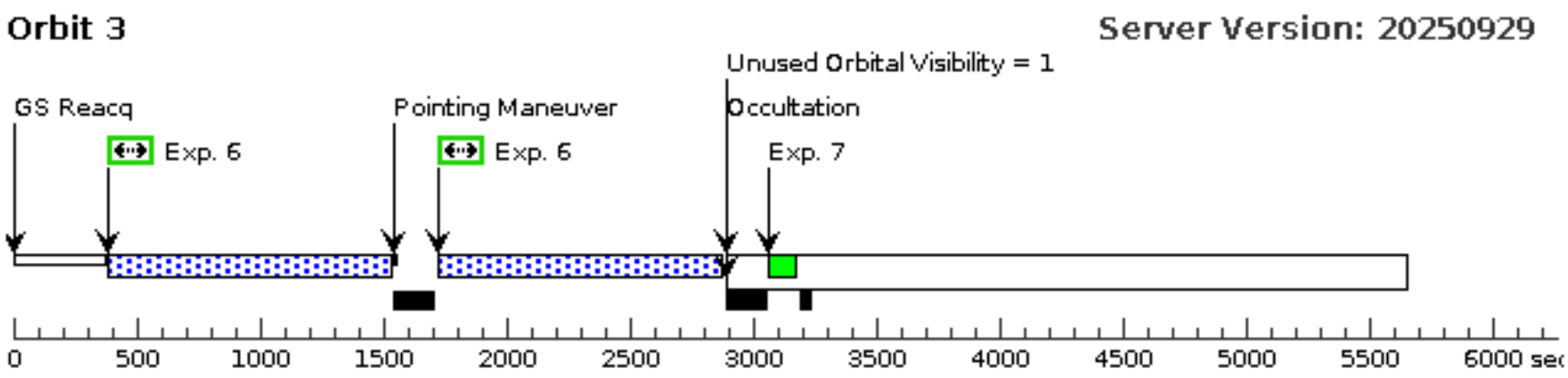
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) GJ143	STIS/CCD, ACQ, F25ND3	MIRROR		PHASE 0.99469710 95339493 TO 0.9970 370501698239		0.7 Secs (0.7 Secs) *[==>]*	*[1]*
2	(2026273)	(1) GJ143	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 2-2 in GJ 143 b Transit (02) (1)	400 Secs (1786 Secs) *[==>893.0 Secs (Pattern 1)]* *[==>893.0 Secs (Pattern 2)]*	*[1]*
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	*[1]*
4	(2026273)	(1) GJ143	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 4-4 in GJ 143 b Transit (02) (2)	500 Secs (2272 Secs) *[==>1136.0 Secs (Pattern 1)]* *[==>1136.0 Secs (Pattern 2)]*	*[2]*
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	*[2]*
6	(2026273)	(1) GJ143	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 6-6 in GJ 143 b Transit (02) (1)	500 Secs (2272 Secs) *[==>1136.0 Secs (Pattern 1)]* *[==>1136.0 Secs (Pattern 2)]*	*[3]*
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	*[3]*
8	(2026273)	(1) GJ143	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 8-8 in GJ 143 b Transit (02) (2)	500 Secs (2272 Secs) *[==>1136.0 Secs (Pattern 1)]* *[==>1136.0 Secs (Pattern 2)]*	*[4]*
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	*[4]*
10	(2026273)	(1) GJ143	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 10-10 in GJ 143 b Transit (02) (1)	500 Secs (2272 Secs) *[==>1136.0 Secs (Pattern 1)]* *[==>1136.0 Secs (Pattern 2)]*	*[5]*
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	*[5]*

Orbit Structure



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Pointing Maneuver
Occultation
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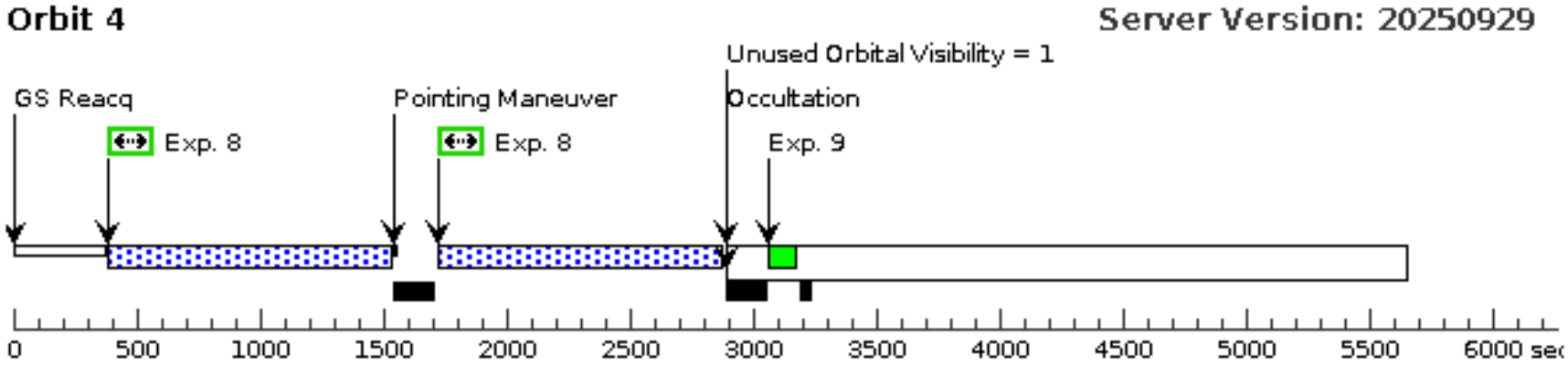
6000 sec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Pointing Maneuver
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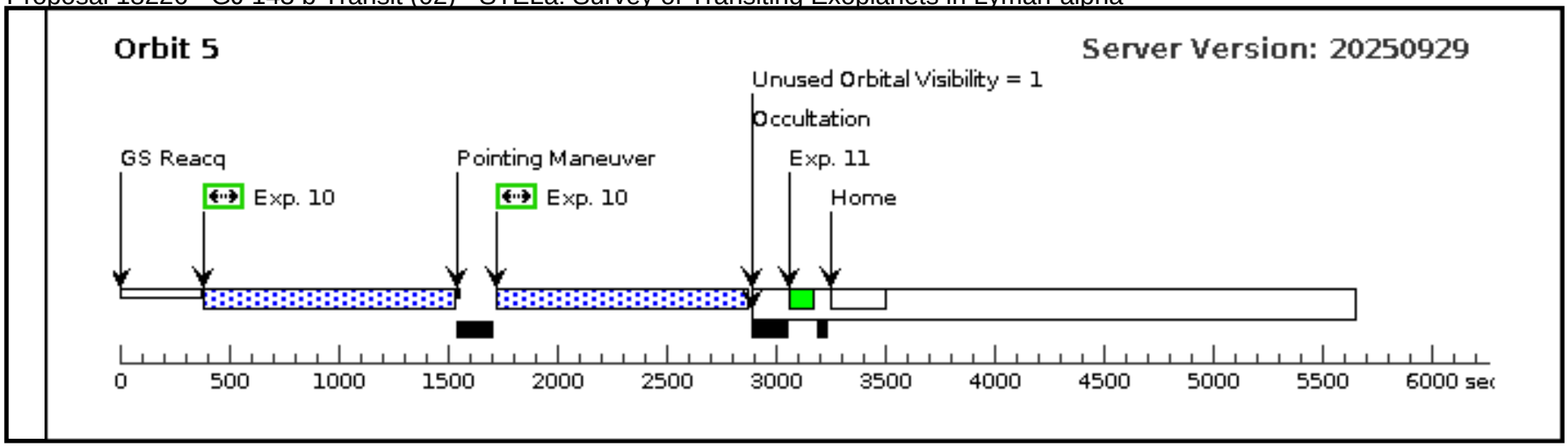
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GS Reacq
Exp. 10
Pointing Maneuver
Exp. 10
Exp. 11
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1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18226, HD 207897 b Baseline (03), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

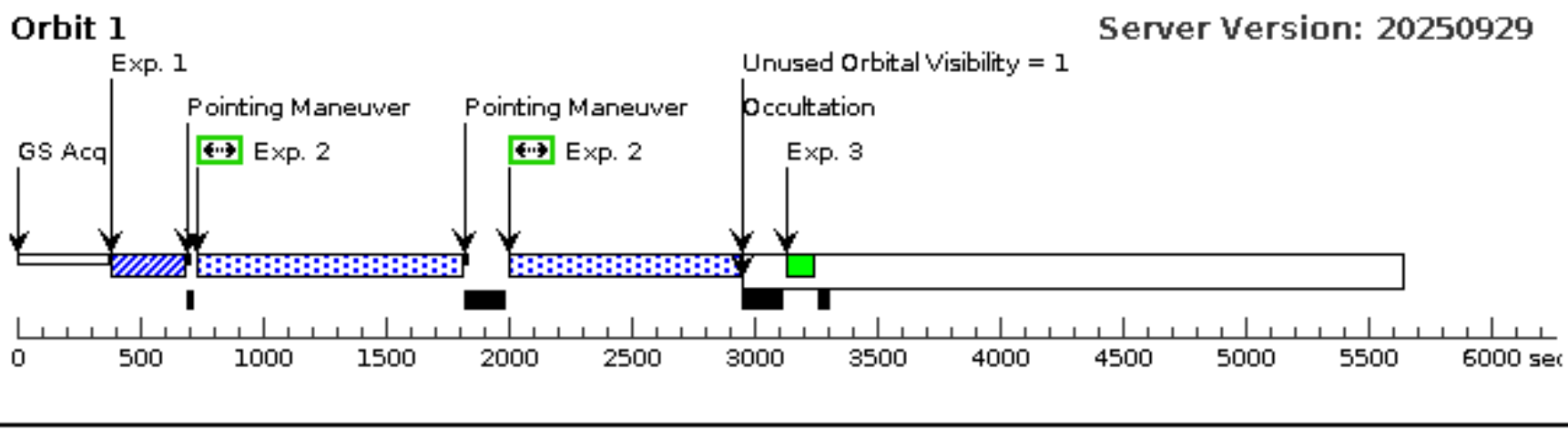
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	HD207897	RA: 21 40 44.7823 (325.1865929d) Dec: +84 20 0.56 (84.33349d) Equinox: J2000	Proper Motion RA: 345.185 mas/yr Proper Motion Dec: 62.884 mas/yr Parallax: 0.0353581" Epoch of Position: 2000.0	V=8.37+/-0.03 G=8.14, NUV=15.34	Reference Frame: ICRS

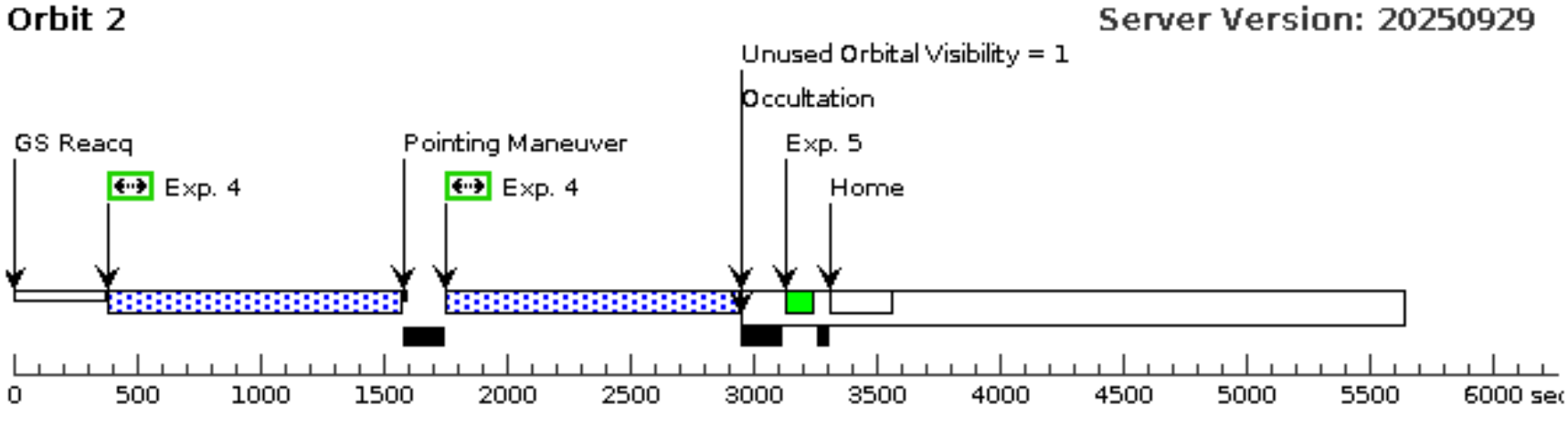
Comments: Predicted Lya flux before ISM absorption 1.9e-13;FUV used for buffer time estimate 24.89;deemed INACTIVE on the basis fuv no more than 3x brighter than median for field stars of similar Teff < 5500;stellar mass 0.82;stellar Teff 5106.00;GALEX fuv mag > 21.52;Rossby number estimate of 3.39 based on measured 37.0 d rotation period;cataloged age of 5 Gyr
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) HD207897	STIS/CCD, ACQ, F25ND3	MIRROR				1.1 Secs (1.1 Secs) *[==>]*	***[1]***
2	(2026273)	(2) HD207897	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in HD 207897 b Baseline (03) (1)	400 Secs (1852 Secs) *[==>926.0 Secs (Pattern 1)]* *[==>926.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(2) HD207897	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in HD 207897 b Baseline (03) (2)	500 Secs (2340 Secs) *[==>1170.0 Secs (Pattern 1)]* *[==>1170.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***

Orbit Structure





Visit

Proposal 18226, HD 207897 b Transit (04), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER 03 BY 6 H TO 24 H; Period 16.20168170000 D AND ZERO-PHASE HJD2461097.13354060

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2), (6), (10)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4), (8)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	HD207897	RA: 21 40 44.7823 (325.1865929d) Dec: +84 20 0.56 (84.33349d) Equinox: J2000	Proper Motion RA: 345.185 mas/yr Proper Motion Dec: 62.884 mas/yr Parallax: 0.0353581" Epoch of Position: 2000.0	V=8.37+/-0.03 G=8.14, NUV=15.34	Reference Frame: ICRS

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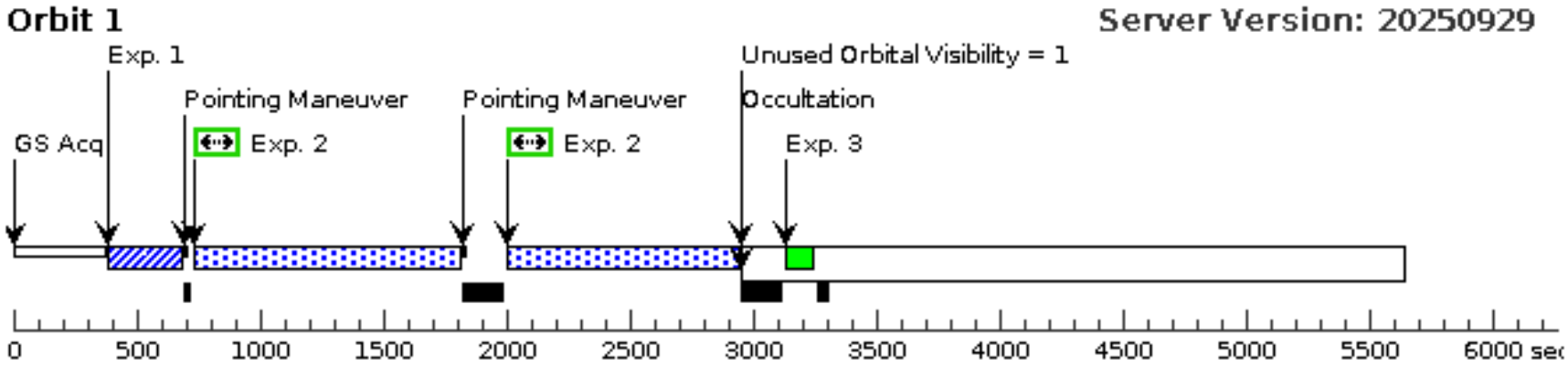
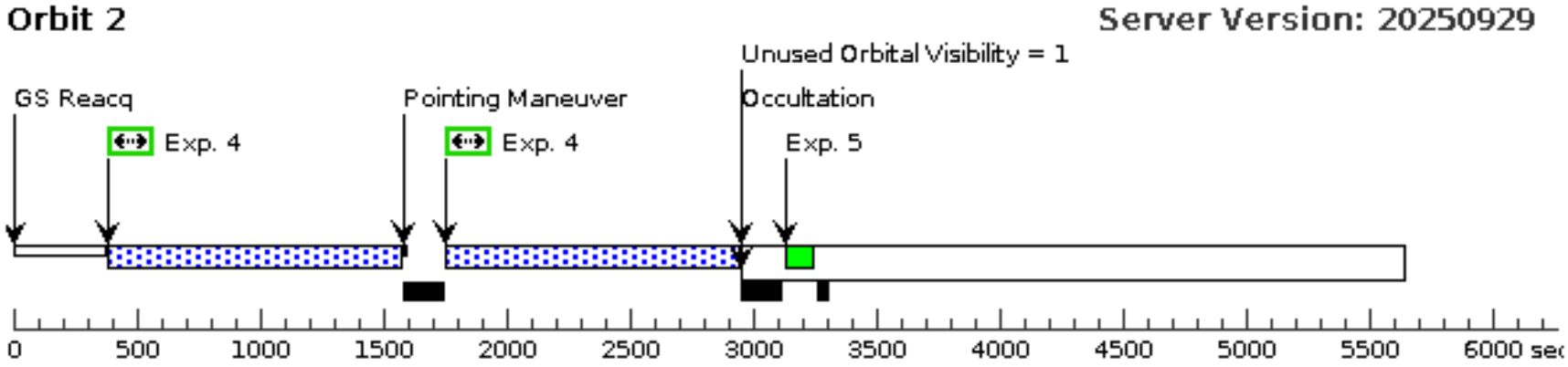
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

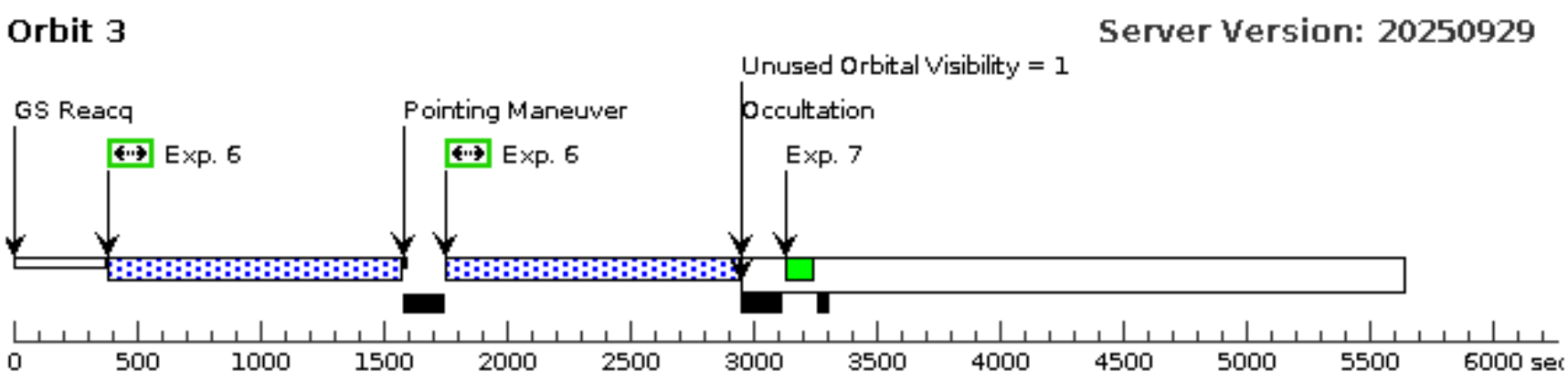
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) HD207897	STIS/CCD, ACQ, F25ND3	MIRROR		PHASE 0.99348704 44138318 TO 0.9986 305433959982		1.1 Secs (1.1 Secs) *[==>]*	***[1]***
2	(2026273)	(2) HD207897	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in HD 207897 b Transit (04) (1)	400 Secs (1852 Secs) *[==>926.0 Secs (Pattern 1)]* *[==>926.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(2) HD207897	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in HD 207897 b Transit (04) (2)	500 Secs (2340 Secs) *[==>1170.0 Secs (Pattern 1)]* *[==>1170.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***
6	(2026273)	(2) HD207897	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 6-6 in HD 207897 b Transit (04) (1)	500 Secs (2340 Secs) *[==>1170.0 Secs (Pattern 1)]* *[==>1170.0 Secs (Pattern 2)]*	***[3]***
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[3]***
8	(2026273)	(2) HD207897	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 8-8 in HD 207897 b Transit (04) (2)	500 Secs (2340 Secs) *[==>1170.0 Secs (Pattern 1)]* *[==>1170.0 Secs (Pattern 2)]*	***[4]***
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[4]***
10	(2026273)	(2) HD207897	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 10-10 in HD 207897 b Transit (04) (1)	500 Secs (2340 Secs) *[==>1170.0 Secs (Pattern 1)]* *[==>1170.0 Secs (Pattern 2)]*	***[5]***
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[5]***

Orbit Structure



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GS Reacq
Pointing Maneuver
Occultation
Exp. 6
Exp. 6
Exp. 7
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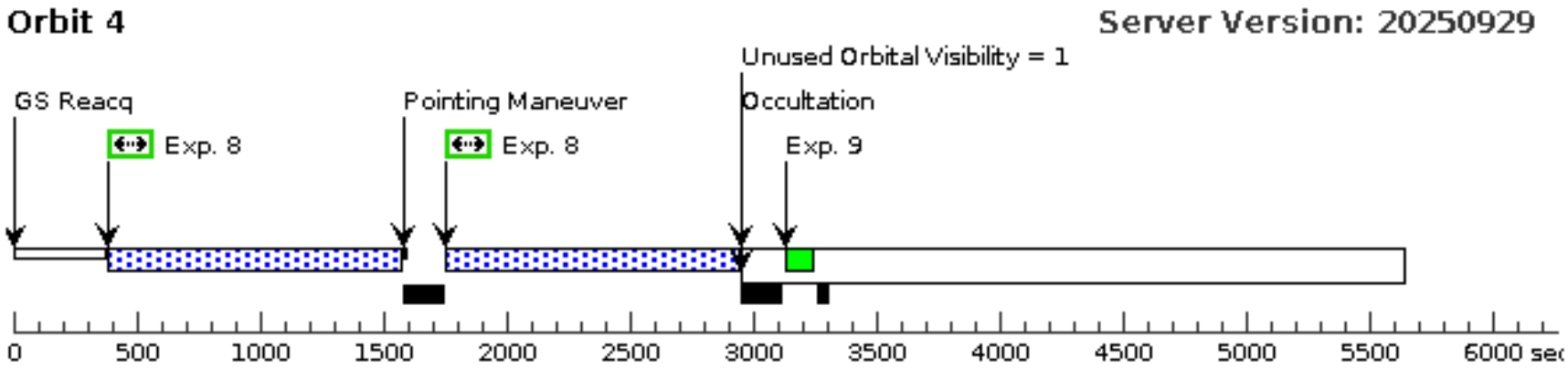
3000
3500
4000
4500
5000
5500
6000 sec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Pointing Maneuver
Occultation
Exp. 8
Exp. 8
Exp. 9
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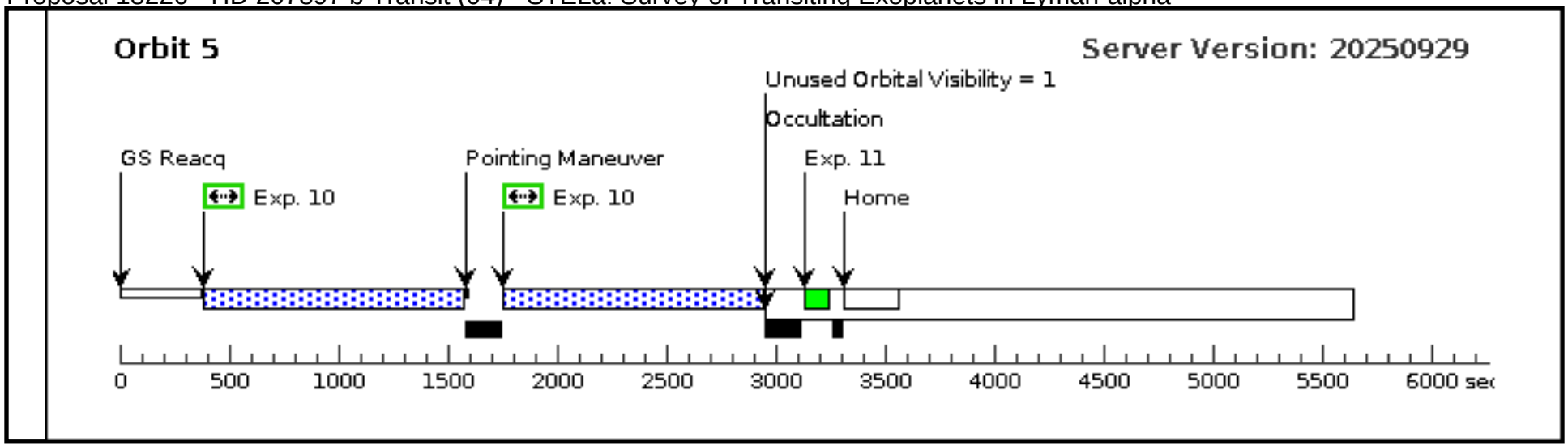
5000
5500
6000 sec


Orbit 5
Server Version: 20250929
Unused Orbital Visibility = 1
Occultation
GS Reacq
Exp. 10
Pointing Maneuver
Exp. 10
Exp. 11
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18226, HD 95338 b Baseline (05), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

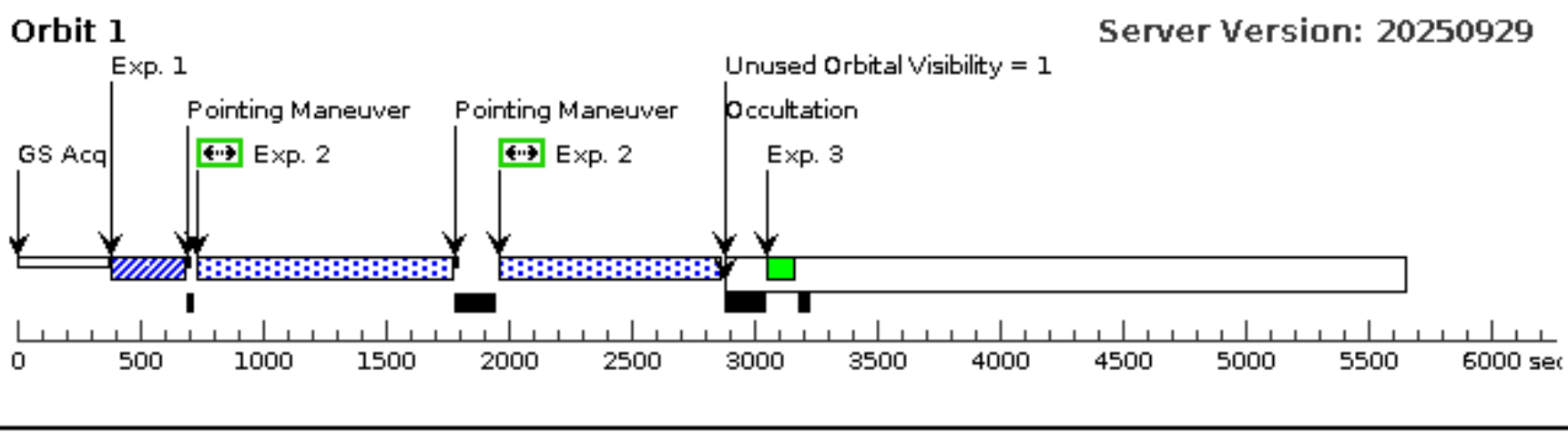
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	HD95338	RA: 10 59 26.3040 (164.8596000d) Dec: -56 37 22.95 (-56.62304d) Equinox: J2000	Proper Motion RA: -417.014 mas/yr Proper Motion Dec: -119.698 mas/yr Parallax: 0.0270521" Epoch of Position: 2000.0 Radial Velocity: 96.58 km/sec	V=8.619999885559082 G=8.39	Reference Frame: ICRS

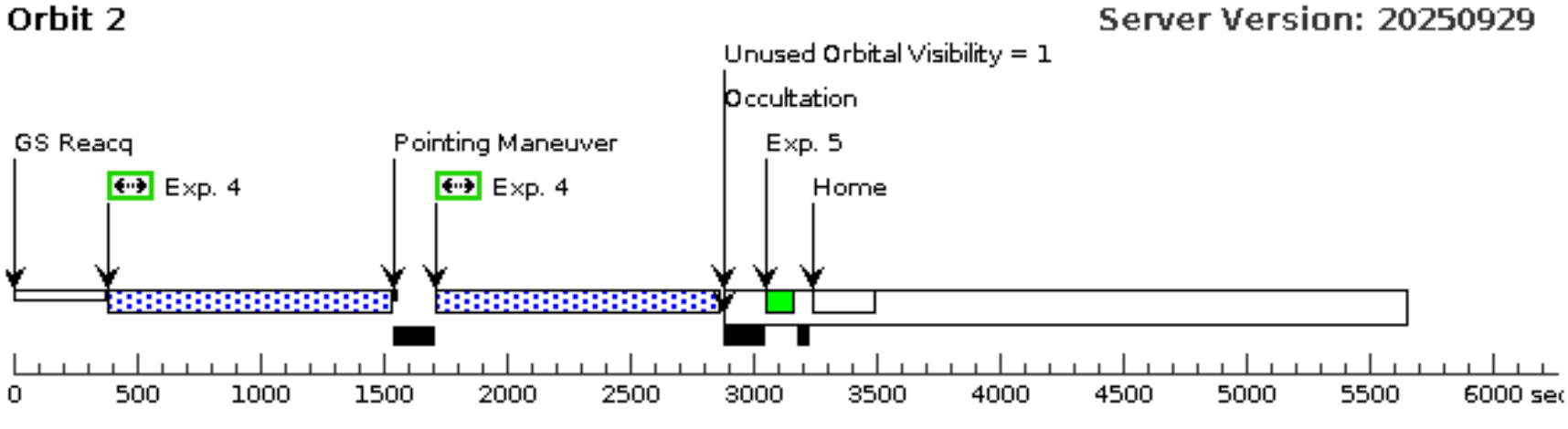
Comments: Predicted Lya flux before ISM absorption 1.3e-13;FUV used for buffer time estimate 22.15;deemed INACTIVE on the basis of age > 1;stellar mass 0.83;stellar Teff 5212.00;no GALEX fuv observation;Rossby number unknown due to no cataloged rotation period;cataloged age of 5 Gyr
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) HD95338	STIS/CCD, ACQ, F25ND3	MIRROR				1.6 Secs (1.6 Secs) *[==>]*	*[1]*
2	(2026273)	(3) HD95338	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in HD 95338 b Baseline (05) (1)	400 Secs (1772 Secs) *[==>886.0 Secs (Pattern 1)]* *[==>886.0 Secs (Pattern 2)]*	*[1]*
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	*[1]*
4	(2026273)	(3) HD95338	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in HD 95338 b Baseline (05) (2)	500 Secs (2262 Secs) *[==>1131.0 Secs (Pattern 1)]* *[==>1131.0 Secs (Pattern 2)]*	*[2]*
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	*[2]*

Orbit Structure





Visit

Proposal 18226, HD 95338 b Transit (06), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER 05 BY 6 H TO 24 H; Period 55.082694 D AND ZERO-PHASE HJD2461119.08479400

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2), (6), (10)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4), (8)

Fixed Targets

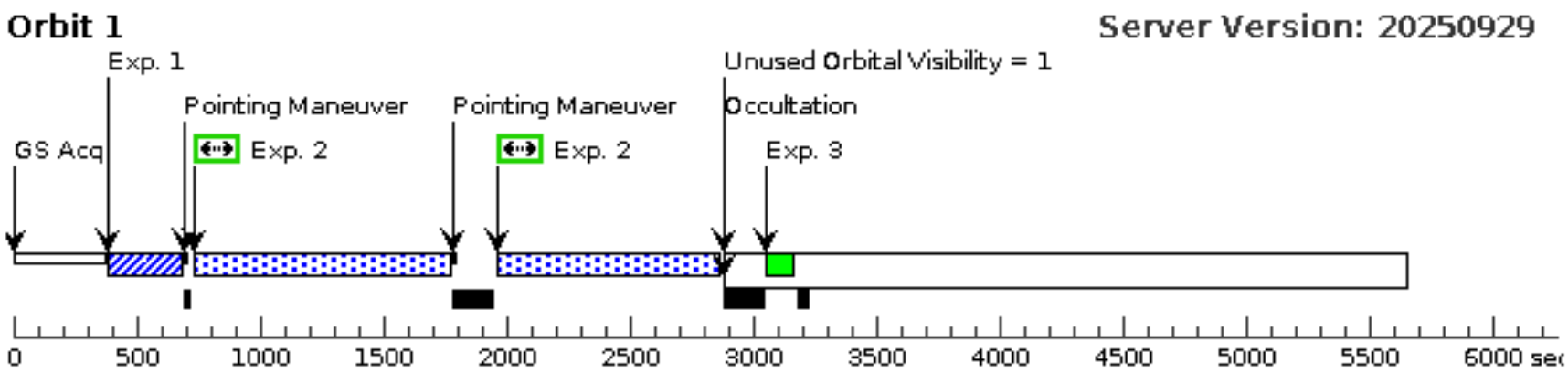
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	HD95338	RA: 10 59 26.3040 (164.8596000d) Dec: -56 37 22.95 (-56.62304d) Equinox: J2000	Proper Motion RA: -417.014 mas/yr Proper Motion Dec: -119.698 mas/yr Parallax: 0.0270521" Epoch of Position: 2000.0 Radial Velocity: 96.58 km/sec	V=8.619999885559082 G=8.39	Reference Frame: ICRS

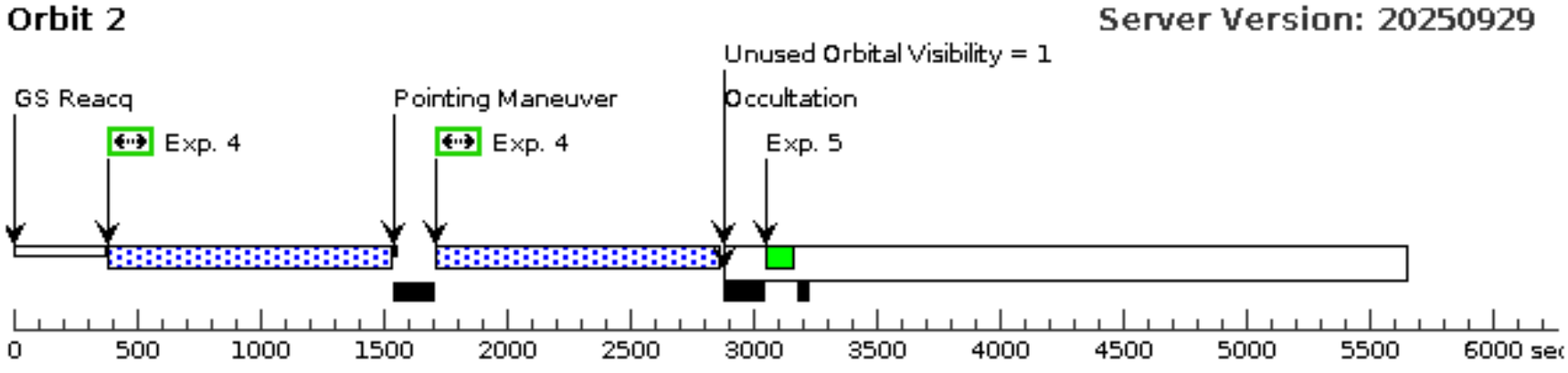
Comments: Predicted Lya flux before ISM absorption 1.3e-13;FUV used for buffer time estimate 22.15;deemed INACTIVE on the basis of age > 1;stellar mass 0.83;stellar Teff 5212.00;no GALEX fuv observation;Rossby number unknown due to no cataloged rotation period;cataloged age of 5 Gyr
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

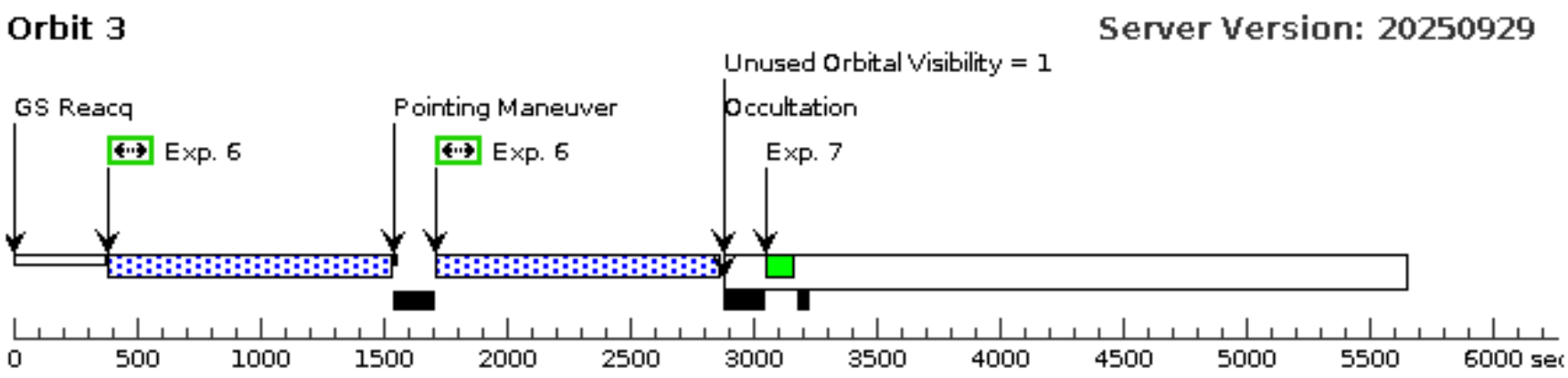
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) HD95338	STIS/CCD, ACQ, F25ND3	MIRROR		PHASE 0.99657144 28080321 TO 0.9980 843196715591		1.6 Secs (1.6 Secs) *[==>]*	***[1]***
2	(2026273)	(3) HD95338	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 2-2 in HD 95338 b Transit (06) (1)	400 Secs (1772 Secs) *[==>886.0 Secs (Pattern 1)]* *[==>886.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(3) HD95338	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 4-4 in HD 95338 b Transit (06) (2)	500 Secs (2262 Secs) *[==>1131.0 Secs (Pattern 1)]* *[==>1131.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***
6	(2026273)	(3) HD95338	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 6-6 in HD 95338 b Transit (06) (1)	500 Secs (2262 Secs) *[==>1131.0 Secs (Pattern 1)]* *[==>1131.0 Secs (Pattern 2)]*	***[3]***
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[3]***
8	(2026273)	(3) HD95338	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 8-8 in HD 95338 b Transit (06) (2)	500 Secs (2262 Secs) *[==>1131.0 Secs (Pattern 1)]* *[==>1131.0 Secs (Pattern 2)]*	***[4]***
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[4]***
10	(2026273)	(3) HD95338	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 10-10 in HD 95338 b Transit (06) (1)	500 Secs (2262 Secs) *[==>1131.0 Secs (Pattern 1)]* *[==>1131.0 Secs (Pattern 2)]*	***[5]***
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[5]***

Orbit Structure



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GS Reacq
Pointing Maneuver
Occultation
Exp. 6
Exp. 6
Exp. 7
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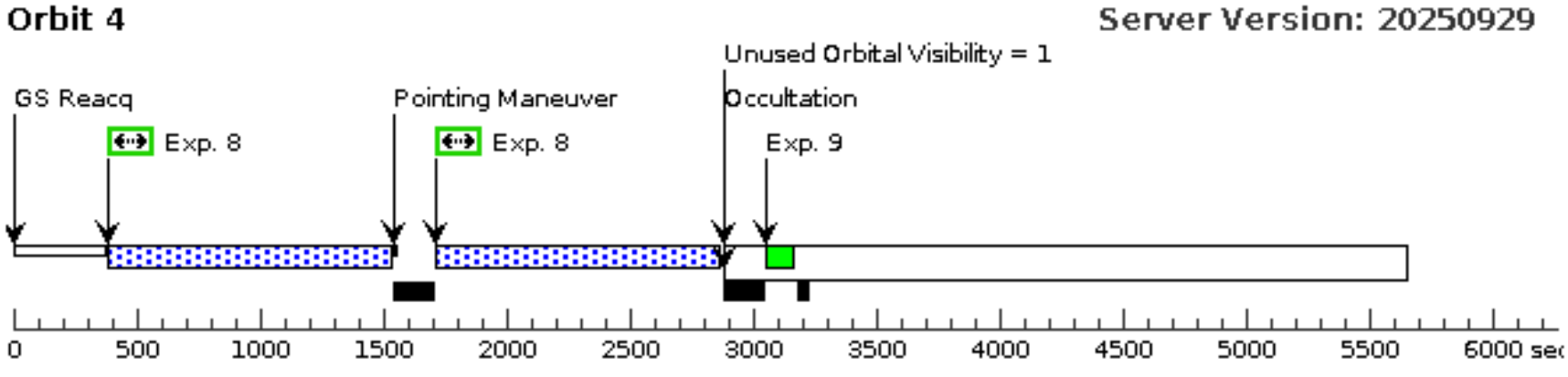
2500
3000
3500
4000
4500
5000
5500
6000 sec


Orbit 4
Server Version: 20250929
Unused Orbital Visibility = 1
GS Reacq
Pointing Maneuver
Occultation
Exp. 8
Exp. 8
Exp. 9
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3000
3500
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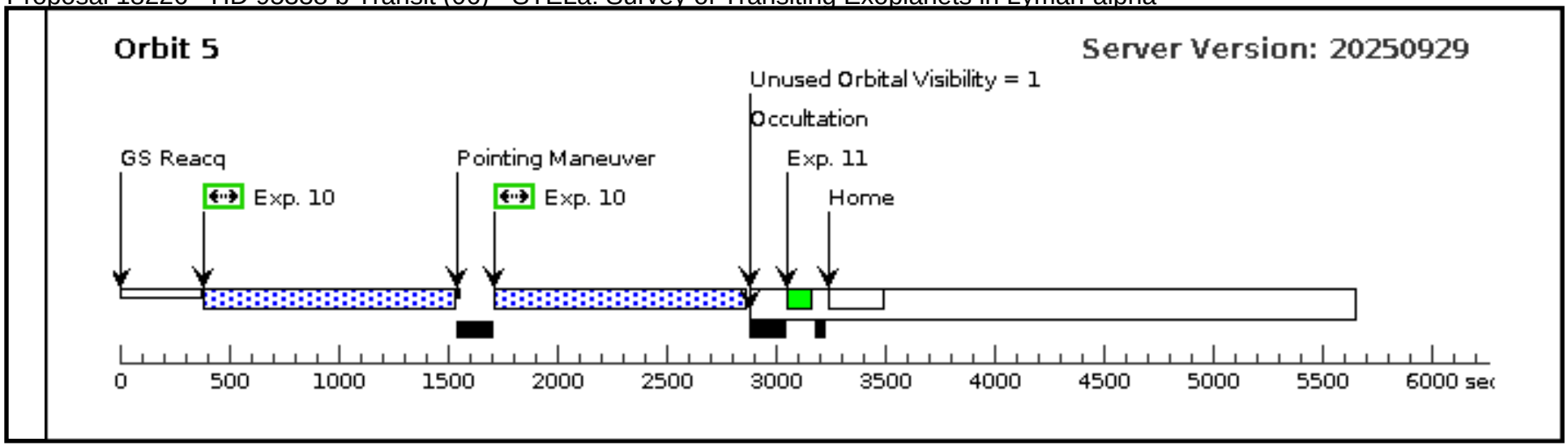
4500
5000
5500
6000 sec


Orbit 5
Server Version: 20250929
Unused Orbital Visibility = 1
Occultation
GS Reacq
Exp. 10
Pointing Maneuver
Exp. 10
Exp. 11
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18226, K2-136 c Baseline (07), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

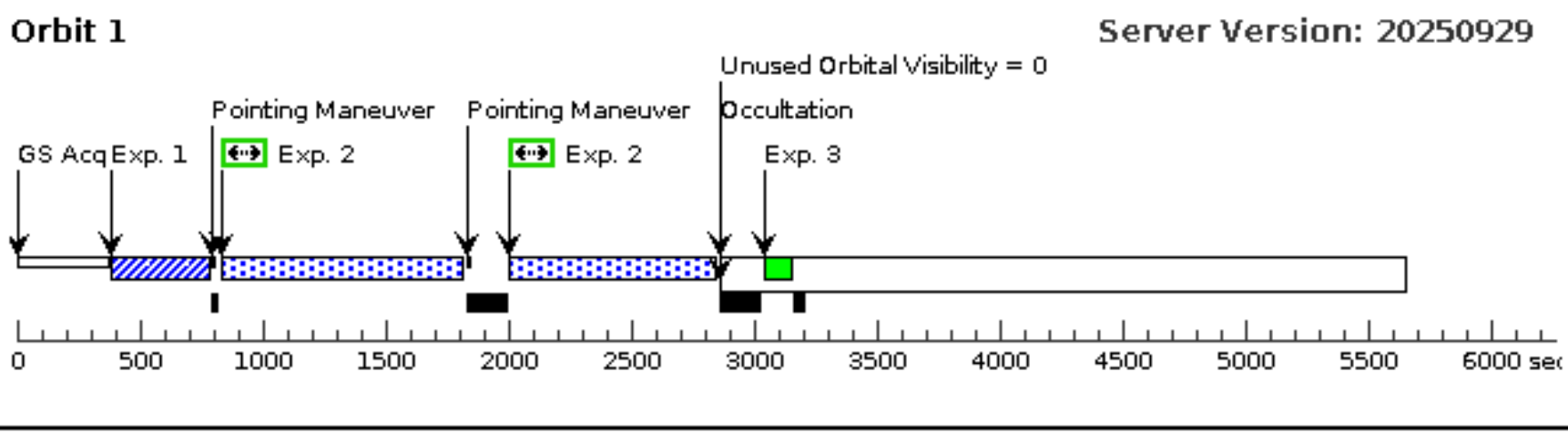
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	K2-136	RA: 04 29 38.9939 (67.4124746d) Dec: +22 52 57.79 (22.88272d) Equinox: J2000	Proper Motion RA: 82.778 mas/yr Proper Motion Dec: -35.541 mas/yr Parallax: 0.0169818" Epoch of Position: 2000.0 Radial Velocity: 39.2 km/sec	V=11.199999809265137+/-0.00 9999999776482582 G=10.853677749633789	Reference Frame: ICRS

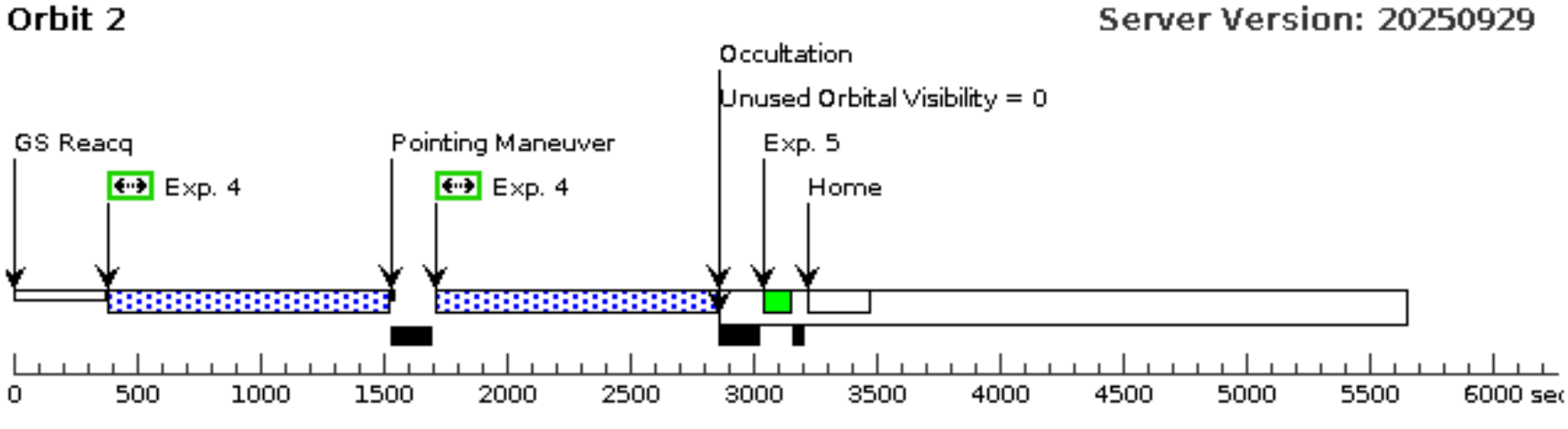
Comments:
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(4) K2-136	STIS/CCD, ACQ, F25ND3	MIRROR				28.3 Secs (28.3 Secs) *[==>]*	***[1]***
2	(2026273)	(4) K2-136	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in K2-136 c Baseline (07) (1)	400 Secs (1650 Secs) *[==>825.0 Secs (Pattern 1)]* *[==>825.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(4) K2-136	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in K2-136 c Baseline (07) (2)	500 Secs (2246 Secs) *[==>1123.0 Secs (Pattern 1)]* *[==>1123.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***

Orbit Structure





Visit

Proposal 18226, K2-136 c Transit (08), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER 07 BY 6 H TO 24 H; Period 17.30706310000 D AND ZERO-PHASE HJD2461101.05885190

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2), (6), (10)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4), (8)

Fixed Targets

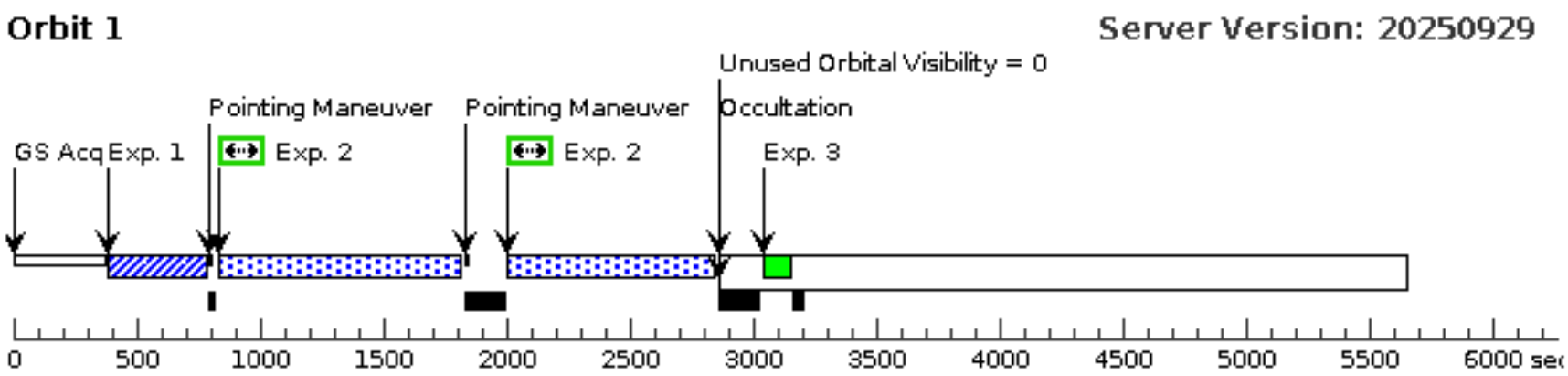
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	K2-136	RA: 04 29 38.9939 (67.4124746d) Dec: +22 52 57.79 (22.88272d) Equinox: J2000	Proper Motion RA: 82.778 mas/yr Proper Motion Dec: -35.541 mas/yr Parallax: 0.0169818" Epoch of Position: 2000.0 Radial Velocity: 39.2 km/sec	V=11.199999809265137+/-0.00 9999999776482582 G=10.853677749633789	Reference Frame: ICRS

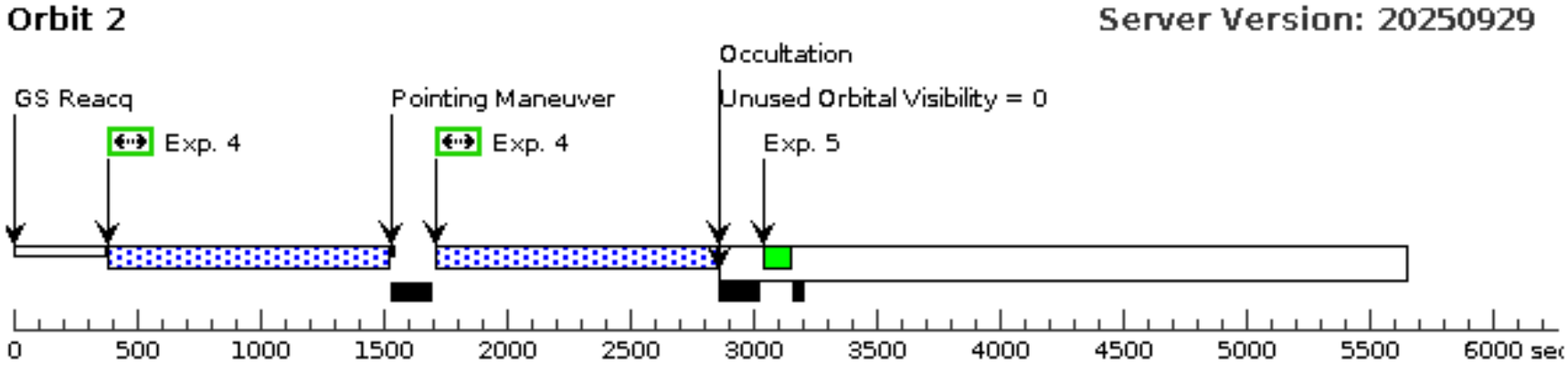
Comments:
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

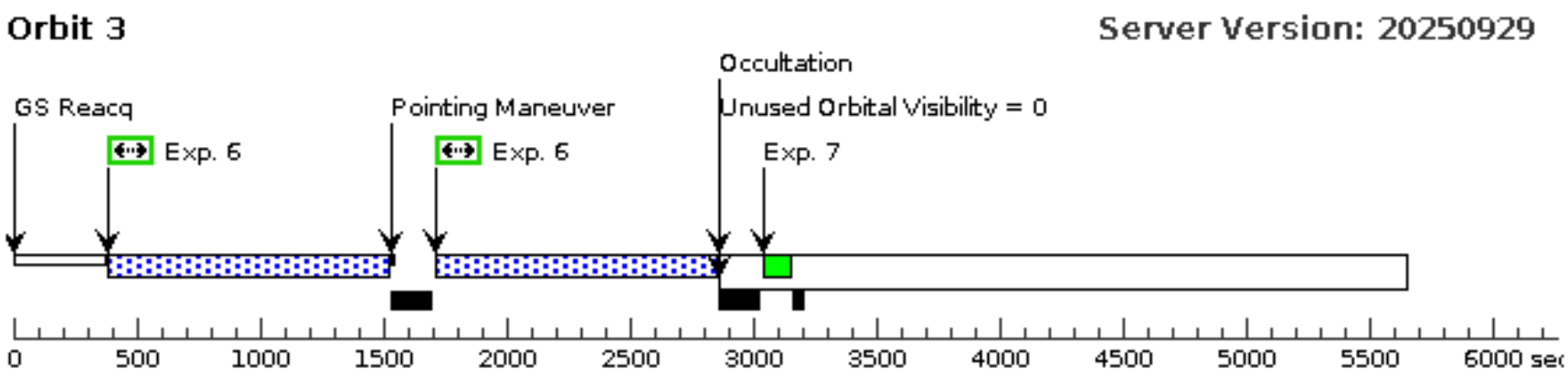
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(4) K2-136	STIS/CCD, ACQ, F25ND3	MIRROR		PHASE 0.98908802 92297156 TO 0.9939 030190897419		28.3 Secs (28.3 Secs) *[==>]*	***[1]***
2	(2026273)	(4) K2-136	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 2-2 in K2-136 c Transit (08) (1)	400 Secs (1650 Secs) *[==>825.0 Secs (Pattern 1)]* *[==>825.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(4) K2-136	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 4-4 in K2-136 c Transit (08) (2)	500 Secs (2246 Secs) *[==>1123.0 Secs (Pattern 1)]* *[==>1123.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***
6	(2026273)	(4) K2-136	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 6-6 in K2-136 c Transit (08) (1)	500 Secs (2246 Secs) *[==>1123.0 Secs (Pattern 1)]* *[==>1123.0 Secs (Pattern 2)]*	***[3]***
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[3]***
8	(2026273)	(4) K2-136	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 8-8 in K2-136 c Transit (08) (2)	500 Secs (2246 Secs) *[==>1123.0 Secs (Pattern 1)]* *[==>1123.0 Secs (Pattern 2)]*	***[4]***
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[4]***
10	(2026273)	(4) K2-136	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 10-10 in K2-136 c Transit (08) (1)	500 Secs (2246 Secs) *[==>1123.0 Secs (Pattern 1)]* *[==>1123.0 Secs (Pattern 2)]*	***[5]***
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[5]***

Orbit Structure



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GS Reacq
Pointing Maneuver
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Exp. 7
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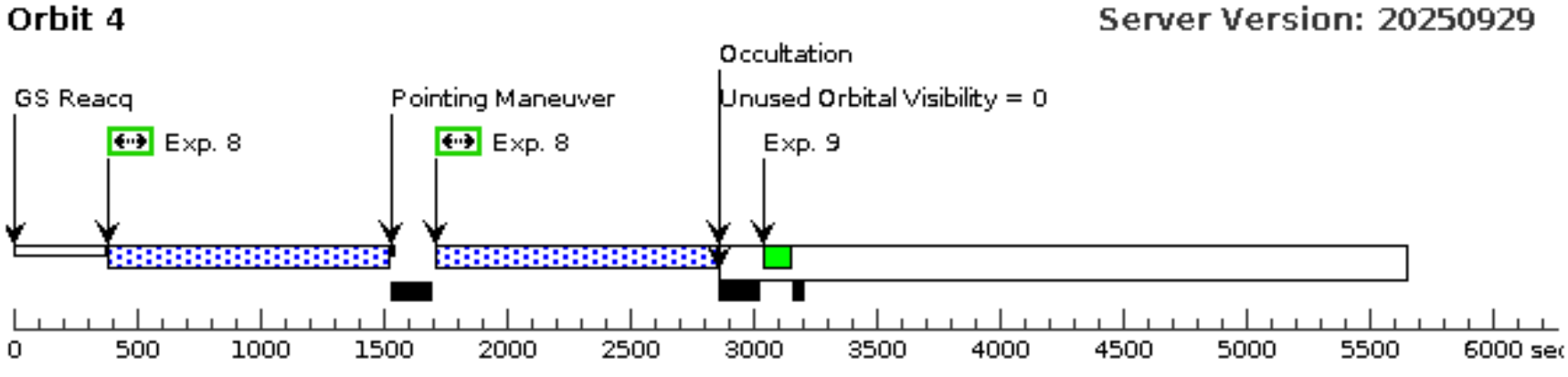
3000
3500
4000
4500
5000
5500
6000 sec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Server Version: 20250929
Occultation
GS Reacq
Pointing Maneuver
Unused Orbital Visibility = 0
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Exp. 8
Exp. 9
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3500
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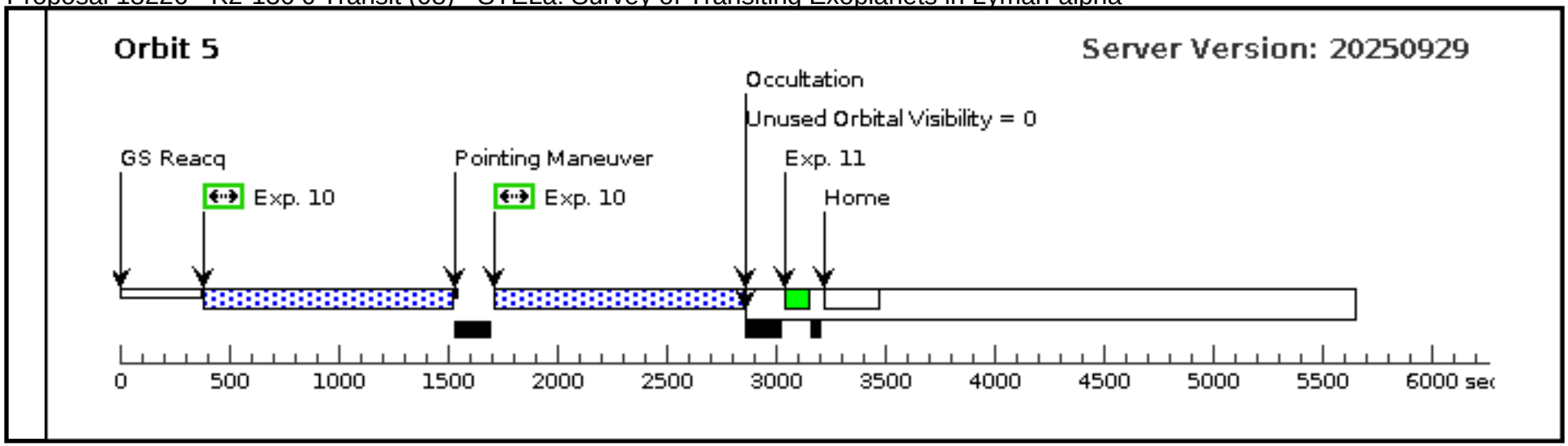
6000 sec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Server Version: 20250929
Occultation
Unused Orbital Visibility = 0
GS Reacq
Exp. 10
Pointing Maneuver
Exp. 10
Exp. 11
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18226, TOI-1434.01 Baseline (09), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

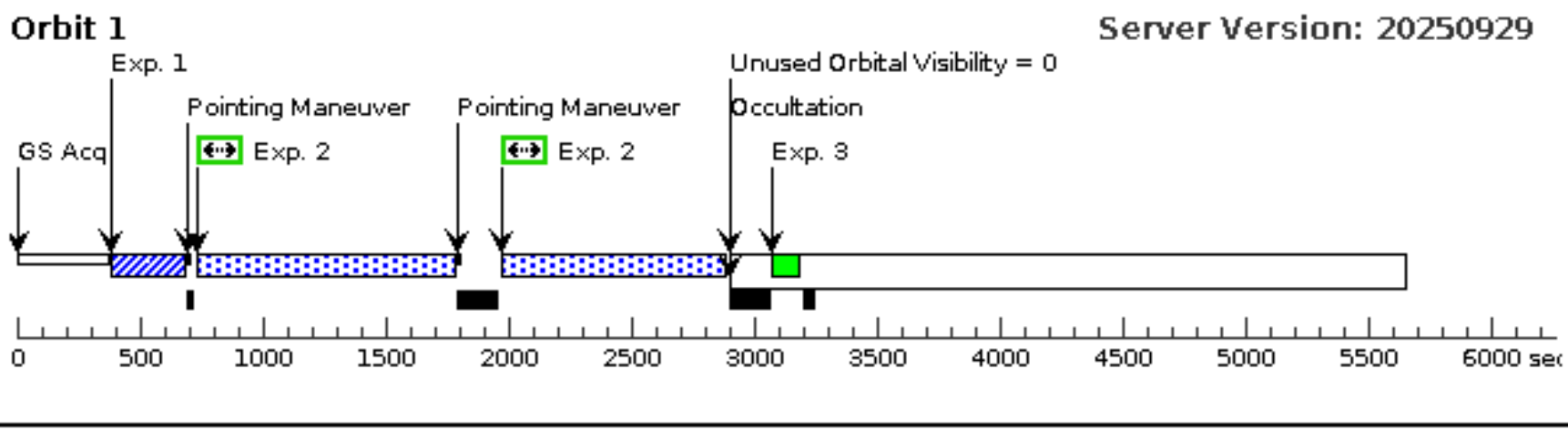
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	TOI-1434	RA: 11 45 31.3382 (176.3805758d) Dec: +65 32 27.54 (65.54098d) Equinox: J2000	Proper Motion RA: 1.419 mas/yr Proper Motion Dec: 76.521 mas/yr Parallax: 0.0264449" Epoch of Position: 2000.0 Radial Velocity: 19.311 km/sec	V=8.75+/-0.0099999997764825 82 G=8.57, NUV=14.87, FUV=22.41	Reference Frame: ICRS

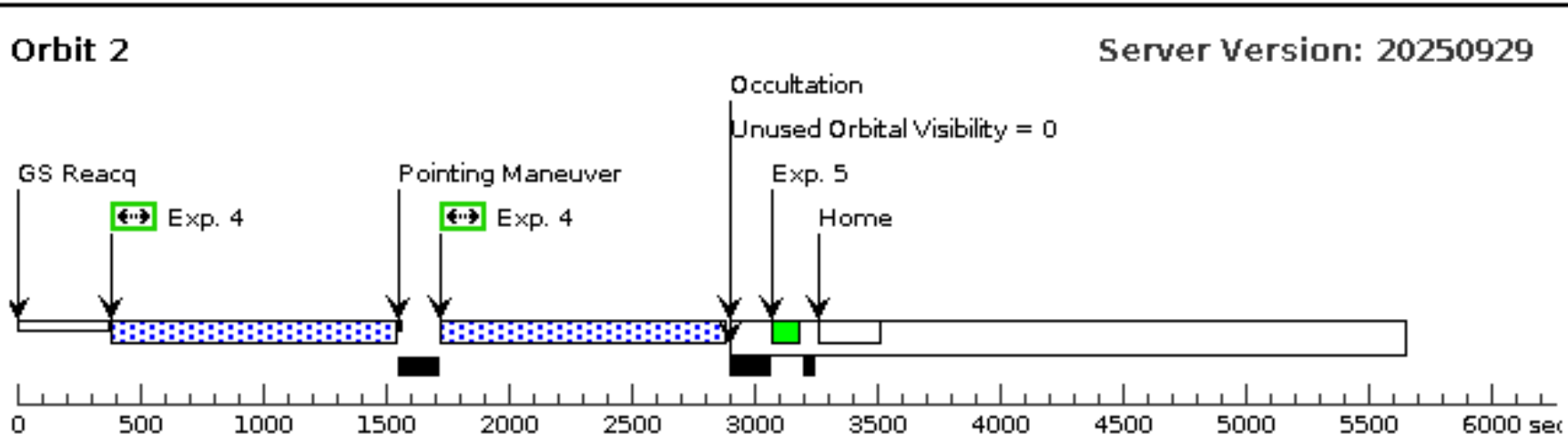
Comments: Predicted Lya flux before ISM absorption 1.7e-13;FUV used for buffer time estimate 22.41;deemed INACTIVE on the basis fuv no more than 3x brighter than median for field stars of similar Teff < 5500;stellar mass 0.91;stellar Teff 5393.86;GALEX fuv mag = 22.41;Rossby number unknown due to no cataloged rotation period;no cataloged age
Category=STAR
Description=[G V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(5) TOI-1434	STIS/CCD, ACQ, F25ND3	MIRROR				2.4 Secs (2.4 Secs) *[==>]*	***[1]***
2	(2026273)	(5) TOI-1434	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-1434.01 Baseline (09) (1)	400 Secs (1794 Secs) *[==>897.0 Secs (Pattern 1)]* *[==>897.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(5) TOI-1434	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-1434.01 Baseline (09) (2)	500 Secs (2282 Secs) *[==>1141.0 Secs (Pattern 1)]* *[==>1141.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[2]***

Orbit Structure





Visit

Proposal 18226, TOI-1434.01 Transit (10), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER 09 BY 6 H TO 24 H; Period 29.87185297252 D AND ZERO-PHASE HJD2461093.15656480

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2), (6), (10)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4), (8)

Fixed Targets

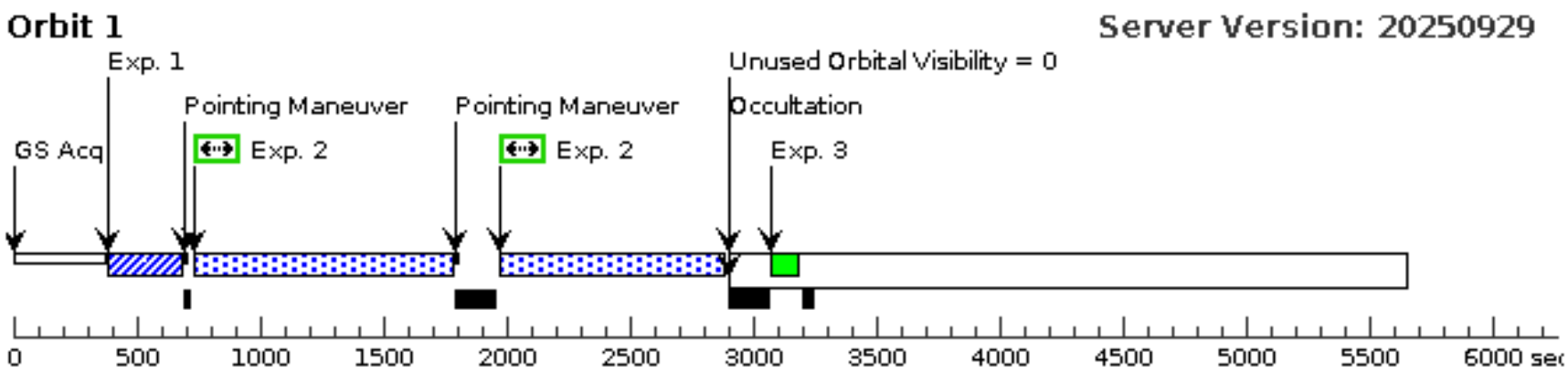
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	TOI-1434	RA: 11 45 31.3382 (176.3805758d) Dec: +65 32 27.54 (65.54098d) Equinox: J2000	Proper Motion RA: 1.419 mas/yr Proper Motion Dec: 76.521 mas/yr Parallax: 0.0264449" Epoch of Position: 2000.0 Radial Velocity: 19.311 km/sec	V=8.75+/-0.0099999997764825 82 G=8.57, NUV=14.87, FUV=22.41	Reference Frame: ICRS

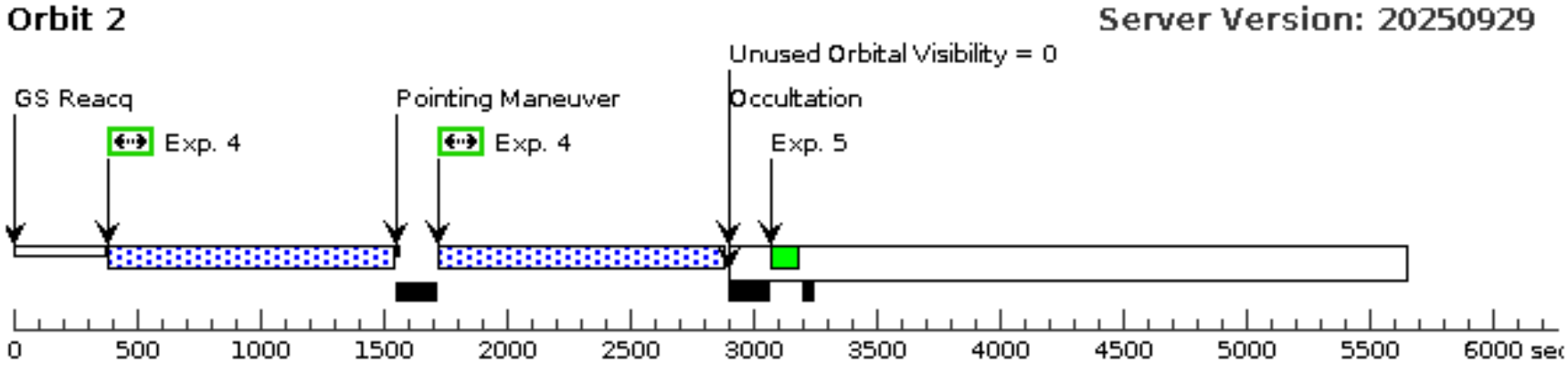
Comments: Predicted Lya flux before ISM absorption 1.7e-13;FUV used for buffer time estimate 22.41;deemed INACTIVE on the basis fuv no more than 3x brighter than median for field stars of similar Teff < 5500;stellar mass 0.91;stellar Teff 5393.86;GALEX fuv mag = 22.41;Rossby number unknown due to no cataloged rotation period;no cataloged age
Category=STAR
Description=[G V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

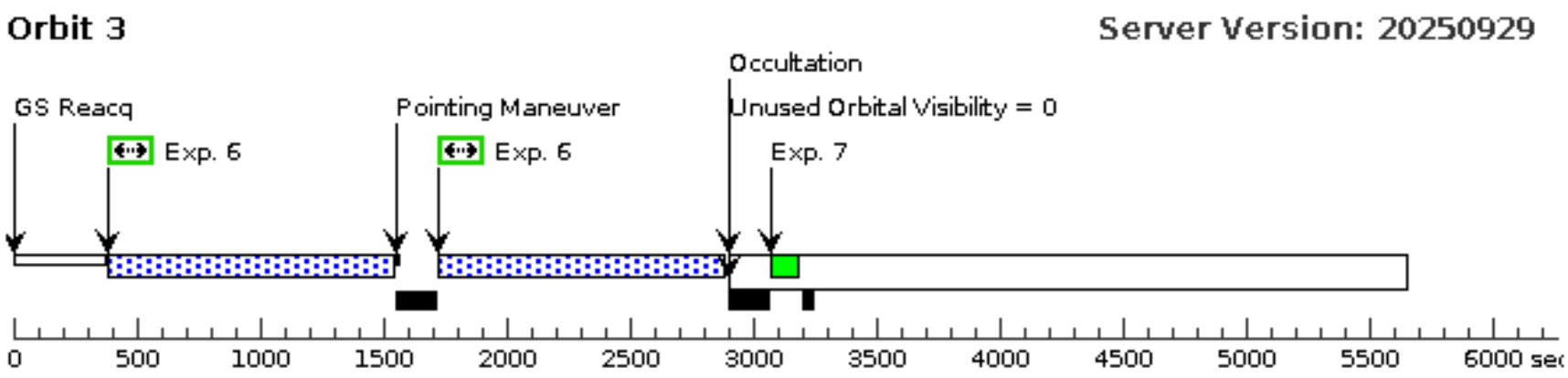
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(5) TOI-1434	STIS/CCD, ACQ, F25ND3	MIRROR		PHASE 0.99367785 56442281 TO 0.9964 675497890806		2.4 Secs (2.4 Secs) *[==>]*	***[1]***
2	(2026273)	(5) TOI-1434	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-1434.01 Transit (10) (1)	400 Secs (1794 Secs) *[==>897.0 Secs (Pattern 1)]* *[==>897.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(5) TOI-1434	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-1434.01 Transit (10) (2)	500 Secs (2282 Secs) *[==>1141.0 Secs (Pattern 1)]* *[==>1141.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[2]***
6	(2026273)	(5) TOI-1434	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 6-6 in TOI-1434.01 Transit (10) (1)	500 Secs (2282 Secs) *[==>1141.0 Secs (Pattern 1)]* *[==>1141.0 Secs (Pattern 2)]*	***[3]***
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[3]***
8	(2026273)	(5) TOI-1434	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 8-8 in TOI-1434.01 Transit (10) (2)	500 Secs (2282 Secs) *[==>1141.0 Secs (Pattern 1)]* *[==>1141.0 Secs (Pattern 2)]*	***[4]***
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[4]***
10	(2026273)	(5) TOI-1434	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 10-10 in TOI-1434.01 Transit (10) (1)	500 Secs (2282 Secs) *[==>1141.0 Secs (Pattern 1)]* *[==>1141.0 Secs (Pattern 2)]*	***[5]***
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[5]***

Orbit Structure



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Occultation
GS Reacq
Pointing Maneuver
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Exp. 6
Exp. 7
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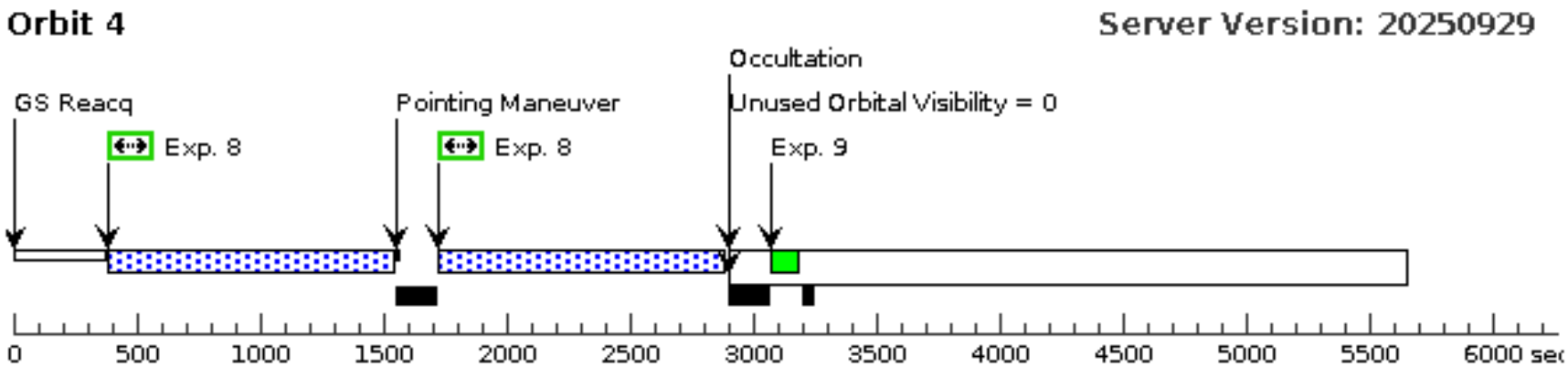
5500
6000 sec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Server Version: 20250929
Occultation
GS Reacq
Pointing Maneuver
Unused Orbital Visibility = 0
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Exp. 9
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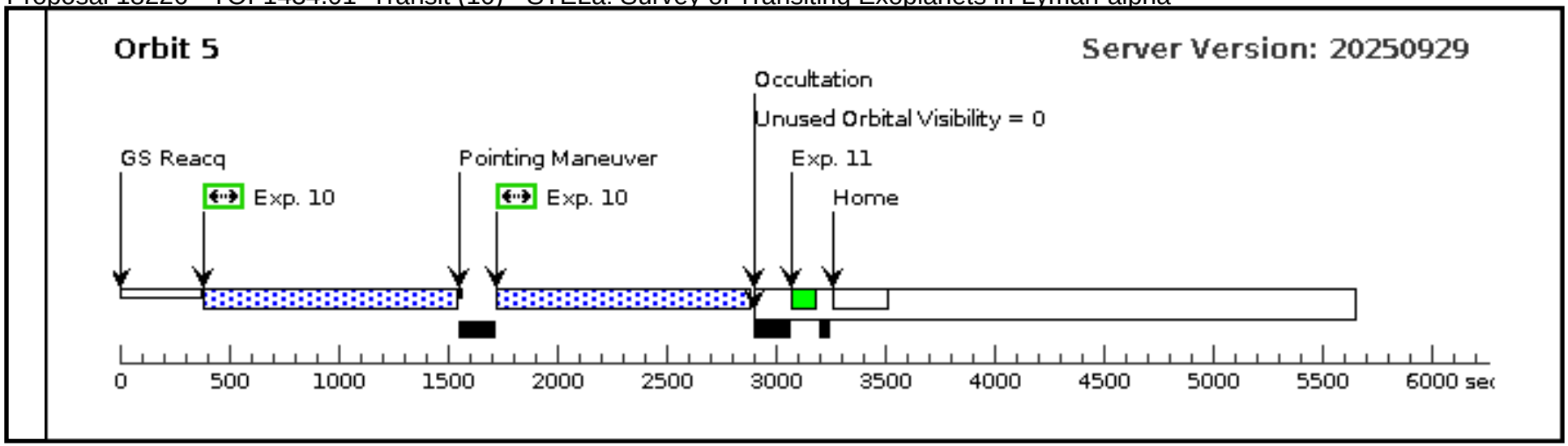

Orbit 5
Server Version: 20250929
Occultation
Unused Orbital Visibility = 0
GS Reacq
Exp. 10
Pointing Maneuver
Exp. 10
Exp. 11
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18226, TOI-2134 b Baseline (11), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

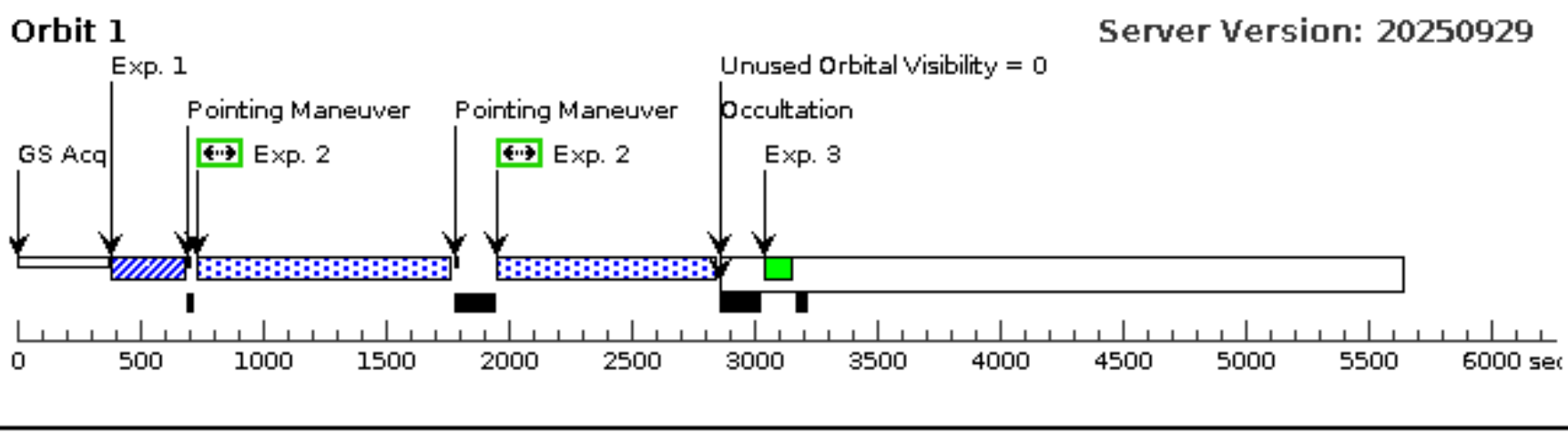
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	TOI-2134	RA: 18 07 44.4477 (271.9351987d) Dec: +39 04 26.92 (39.07414d) Equinox: J2000	Proper Motion RA: 54.536 mas/yr Proper Motion Dec: -283.051 mas/yr Parallax: 0.0441087" Epoch of Position: 2000.0 Radial Velocity: -20.96 km/sec	V=8.933+/-0.003 G=8.51, NUV=17.79	Reference Frame: ICRS

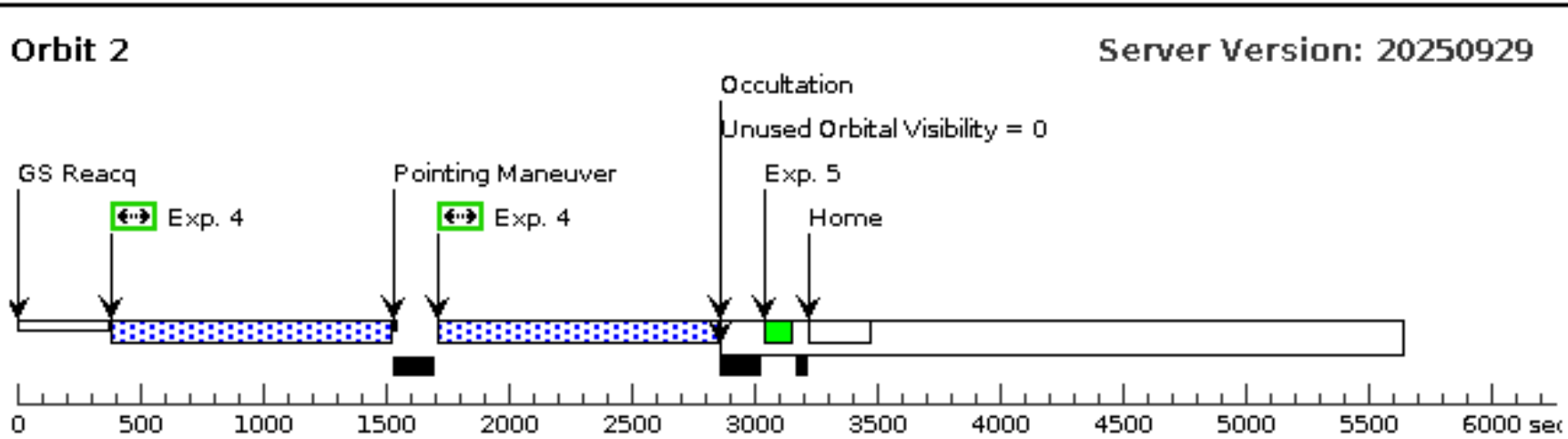
Comments: Predicted Lya flux before ISM absorption 1.7e-13;FUV used for buffer time estimate 25.60;deemed INACTIVE on the basis fuv no more than 3x brighter than median for field stars of similar Teff < 5500;stellar mass 0.74;stellar Teff 4580.00;GALEX fuv mag > 21.26;Rossby number estimate of 4.58 based on measured 45.8 d rotation period;cataloged age of 4 Gyr
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(6) TOI-2134	STIS/CCD, ACQ, F25ND3	MIRROR				2.1 Secs (2.1 Secs) *[==>]*	*[1]*
2	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-2134 b Baseline (11) (1)	400 Secs (1758 Secs) *[==>879.0 Secs (Pattern 1)]* *[==>879.0 Secs (Pattern 2)]*	*[1]*
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	*[1]*
4	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-2134 b Baseline (11) (2)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	*[2]*
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	*[2]*

Orbit Structure





Visit

Proposal 18226, TOI-2134 b Transit (12), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER 11 BY 6 H TO 24 H; Period 9.229198 D AND ZERO-PHASE HJD2459010.68937

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2), (6), (10)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4), (8)

Fixed Targets

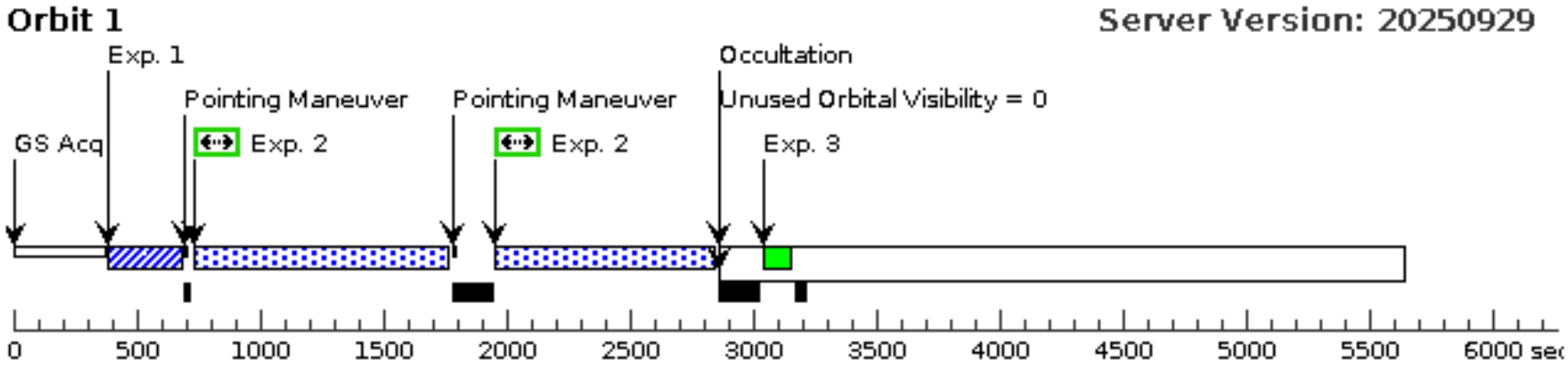
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	TOI-2134	RA: 18 07 44.4477 (271.9351987d) Dec: +39 04 26.92 (39.07414d) Equinox: J2000	Proper Motion RA: 54.536 mas/yr Proper Motion Dec: -283.051 mas/yr Parallax: 0.0441087" Epoch of Position: 2000.0 Radial Velocity: -20.96 km/sec	V=8.933+/-0.003 G=8.51, NUV=17.79	Reference Frame: ICRS

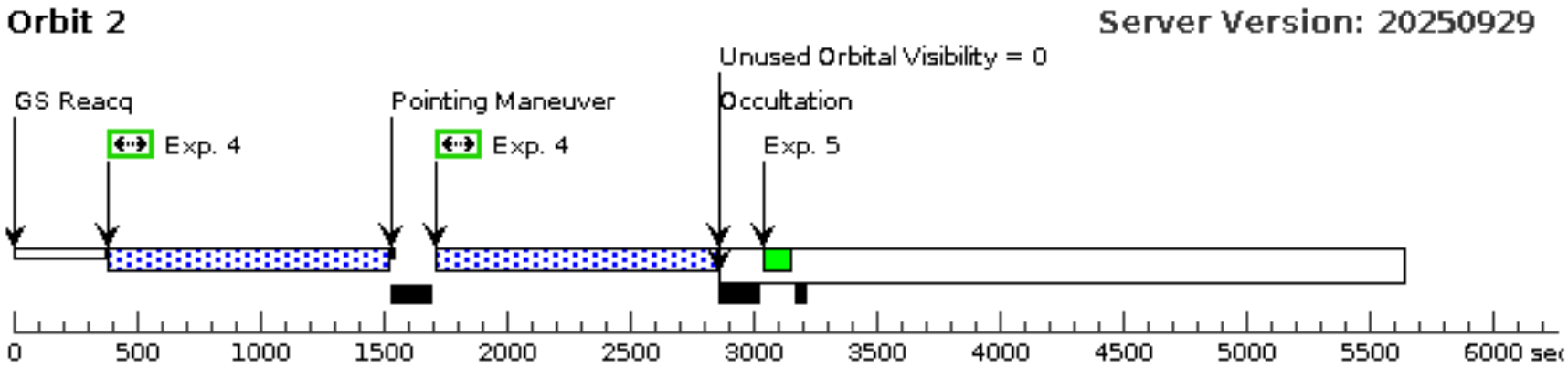
Comments: Predicted Lya flux before ISM absorption 1.7e-13;FUV used for buffer time estimate 25.60;deemed INACTIVE on the basis fuv no more than 3x brighter than median for field stars of similar Teff < 5500;stellar mass 0.74;stellar Teff 4580.00;GALEX fuv mag > 21.26;Rossby number estimate of 4.58 based on measured 45.8 d rotation period;cataloged age of 4 Gyr
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

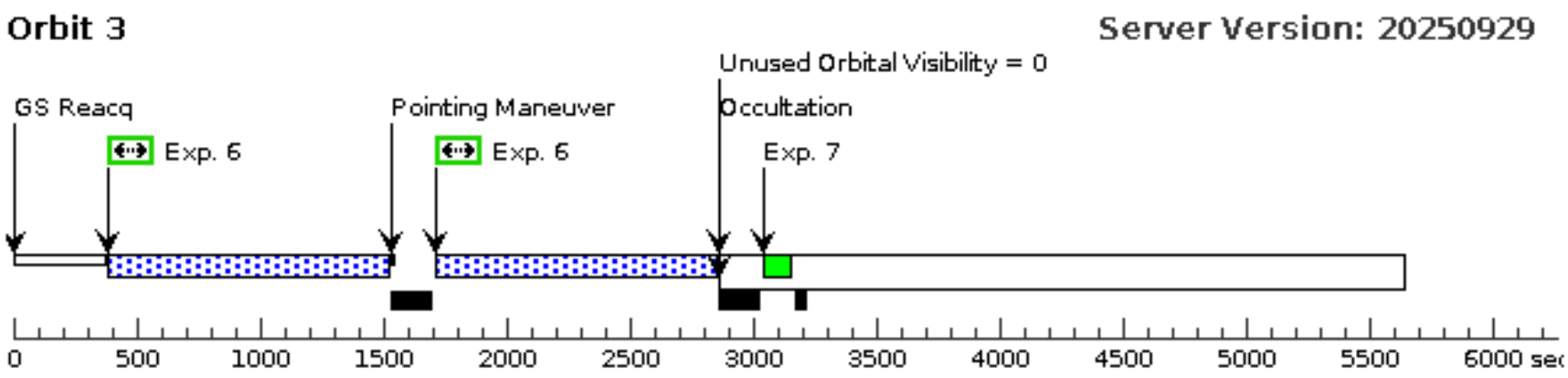
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(6) TOI-2134	STIS/CCD, ACQ, F25ND3	MIRROR		PHASE 0.97953733 72493935 TO 0.9885 666423792806		2.1 Secs (2.1 Secs) *[==>]*	***[1]***
2	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-2134 b Transit (12) (1)	400 Secs (1758 Secs) *[==>879.0 Secs (Pattern 1)]* *[==>879.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-2134 b Transit (12) (2)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***
6	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 6-6 in TOI-2134 b Transit (12) (1)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	***[3]***
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[3]***
8	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 8-8 in TOI-2134 b Transit (12) (2)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	***[4]***
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[4]***
10	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 10-10 in TOI-2134 b Transit (12) (1)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	***[5]***
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[5]***

Orbit Structure



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Pointing Maneuver
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Exp. 7
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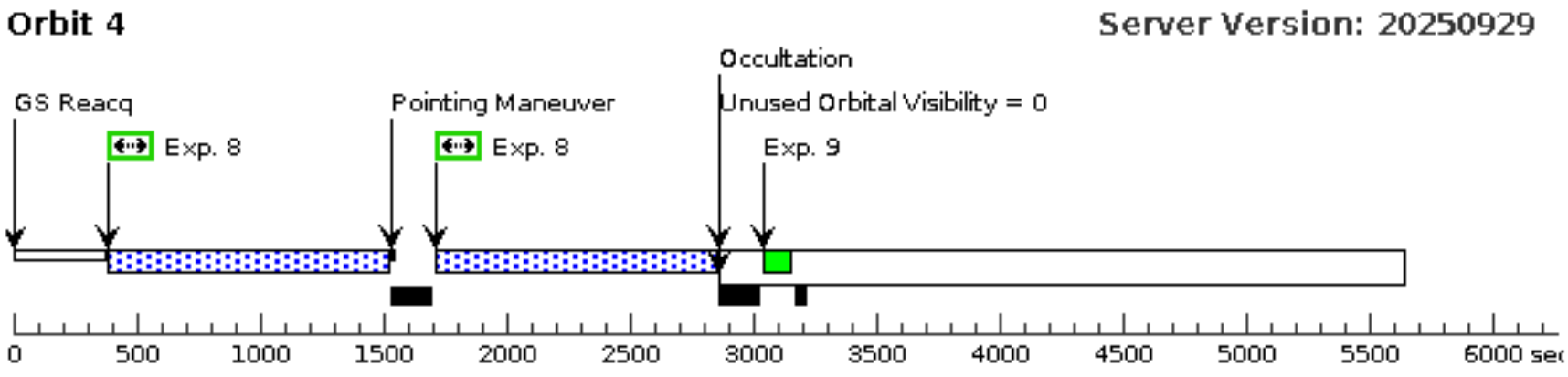
6000 sec


Orbit 4
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Occultation
GS Reacq
Pointing Maneuver
Unused Orbital Visibility = 0
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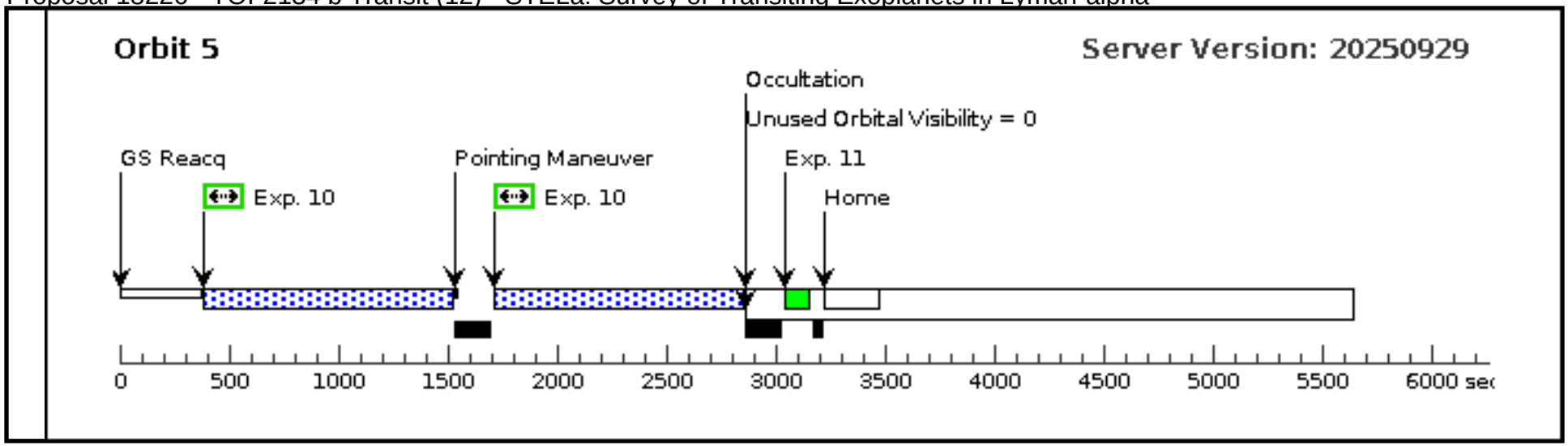
Exp. 8
Exp. 9
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec


Orbit 5
Server Version: 20250929
Occultation
Unused Orbital Visibility = 0
GS Reacq
Exp. 10
Pointing Maneuver
Exp. 10
Exp. 11
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18226, TOI-2134 c Baseline (13), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

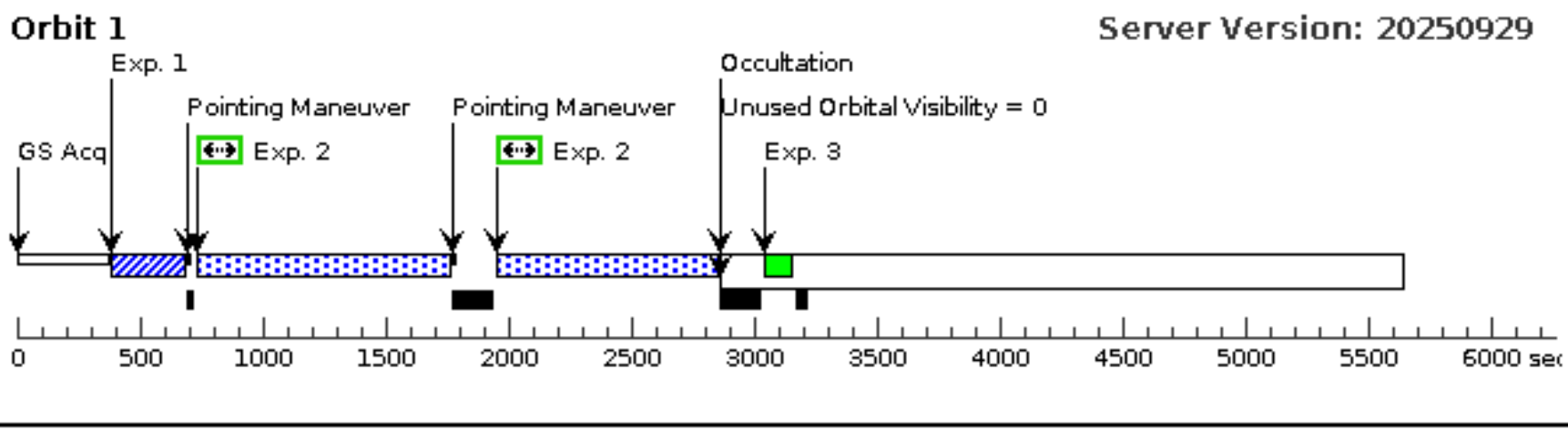
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	TOI-2134	RA: 18 07 44.4477 (271.9351987d) Dec: +39 04 26.92 (39.07414d) Equinox: J2000	Proper Motion RA: 54.536 mas/yr Proper Motion Dec: -283.051 mas/yr Parallax: 0.0441087" Epoch of Position: 2000.0 Radial Velocity: -20.96 km/sec	V=8.933+/-0.003 G=8.51, NUV=17.79	Reference Frame: ICRS

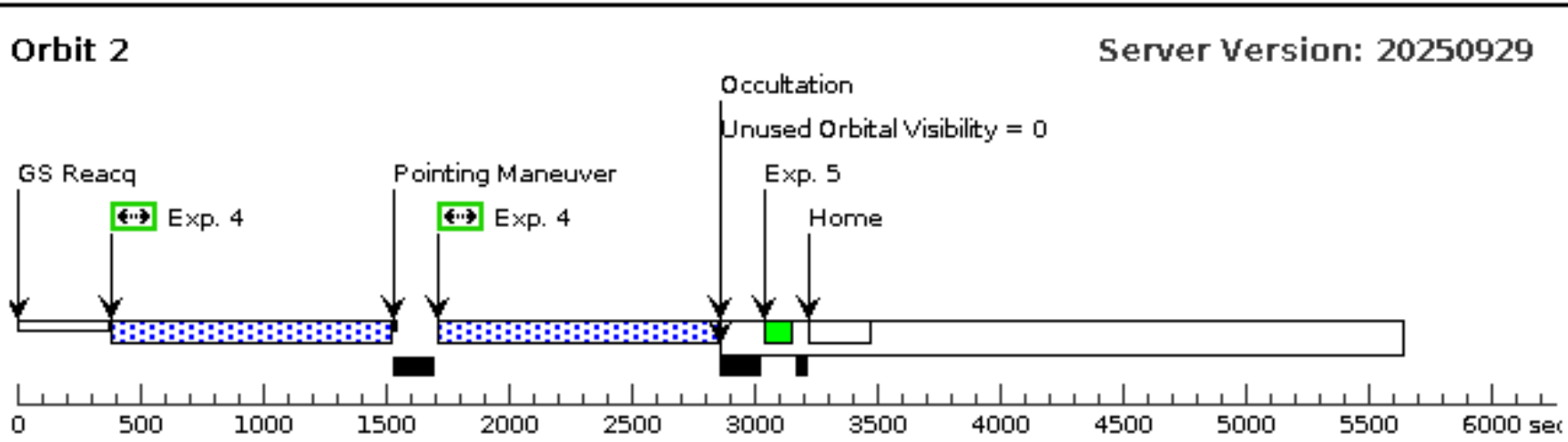
Comments: Predicted Lya flux before ISM absorption 1.7e-13;FUV used for buffer time estimate 25.60;deemed INACTIVE on the basis fuv no more than 3x brighter than median for field stars of similar Teff < 5500;stellar mass 0.74;stellar Teff 4580.00;GALEX fuv mag > 21.26;Rossby number estimate of 4.58 based on measured 45.8 d rotation period;cataloged age of 4 Gyr
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(6) TOI-2134	STIS/CCD, ACQ, F25ND3	MIRROR				2.1 Secs (2.1 Secs) *[==>]*	*[1]*
2	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-2134 c Baseline (13) (1)	400 Secs (1762 Secs) *[==>881.0 Secs (Pattern 1)]* *[==>881.0 Secs (Pattern 2)]*	*[1]*
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	*[1]*
4	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-2134 c Baseline (13) (2)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	*[2]*
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	*[2]*

Orbit Structure





Visit

Proposal 18226, TOI-2134 c Transit (14), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER 13 BY 6 H TO 24 H; Period 95.852840 D AND ZERO-PHASE HJD2459718.96933

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2), (6), (10)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4), (8)

Fixed Targets

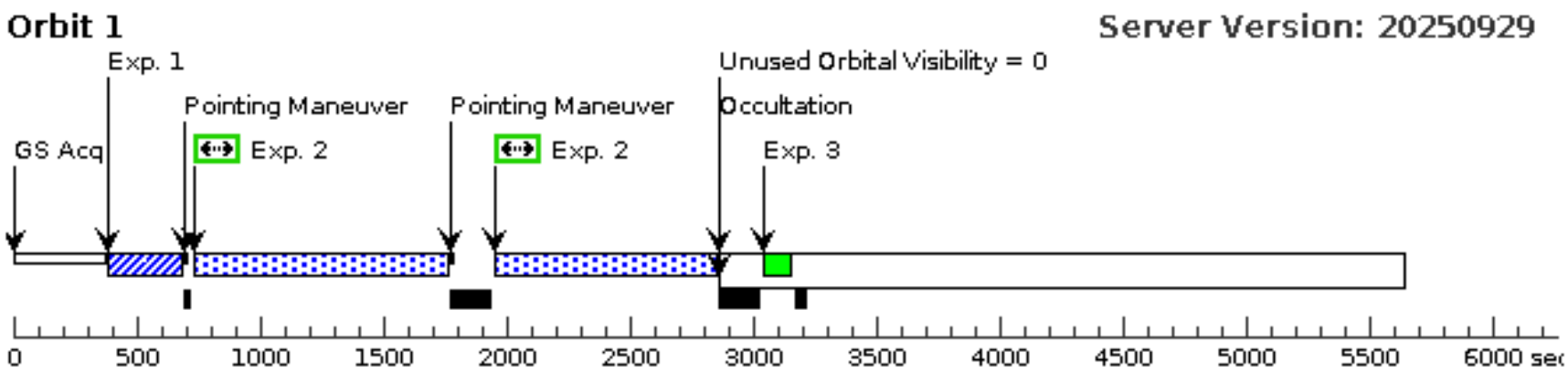
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	TOI-2134	RA: 18 07 44.4477 (271.9351987d) Dec: +39 04 26.92 (39.07414d) Equinox: J2000	Proper Motion RA: 54.536 mas/yr Proper Motion Dec: -283.051 mas/yr Parallax: 0.0441087" Epoch of Position: 2000.0 Radial Velocity: -20.96 km/sec	V=8.933+/-0.003 G=8.51, NUV=17.79	Reference Frame: ICRS

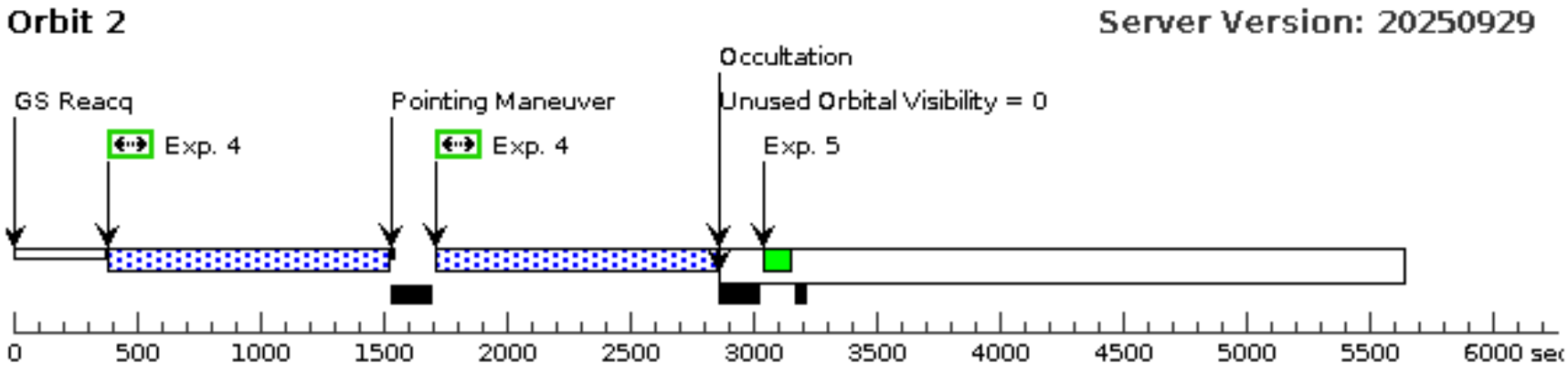
Comments: Predicted Lya flux before ISM absorption 1.7e-13;FUV used for buffer time estimate 25.60;deemed INACTIVE on the basis fuv no more than 3x brighter than median for field stars of similar Teff < 5500;stellar mass 0.74;stellar Teff 4580.00;GALEX fuv mag > 21.26;Rossby number estimate of 4.58 based on measured 45.8 d rotation period;cataloged age of 4 Gyr
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

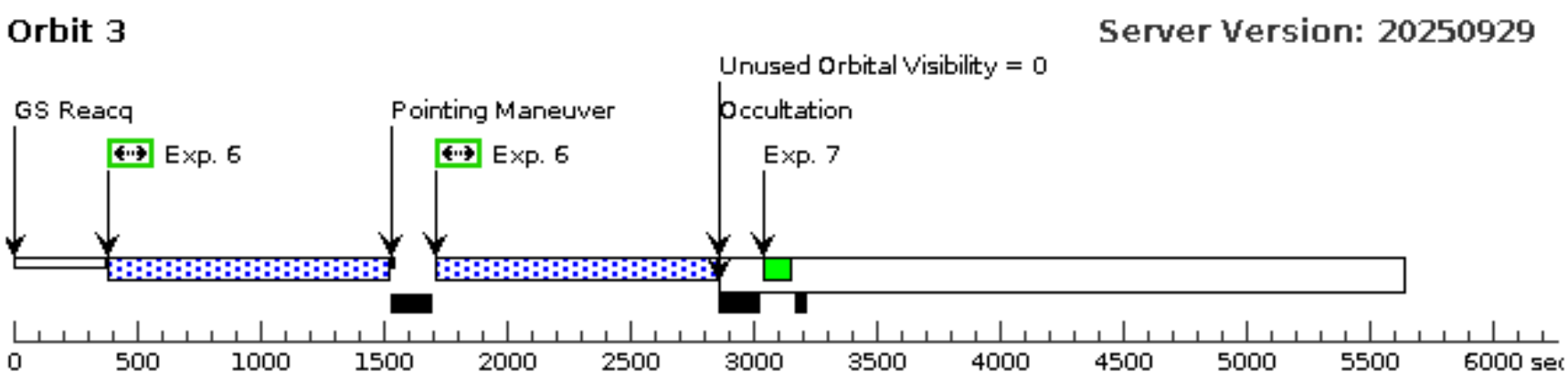
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(6) TOI-2134	STIS/CCD, ACQ, F25ND3	MIRROR		PHASE 0.99802975 54953738 TO 0.9988 991408256005		2.1 Secs (2.1 Secs) *[==>]*	***[1]***
2	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-2134 c Transit (14) (1)	400 Secs (1762 Secs) *[==>881.0 Secs (Pattern 1)]* *[==>881.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-2134 c Transit (14) (2)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[2]***
6	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 6-6 in TOI-2134 c Transit (14) (1)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	***[3]***
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[3]***
8	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 8-8 in TOI-2134 c Transit (14) (2)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	***[4]***
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[4]***
10	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 10-10 in TOI-2134 c Transit (14) (1)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	***[5]***
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[5]***

Orbit Structure






Orbit 3
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Unused Orbital Visibility = 0
GS Reacq
Pointing Maneuver
Occultation
Exp. 6
Exp. 6
Exp. 7
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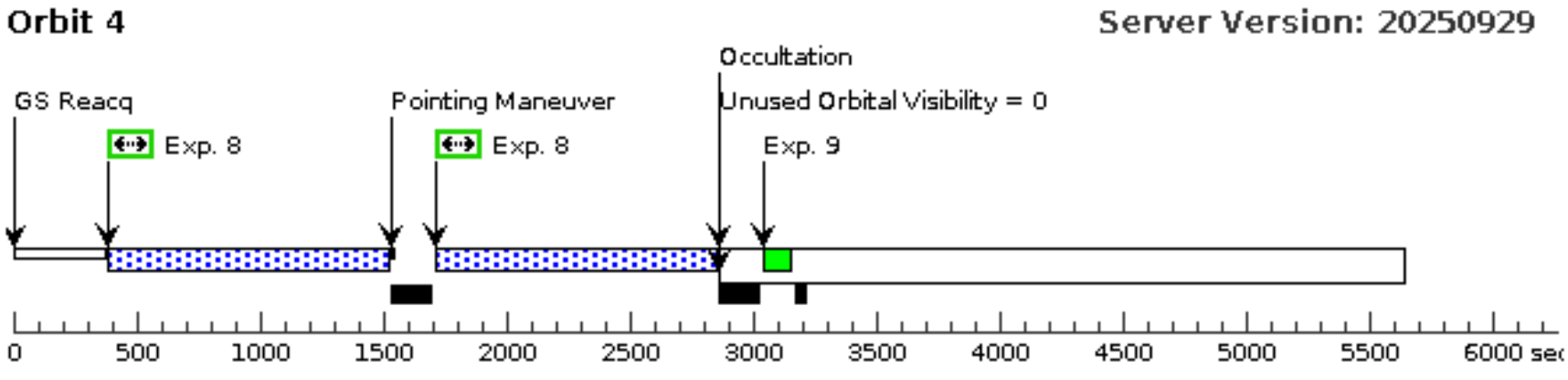
3000
3500
4000
4500
5000
5500
6000 sec


Orbit 4
Server Version: 20250929
Occultation
GS Reacq
Pointing Maneuver
Unused Orbital Visibility = 0
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Exp. 8
Exp. 9
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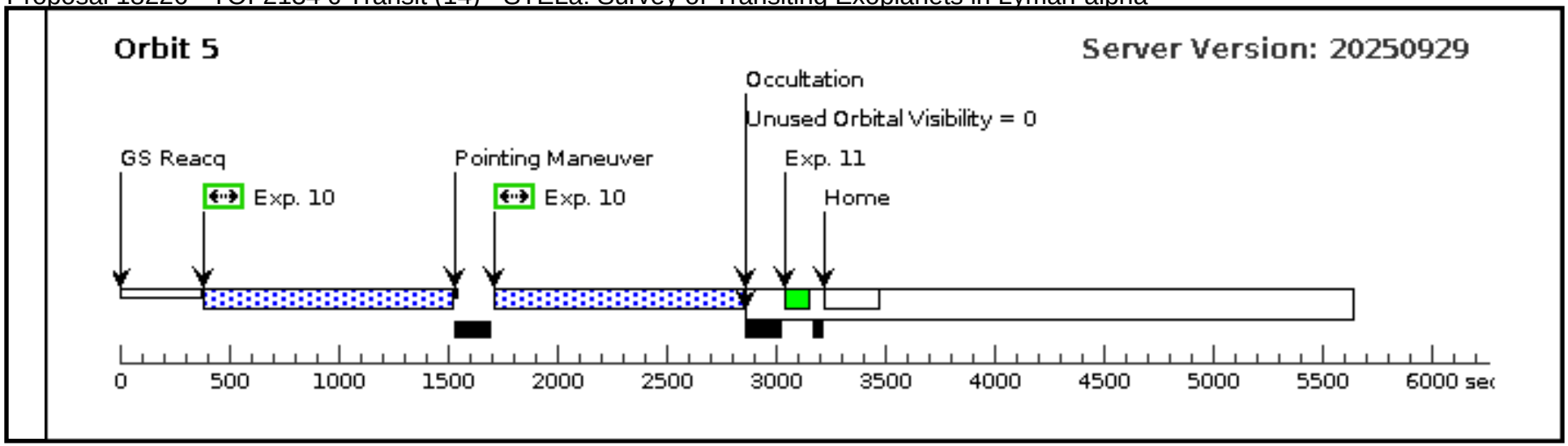
3000
3500
4000
4500
5000
5500
6000 sec


Orbit 5
Server Version: 20250929
Occultation
Unused Orbital Visibility = 0
GS Reacq
Exp. 10
Pointing Maneuver
Exp. 10
Exp. 11
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18226, TOI-2134 c +9 Baseline (15), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

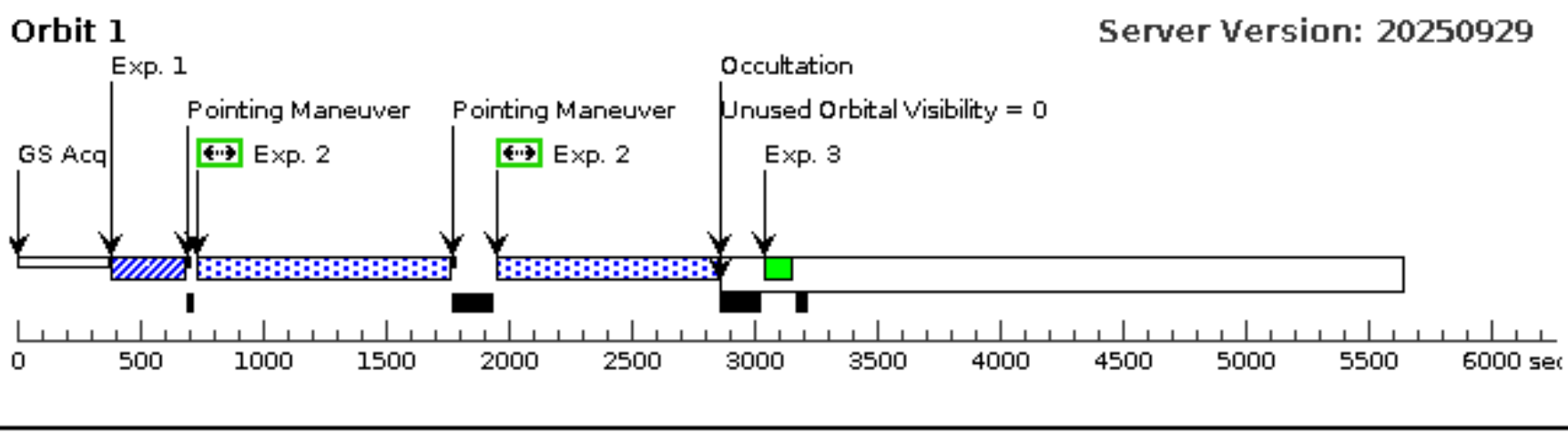
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	TOI-2134	RA: 18 07 44.4477 (271.9351987d) Dec: +39 04 26.92 (39.07414d) Equinox: J2000	Proper Motion RA: 54.536 mas/yr Proper Motion Dec: -283.051 mas/yr Parallax: 0.0441087" Epoch of Position: 2000.0 Radial Velocity: -20.96 km/sec	V=8.933+/-0.003 G=8.51, NUV=17.79	Reference Frame: ICRS

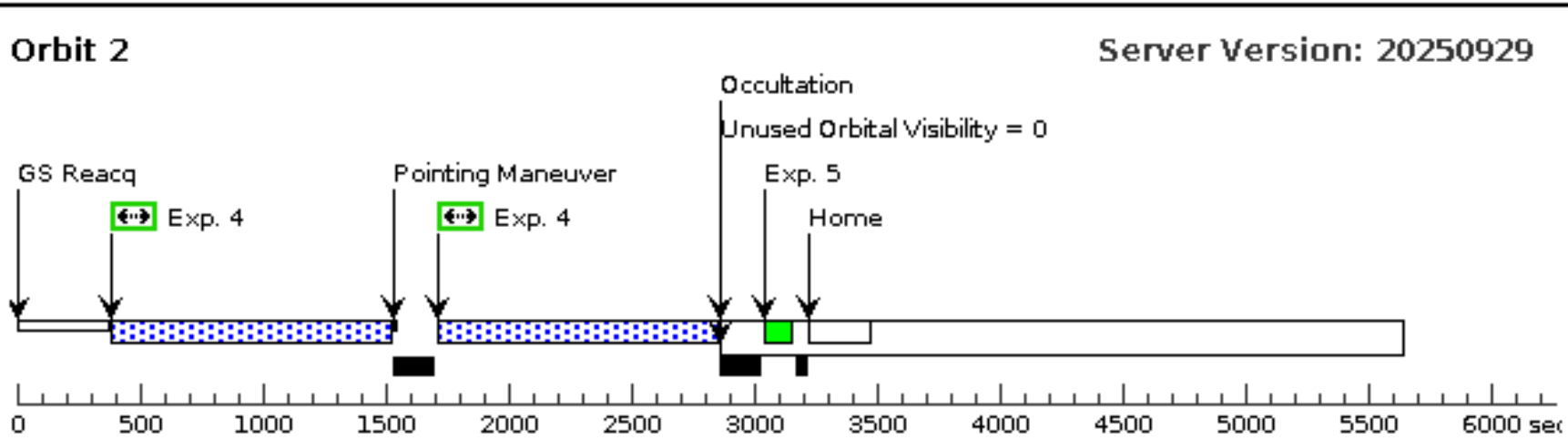
Comments: Predicted Lya flux before ISM absorption 1.7e-13;FUV used for buffer time estimate 25.60;deemed INACTIVE on the basis fuv no more than 3x brighter than median for field stars of similar Teff < 5500;stellar mass 0.74;stellar Teff 4580.00;GALEX fuv mag > 21.26;Rossby number estimate of 4.58 based on measured 45.8 d rotation period;cataloged age of 4 Gyr
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(6) TOI-2134	STIS/CCD, ACQ, F25ND3	MIRROR				2.1 Secs (2.1 Secs) *[==>]*	*[1]*
2	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-2134 c +9 Baseline (15) (1)	400 Secs (1762 Secs) *[==>881.0 Secs (Pattern 1)]* *[==>881.0 Secs (Pattern 2)]*	*[1]*
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	*[1]*
4	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-2134 c +9 Baseline (15) (2)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	*[2]*
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	*[2]*

Orbit Structure





Visit

Proposal 18226, TOI-2134 c +9 Transit (16), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER 15 BY 6 H TO 24 H; Period 95.852840 D AND ZERO-PHASE HJD2459718.96933

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2), (6), (10)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4), (8)

Fixed Targets

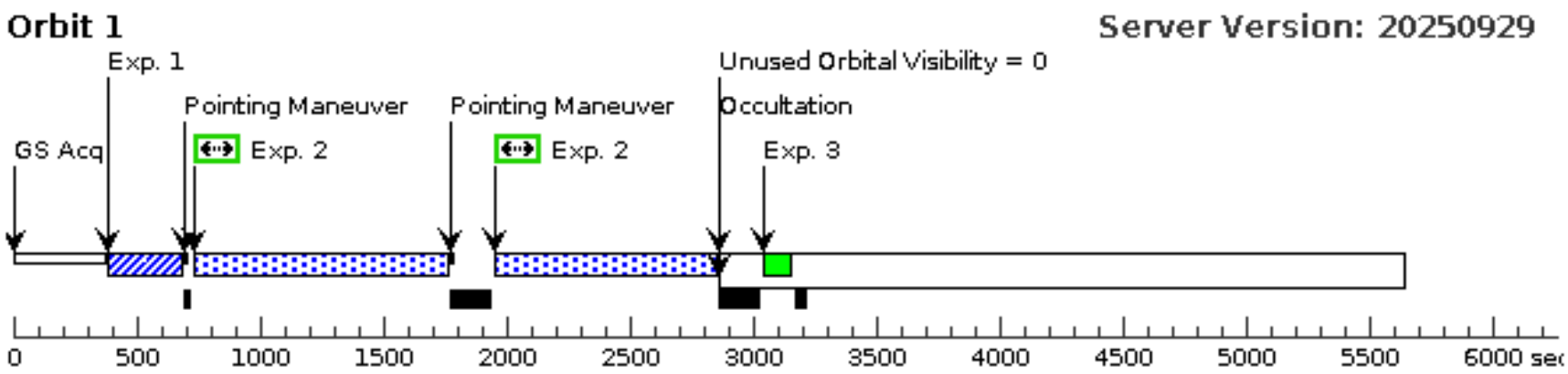
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	TOI-2134	RA: 18 07 44.4477 (271.9351987d) Dec: +39 04 26.92 (39.07414d) Equinox: J2000	Proper Motion RA: 54.536 mas/yr Proper Motion Dec: -283.051 mas/yr Parallax: 0.0441087" Epoch of Position: 2000.0 Radial Velocity: -20.96 km/sec	V=8.933+/-0.003 G=8.51, NUV=17.79	Reference Frame: ICRS

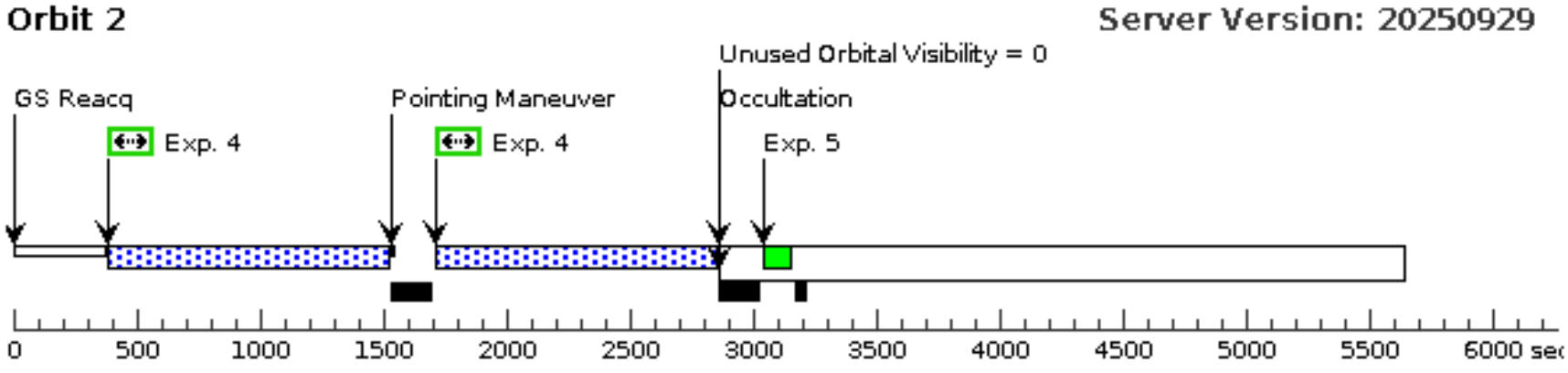
Comments: Predicted Lya flux before ISM absorption 1.7e-13;FUV used for buffer time estimate 25.60;deemed INACTIVE on the basis fuv no more than 3x brighter than median for field stars of similar Teff < 5500;stellar mass 0.74;stellar Teff 4580.00;GALEX fuv mag > 21.26;Rossby number estimate of 4.58 based on measured 45.8 d rotation period;cataloged age of 4 Gyr
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

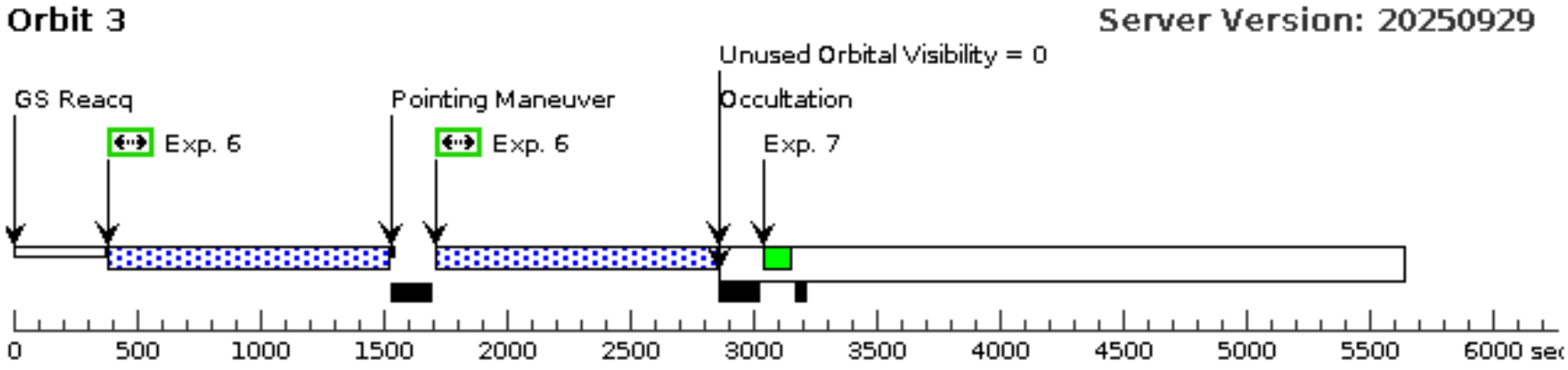
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(6) TOI-2134	STIS/CCD, ACQ, F25ND3	MIRROR		PHASE 0.0019419894813938274 TO 0.002811374811620499 3		2.1 Secs (2.1 Secs) *[==>]*	*[1]*
2	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-2134 c +9 Transit (16) (1)	400 Secs (1762 Secs) *[==>881.0 Secs (Pattern 1)]* *[==>881.0 Secs (Pattern 2)]*	*[1]*
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	*[1]*
4	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-2134 c +9 Transit (16) (2)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	*[2]*
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	*[2]*
6	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 6-6 in TOI-2134 c +9 Transit (16) (1)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	*[3]*
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	*[3]*
8	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 8-8 in TOI-2134 c +9 Transit (16) (2)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	*[4]*
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	*[4]*
10	(2026273)	(6) TOI-2134	STIS/FUV-MAMA, TIME-TAG, 52X0.1D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 10-10 in TOI-2134 c +9 Transit (16) (1)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	*[5]*
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	*[5]*

Orbit Structure






Orbit 3
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GS Reacq
Pointing Maneuver
Occultation
Exp. 6
Exp. 6
Exp. 7
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1000
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3500
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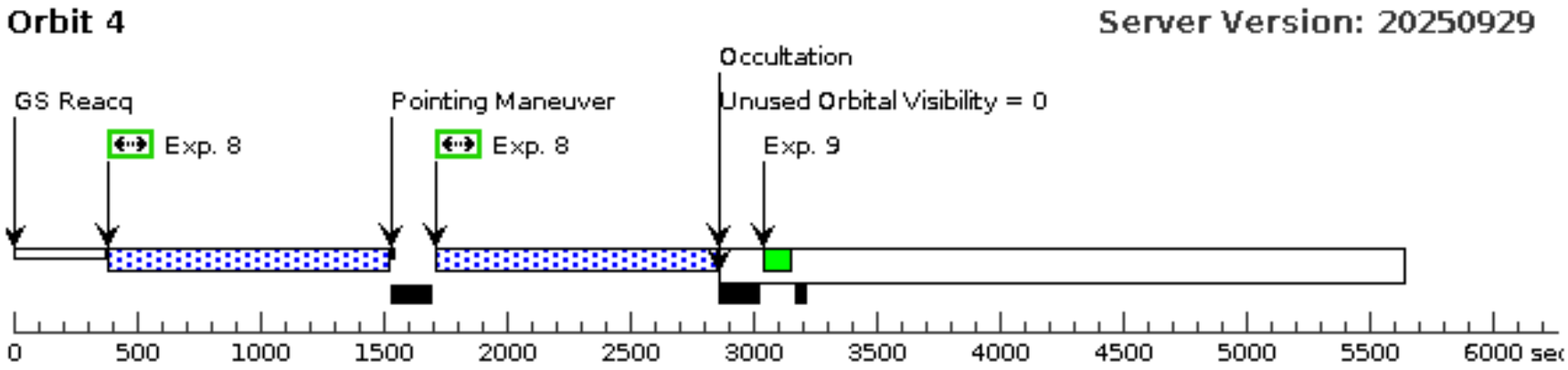
5000
5500
6000 sec


Orbit 4
Server Version: 20250929
Occultation
GS Reacq
Pointing Maneuver
Unused Orbital Visibility = 0
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Exp. 8
Exp. 9
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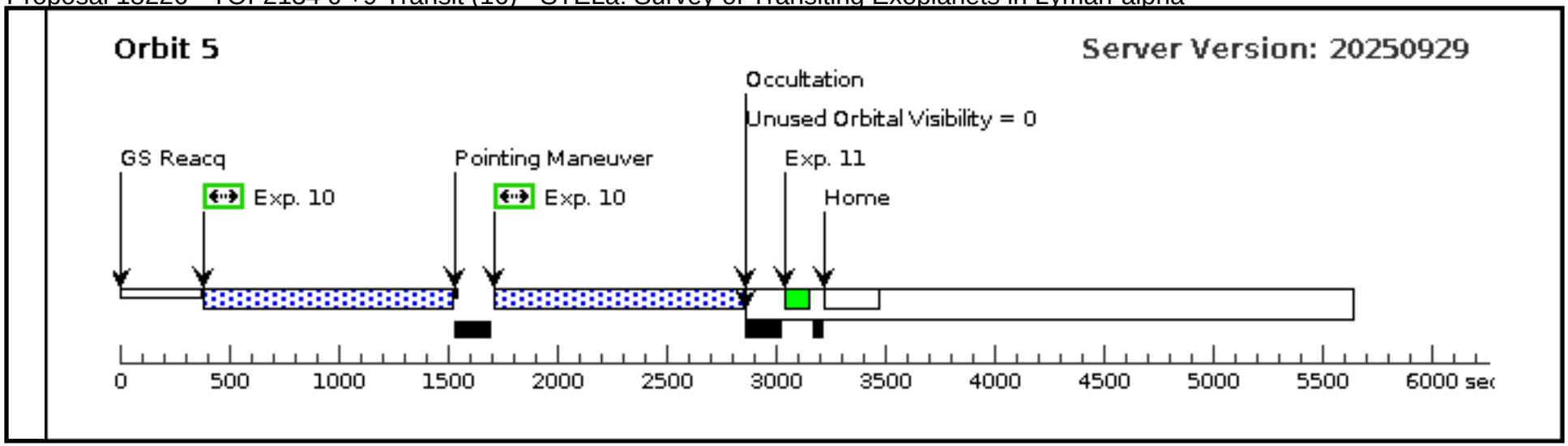
6000 sec


Orbit 5
Server Version: 20250929
Occultation
Unused Orbital Visibility = 0
GS Reacq
Exp. 10
Pointing Maneuver
Exp. 10
Exp. 11
Home
0
500
1000
1500
2000
2500
3000
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4000
4500
5000
5500
6000 sec

Visit

Proposal 18226, TOI-2285 b Baseline (17), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

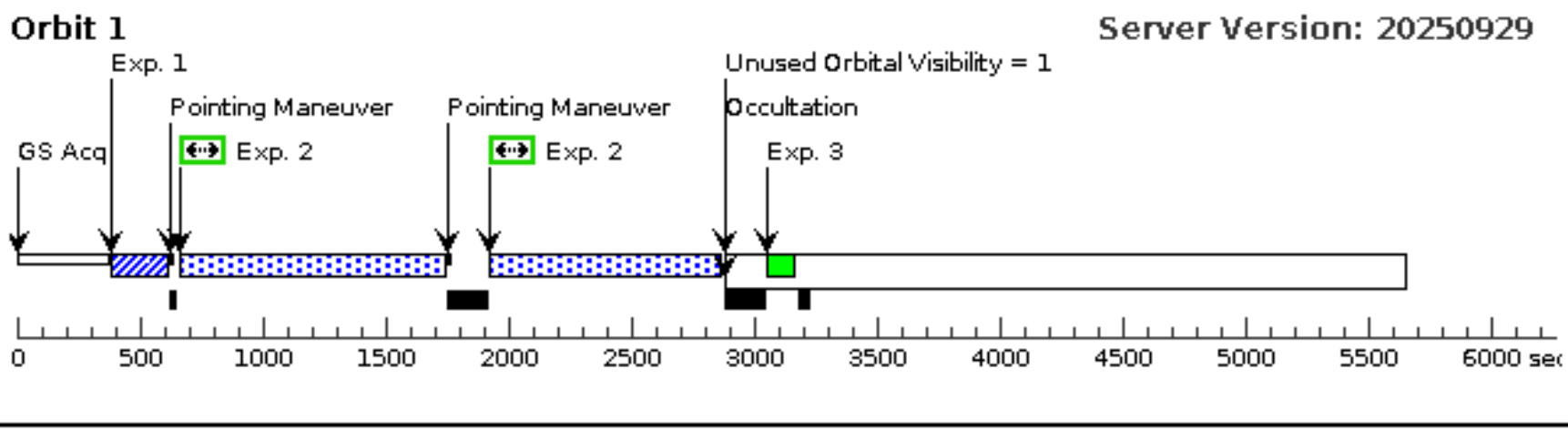
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	TOI-2285	RA: 22 10 15.1412 (332.5630883d) Dec: +58 42 22.26 (58.70618d) Equinox: J2000	Proper Motion RA: 21.234 mas/yr Proper Motion Dec: -20.905 mas/yr Parallax: 0.0235387" Epoch of Position: 2000.0 Radial Velocity: -24.1 km/sec	V=13.392999649047852+/-0.05000000074505806 G=12.422335624694824, NUV=22.76286966325075	Reference Frame: ICRS

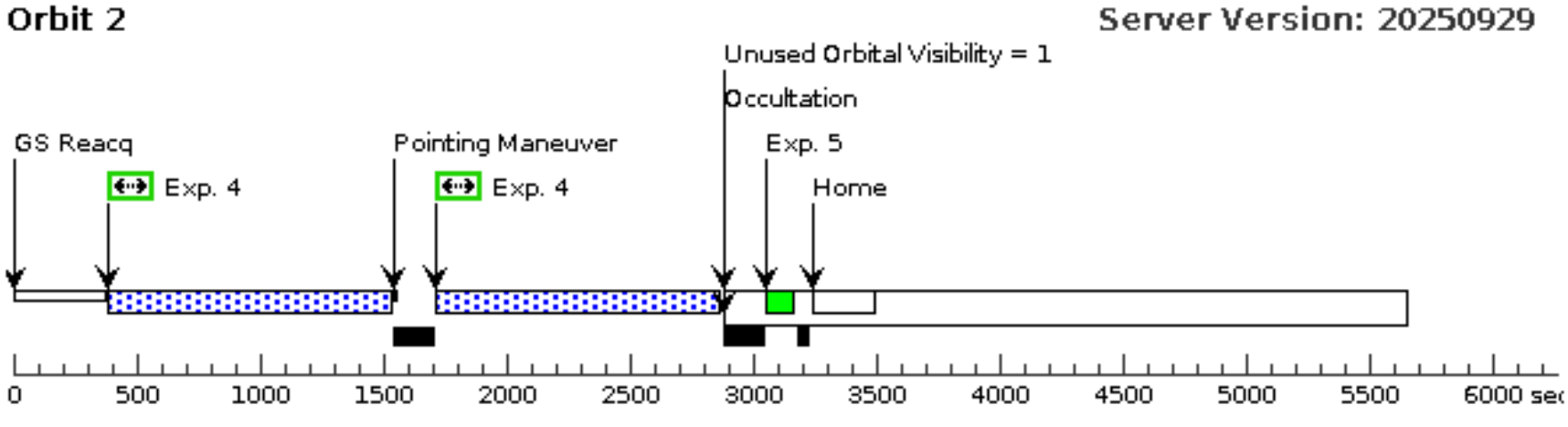
Comments: Predicted Lya flux before ISM absorption 2.1e-14;FUV used for buffer time estimate 21.71;deemed ACTIVE due to the absence of information indicating otherwise;stellar mass 0.45;stellar Teff 3491.00;no GALEX fuv observation;Rossby number unknown due to no cataloged rotation period;no cataloged age
Category=STAR
Description=[M V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(7) TOI-2285	STIS/CCD, ACQ, F28X50LP	MIRROR				0.2 Secs (0.2 Secs) *[==>]*	***[1]***
2	(2026273)	(7) TOI-2285	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-2285 b Baseline (17) (1)	400 Secs (1844 Secs) *[==>922.0 Secs (Pattern 1)]* *[==>922.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(7) TOI-2285	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-2285 b Baseline (17) (2)	500 Secs (2262 Secs) *[==>1131.0 Secs (Pattern 1)]* *[==>1131.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***

Orbit Structure





Visit

Proposal 18226, TOI-2285 b Transit (18), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER 17 BY 6 H TO 24 H; Period 13.63510900000 D AND ZERO-PHASE HJD2461092.42184800

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2), (6), (10)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4), (8)

Fixed Targets

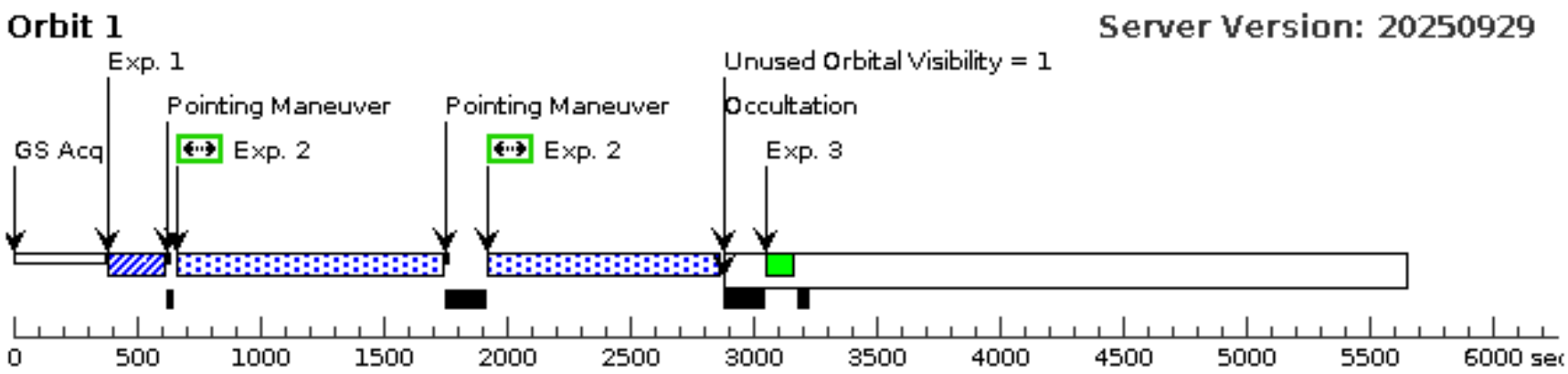
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	TOI-2285	RA: 22 10 15.1412 (332.5630883d) Dec: +58 42 22.26 (58.70618d) Equinox: J2000	Proper Motion RA: 21.234 mas/yr Proper Motion Dec: -20.905 mas/yr Parallax: 0.0235387" Epoch of Position: 2000.0 Radial Velocity: -24.1 km/sec	V=13.392999649047852+/-0.05000000074505806 G=12.422335624694824, NUV=22.76286966325075	Reference Frame: ICRS

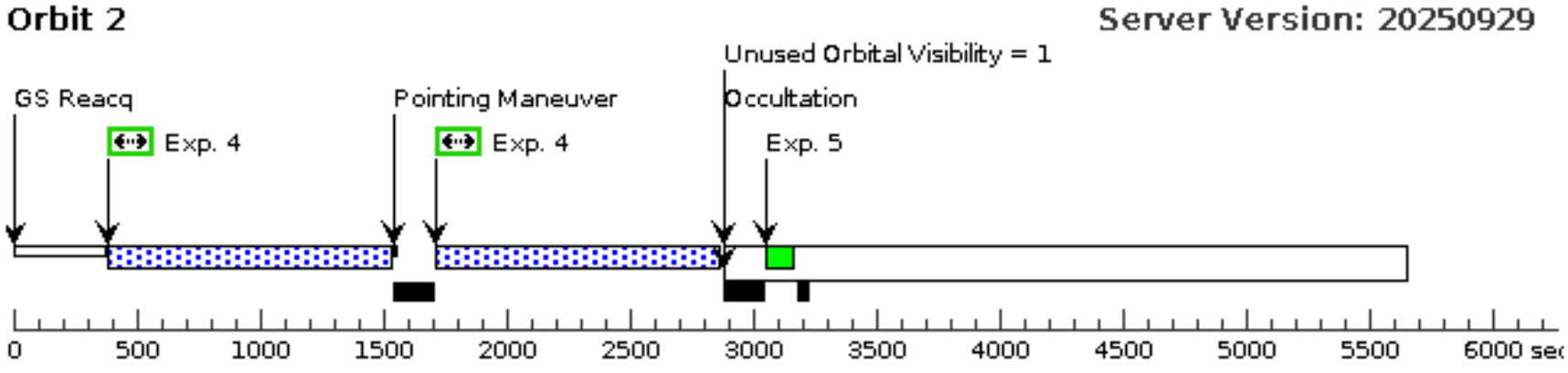
Comments: Predicted Lya flux before ISM absorption 2.1e-14;FUV used for buffer time estimate 21.71;deemed ACTIVE due to the absence of information indicating otherwise;stellar mass 0.45;stellar Teff 3491.00;no GALEX fuv observation;Rossby number unknown due to no cataloged rotation period;no cataloged age
Category=STAR
Description=[M V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

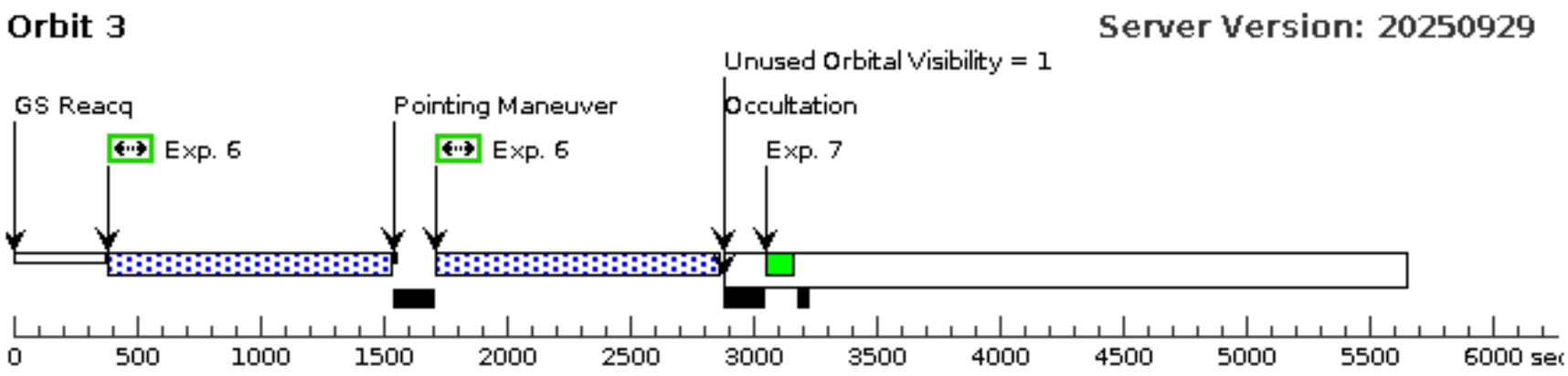
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(7) TOI-2285	STIS/CCD, ACQ, F28X50LP	MIRROR		PHASE 0.98614942 00987563 TO 0.9922 610935245672		0.2 Secs (0.2 Secs) *[==>]*	***[1]***
2	(2026273)	(7) TOI-2285	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-2285 b Transit (18) (1)	400 Secs (1844 Secs) *[==>922.0 Secs (Pattern 1)]* *[==>922.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(7) TOI-2285	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-2285 b Transit (18) (2)	500 Secs (2262 Secs) *[==>1131.0 Secs (Pattern 1)]* *[==>1131.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***
6	(2026273)	(7) TOI-2285	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 6-6 in TOI-2285 b Transit (18) (1)	500 Secs (2262 Secs) *[==>1131.0 Secs (Pattern 1)]* *[==>1131.0 Secs (Pattern 2)]*	***[3]***
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[3]***
8	(2026273)	(7) TOI-2285	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 8-8 in TOI-2285 b Transit (18) (2)	500 Secs (2262 Secs) *[==>1131.0 Secs (Pattern 1)]* *[==>1131.0 Secs (Pattern 2)]*	***[4]***
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[4]***
10	(2026273)	(7) TOI-2285	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 10-10 in TOI-2285 b Transit (18) (1)	500 Secs (2262 Secs) *[==>1131.0 Secs (Pattern 1)]* *[==>1131.0 Secs (Pattern 2)]*	***[5]***
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[5]***

Orbit Structure



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GS Reacq
Pointing Maneuver
Occultation
Exp. 6
Exp. 6
Exp. 7
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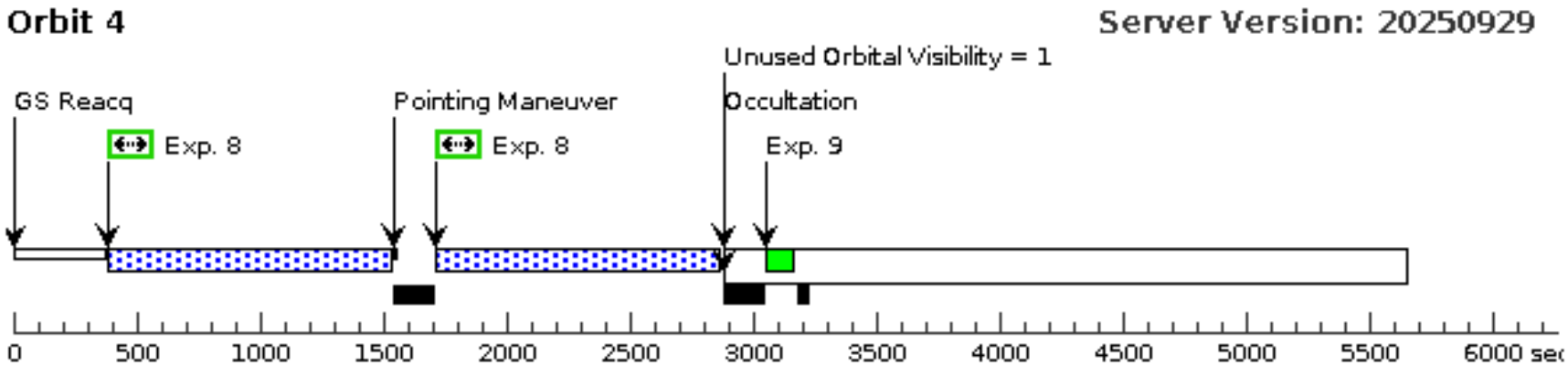
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec


Orbit 4
Server Version: 20250929
Unused Orbital Visibility = 1
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Pointing Maneuver
Occultation
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Exp. 9
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3500
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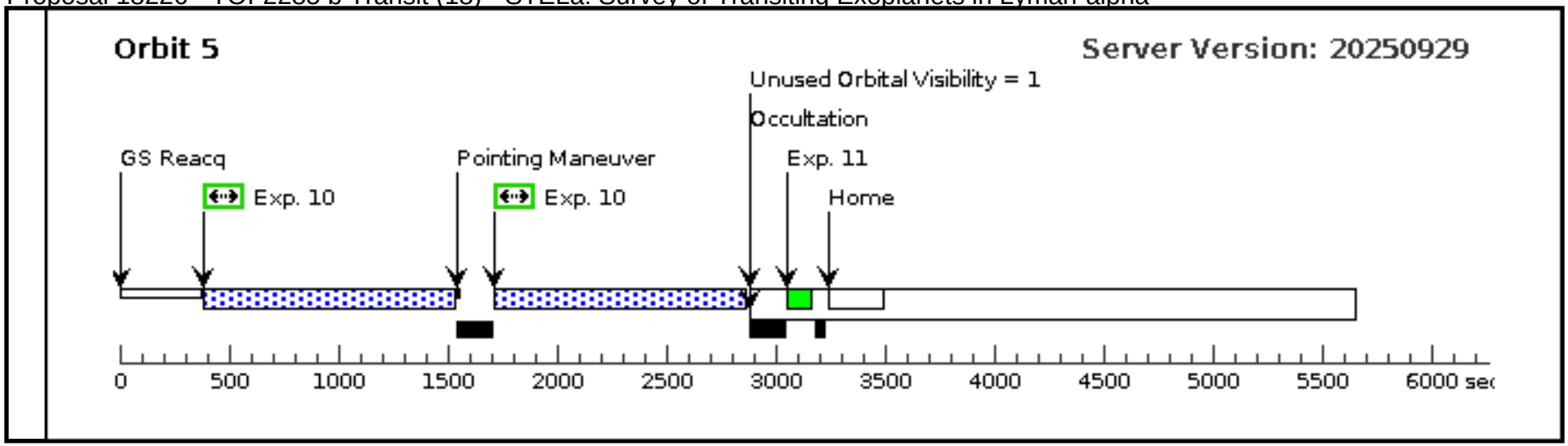
5000
5500
6000 sec


Orbit 5
Server Version: 20250929
Unused Orbital Visibility = 1
Occultation
GS Reacq
Exp. 10
Pointing Maneuver
Exp. 10
Exp. 11
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18226, TOI-2443 b Baseline (19), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

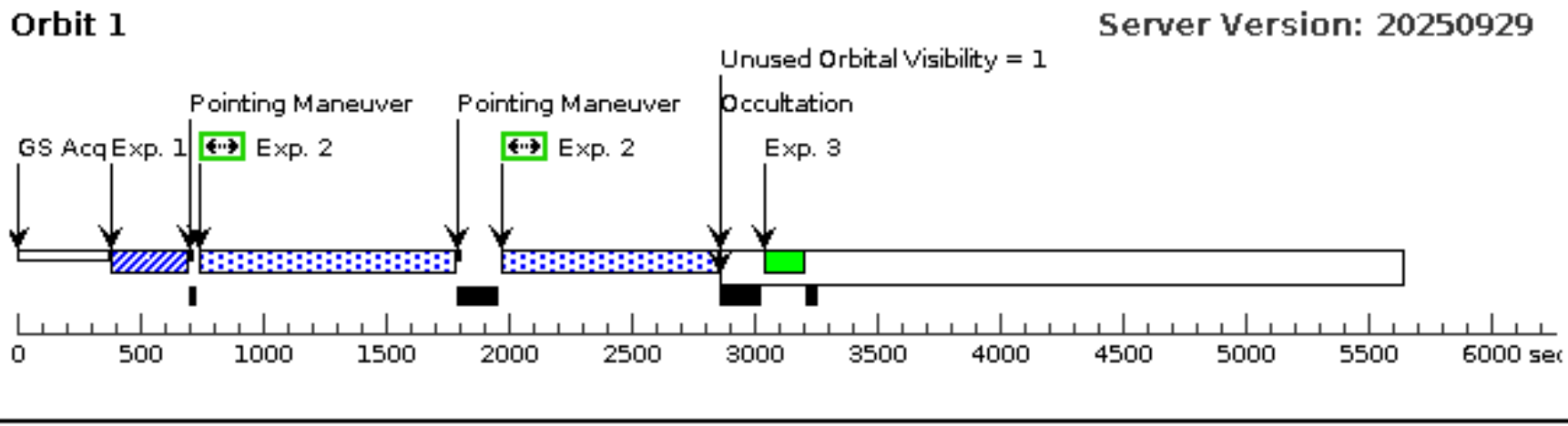
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	TOI-2443	RA: 02 40 42.8731 (40.1786379d) Dec: +01 11 55.24 (1.19868d) Equinox: J2000	Proper Motion RA: 283.915 mas/yr Proper Motion Dec: 231.745 mas/yr Parallax: 0.0418223" Epoch of Position: 2000.0	V=9.508999824523926 G=9.04, NUV=18.44	Reference Frame: ICRS

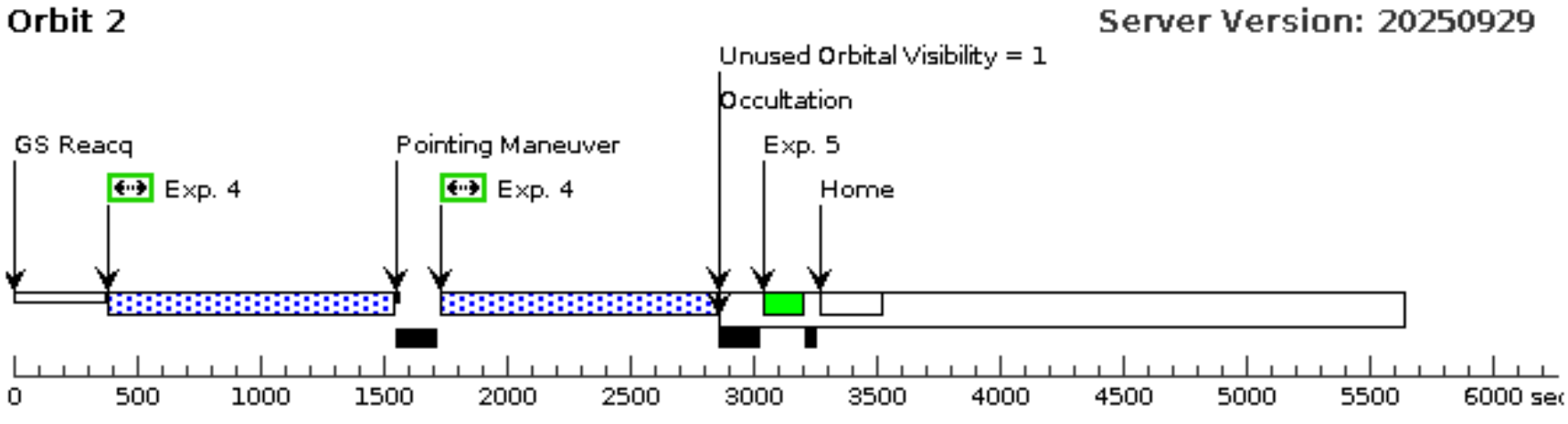
Comments: Predicted Lya flux before ISM absorption 4.7e-13;FUV used for buffer time estimate 22.28;deemed INACTIVE on the basis of age > 1;stellar mass 0.66;stellar Teff 4357.00;no GALEX fuv observation;Rossby number unknown due to no cataloged rotation period;cataloged age of 4e+09 Gyr
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(8) TOI-2443	STIS/CCD, ACQ, F25ND3	MIRROR				3.5 Secs (3.5 Secs) *[==>]*	***[1]***
2	(2026273)	(8) TOI-2443	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-2443 b Baseline (19) (1)	400 Secs (1722 Secs) *[==>861.0 Secs (Pattern 1)]* *[==>861.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(8) TOI-2443	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-2443 b Baseline (19) (2)	500 Secs (2202 Secs) *[==>1101.0 Secs (Pattern 1)]* *[==>1101.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[2]***

Orbit Structure





Visit

Proposal 18226, TOI-2443 b Transit (20), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER 19 BY 6 H TO 24 H; Period 15.66858000000 D AND ZERO-PHASE HJD2461091.00331000

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2), (6), (10)
	Purpose=BACKGROUND	Pattern Orientation=90.0		
	Number Of Points=2	Angle Between Sides=		
	Point Spacing=0.58	Center Pattern=true		
	Line Spacing=			
(2)	Pattern Type=LINE	Coordinate Frame=POS-TARG		(4), (8)
	Purpose=BACKGROUND	Pattern Orientation=270		
	Number Of Points=2	Angle Between Sides=		
	Point Spacing=0.58	Center Pattern=true		
	Line Spacing=			

Fixed Targets

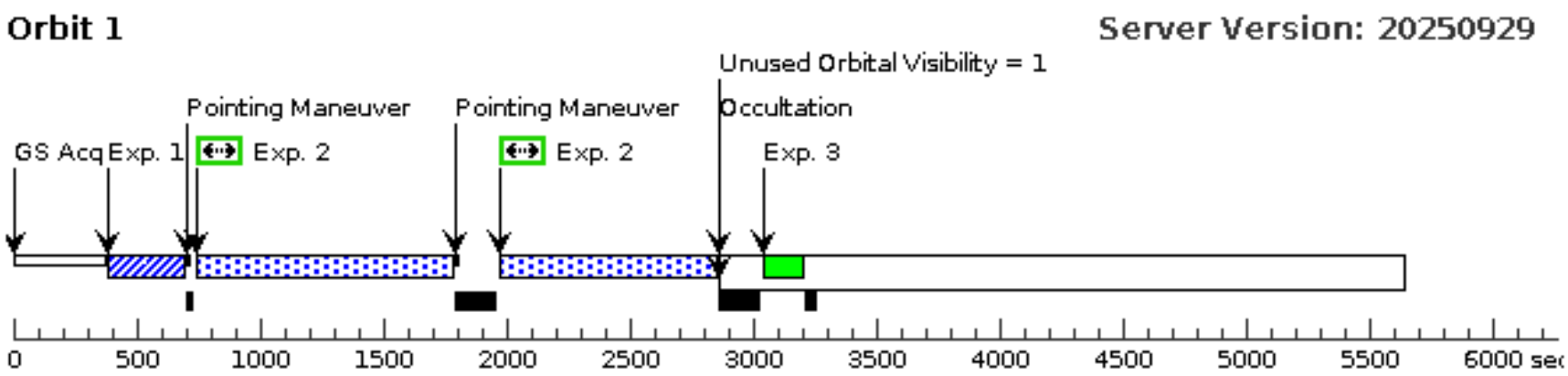
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	TOI-2443	RA: 02 40 42.8731 (40.1786379d)	Proper Motion RA: 283.915 mas/yr	V=9.508999824523926	Reference Frame: ICRS
		Dec: +01 11 55.24 (1.19868d)	Proper Motion Dec: 231.745 mas/yr	G=9.04,	
		Equinox: J2000	Parallax: 0.0418223"	NUV=18.44	
			Epoch of Position: 2000.0		

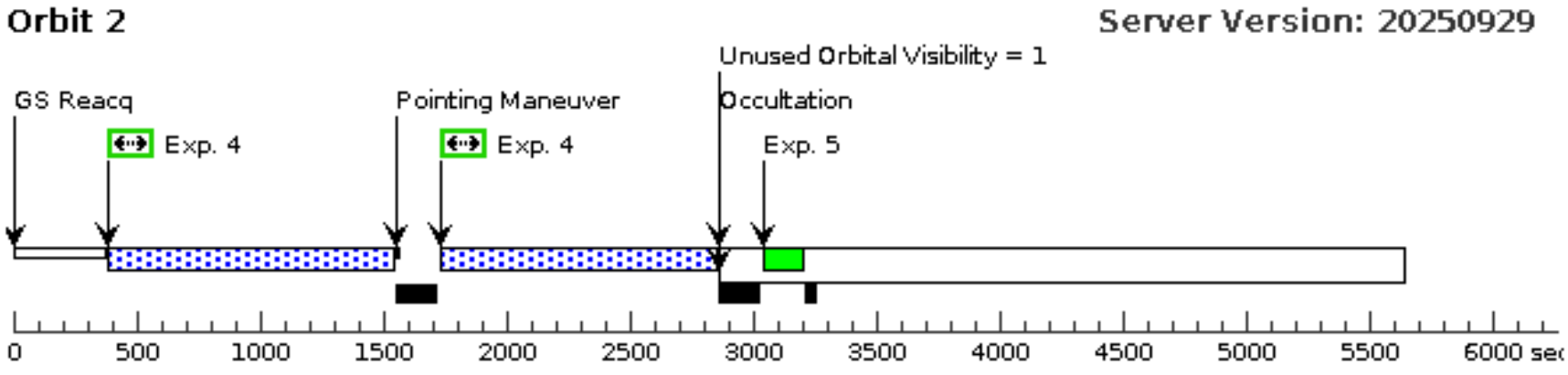
Comments: Predicted Lya flux before ISM absorption 4.7e-13;FUV used for buffer time estimate 22.28;deemed INACTIVE on the basis of age > 1;stellar mass 0.66;stellar Teff 4357.00;no GALEX fuv observation;Rossby number unknown due to no cataloged rotation period;cataloged age of 4e+09 Gyr
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

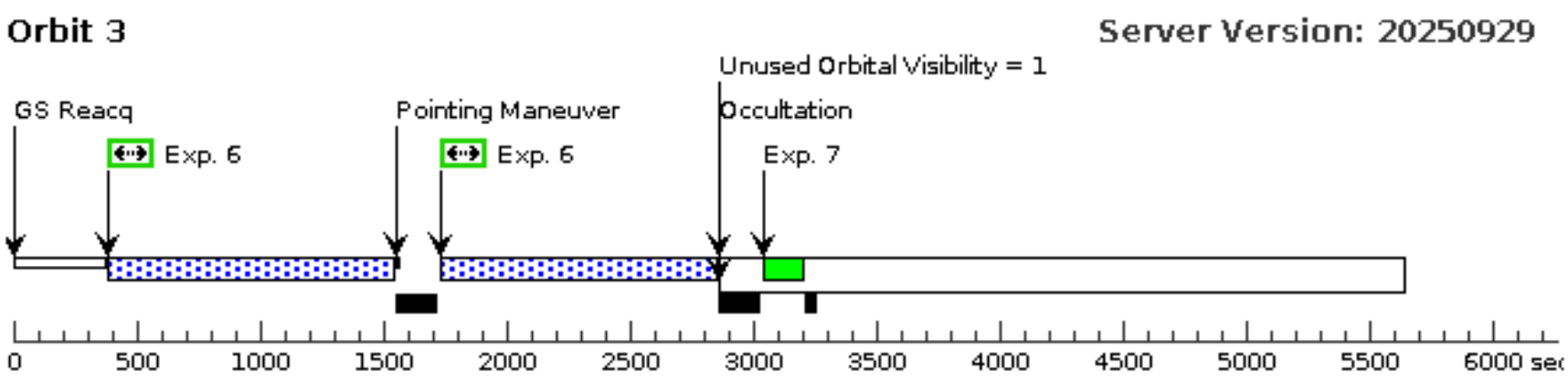
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(8) TOI-2443	STIS/CCD, ACQ, F25ND3	MIRROR		PHASE 0.98794695 07341019 TO 0.9932 654501343878		3.5 Secs (3.5 Secs) *[==>]*	***[1]***
2	(2026273)	(8) TOI-2443	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-2443 b Transit (20) (1)	400 Secs (1722 Secs) *[==>861.0 Secs (Pattern 1)]* *[==>861.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(8) TOI-2443	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-2443 b Transit (20) (2)	500 Secs (2202 Secs) *[==>1101.0 Secs (Pattern 1)]* *[==>1101.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[2]***
6	(2026273)	(8) TOI-2443	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 6-6 in TOI-2443 b Transit (20) (1)	500 Secs (2202 Secs) *[==>1101.0 Secs (Pattern 1)]* *[==>1101.0 Secs (Pattern 2)]*	***[3]***
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[3]***
8	(2026273)	(8) TOI-2443	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 8-8 in TOI-2443 b Transit (20) (2)	500 Secs (2202 Secs) *[==>1101.0 Secs (Pattern 1)]* *[==>1101.0 Secs (Pattern 2)]*	***[4]***
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[4]***
10	(2026273)	(8) TOI-2443	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 10-10 in TOI-2443 b Transit (20) (1)	500 Secs (2202 Secs) *[==>1101.0 Secs (Pattern 1)]* *[==>1101.0 Secs (Pattern 2)]*	***[5]***
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[5]***

Orbit Structure



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Pointing Maneuver
Occultation
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Exp. 6
Exp. 7
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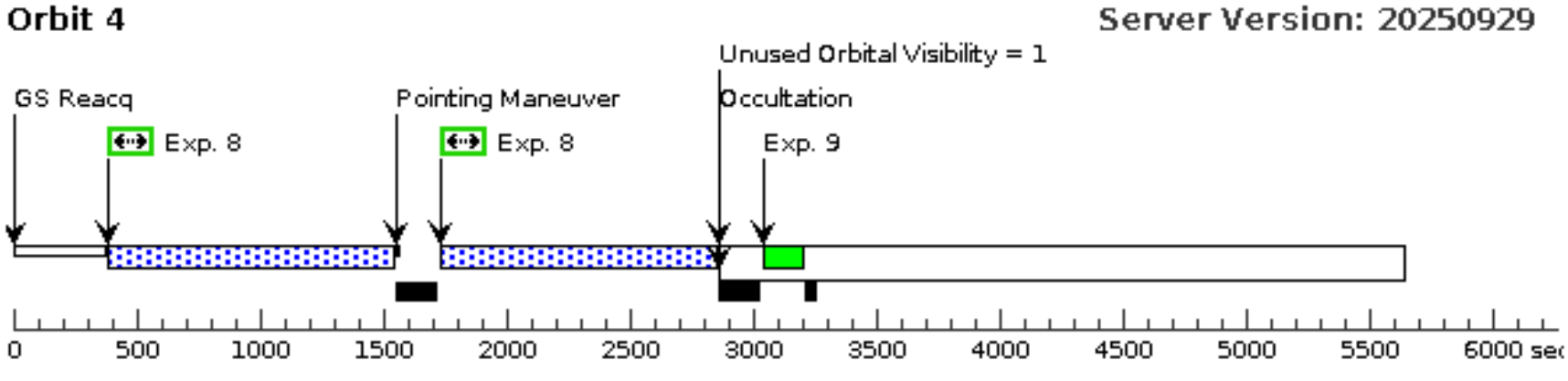
5000
5500
6000 sec


Orbit 4
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GS Reacq
Pointing Maneuver
Occultation
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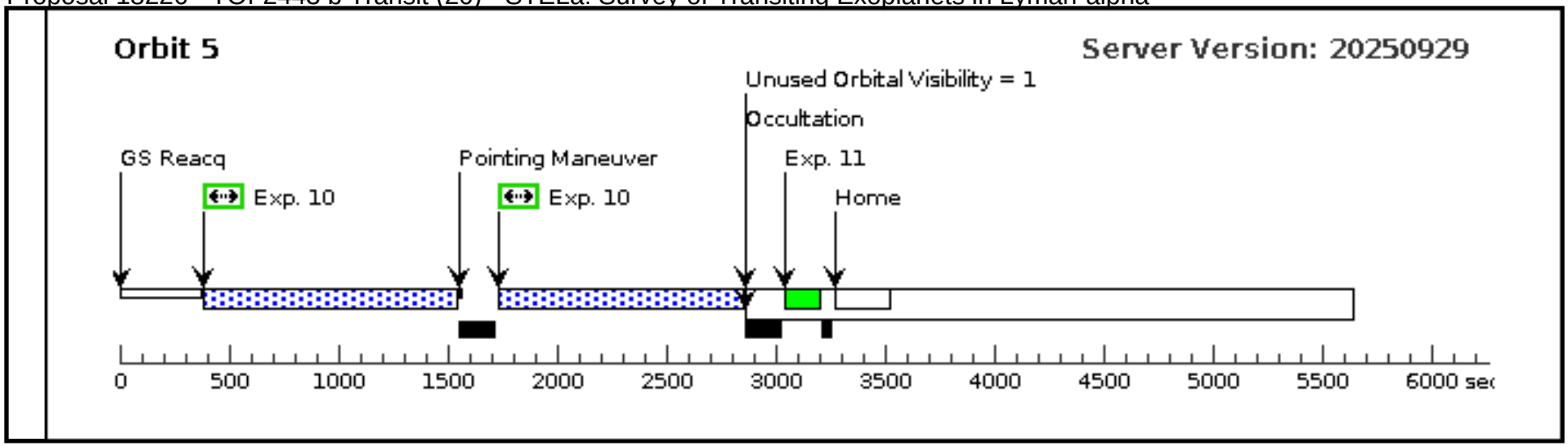
Orbit 5
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GS Reacq
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Pointing Maneuver
Exp. 10
Exp. 11
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0
500
1000
1500
2000
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3000
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4000
4500
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5500
6000 sec

Visit

Proposal 18226, TOI-260 b Baseline (21), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

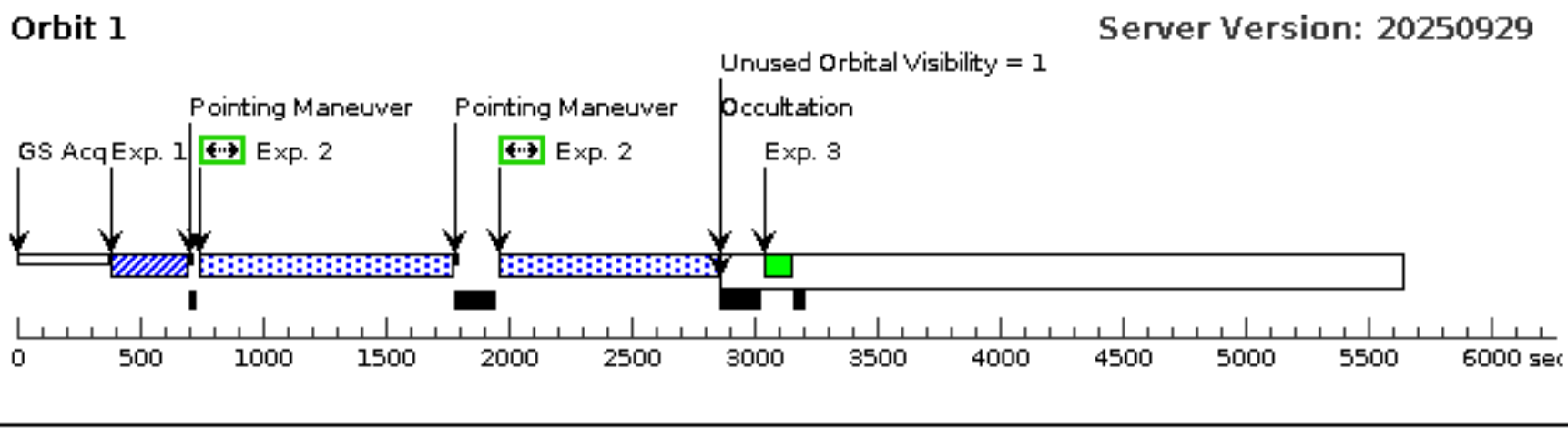
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	TOI-260	RA: 00 19 5.5623 (4.7731762d) Dec: -09 57 53.47 (-9.96485d) Equinox: J2000	Proper Motion RA: -36.325 mas/yr Proper Motion Dec: -301.491 mas/yr Parallax: 0.049475700000000004" Epoch of Position: 2000.0 Radial Velocity: -12.387 km/sec	V=9.897000312805176 G=9.316665649414062	Reference Frame: ICRS

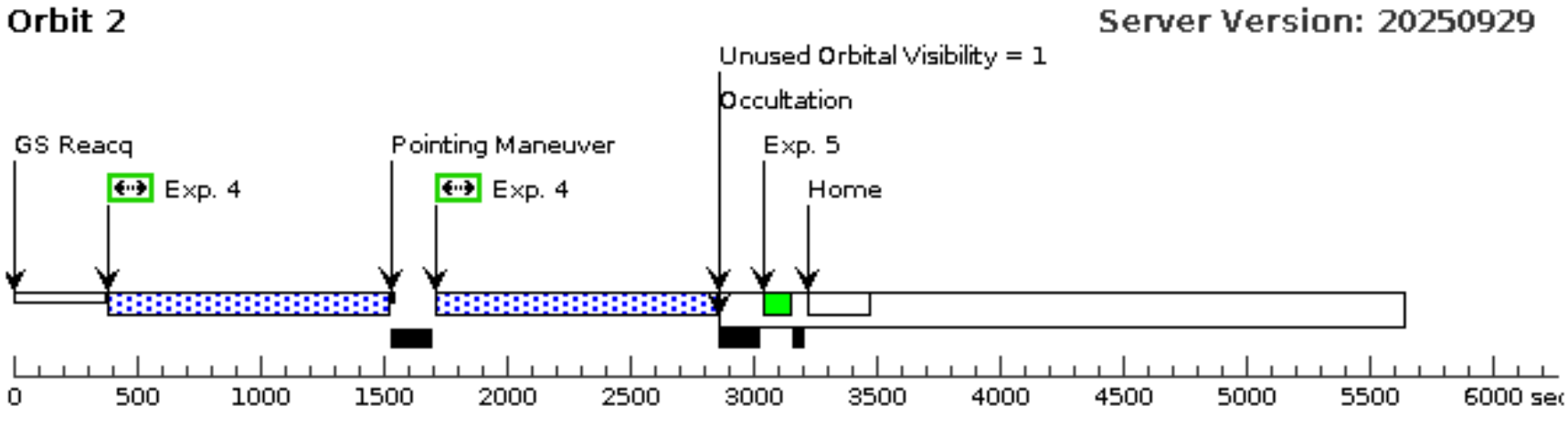
Comments:
Category=STAR
Description=[M V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(9) TOI-260	STIS/CCD, ACQ, F25ND3	MIRROR				4.7 Secs (4.7 Secs) *[==>]*	***[1]***
2	(2026273)	(9) TOI-260	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-260 b Baseline (21) (1)	400 Secs (1746 Secs) *[==>873.0 Secs (Pattern 1)]* *[==>873.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(9) TOI-260	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-260 b Baseline (21) (2)	500 Secs (2248 Secs) *[==>1124.0 Secs (Pattern 1)]* *[==>1124.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***

Orbit Structure





Visit

Proposal 18226, TOI-260 b Transit (22), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER 21 BY 6 H TO 24 H; Period 13.47585300000 D AND ZERO-PHASE HJD2461100.94065300

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2), (6), (10)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4), (8)

Fixed Targets

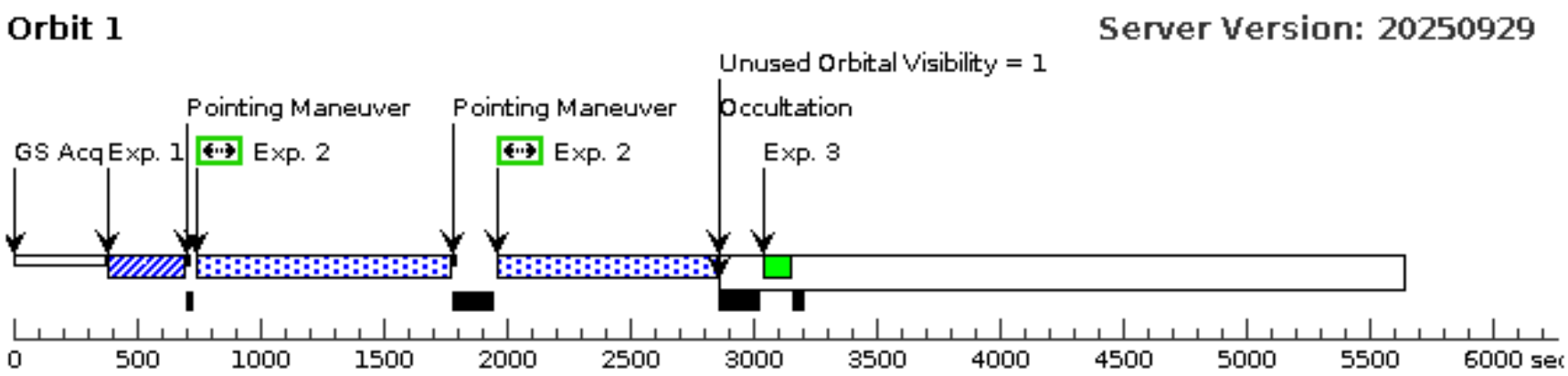
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	TOI-260	RA: 00 19 5.5623 (4.7731762d) Dec: -09 57 53.47 (-9.96485d) Equinox: J2000	Proper Motion RA: -36.325 mas/yr Proper Motion Dec: -301.491 mas/yr Parallax: 0.049475700000000004" Epoch of Position: 2000.0 Radial Velocity: -12.387 km/sec	V=9.897000312805176 G=9.316665649414062	Reference Frame: ICRS

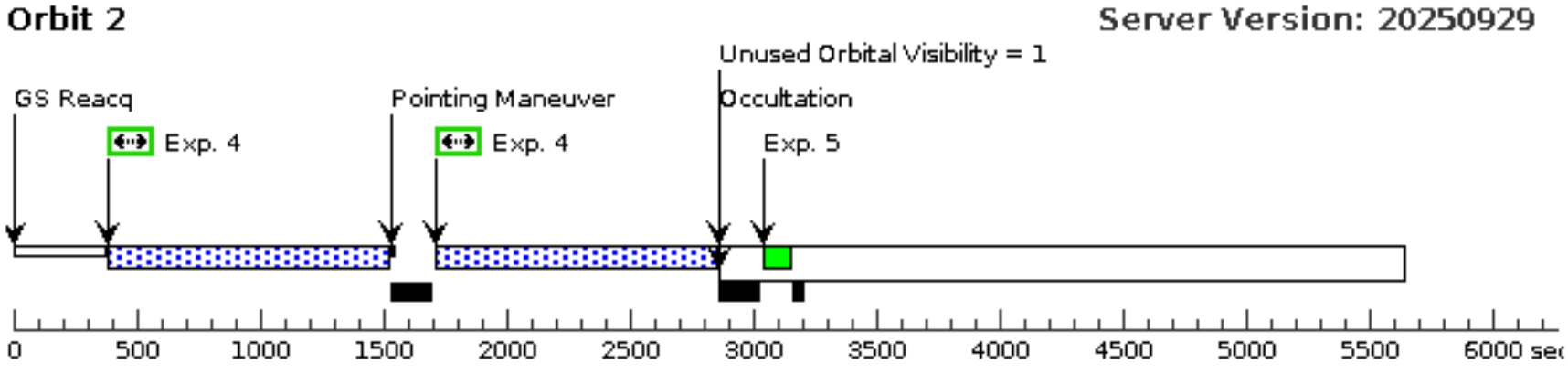
Comments:
Category=STAR
Description=[M V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

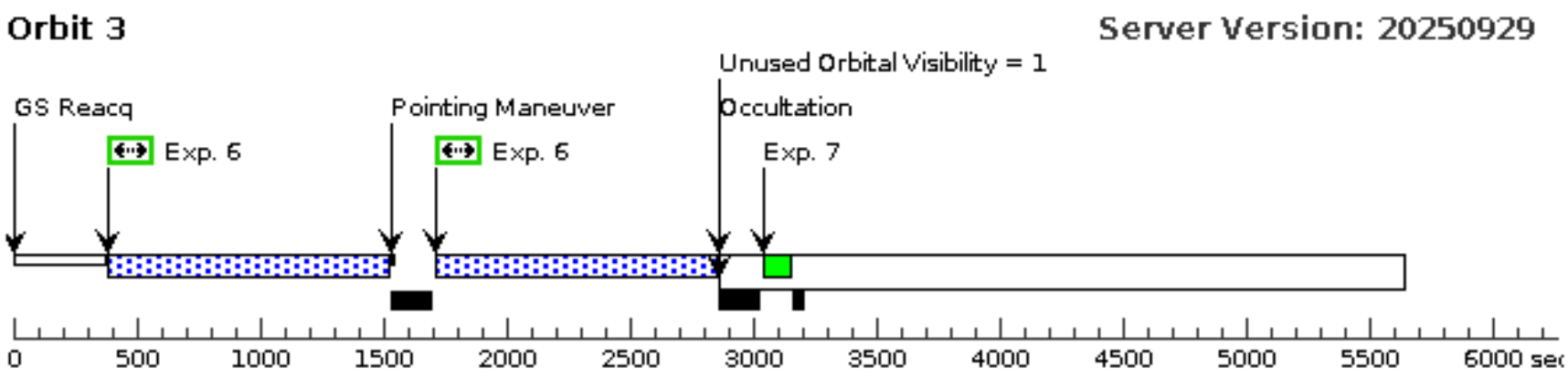
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(9) TOI-260	STIS/CCD, ACQ, F25ND3	MIRROR		PHASE 0.98598573 56215843 TO 0.9921 69636064349		4.7 Secs (4.7 Secs) *[==>]*	***[1]***
2	(2026273)	(9) TOI-260	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-260 b Transit (22) (1)	400 Secs (1746 Secs) *[==>873.0 Secs (Pattern 1)]* *[==>873.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(9) TOI-260	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-260 b Transit (22) (2)	500 Secs (2248 Secs) *[==>1124.0 Secs (Pattern 1)]* *[==>1124.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***
6	(2026273)	(9) TOI-260	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 6-6 in TOI-260 b Transit (22) (1)	500 Secs (2248 Secs) *[==>1124.0 Secs (Pattern 1)]* *[==>1124.0 Secs (Pattern 2)]*	***[3]***
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[3]***
8	(2026273)	(9) TOI-260	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 8-8 in TOI-260 b Transit (22) (2)	500 Secs (2248 Secs) *[==>1124.0 Secs (Pattern 1)]* *[==>1124.0 Secs (Pattern 2)]*	***[4]***
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[4]***
10	(2026273)	(9) TOI-260	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 10-10 in TOI-260 b Transit (22) (1)	500 Secs (2248 Secs) *[==>1124.0 Secs (Pattern 1)]* *[==>1124.0 Secs (Pattern 2)]*	***[5]***
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[5]***

Orbit Structure






Orbit 3
Server Version: 20250929
Unused Orbital Visibility = 1
GS Reacq
Pointing Maneuver
Occultation
Exp. 6
Exp. 6
Exp. 7
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1500
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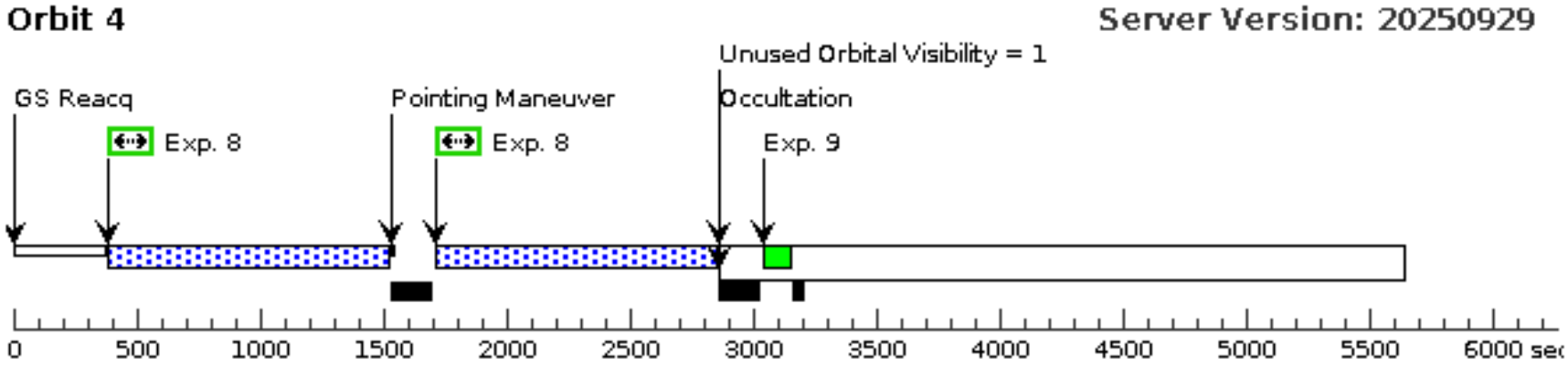
2500
3000
3500
4000
4500
5000
5500
6000 sec


Orbit 4
Server Version: 20250929
Unused Orbital Visibility = 1
GS Reacq
Pointing Maneuver
Occultation
Exp. 8
Exp. 8
Exp. 9
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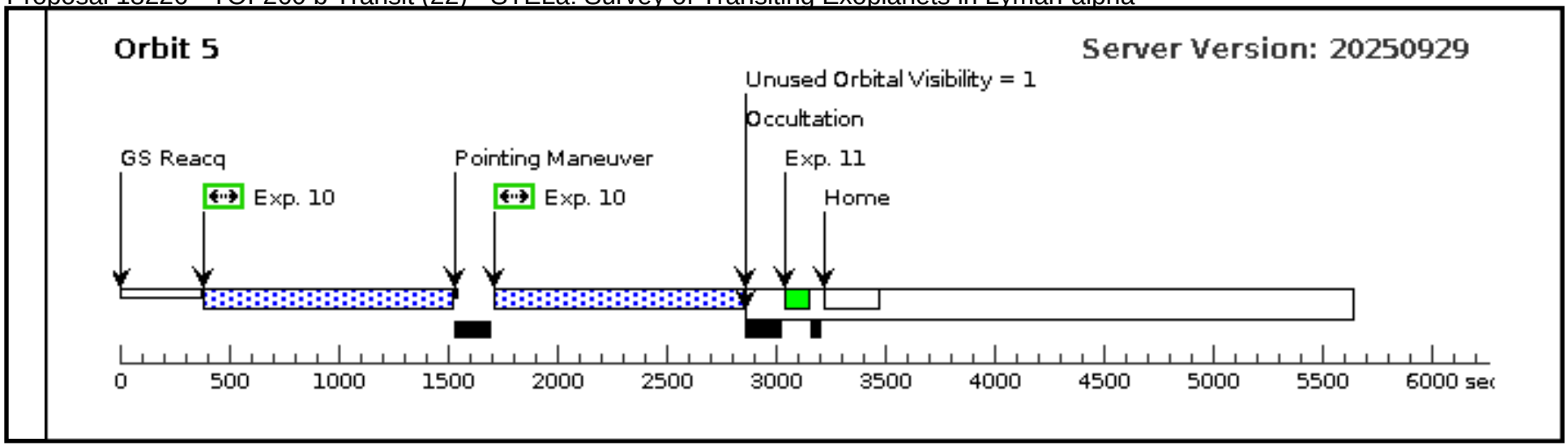
2500
3000
3500
4000
4500
5000
5500
6000 sec


Orbit 5
Server Version: 20250929
Unused Orbital Visibility = 1
Occultation
GS Reacq
Exp. 10
Pointing Maneuver
Exp. 10
Exp. 11
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18226, TOI-431 d Baseline (23), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

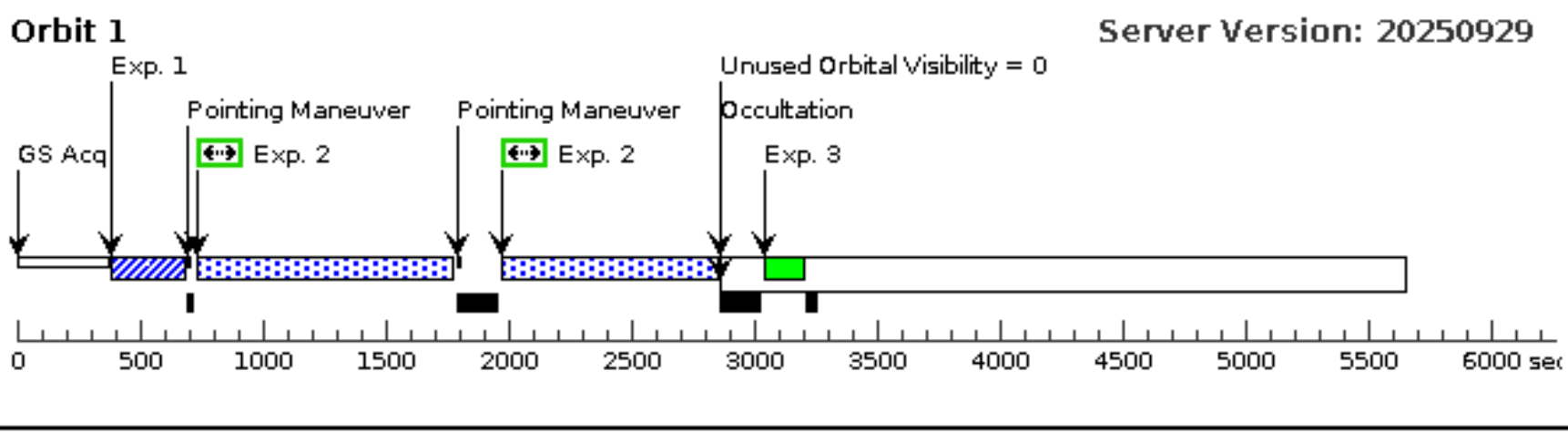
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	TOI-431	RA: 05 33 4.6005 (83.2691688d) Dec: -26 43 28.27 (-26.72452d) Equinox: J2000	Proper Motion RA: 16.886 mas/yr Proper Motion Dec: 150.779 mas/yr Parallax: 0.0306517" Epoch of Position: 2000.0 Radial Velocity: 47.289 km/sec	V=9.130000114440918 G=8.798720359802246	Reference Frame: ICRS

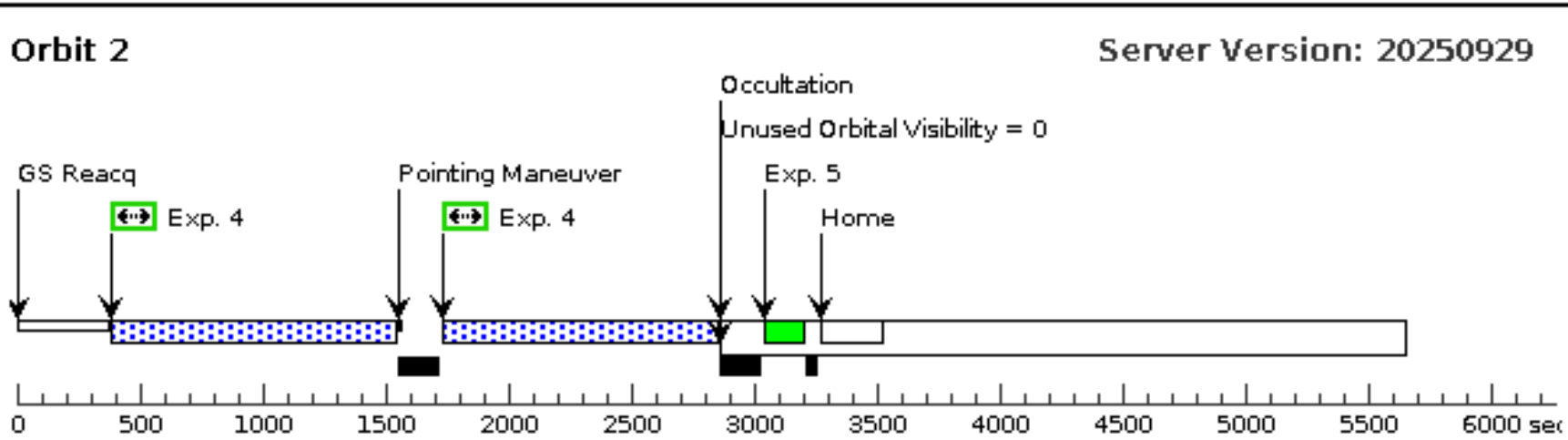
Comments:
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(10) TOI-431	STIS/CCD, ACQ, F25ND3	MIRROR				2.7 Secs (2.7 Secs) *[==>]*	***[1]***
2	(2026273)	(10) TOI-431	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-431 d Baseline (23) (1)	400 Secs (1724 Secs) *[==>862.0 Secs (Pattern 1)]* *[==>862.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(10) TOI-431	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-431 d Baseline (23) (2)	500 Secs (2200 Secs) *[==>1100.0 Secs (Pattern 1)]* *[==>1100.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[2]***

Orbit Structure





Visit

Proposal 18226, TOI-431 d Transit (24), implementation Mon May 11 14:00:54 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER 23 BY 6 H TO 24 H; Period 12.46102130000 D AND ZERO-PHASE HJD2461094.82837310

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2), (6), (10)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4), (8)

Fixed Targets

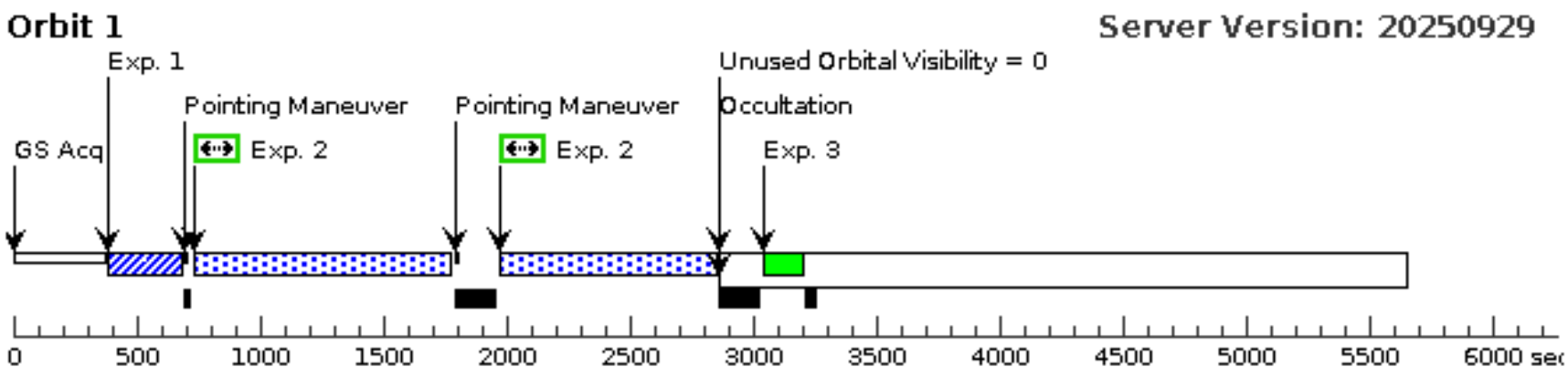
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	TOI-431	RA: 05 33 4.6005 (83.2691688d) Dec: -26 43 28.27 (-26.72452d) Equinox: J2000	Proper Motion RA: 16.886 mas/yr Proper Motion Dec: 150.779 mas/yr Parallax: 0.0306517" Epoch of Position: 2000.0 Radial Velocity: 47.289 km/sec	V=9.130000114440918 G=8.798720359802246	Reference Frame: ICRS

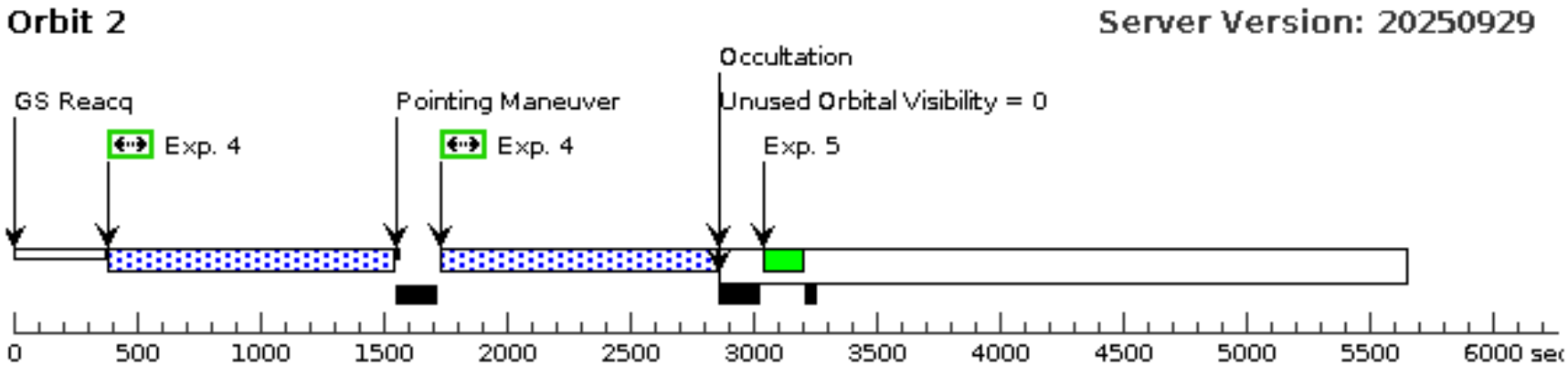
Comments:
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

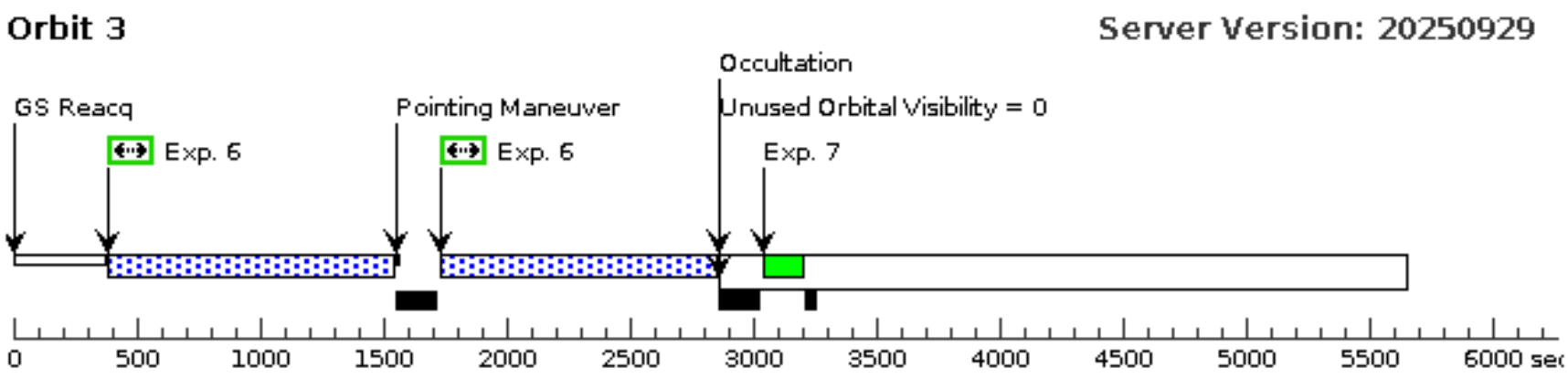
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(10) TOI-431	STIS/CCD, ACQ, F25ND3	MIRROR		PHASE 0.98484440 70417673 TO 0.9915 319273763433		2.7 Secs (2.7 Secs) *[==>]*	***[1]***
2	(2026273)	(10) TOI-431	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-431 d Transit (24) (1)	400 Secs (1724 Secs) *[==>862.0 Secs (Pattern 1)]* *[==>862.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(10) TOI-431	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-431 d Transit (24) (2)	500 Secs (2200 Secs) *[==>1100.0 Secs (Pattern 1)]* *[==>1100.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[2]***
6	(2026273)	(10) TOI-431	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 6-6 in TOI-431 d Transit (24) (1)	500 Secs (2200 Secs) *[==>1100.0 Secs (Pattern 1)]* *[==>1100.0 Secs (Pattern 2)]*	***[3]***
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[3]***
8	(2026273)	(10) TOI-431	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 2, Exps 8-8 in TOI-431 d Transit (24) (2)	500 Secs (2200 Secs) *[==>1100.0 Secs (Pattern 1)]* *[==>1100.0 Secs (Pattern 2)]*	***[4]***
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[4]***
10	(2026273)	(10) TOI-431	STIS/FUV-MAMA, TIME-TAG, 52X0.5D1	G140M 1222 A	BUFFER-TIME=10 163; WAVECAL=NO		Pattern 1, Exps 10-10 in TOI-431 d Transit (24) (1)	500 Secs (2200 Secs) *[==>1100.0 Secs (Pattern 1)]* *[==>1100.0 Secs (Pattern 2)]*	***[5]***
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.1	G140M 1222 A				*[==>]*	***[5]***

Orbit Structure






Orbit 3
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Occultation
GS Reacq
Pointing Maneuver
Unused Orbital Visibility = 0
Exp. 6
Exp. 6
Exp. 7
0
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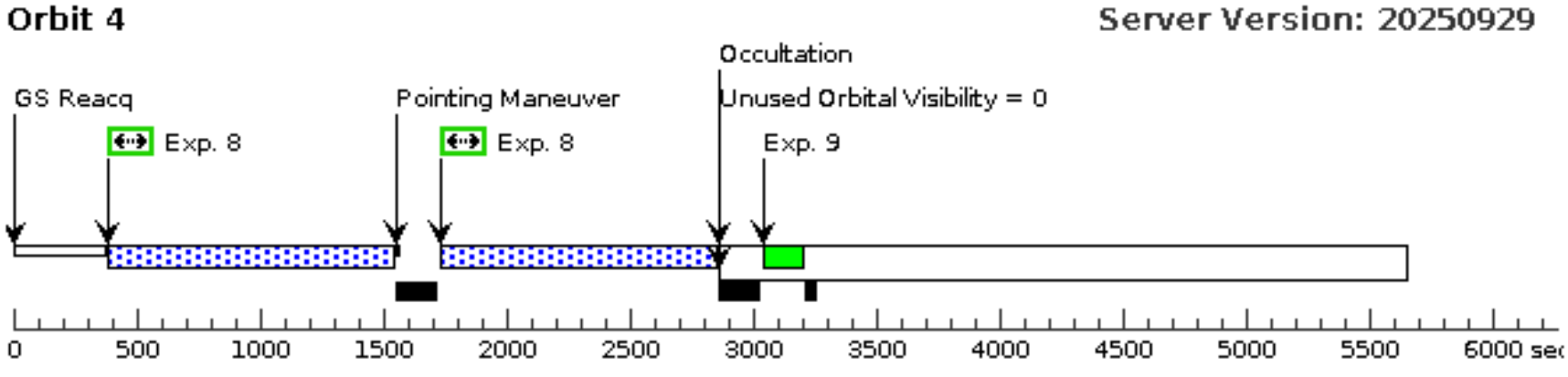
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec


Orbit 4
Server Version: 20250929
Occultation
GS Reacq
Pointing Maneuver
Unused Orbital Visibility = 0
Exp. 8
Exp. 8
Exp. 9
0
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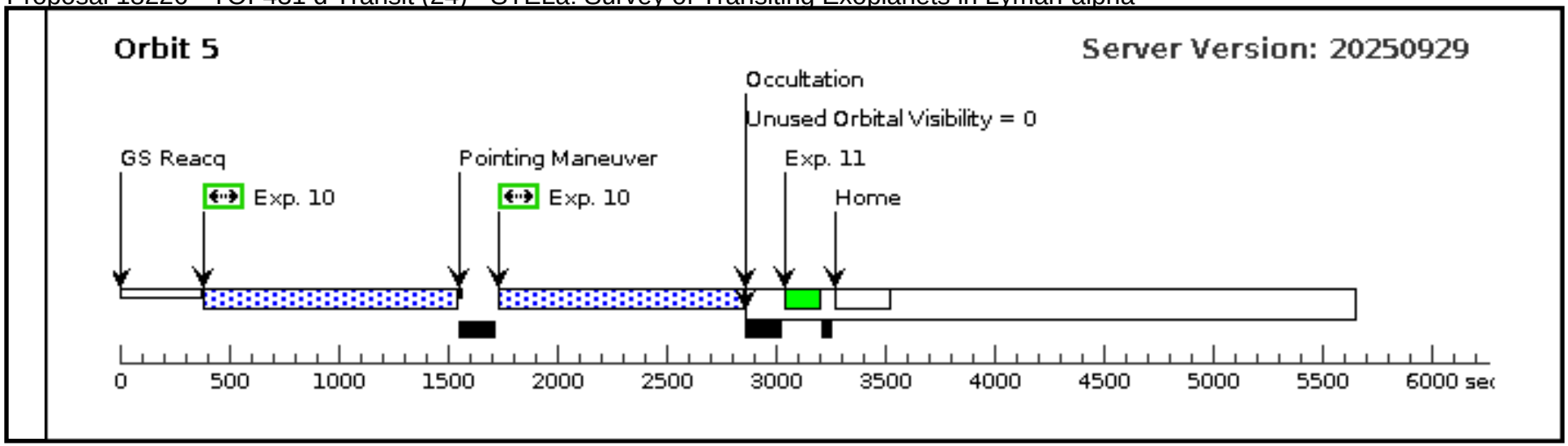
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec


Orbit 5
Server Version: 20250929
Occultation
Unused Orbital Visibility = 0
GS Reacq
Exp. 10
Pointing Maneuver
Exp. 10
Exp. 11
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18226, WASP-107 b Baseline (25), implementation Mon May 11 14:00:55 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	WASP-107	RA: 12 33 32.8441 (188.3868504d) Dec: -10 08 46.23 (-10.14617d) Equinox: J2000	Proper Motion RA: -96.665 mas/yr Proper Motion Dec: -9.371999931317987 mas/yr Parallax: 0.0155277" Epoch of Position: 2000	V=11.47	Reference Frame: ICRS

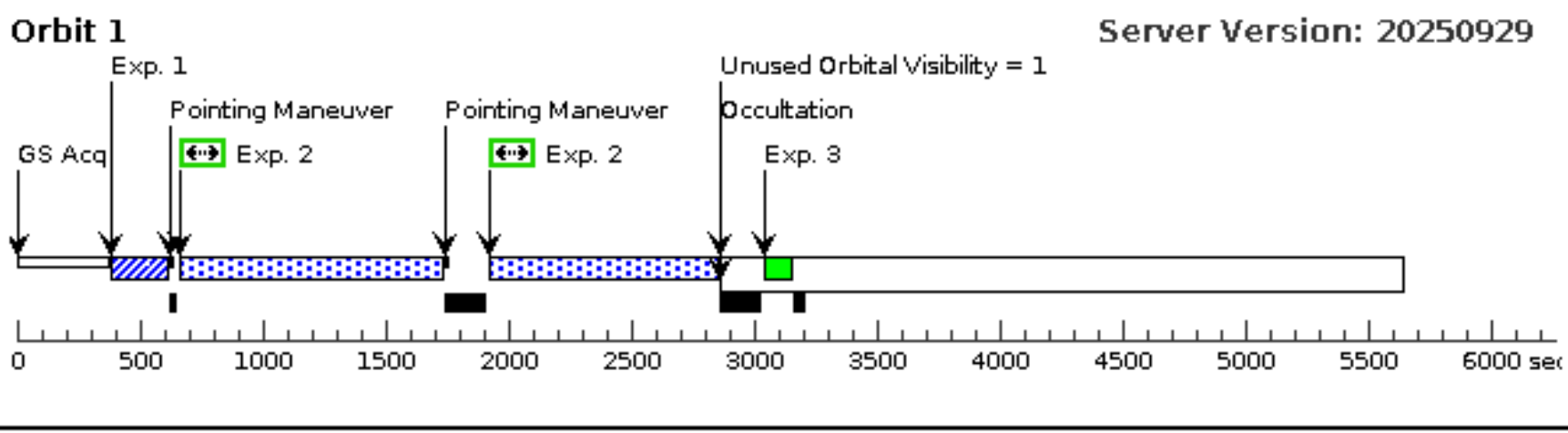
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

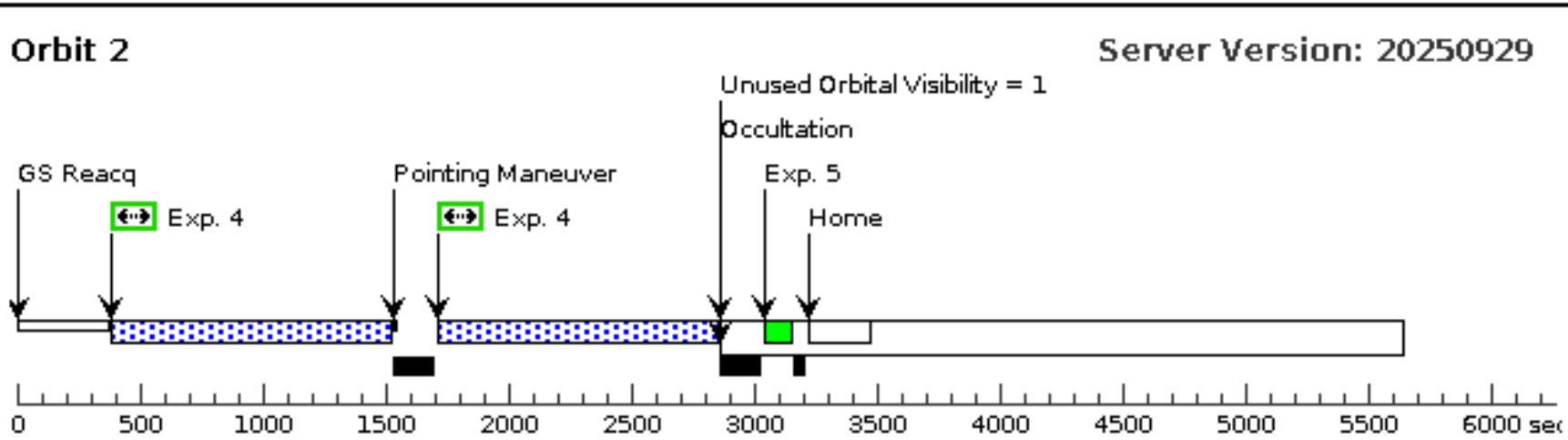
SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=STAR
Description=[EXTRA-SOLAR PLANETARY SYSTEM, K V-IV]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(11) WASP-107	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) *[==>]*	***[1]***
2	(2026273)	(11) WASP-107	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in WASP-107 b Baseline (25) (1)	400 Secs (1830 Secs) *[==>915.0 Secs (Pattern 1)]* *[==>915.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(11) WASP-107	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in WASP-107 b Baseline (25) (2)	500 Secs (2248 Secs) *[==>1124.0 Secs (Pattern 1)]* *[==>1124.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***

Orbit Structure





Visit

Proposal 18226, WASP-107 b Transit (26), implementation Mon May 11 14:00:55 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER 25 BY 6 H TO 24 H; Period 5.72148722000 D AND ZERO-PHASE HJD2461091.60171356

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2), (6), (10)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4), (8)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	WASP-107	RA: 12 33 32.8441 (188.3868504d) Dec: -10 08 46.23 (-10.14617d) Equinox: J2000	Proper Motion RA: -96.665 mas/yr Proper Motion Dec: -9.371999931317987 mas/yr Parallax: 0.0155277" Epoch of Position: 2000	V=11.47	Reference Frame: ICRS

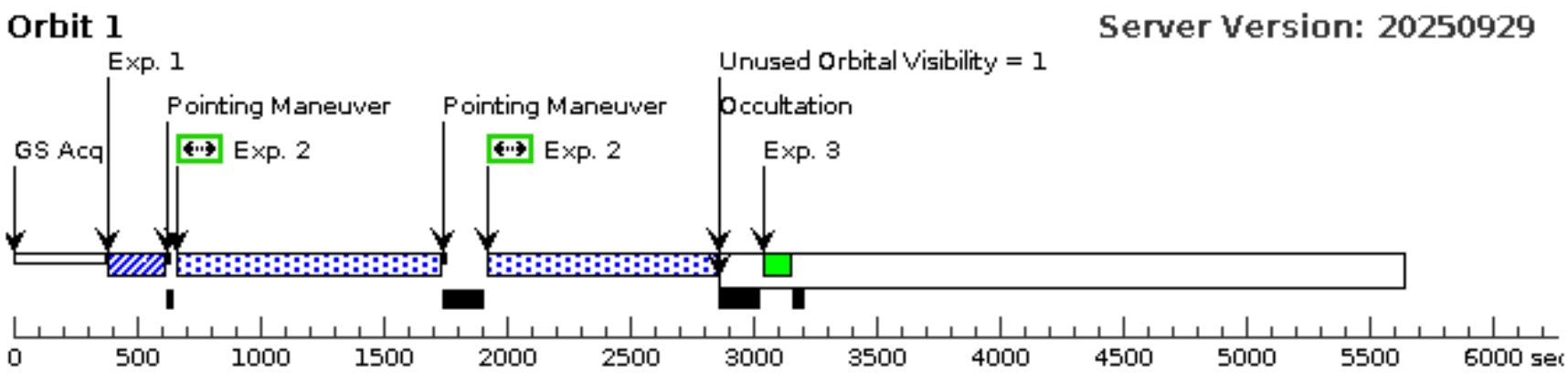
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

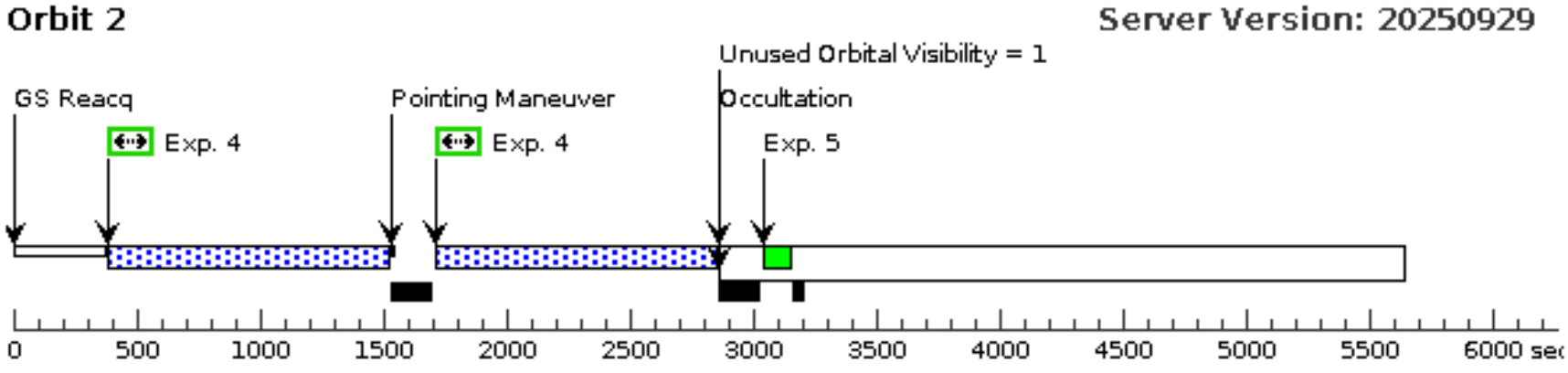
SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=STAR
Description=[EXTRA-SOLAR PLANETARY SYSTEM, K V-IV]

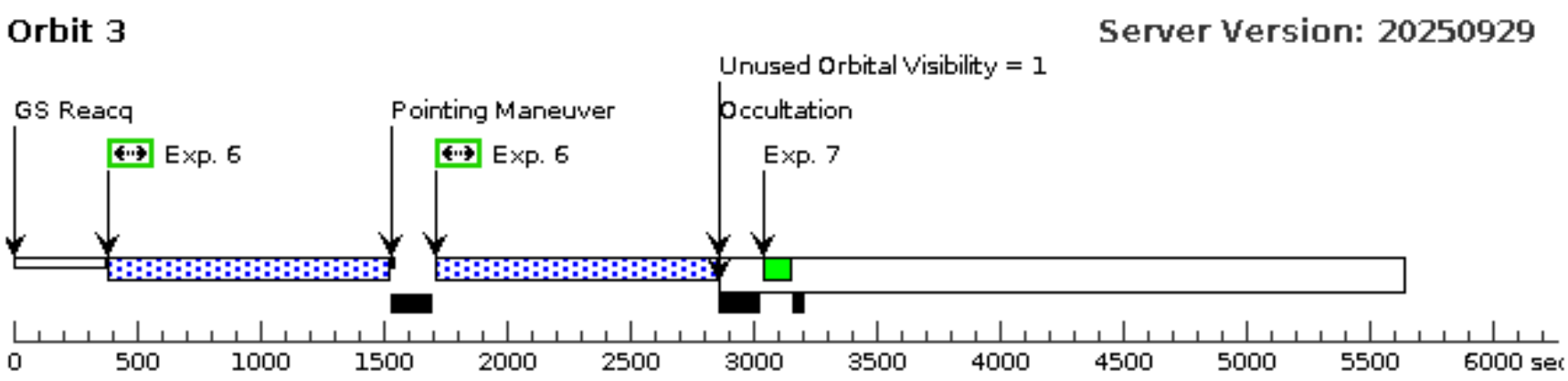
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(11) WASP-107	STIS/CCD, ACQ, F28X50LP	MIRROR		PHASE 0.98883958 58958736 TO 0.0034 045635195295697		0.1 Secs (0.1 Secs) *[==>]*	***[1]***
2	(2026273)	(11) WASP-107	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in WASP-107 b Transit (26) (1)	400 Secs (1830 Secs) *[==>915.0 Secs (Pattern 1)]* *[==>915.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(11) WASP-107	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in WASP-107 b Transit (26) (2)	500 Secs (2248 Secs) *[==>1124.0 Secs (Pattern 1)]* *[==>1124.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***
6	(2026273)	(11) WASP-107	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 6-6 in WASP-107 b Transit (26) (1)	500 Secs (2248 Secs) *[==>1124.0 Secs (Pattern 1)]* *[==>1124.0 Secs (Pattern 2)]*	***[3]***
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[3]***
8	(2026273)	(11) WASP-107	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 8-8 in WASP-107 b Transit (26) (2)	500 Secs (2248 Secs) *[==>1124.0 Secs (Pattern 1)]* *[==>1124.0 Secs (Pattern 2)]*	***[4]***
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[4]***
10	(2026273)	(11) WASP-107	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 10-10 in WASP-107 b Transit (26) (1)	500 Secs (2248 Secs) *[==>1124.0 Secs (Pattern 1)]* *[==>1124.0 Secs (Pattern 2)]*	***[5]***
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[5]***

Orbit Structure



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GS Reacq
Pointing Maneuver
Occultation
Exp. 6
Exp. 6
Exp. 7
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2000
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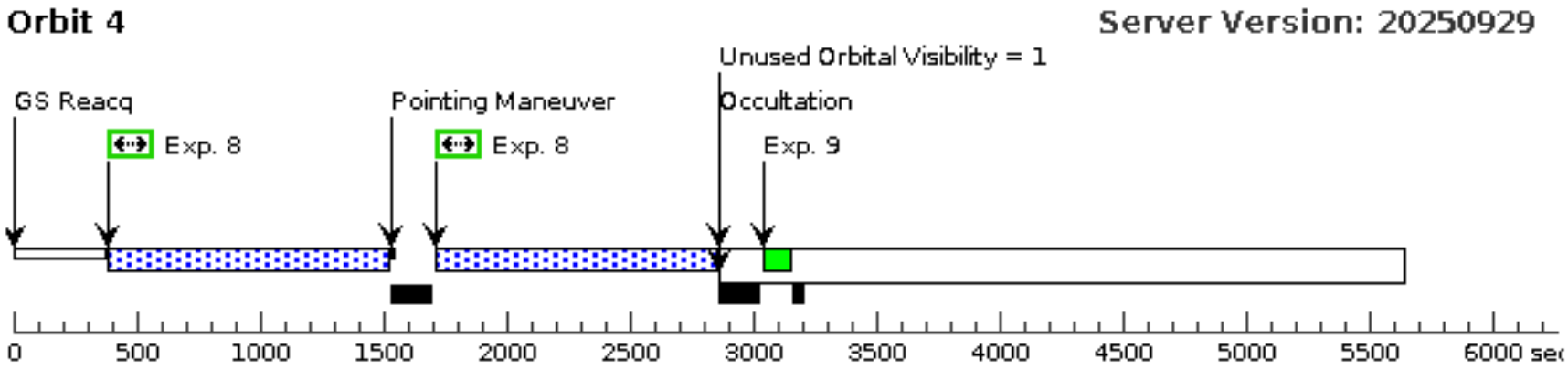
3000
3500
4000
4500
5000
5500
6000 sec


Orbit 4
Server Version: 20250929
Unused Orbital Visibility = 1
GS Reacq
Pointing Maneuver
Occultation
Exp. 8
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Exp. 9
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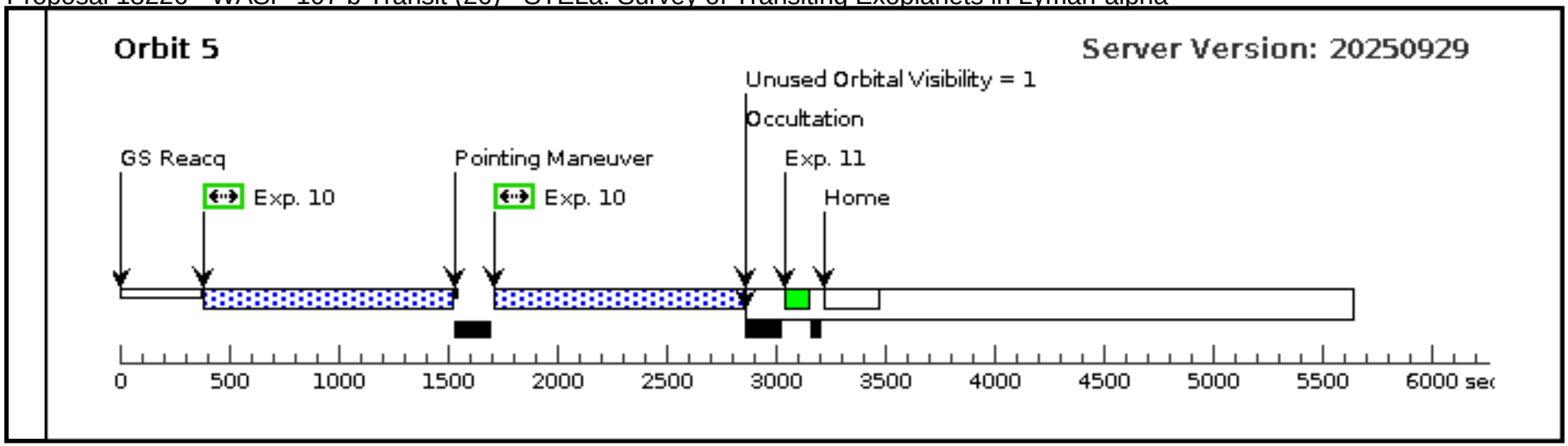
3000
3500
4000
4500
5000
5500
6000 sec


Orbit 5
Server Version: 20250929
Unused Orbital Visibility = 1
Occultation
GS Reacq
Exp. 10
Pointing Maneuver
Exp. 10
Exp. 11
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18226, TOI-2459 b Baseline (27), implementation Mon May 11 14:00:55 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4)

Fixed Targets

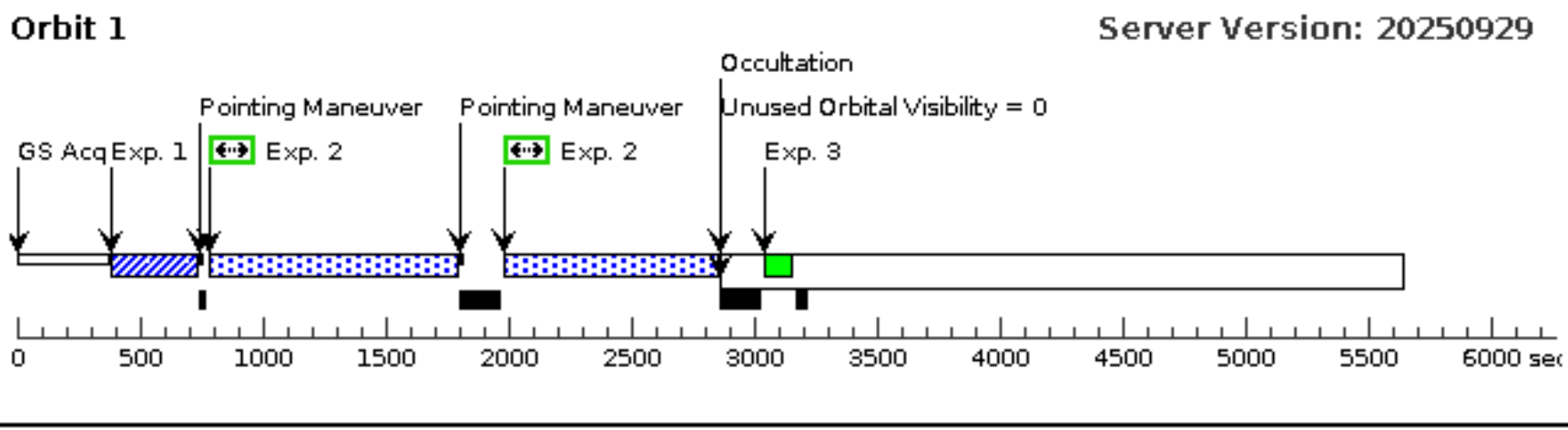
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	TOI-2459	RA: 05 28 34.2813 (82.1428387d) Dec: -39 22 23.23 (-39.37312d) Equinox: J2000	Proper Motion RA: 88.566 mas/yr Proper Motion Dec: 16.941 mas/yr Parallax: 0.0272943" Epoch of Position: 2000.0	V=10.770000457763672+/-0.05999999865889549 G=10.17, NUV=19.00, FUV=22.53	Reference Frame: ICRS

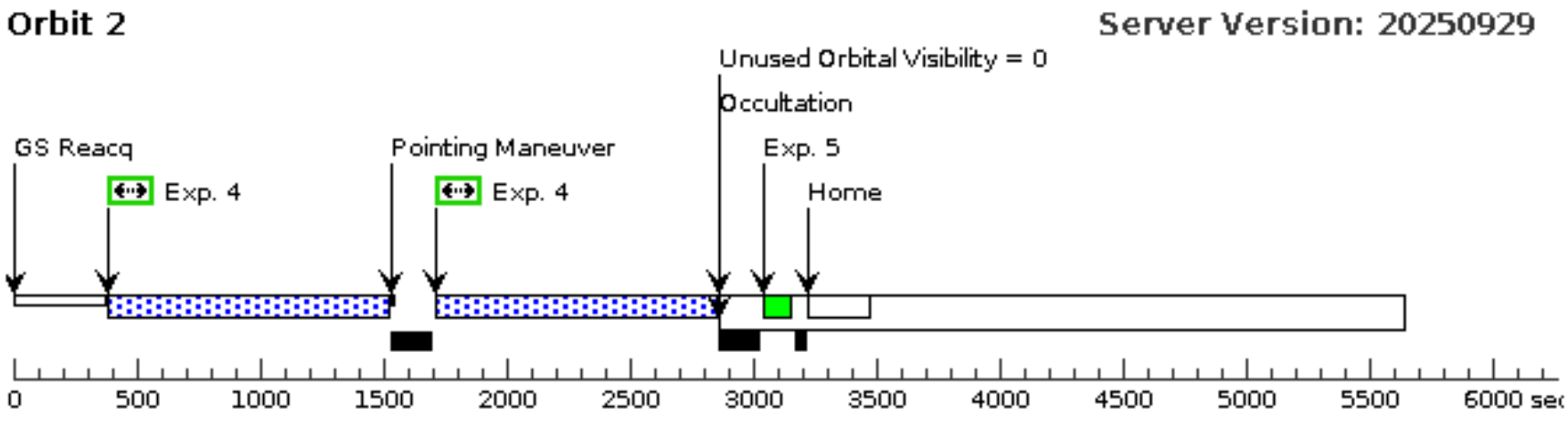
Comments: Predicted Lya flux before ISM absorption 1.2e-13;FUV used for buffer time estimate 22.53;deemed INACTIVE on the basis fuv no more than 3x brighter than median for field stars of similar Teff < 5500;stellar mass 0.66;stellar Teff 4195.00;GALEX fuv mag = 22.53;Rossby number unknown due to no cataloged rotation period;no cataloged age
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(12) TOI-2459	STIS/CCD, ACQ, F25ND3	MIRROR				15.6 Secs (15.6 Secs) *[==>]*	***[1]***
2	(2026273)	(12) TOI-2459	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-2459 b Baseline (27) (1)	400 Secs (1704 Secs) *[==>852.0 Secs (Pattern 1)]* *[==>852.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(12) TOI-2459	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-2459 b Baseline (27) (2)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***

Orbit Structure





Visit

Proposal 18226, TOI-2459 b Transit (28), implementation Mon May 11 14:00:55 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/FUV-MAMA

Special Requirements: SCHED 100%; AFTER 27 BY 6 H TO 24 H; Period 19.104718 D AND ZERO-PHASE HJD2458452.3342

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=true		(2), (6), (10)
(2)	Pattern Type=LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=0.58 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=270 Angle Between Sides= Center Pattern=true		(4), (8)

Fixed Targets

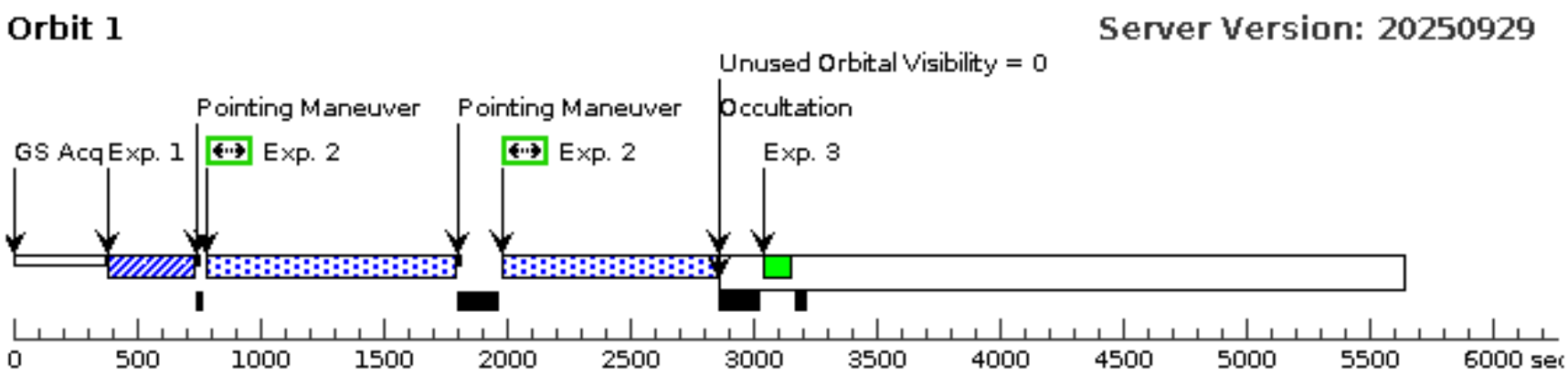
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	TOI-2459	RA: 05 28 34.2813 (82.1428387d) Dec: -39 22 23.23 (-39.37312d) Equinox: J2000	Proper Motion RA: 88.566 mas/yr Proper Motion Dec: 16.941 mas/yr Parallax: 0.0272943" Epoch of Position: 2000.0	V=10.770000457763672+/-0.05999999865889549 G=10.17, NUV=19.00, FUV=22.53	Reference Frame: ICRS

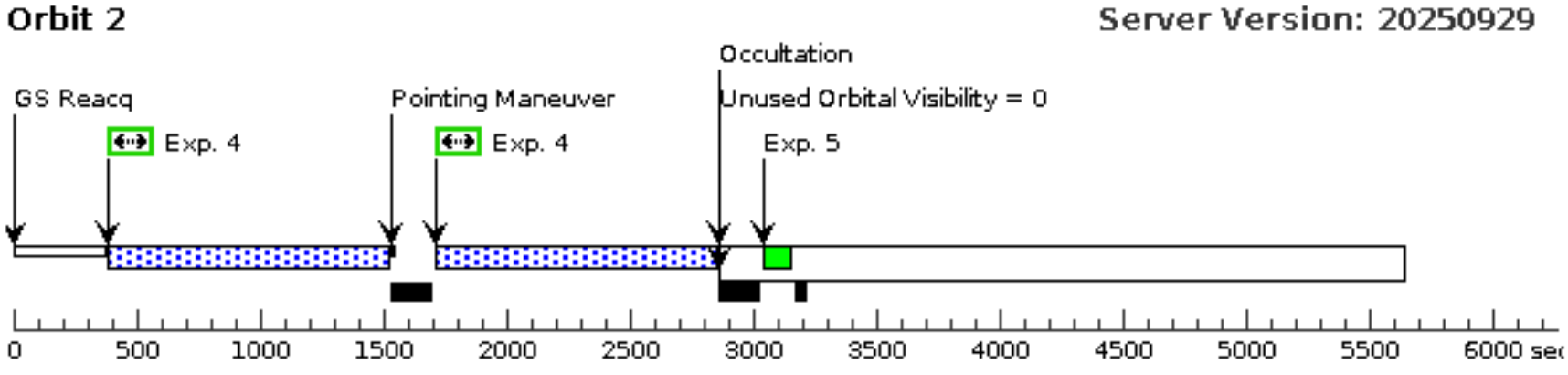
Comments: Predicted Lya flux before ISM absorption 1.2e-13;FUV used for buffer time estimate 22.53;deemed INACTIVE on the basis fuv no more than 3x brighter than median for field stars of similar Teff < 5500;stellar mass 0.66;stellar Teff 4195.00;GALEX fuv mag = 22.53;Rossby number unknown due to no cataloged rotation period;no cataloged age
Category=STAR
Description=[K V-IV, EXTRA-SOLAR PLANETARY SYSTEM]

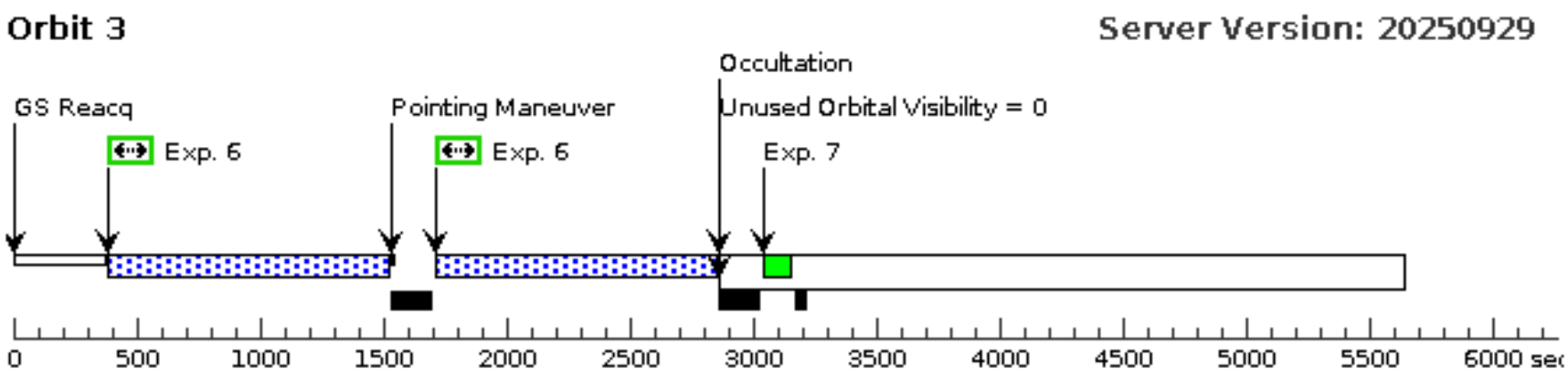
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(12) TOI-2459	STIS/CCD, ACQ, F25ND3	MIRROR		PHASE 0.99229575 12379926 TO 0.9966 576755193839		15.6 Secs (15.6 Secs) *[==>]*	***[1]***
2	(2026273)	(12) TOI-2459	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 2-2 in TOI-2459 b Transit (28) (1)	400 Secs (1704 Secs) *[==>852.0 Secs (Pattern 1)]* *[==>852.0 Secs (Pattern 2)]*	***[1]***
3		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[1]***
4	(2026273)	(12) TOI-2459	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 4-4 in TOI-2459 b Transit (28) (2)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	***[2]***
5		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[2]***
6	(2026273)	(12) TOI-2459	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 6-6 in TOI-2459 b Transit (28) (1)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	***[3]***
7		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[3]***
8	(2026273)	(12) TOI-2459	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 2, Exps 8-8 in TOI-2459 b Transit (28) (2)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	***[4]***
9		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[4]***
10	(2026273)	(12) TOI-2459	STIS/FUV-MAMA, TIME-TAG, 52X0.2D1	G140M 1222 A	BUFFER-TIME=10163; WAVECAL=NO		Pattern 1, Exps 10-10 in TOI-2459 b Transit (28) (1)	500 Secs (2250 Secs) *[==>1125.0 Secs (Pattern 1)]* *[==>1125.0 Secs (Pattern 2)]*	***[5]***
11		WAVE	STIS/FUV-MAMA, ACCUM, 52X0.2	G140M 1222 A				*[==>]*	***[5]***

Orbit Structure



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Pointing Maneuver
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Exp. 6
Exp. 7
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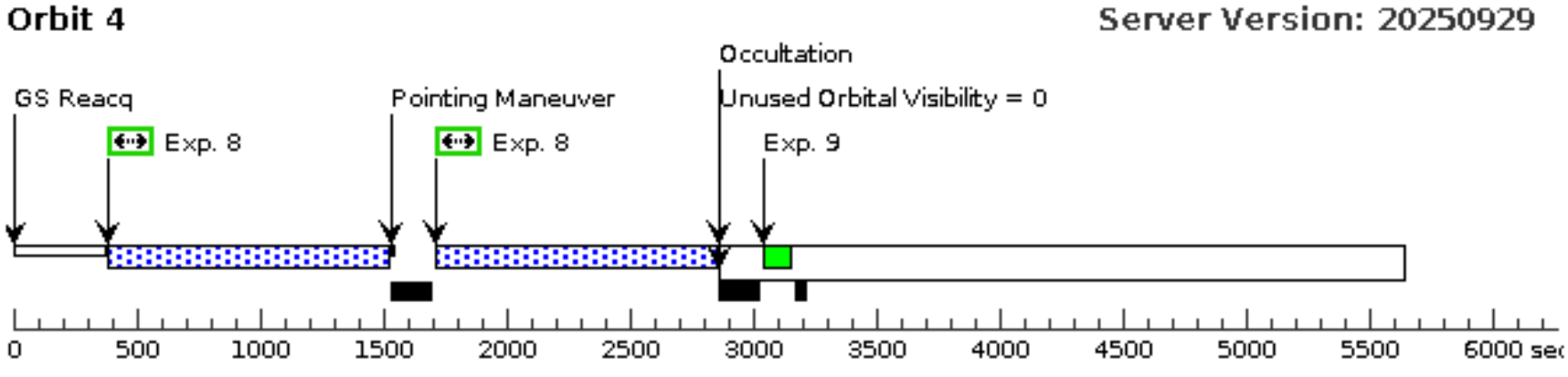
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec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Occultation
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Pointing Maneuver
Unused Orbital Visibility = 0
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Exp. 9
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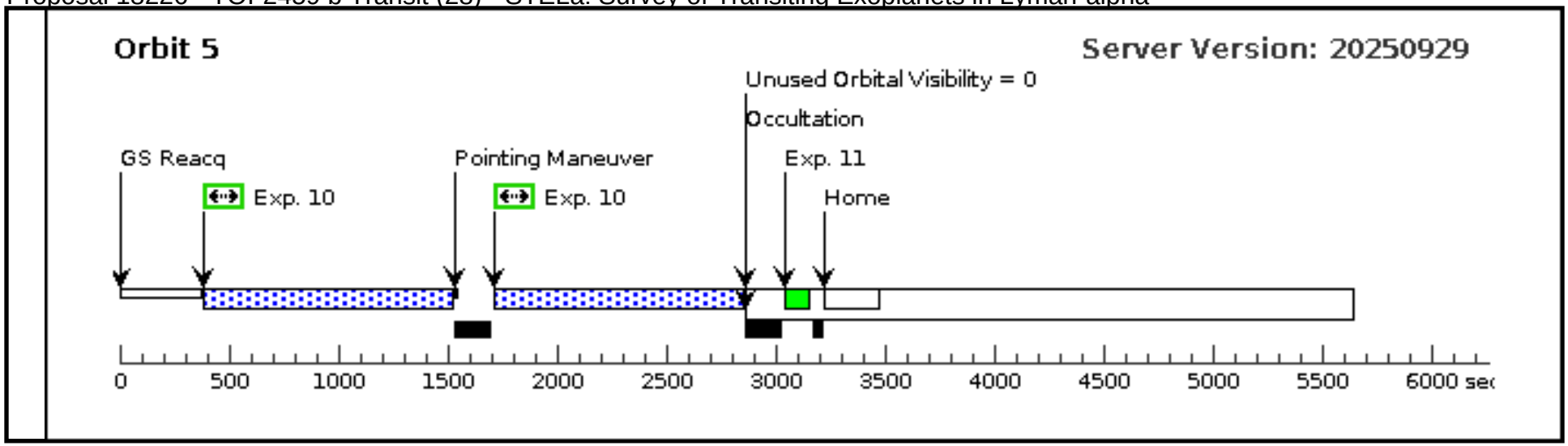
Orbit 5
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Unused Orbital Visibility = 0
Occultation
GS Reacq
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Pointing Maneuver
Exp. 10
Exp. 11
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5000
5500
6000 sec