18107 - Baryonic Escape, Abundances, and Thermodynamics in Cosmic Ecosystems (BEATriCE)

Cycle: 33, Proposal Category: GO

(Availability Mode: SUPPORTED)

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Name	***Institution***
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Dr. Gregory Walth (CoI)	California Institute of Technology
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VISITS

Visit	***Targets used in Visit***	***Configurations used in Visit***	***Orbits Used***	***Last Orbit Planner Run***	***OP Current with Visit?***
01	(1) J2339-5523	COS/NUV	4	17-Oct-2025 10:00:17.0	yes
02	(1) J2339-5523	COS/NUV	3	17-Oct-2025 10:00:18.0	yes
03	(2) J0154-0712	COS/NUV	4	17-Oct-2025 10:00:19.0	yes
04	(2) J0154-0712	COS/NUV	4	17-Oct-2025 10:00:20.0	yes
05	(3) J0111-0316	COS/NUV	4	17-Oct-2025 10:00:21.0	yes
06	(3) J0111-0316	COS/NUV	4	17-Oct-2025 10:00:21.0	yes
07	(4) J0333-4102	COS/NUV	4	17-Oct-2025 10:00:22.0	yes
08	(4) J0333-4102	COS/NUV	3	17-Oct-2025 10:00:23.0	yes
09	(5) J2308-5258	COS/NUV	3	17-Oct-2025 10:00:23.0	yes
10	(5) J2308-5258	COS/NUV	3	17-Oct-2025 10:00:24.0	yes
11	(5) J2308-5258	COS/NUV	4	17-Oct-2025 10:00:25.0	yes
12	(6) J0114-4129	COS/NUV	3	17-Oct-2025 10:00:26.0	yes
13	(6) J0114-4129	COS/NUV	3	17-Oct-2025 10:00:26.0	yes
14	(6) J0114-4129	COS/NUV	4	17-Oct-2025 10:00:27.0	yes
15	(1) J2339-5523	STIS/CCD STIS/NUV-MAMA	3	17-Oct-2025 10:00:28.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
16	(2) J0154-0712	STIS/CCD STIS/NUV-MAMA	3	17-Oct-2025 10:00:28.0	yes
17	(3) J0111-0316	STIS/CCD STIS/NUV-MAMA	3	17-Oct-2025 10:00:29.0	yes
18	(4) J0333-4102	STIS/CCD STIS/NUV-MAMA	3	17-Oct-2025 10:00:30.0	yes
19	(5) J2308-5258	STIS/CCD STIS/NUV-MAMA	4	17-Oct-2025 10:00:31.0	yes
20	(6) J0114-4129	STIS/CCD STIS/NUV-MAMA	4	17-Oct-2025 10:00:32.0	yes

70 Total Orbits Used

ABSTRACT

Galaxy growth is inextricably linked to cosmic ecosystems-the intergalactic & circumgalactic medium (IGM/CGM)-which contain the fuel for future star formation and upon which kinematic, thermal, and chemical signatures of the resulting feedback are inscribed. Unveiling these hidden drivers of galaxy evolution was ranked among the three key priorities for this decade by ASTRO 2020. However, observations of the CGM/IGM are primarily limited to low redshift (z<0.5) and Cosmic Noon (2<z<3.5), leaving ~85% of cosmic metals unaccounted for at the critical z=1 epoch when galaxies settle from bursty youth to their modern order and quiescence. We propose an ambitious but efficient program to supplement archival HST UV spectra with new high-resolution NUV spectra for six z>1 quasars with archival HST images and deep MUSE galaxy surveys to inform Baryonic Escape, Abundances, and Thermodynamics in Cosmic Ecosystems (BEATriCE) . BEATriCE will revolutionize studies of the gaseous ecosystems in which galaxies evolve over nearly 2/3 of cosmic time by establishing a sample of 100 z=1 galaxies with surrounding CGM/IGM probed by contiguous FUV-NUV spectra. The new NUV spectra will cover the HI Lyman series and a suite of multi-phase, multi-element ions to capture the diverse nucleosynthetic history and physical properties of the CGM. Leveraging galaxies identified in existing MUSE surveys and both new and archival UV spectra, BEATriCE will secure the HST UV spectral legacy at a new epoch, enabling pioneering archival studies over the coming decade as we plan for the Habitable Worlds Observatory.

OBSERVING DESCRIPTION

This program will obtain medium and high resolution NUV spectra that will result in contiguous FUV-NUV spectral coverage for six quasars at z>1 that have existing FUV spectra from COS G130M+G160M, as well as STIS NUV spectra covering 2070-2750 Angstroms. Obtaining the contiguous NUV spectral coverage requires observations in multiple cenwave settings of COS NUV G185M and E230M spectra in the 2707 cenwave setting. All targets have been successfully observed with COS FUV and STIS E230M in the past and are point sources with highly accurate coordinates available from GAIA.

COS NUV G185M setup:

The target S/N for the spectra is ~10 per 20 km/s spectral element. Consequently, we require only one FP-POS setting per cenwave setting and will use the nominal FP-POS=3 setting for all G185M observations. We will observe multiple cenwaves, including 1850, 1864, 1882, 1890, 1913, 1921, 1941, and 1953 to cover the desired spectral range. Each visit is a package of 3-4 orbits to minimize overheads with one cenwave setting observed per orbit. To enable science progress when fields are partly completed, we chose cenwave settings in each visit to deliver approximately contiguous wavelength coverage over as large a fraction of the desired wavelength range as possible.

Achieving the desired S/N of 10 per 20 km/s spectral element across the proposed spectral range requires 7 to 10 orbits per sightline. We packaged these orbits in visits of between 3 and 4 orbits.

In all cases, the COS NUV target acquisition will be performed in ACQ/IMAGE mode using MIRROR B.

STIS E230M setup:

The STIS observations will use E230M with the 2707 cenwave to complete the NUV coverage of the quasars, covering the CIV doublet up to z~1. The observations will be acquired with the 0.2"x0.2" aperture to achieve high spectral resolution. Previous observations with STIS for the same targets demonstrate that ACQ target acquisition with the STIS/CCD mode is sufficient to place the targets in the 0.2"x0.2" slit.

Achieving the desired S/N requires between 3 and 4 orbits per quasar, so we packaged all the STIS observations for each sightline into a single 3-4 orbit visit.

Visit

Proposal 18107, Visit 01, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Four orbit visit for J2339-5523. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1850, 1882, and 1913 and half an orbit each in 1864 and 1941. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

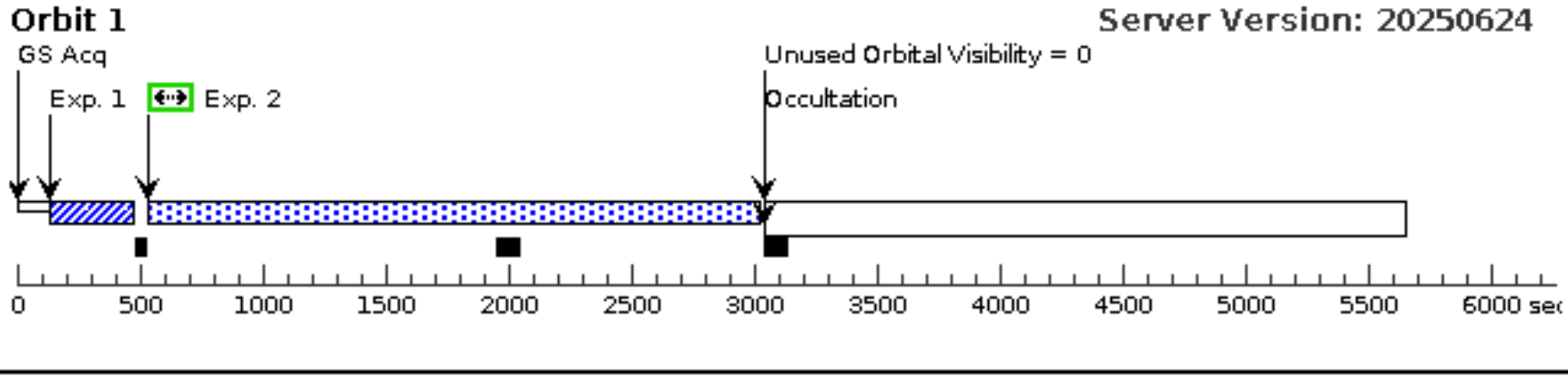
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	J2339-5523 Alt Name1: HE2336-5540	RA: 23 39 13.2183 (354.8050762d) Dec: -55 23 50.84 (-55.39746d) Equinox: J2000	Proper Motion RA: 0.0 Proper Motion Dec: 0.0 Redshift: 1.3531	V=15.19 NUV=16.1 (Cycle 31 STIS-based) or 16.40 (GALEX AIS)	Reference Frame: ICRS

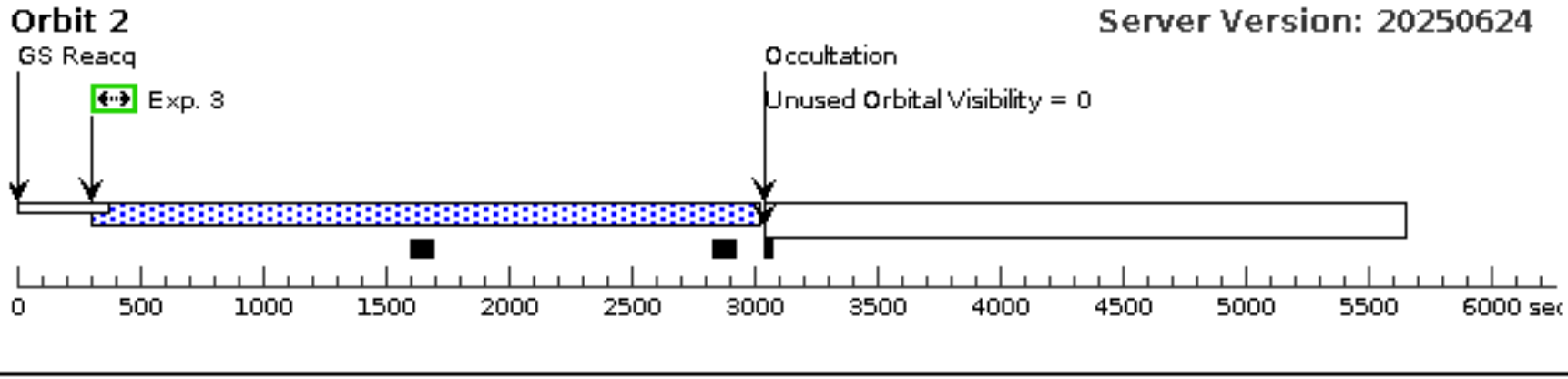
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

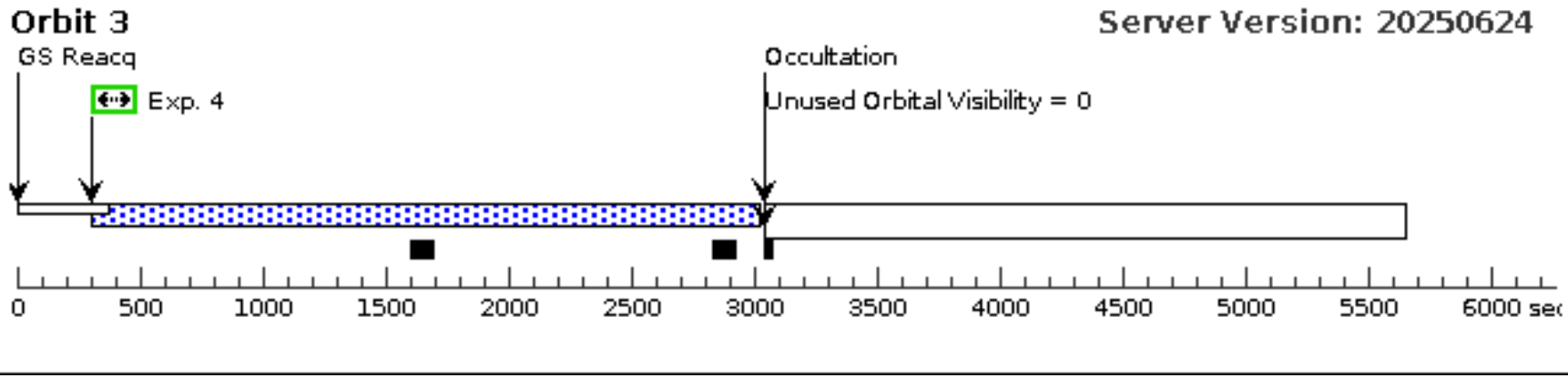
Exposures

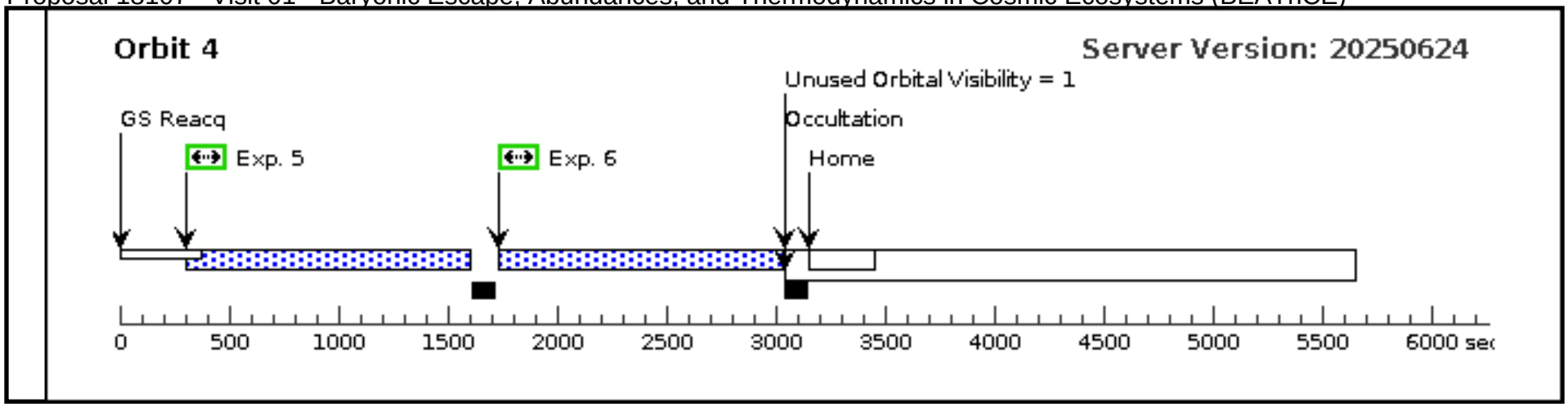
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145922)	(1) J2339-5523	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				15 Secs (15 Secs) *[==>]*	***[1]***
2	(COS.sp.2024603)	(1) J2339-5523	COS/NUV, TIME-TAG, PSA	G185M 1850 A	FP-POS=3; BUFFER-TIME=1229			2000 Secs (2296 Secs) *[==>2296.0 Secs]*	***[1]***
3	(COS.sp.2024608)	(1) J2339-5523	COS/NUV, TIME-TAG, PSA	G185M 1882 A	FP-POS=3; BUFFER-TIME=1228			2000 Secs (2637 Secs) *[==>2637.0 Secs]*	***[2]***
4	(COS.sp.2024609)	(1) J2339-5523	COS/NUV, TIME-TAG, PSA	G185M 1913 A	FP-POS=3; BUFFER-TIME=1228			2000 Secs (2637 Secs) *[==>2637.0 Secs]*	***[3]***
5	(COS.sp.2024610)	(1) J2339-5523	COS/NUV, TIME-TAG, PSA	G185M 1864 A	FP-POS=3; BUFFER-TIME=1228			1000 Secs (1210 Secs) *[==>1210.0 Secs]*	***[4]***
6	(COS.sp.2024611)	(1) J2339-5523	COS/NUV, TIME-TAG, PSA	G185M 1941 A	FP-POS=3; BUFFER-TIME=1228			1000 Secs (1210 Secs) *[==>1210.0 Secs]*	***[4]***

Orbit Structure





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Exp. 6
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2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18107, Visit 02, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Three orbit visit for J2339-5523. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1890, 1921, and 1953. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

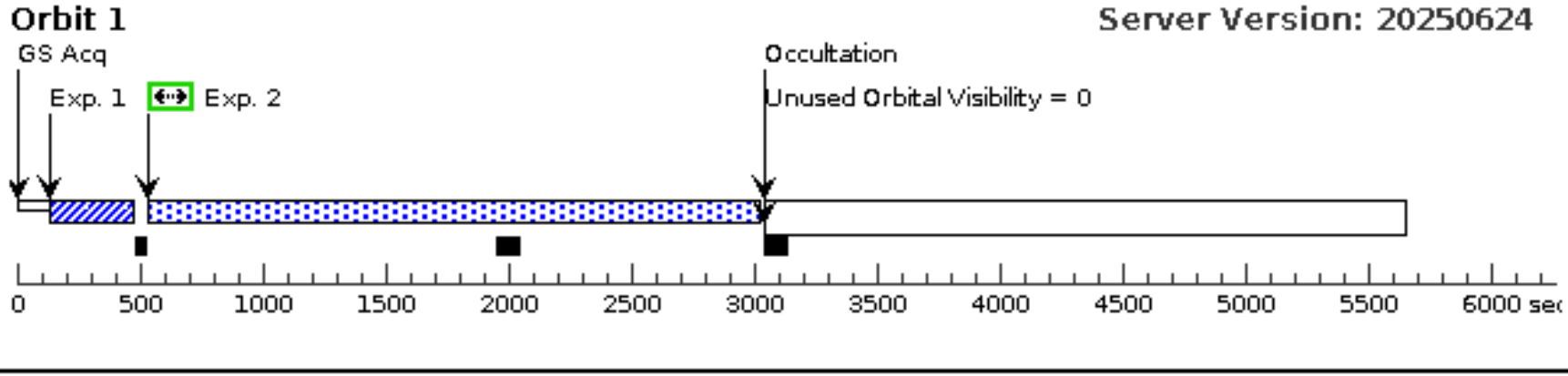
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	J2339-5523 Alt Name1: HE2336-5540	RA: 23 39 13.2183 (354.8050762d) Dec: -55 23 50.84 (-55.39746d) Equinox: J2000	Proper Motion RA: 0.0 Proper Motion Dec: 0.0 Redshift: 1.3531	V=15.19 NUV=16.1 (Cycle 31 STIS-based) or 16.40 (GALEX AIS)	Reference Frame: ICRS

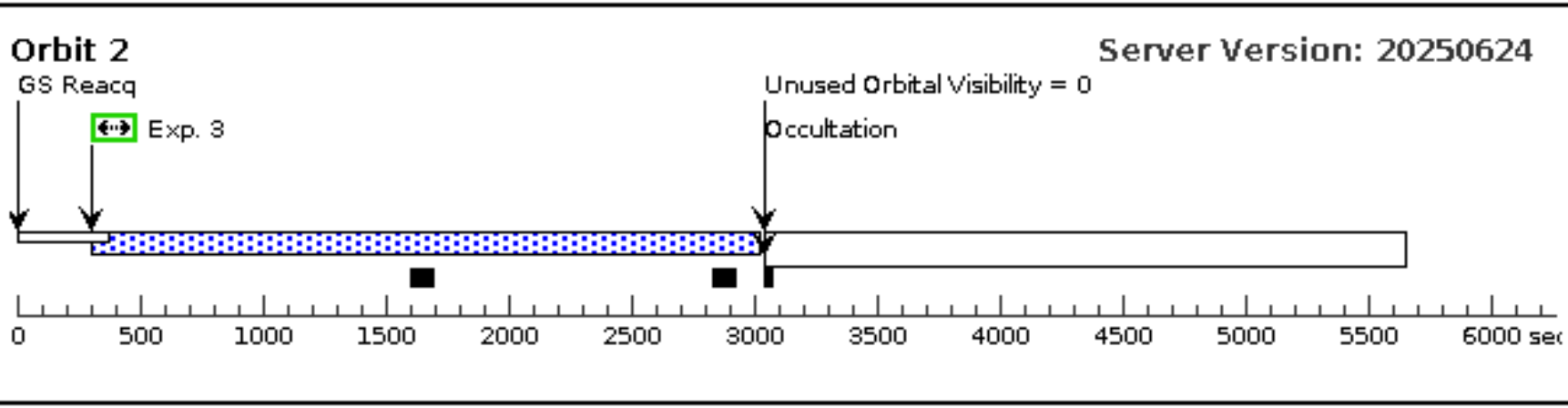
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

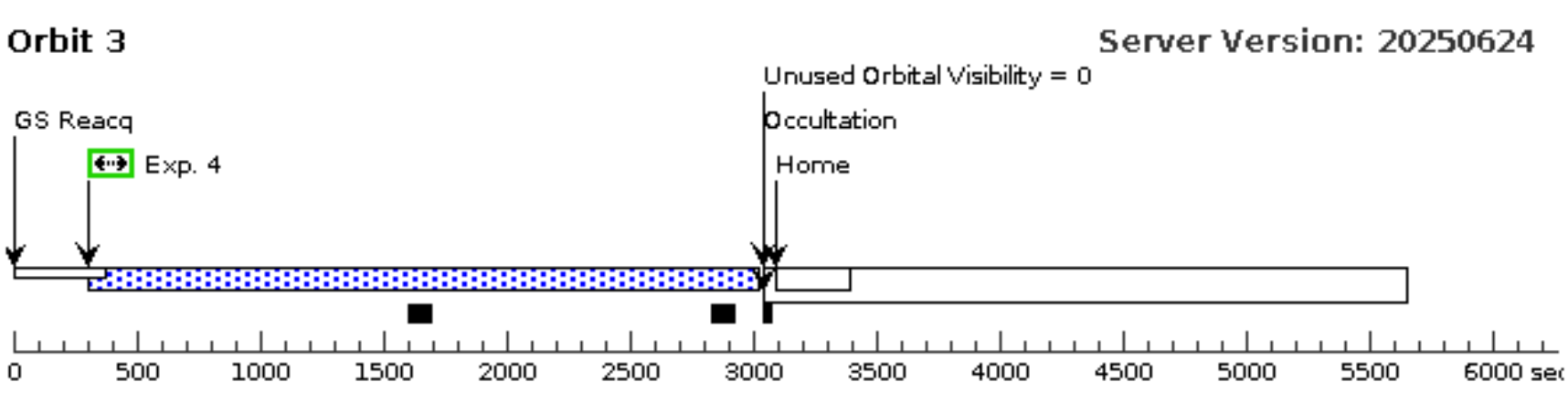
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145922)	(1) J2339-5523	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				15 Secs (15 Secs)	
								[==>]	***[1]***
2	(COS.sp.2024614)	(1) J2339-5523	COS/NUV, TIME-TAG, PSA	G185M 1890 A	FP-POS=3; BUFFER-TIME=1229			2000 Secs (2296 Secs)	
								[==>2296.0 Secs]	***[1]***
3	(COS.sp.2024616)	(1) J2339-5523	COS/NUV, TIME-TAG, PSA	G185M 1921 A	FP-POS=3; BUFFER-TIME=1228			2000 Secs (2637 Secs)	
								[==>2637.0 Secs]	***[2]***
4	(COS.sp.2024617)	(1) J2339-5523	COS/NUV, TIME-TAG, PSA	G185M 1953 A	FP-POS=3; BUFFER-TIME=1228			2000 Secs (2637 Secs)	
								[==>2637.0 Secs]	***[3]***

Orbit Structure







Visit

Proposal 18107, Visit 03, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Four orbit visit for J0154-0712. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1864, 1890, 1921, & 1953. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

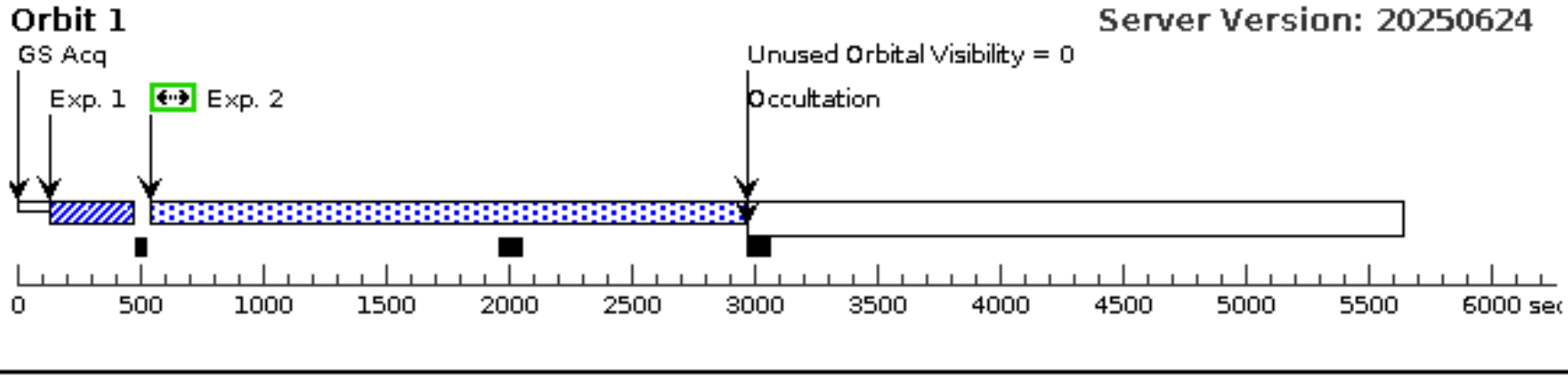
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	J0154-0712 Alt Name1: UVQSJ015454.68-071222.2	RA: 01 54 54.6823 (28.7278429d) Dec: -07 12 22.17 (-7.20616d) Equinox: J2000	Redshift: 1.2957	V=15.73 NUV=16.33 (Cycle 31 STIS-based) or 16.5 (GALEX AIS)	Reference Frame: ICRS

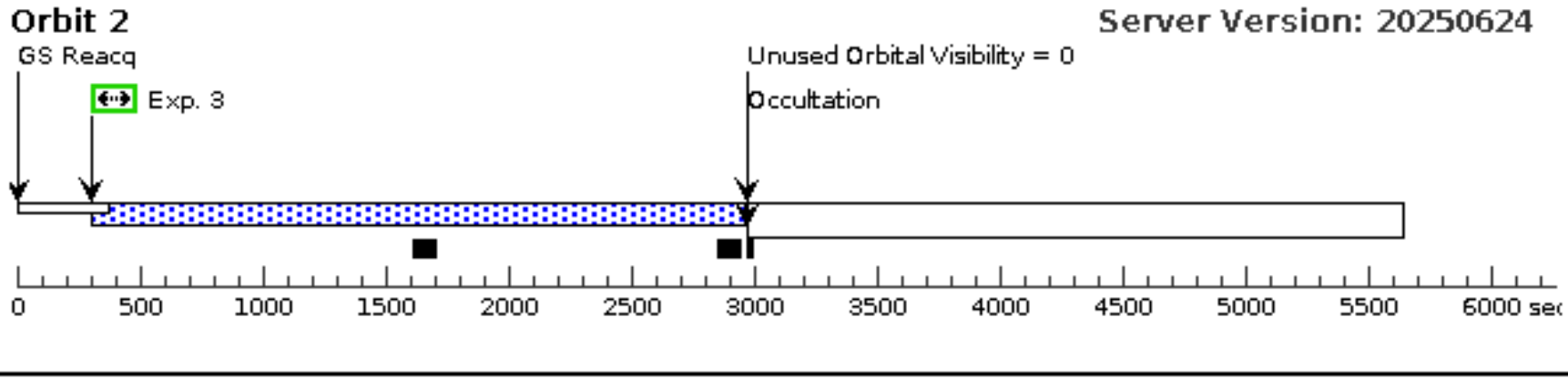
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

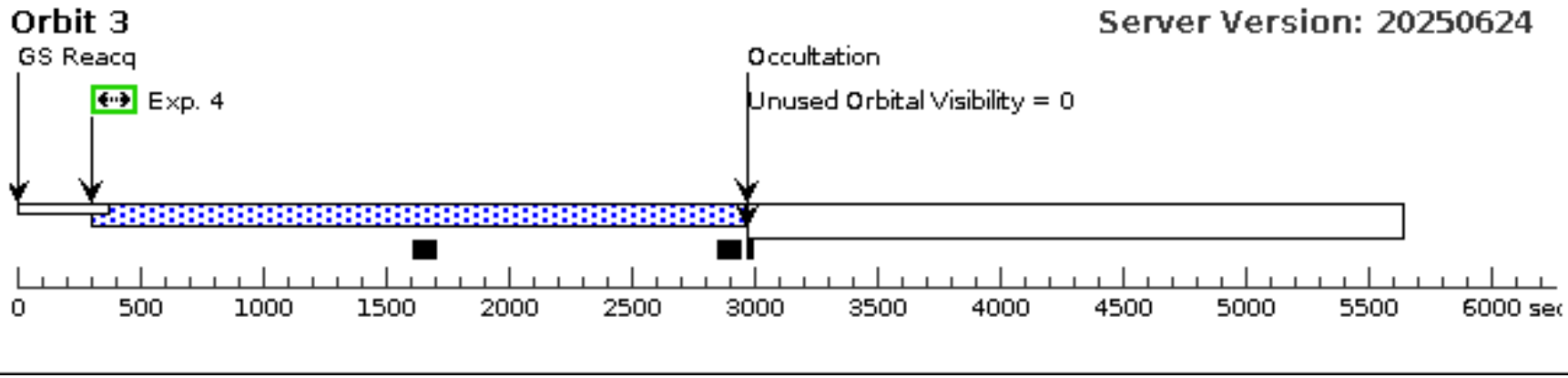
Exposures

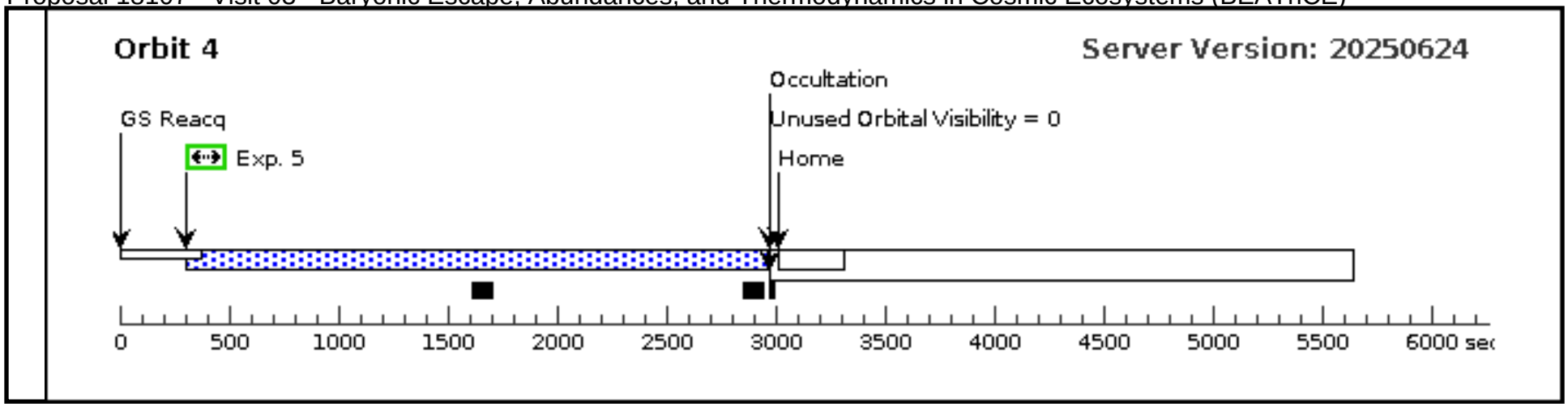
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145925)	(2) J0154-0712	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				16 Secs (16 Secs) *[==>]*	***[1]***
2	(COS.sp.2024620)	(2) J0154-0712	COS/NUV, TIME-TAG, PSA	G185M 1864 A	FP-POS=3; BUFFER-TIME=1238			2000 Secs (2227 Secs) *[==>2227.0 Secs]*	***[1]***
3	(COS.sp.2024622)	(2) J0154-0712	COS/NUV, TIME-TAG, PSA	G185M 1890 A	FP-POS=3; BUFFER-TIME=1237			2000 Secs (2570 Secs) *[==>2570.0 Secs]*	***[2]***
4	(COS.sp.2024623)	(2) J0154-0712	COS/NUV, TIME-TAG, PSA	G185M 1921 A	FP-POS=3; BUFFER-TIME=1237			2000 Secs (2570 Secs) *[==>2570.0 Secs]*	***[3]***
5	(COS.sp.2024624)	(2) J0154-0712	COS/NUV, TIME-TAG, PSA	G185M 1953 A	FP-POS=3; BUFFER-TIME=1237			2000 Secs (2570 Secs) *[==>2570.0 Secs]*	***[4]***

Orbit Structure





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Visit

Proposal 18107, Visit 04, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Four orbit visit for J0154-0712. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1850, 1882, 1913, and 1941. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

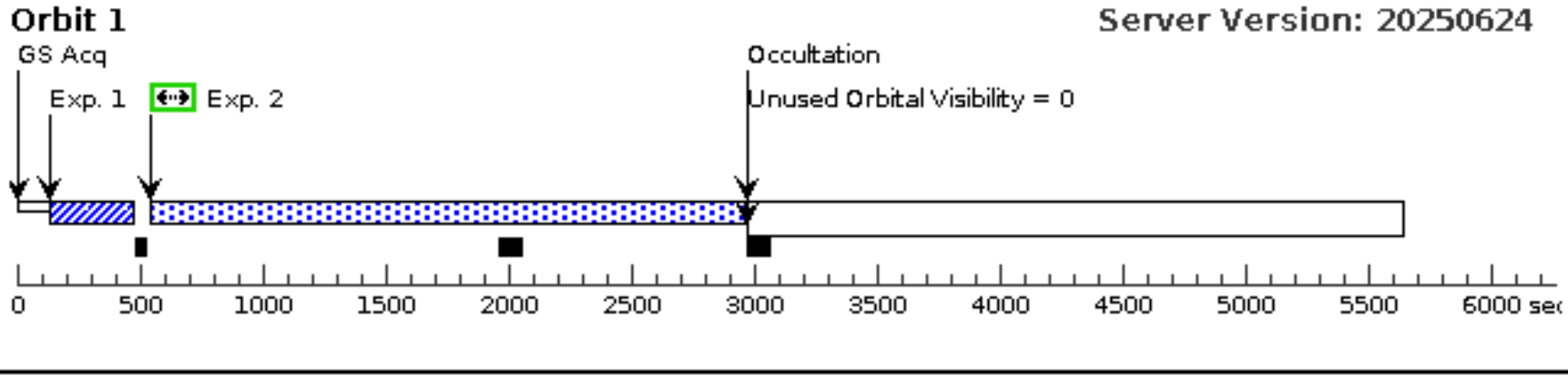
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	J0154-0712 Alt Name1: UVQSJ015454.68-071222.2	RA: 01 54 54.6823 (28.7278429d) Dec: -07 12 22.17 (-7.20616d) Equinox: J2000	Redshift: 1.2957	V=15.73 NUV=16.33 (Cycle 31 STIS-based) or 16.5 (GALEX AIS)	Reference Frame: ICRS

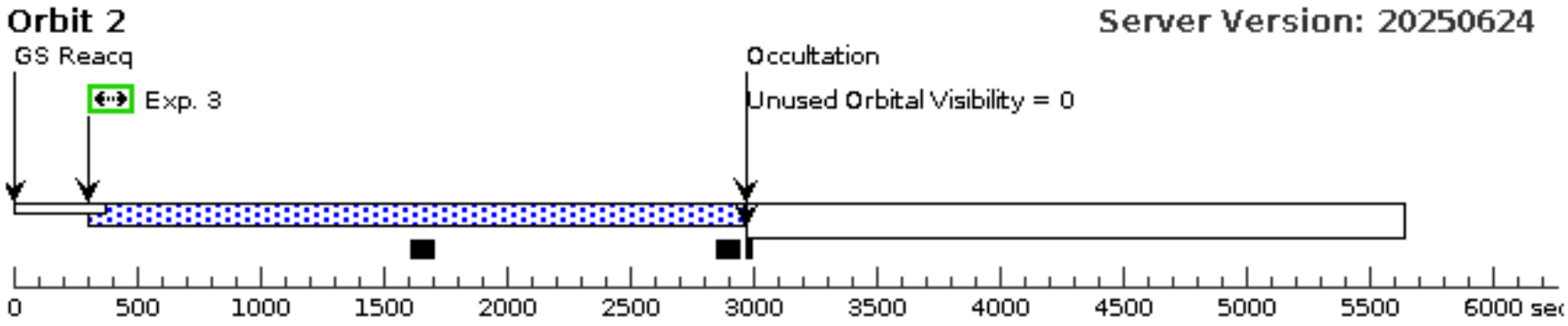
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

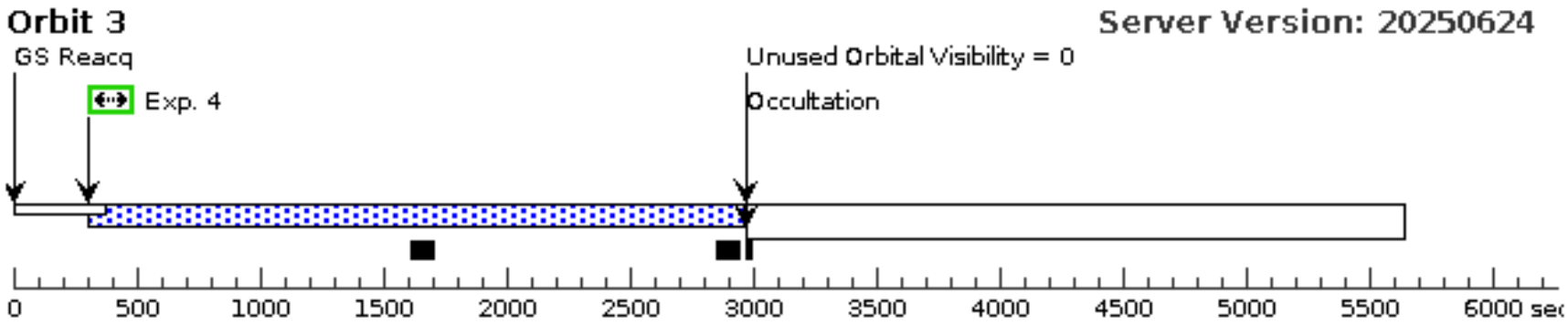
Exposures

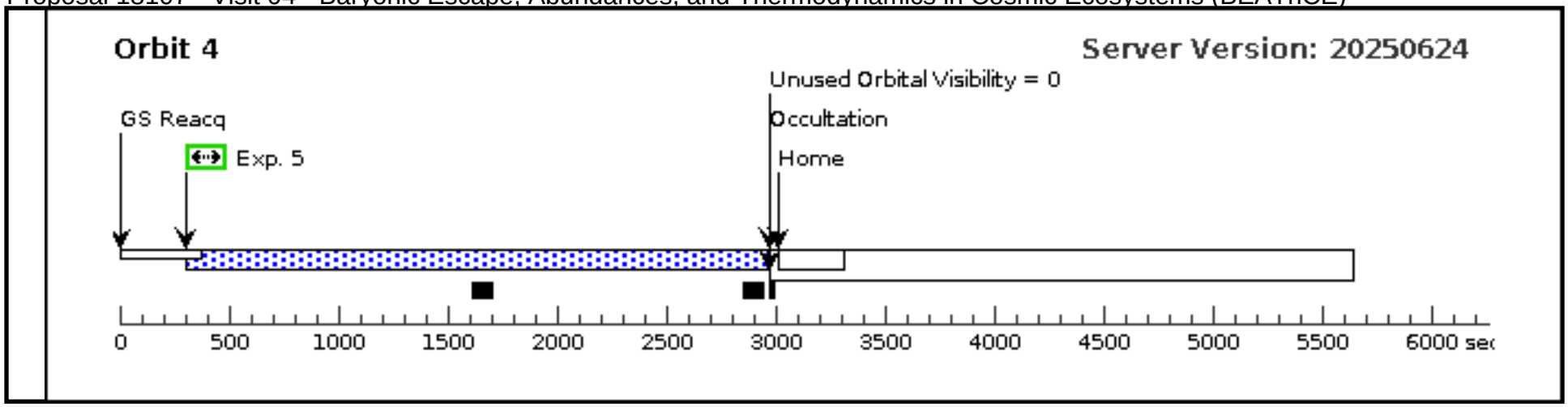
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145925)	(2) J0154-0712	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				16 Secs (16 Secs) *[==>]*	*[1]*
2	(COS.sp.2024626)	(2) J0154-0712	COS/NUV, TIME-TAG, PSA	G185M 1850 A	FP-POS=3; BUFFER-TIME=1238			2000 Secs (2227 Secs) *[==>2227.0 Secs]*	*[1]*
3	(COS.sp.2024628)	(2) J0154-0712	COS/NUV, TIME-TAG, PSA	G185M 1882 A	FP-POS=3; BUFFER-TIME=1237			2000 Secs (2570 Secs) *[==>2570.0 Secs]*	*[2]*
4	(COS.sp.2024629)	(2) J0154-0712	COS/NUV, TIME-TAG, PSA	G185M 1913 A	FP-POS=3; BUFFER-TIME=1237			2000 Secs (2570 Secs) *[==>2570.0 Secs]*	*[3]*
5	(COS.sp.2024630)	(2) J0154-0712	COS/NUV, TIME-TAG, PSA	G185M 1941 A	FP-POS=3; BUFFER-TIME=1237			2000 Secs (2570 Secs) *[==>2570.0 Secs]*	*[4]*

Orbit Structure





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GS Reacq
Occultation
Exp. 5
Home
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1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18107, Visit 05, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Four orbit visit for J0111-0316. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1864, 1890, 1921, & 1953. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

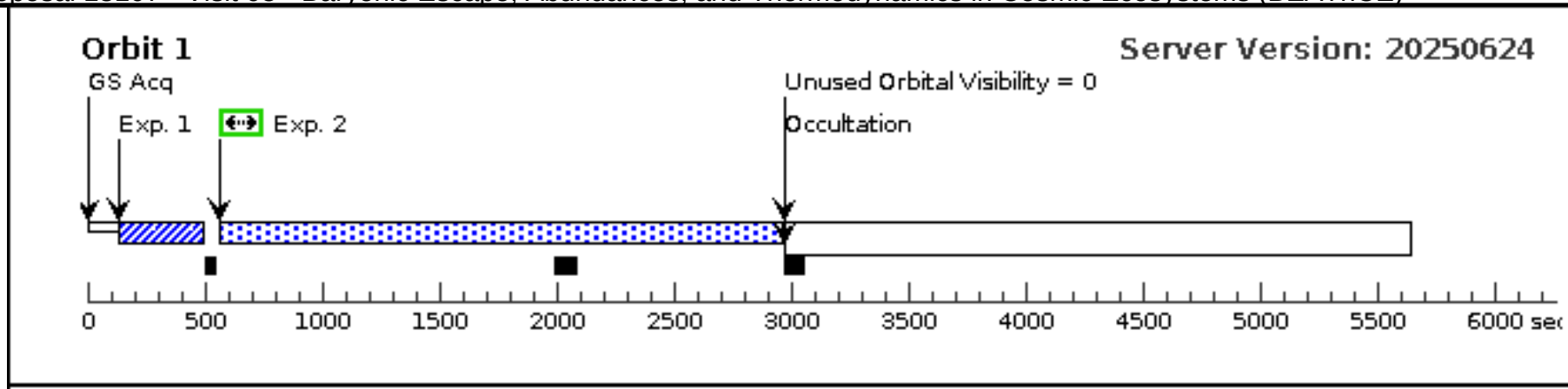
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	J0111-0316 Alt Name1: UVQSJ011139.17-031610.9	RA: 01 11 39.1709 (17.9132121d) Dec: -03 16 10.89 (-3.26969d) Equinox: J2000	Redshift: 1.2378	V=15.58 NUV=16.47 (Cycle 31 STIS-based) or 17.1 (GALEX AIS based)	Reference Frame: ICRS

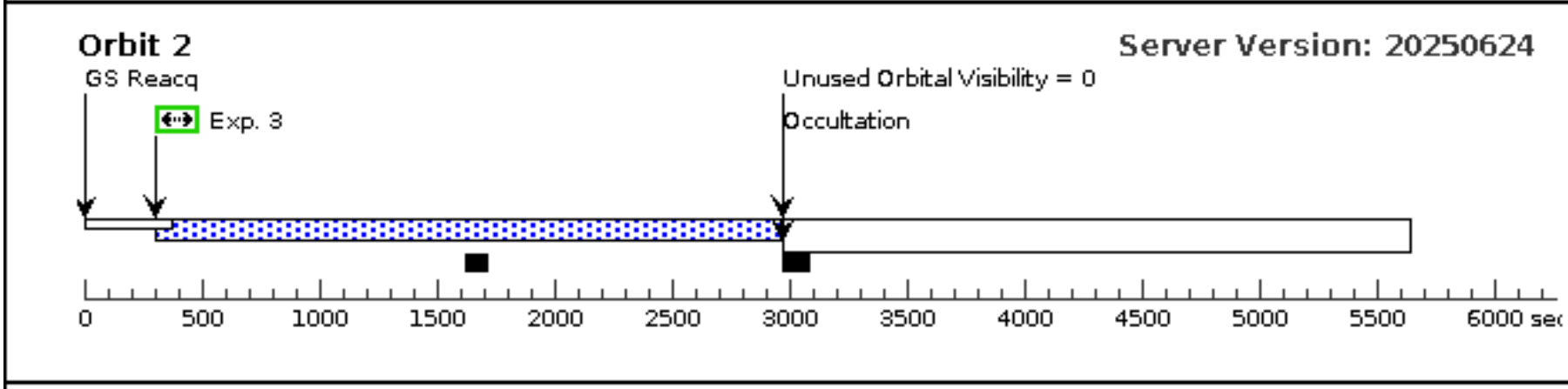
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

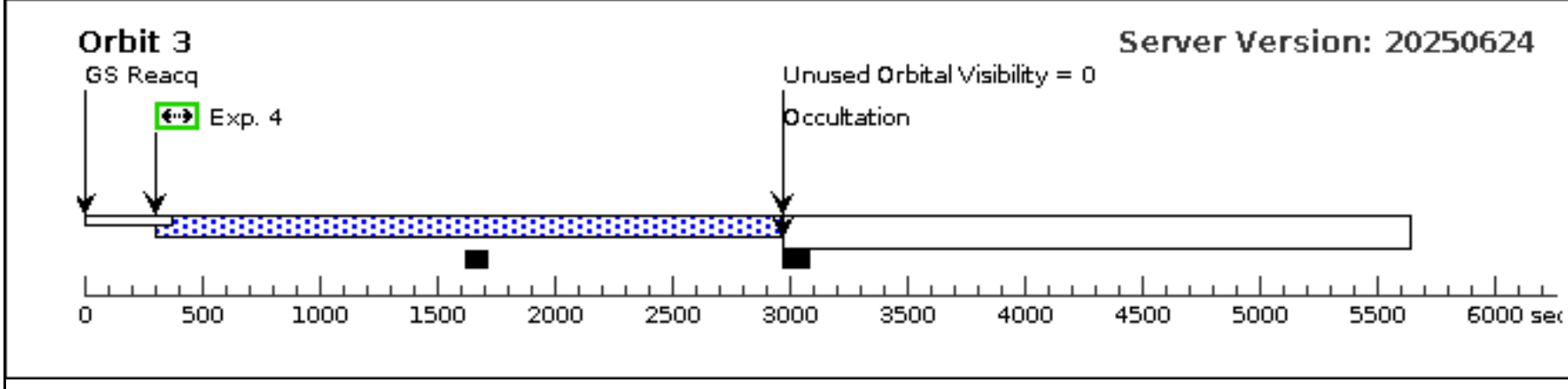
Exposures

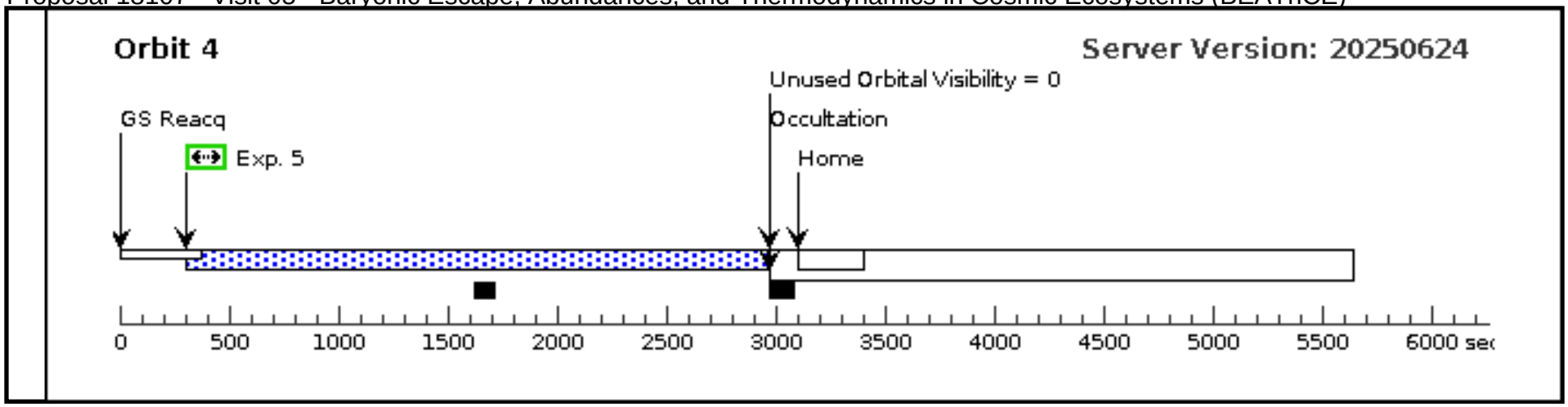
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145930)	(3) J0111-0316	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				28 Secs (28 Secs) *[==>]*	*[1]*
2	(COS.sp.2024636)	(3) J0111-0316	COS/NUV, TIME-TAG, PSA	G185M 1864 A	FP-POS=3; BUFFER-TIME=1244			2000 Secs (2205 Secs) *[==>2205.0 Secs]*	*[1]*
3	(COS.sp.2024637)	(3) J0111-0316	COS/NUV, TIME-TAG, PSA	G185M 1890 A	FP-POS=3; BUFFER-TIME=1244			2000 Secs (2572 Secs) *[==>2572.0 Secs]*	*[2]*
4	(COS.sp.2024638)	(3) J0111-0316	COS/NUV, TIME-TAG, PSA	G185M 1921 A	FP-POS=3; BUFFER-TIME=1244			2000 Secs (2572 Secs) *[==>2572.0 Secs]*	*[3]*
5	(COS.sp.2024639)	(3) J0111-0316	COS/NUV, TIME-TAG, PSA	G185M 1953 A	FP-POS=3; BUFFER-TIME=1244			2000 Secs (2572 Secs) *[==>2572.0 Secs]*	*[4]*

Orbit Structure








Orbit 4
Server Version: 20250624
Unused Orbital Visibility = 0
GS Reacq
Occultation
Exp. 5
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18107, Visit 06, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Four orbit visit for J0111-0316. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1850, 1882, 1913, and 1941. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

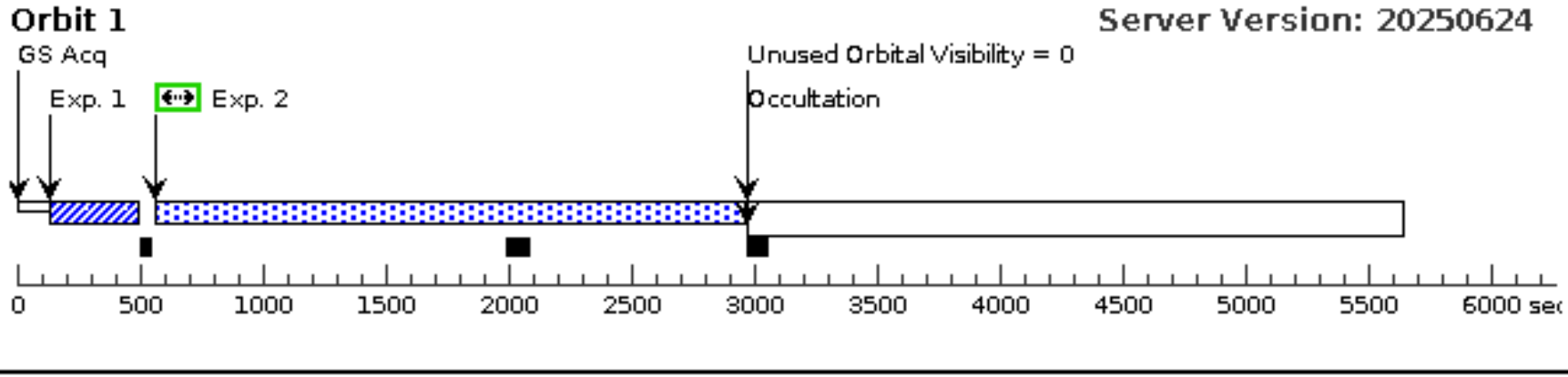
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	J0111-0316 Alt Name1: UVQSJ011139.17-031610.9	RA: 01 11 39.1709 (17.9132121d) Dec: -03 16 10.89 (-3.26969d) Equinox: J2000	Redshift: 1.2378	V=15.58 NUV=16.47 (Cycle 31 STIS-based) or 17.1 (GALEX AIS based)	Reference Frame: ICRS

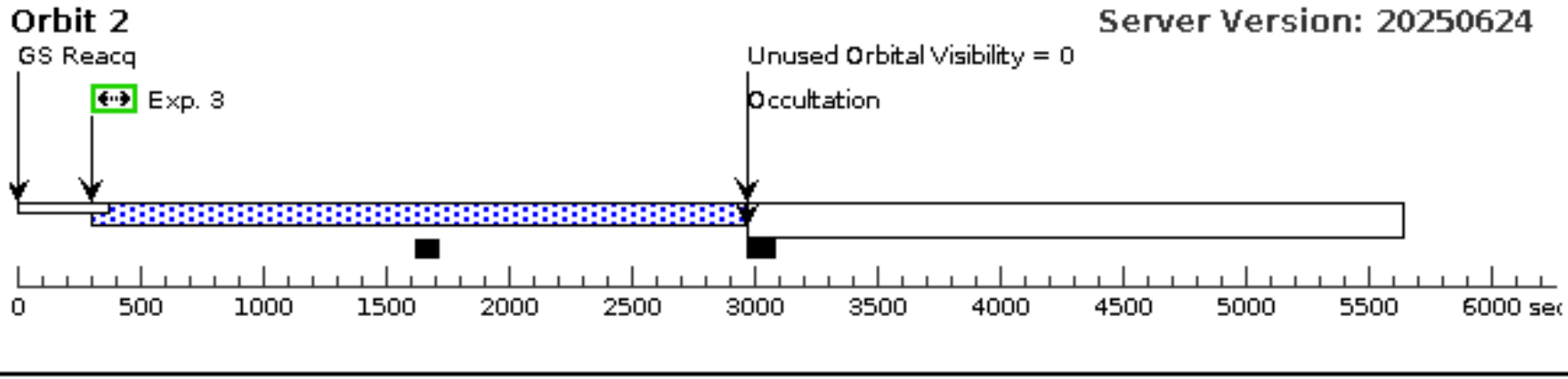
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

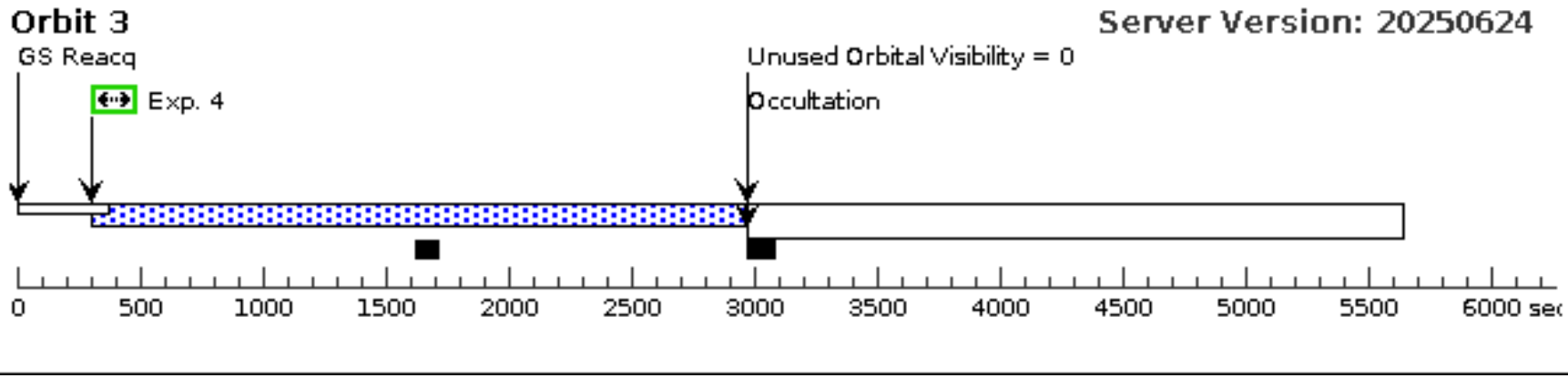
Exposures

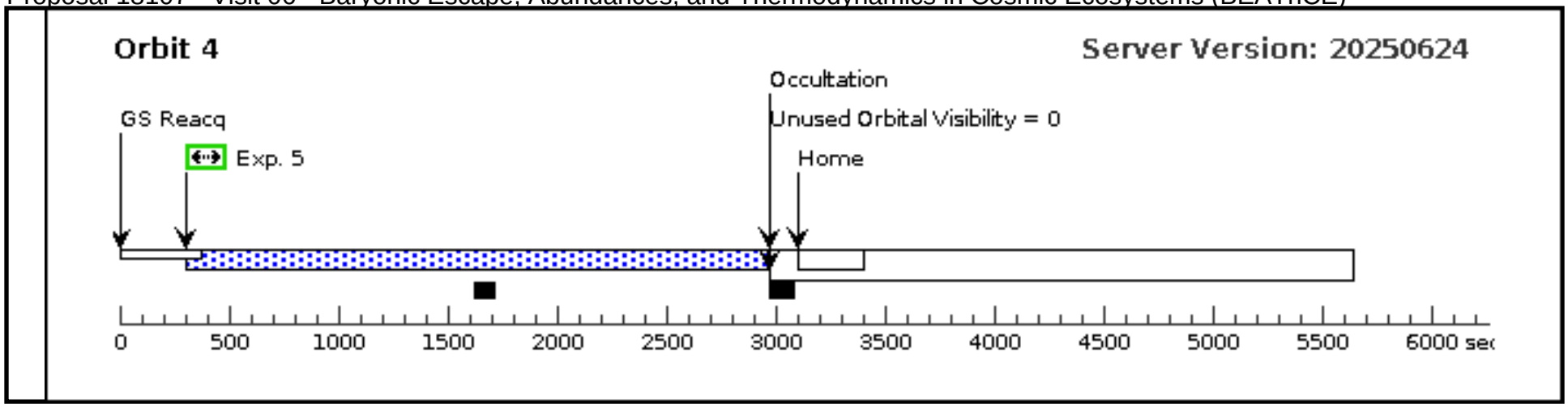
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145930)	(3) J0111-0316	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				28 Secs (28 Secs) *[==>]*	***[1]***
2	(COS.sp.2024641)	(3) J0111-0316	COS/NUV, TIME-TAG, PSA	G185M 1850 A	FP-POS=3; BUFFER-TIME=1244			2000 Secs (2205 Secs) *[==>2205.0 Secs]*	***[1]***
3	(COS.sp.2024642)	(3) J0111-0316	COS/NUV, TIME-TAG, PSA	G185M 1882 A	FP-POS=3; BUFFER-TIME=1244			2000 Secs (2572 Secs) *[==>2572.0 Secs]*	***[2]***
4	(COS.sp.2024643)	(3) J0111-0316	COS/NUV, TIME-TAG, PSA	G185M 1913 A	FP-POS=3; BUFFER-TIME=1244			2000 Secs (2572 Secs) *[==>2572.0 Secs]*	***[3]***
5	(COS.sp.2024644)	(3) J0111-0316	COS/NUV, TIME-TAG, PSA	G185M 1941 A	FP-POS=3; BUFFER-TIME=1244			2000 Secs (2572 Secs) *[==>2572.0 Secs]*	***[4]***

Orbit Structure








Orbit 4
Server Version: 20250624
Occultation
GS Reacq
Unused Orbital Visibility = 0
Exp. 5
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18107, Visit 07, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Four orbit visit for J0333-4102. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1850, 1882, and 1913 and half an orbit each in 1864 and 1941. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

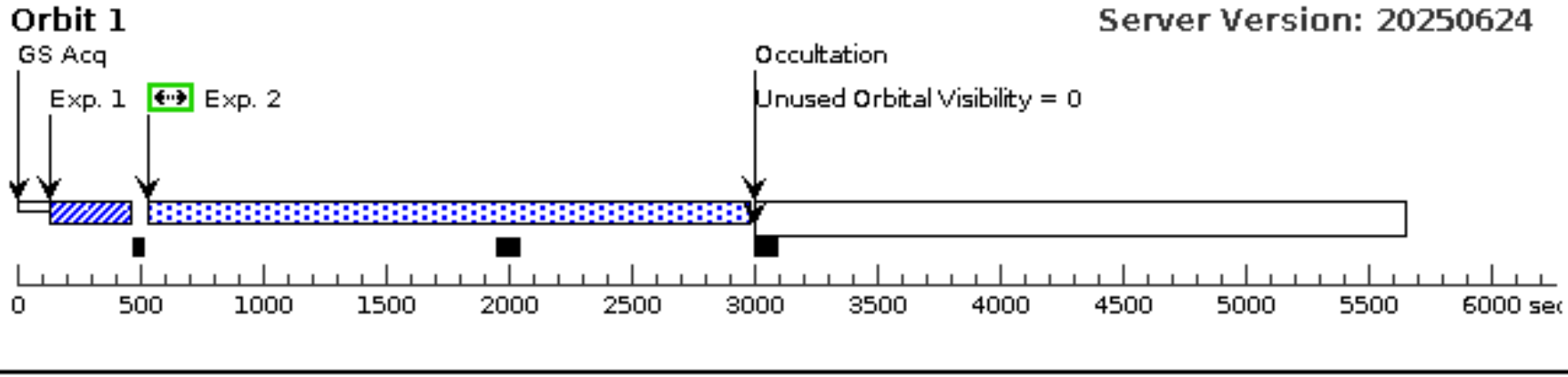
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	J0333-4102 Alt Name1: HE0331-4112	RA: 03 33 7.0756 (53.2794817d) Dec: -41 02 1.15 (-41.03365d) Equinox: J2000	Redshift: 1.1153	V=15.59 NUV=16.21 (Cycle 31 STIS-based) or 16.3 (GALEX AIS)	Reference Frame: ICRS

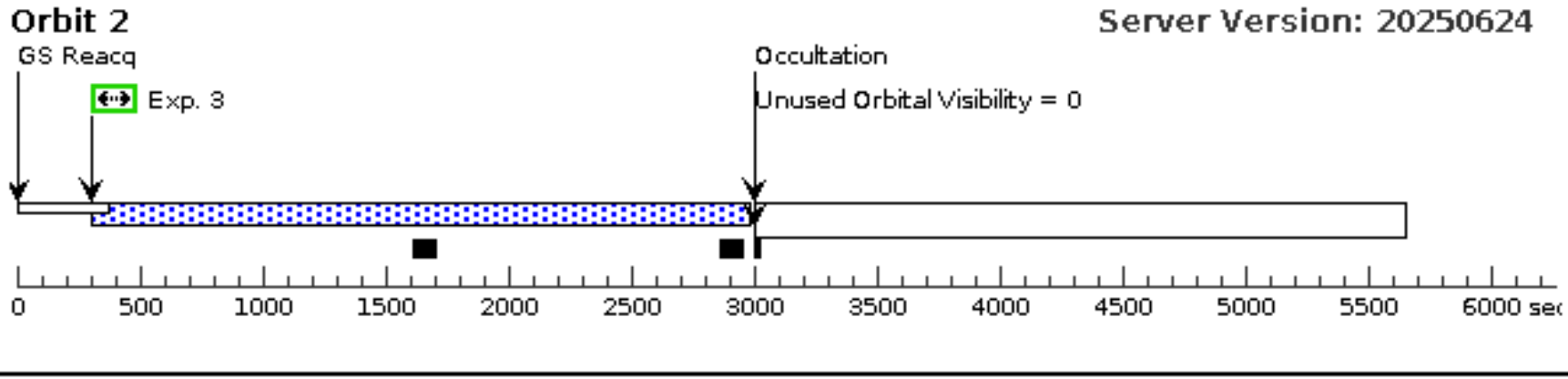
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

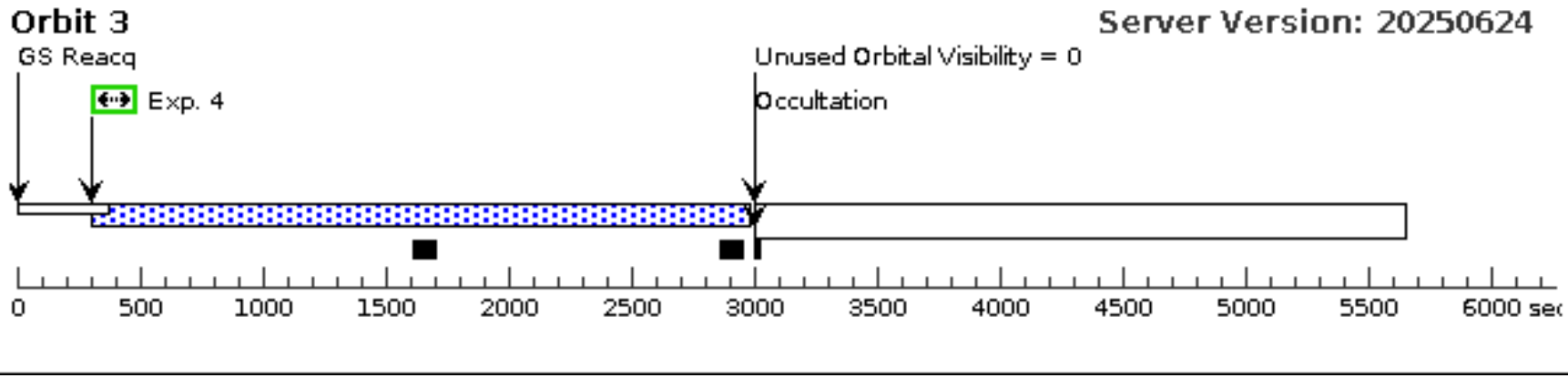
Exposures

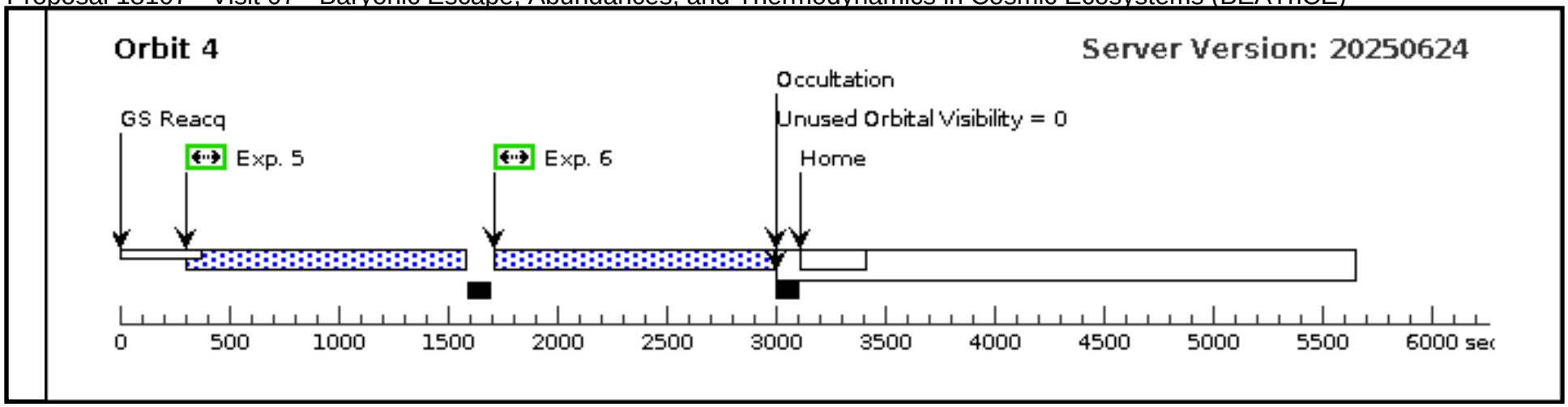
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145932)	(4) J0333-4102	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				13 Secs (13 Secs) *[==>]*	***[1]***
2	(COS.sp.2024657)	(4) J0333-4102	COS/NUV, TIME-TAG, PSA	G185M 1850 A	FP-POS=3; BUFFER-TIME=1240			1200 Secs (2257 Secs) *[==>2257.0 Secs]*	***[1]***
3	(COS.sp.2024658)	(4) J0333-4102	COS/NUV, TIME-TAG, PSA	G185M 1882 A	FP-POS=3; BUFFER-TIME=1239			1200 Secs (2594 Secs) *[==>2594.0 Secs]*	***[2]***
4	(COS.sp.2024659)	(4) J0333-4102	COS/NUV, TIME-TAG, PSA	G185M 1913 A	FP-POS=3; BUFFER-TIME=1239			1200 Secs (2594 Secs) *[==>2594.0 Secs]*	***[3]***
5	(COS.sp.2024666)	(4) J0333-4102	COS/NUV, TIME-TAG, PSA	G185M 1864 A	FP-POS=3; BUFFER-TIME=1239			1000 Secs (1189 Secs) *[==>1189.0 Secs]*	***[4]***
6	(COS.sp.2024667)	(4) J0333-4102	COS/NUV, TIME-TAG, PSA	G185M 1941 A	FP-POS=3; BUFFER-TIME=1239			1000 Secs (1189 Secs) *[==>1189.0 Secs]*	***[4]***

Orbit Structure








Orbit 4
Server Version: 20250624
Occultation
GS Reacq
Unused Orbital Visibility = 0
Exp. 5
Exp. 6
Home
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1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18107, Visit 08, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Three orbit visit for J0333-4102. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1890, 1921, and 1953. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

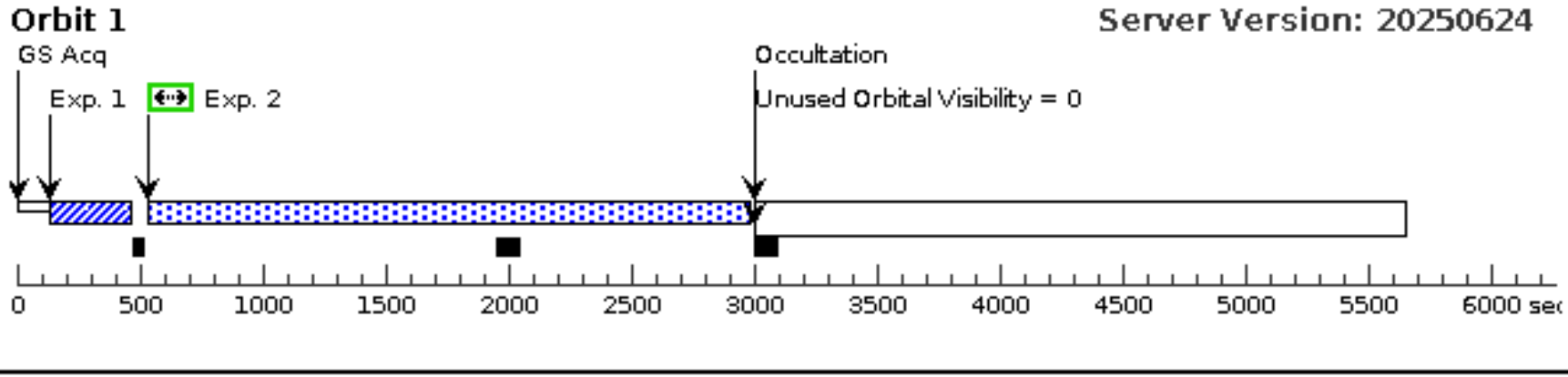
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	J0333-4102 Alt Name1: HE0331-4112	RA: 03 33 7.0756 (53.2794817d) Dec: -41 02 1.15 (-41.03365d) Equinox: J2000	Redshift: 1.1153	V=15.59 NUV=16.21 (Cycle 31 STIS-based) or 16.3 (GALEX AIS)	Reference Frame: ICRS

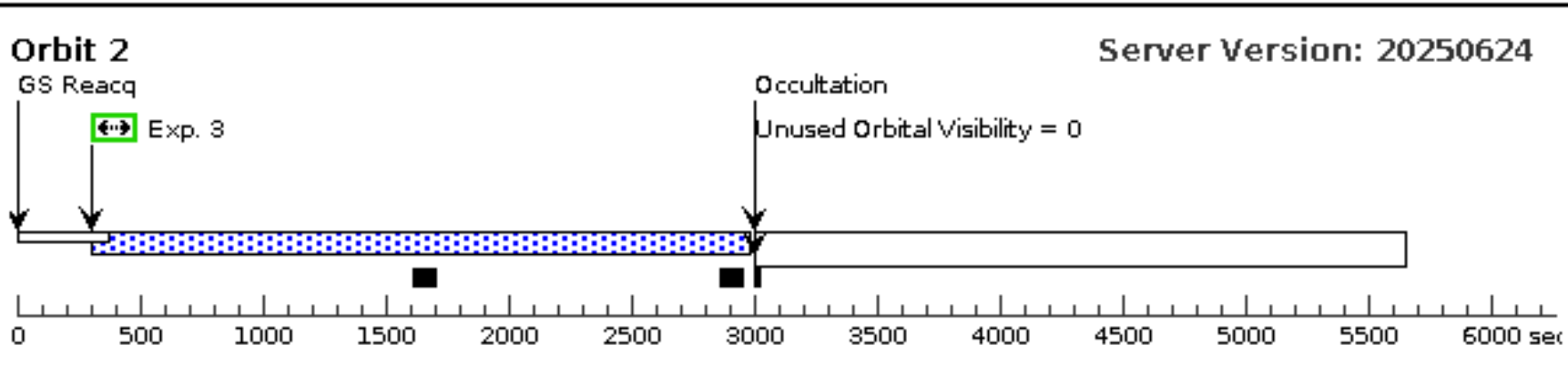
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

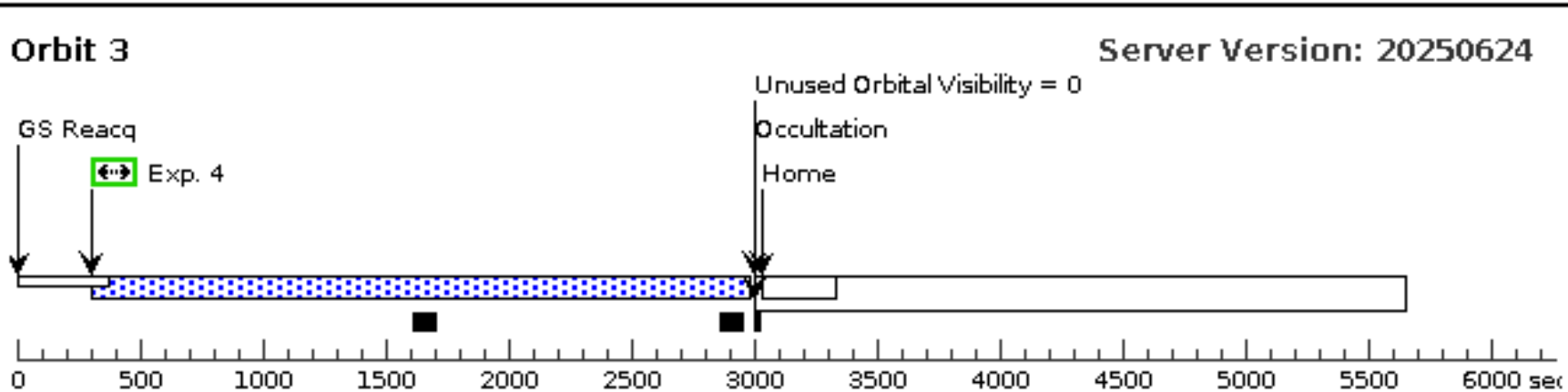
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145932)	(4) J0333-4102	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				13 Secs (13 Secs)	
								[==>]	***[1]***
2	(COS.sp.2024669)	(4) J0333-4102	COS/NUV, TIME-TAG, PSA	G185M 1890 A	FP-POS=3; BUFFER-TIME=1239			1200 Secs (2257 Secs)	
								[==>2257.0 Secs]	***[1]***
3	(COS.sp.2024670)	(4) J0333-4102	COS/NUV, TIME-TAG, PSA	G185M 1921 A	FP-POS=3; BUFFER-TIME=1239			1200 Secs (2594 Secs)	
								[==>2594.0 Secs]	***[2]***
4	(COS.sp.2024671)	(4) J0333-4102	COS/NUV, TIME-TAG, PSA	G185M 1953 A	FP-POS=3; BUFFER-TIME=1239			1200 Secs (2594 Secs)	
								[==>2594.0 Secs]	***[3]***

Orbit Structure







Visit

Proposal 18107, Visit 09, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Three orbit visit for J2308-5258. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1890, 1921, and 1953. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

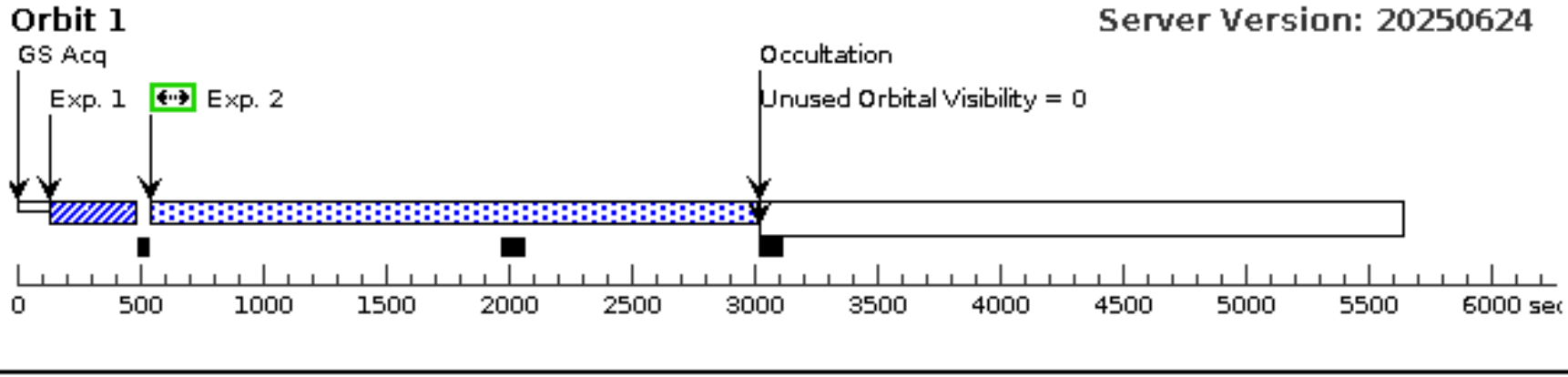
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	J2308-5258 Alt Name1: HE2305-5315	RA: 23 08 37.7961 (347.1574837d) Dec: -52 58 48.94 (-52.98026d) Equinox: J2000	Redshift: 1.0733	V=16.20 NUV=16.7 (Cycle 31 STIS-based) or 16.7 (GALEX AIS)	Reference Frame: ICRS

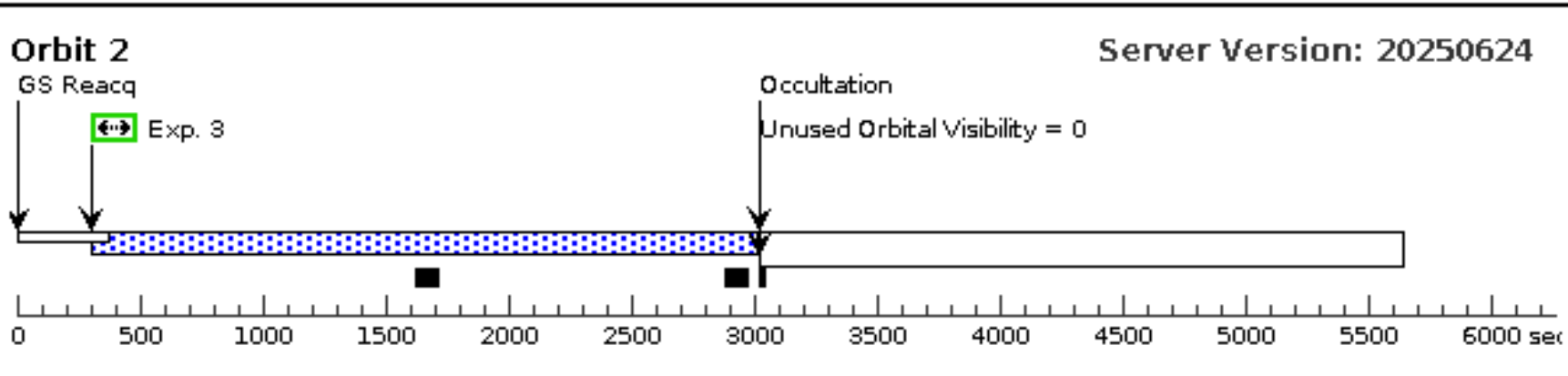
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

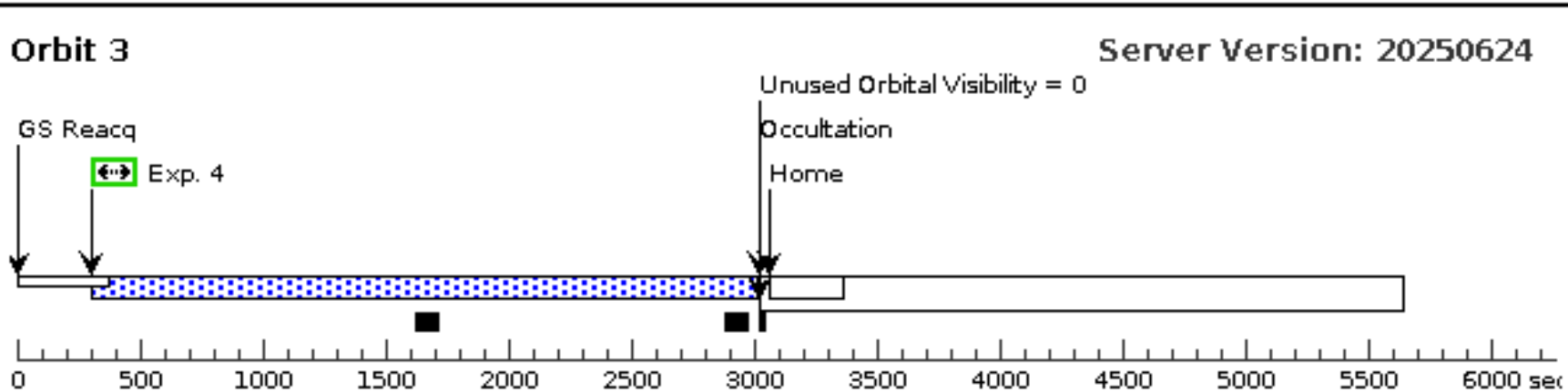
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145933)	(5) J2308-5258	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				19 Secs (19 Secs)	
								[==>]	***[1]***
2	(COS.sp.2024684)	(5) J2308-5258	COS/NUV, TIME-TAG, PSA	G185M 1890 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2270 Secs)	
								[==>2270.0 Secs]	***[1]***
3	(COS.sp.2024688)	(5) J2308-5258	COS/NUV, TIME-TAG, PSA	G185M 1921 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2619 Secs)	
								[==>2619.0 Secs]	***[2]***
4	(COS.sp.2024687)	(5) J2308-5258	COS/NUV, TIME-TAG, PSA	G185M 1953 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2619 Secs)	
								[==>2619.0 Secs]	***[3]***

Orbit Structure







Visit

Proposal 18107, Visit 10, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Three orbit visit for J2308-5258. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1850, 1882, and 1913. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

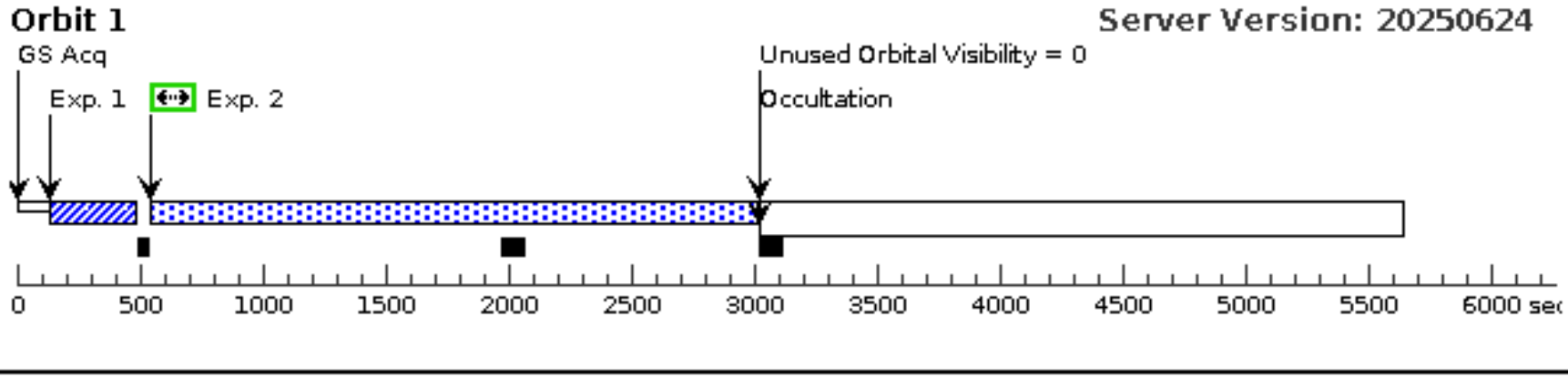
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	J2308-5258 Alt Name1: HE2305-5315	RA: 23 08 37.7961 (347.1574837d) Dec: -52 58 48.94 (-52.98026d) Equinox: J2000	Redshift: 1.0733	V=16.20 NUV=16.7 (Cycle 31 STIS-based) or 16.7 (GALEX AIS)	Reference Frame: ICRS

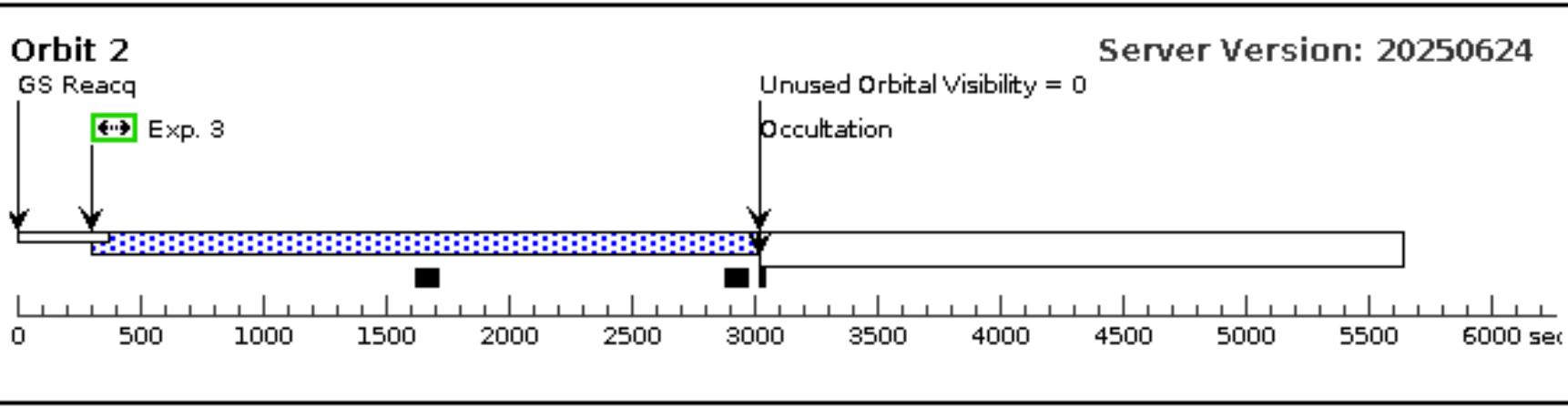
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

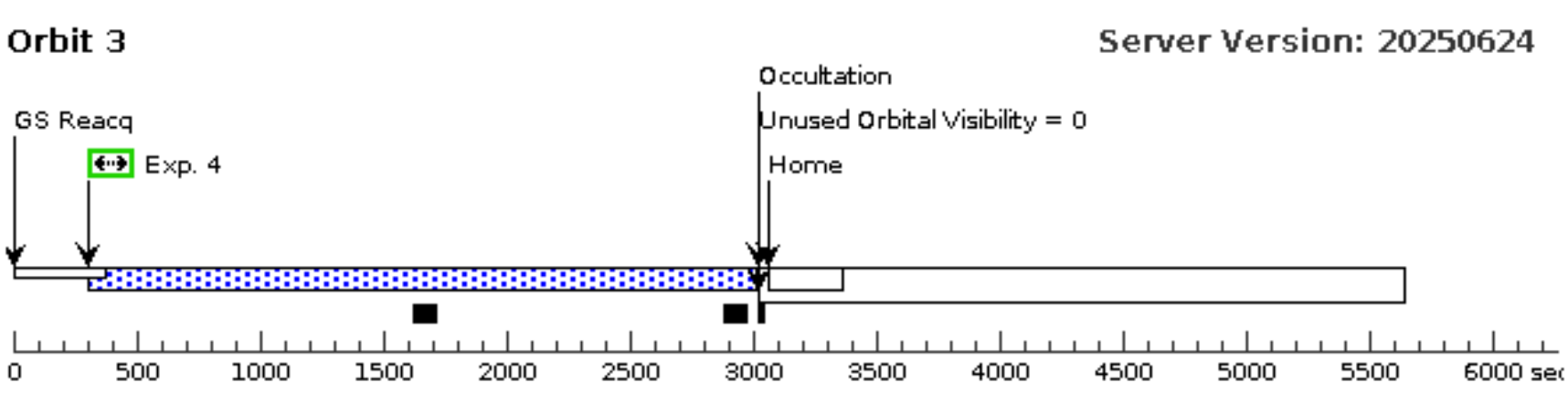
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145933)	(5) J2308-5258	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				19 Secs (19 Secs) *[==>]*	 ***[1]***
2	(COS.sp.2024693)	(5) J2308-5258	COS/NUV, TIME-TAG, PSA	G185M 1850 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2270 Secs) *[==>2270.0 Secs]*	 ***[1]***
3	(COS.sp.2024695)	(5) J2308-5258	COS/NUV, TIME-TAG, PSA	G185M 1882 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2619 Secs) *[==>2619.0 Secs]*	 ***[2]***
4	(COS.sp.2024696)	(5) J2308-5258	COS/NUV, TIME-TAG, PSA	G185M 1913 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2619 Secs) *[==>2619.0 Secs]*	 ***[3]***

Orbit Structure







Visit

Proposal 18107, Visit 11, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Four orbit visit for J2308-5258. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1850, 1882, 1913, & 1941. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

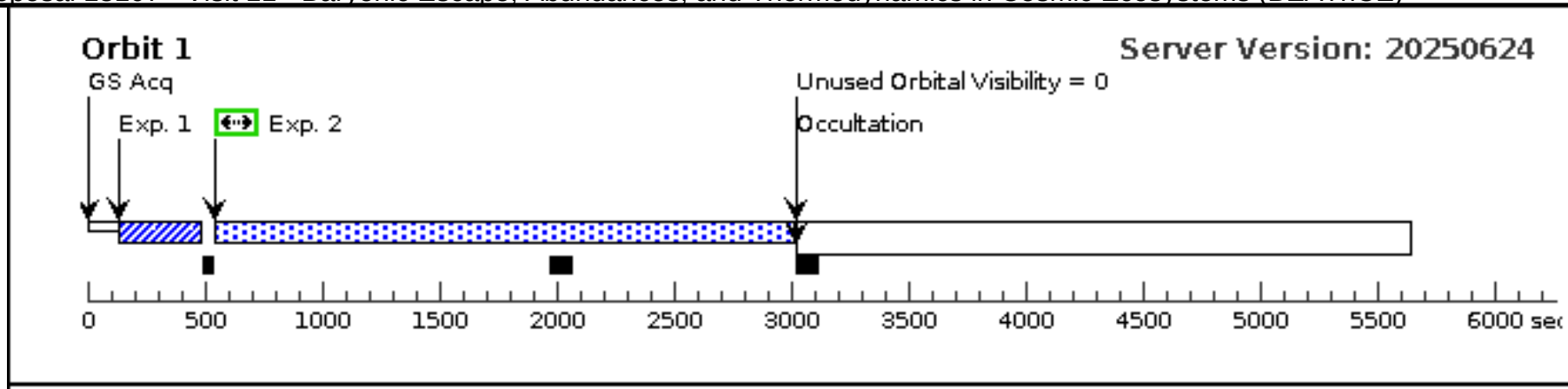
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	J2308-5258 Alt Name1: HE2305-5315	RA: 23 08 37.7961 (347.1574837d) Dec: -52 58 48.94 (-52.98026d) Equinox: J2000	Redshift: 1.0733	V=16.20 NUV=16.7 (Cycle 31 STIS-based) or 16.7 (GALEX AIS)	Reference Frame: ICRS

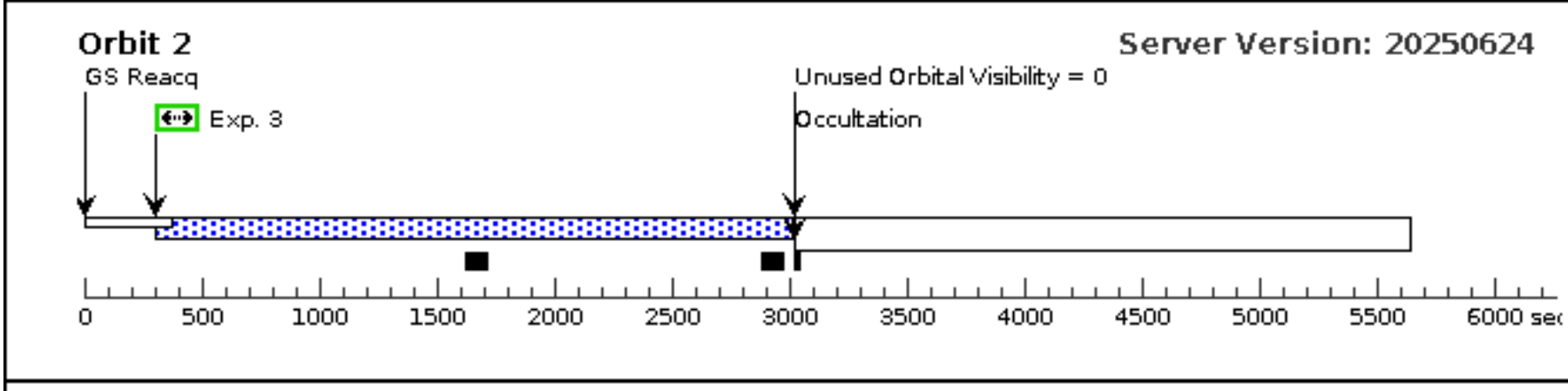
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

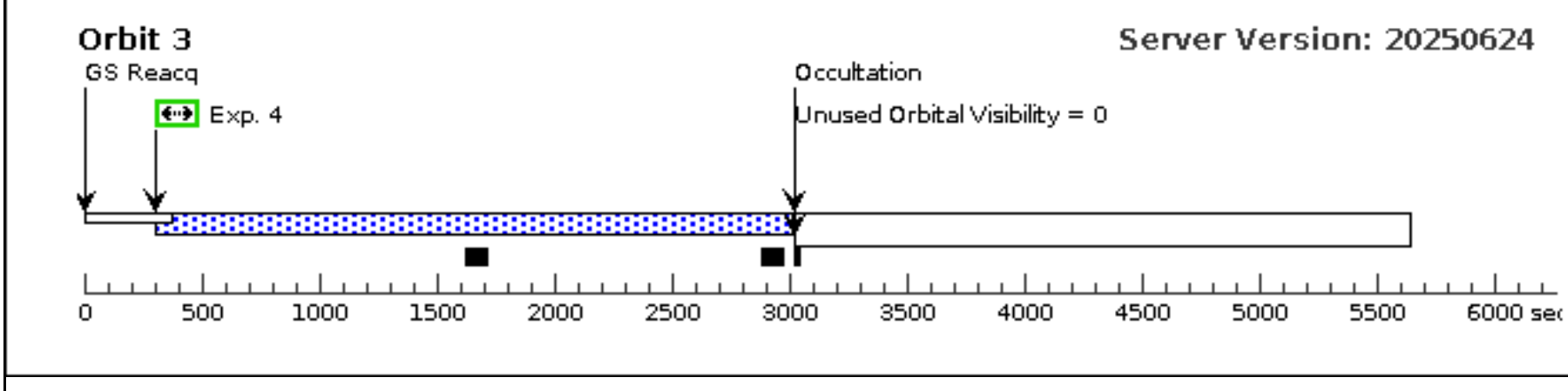
Exposures

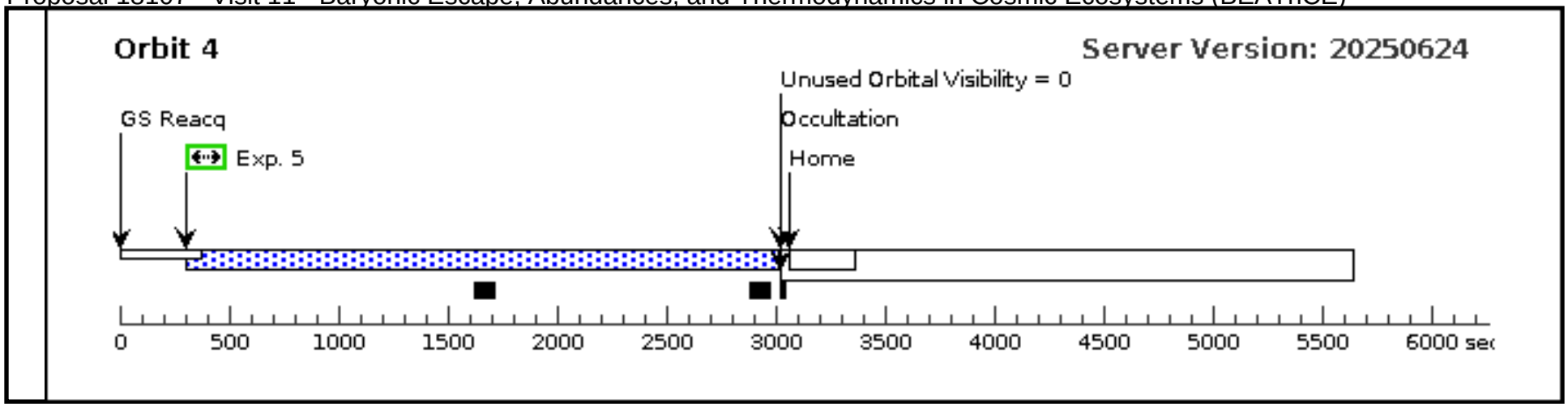
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145934)	(5) J2308-5258	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				19 Secs (19 Secs) *[==>]*	***[1]***
2	(COS.sp.2024693)	(5) J2308-5258	COS/NUV, TIME-TAG, PSA	G185M 1850 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2270 Secs) *[==>2270.0 Secs]*	***[1]***
3	(COS.sp.2024695)	(5) J2308-5258	COS/NUV, TIME-TAG, PSA	G185M 1882 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2619 Secs) *[==>2619.0 Secs]*	***[2]***
4	(COS.sp.2024696)	(5) J2308-5258	COS/NUV, TIME-TAG, PSA	G185M 1913 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2619 Secs) *[==>2619.0 Secs]*	***[3]***
5	(COS.sp.2024697)	(5) J2308-5258	COS/NUV, TIME-TAG, PSA	G185M 1941 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2619 Secs) *[==>2619.0 Secs]*	***[4]***

Orbit Structure








Orbit 4
Server Version: 20250624
Unused Orbital Visibility = 0
GS Reacq
Occultation
Exp. 5
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18107, Visit 12, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Three orbit visit for J0114-4129. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1890, 1921, and 1953. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

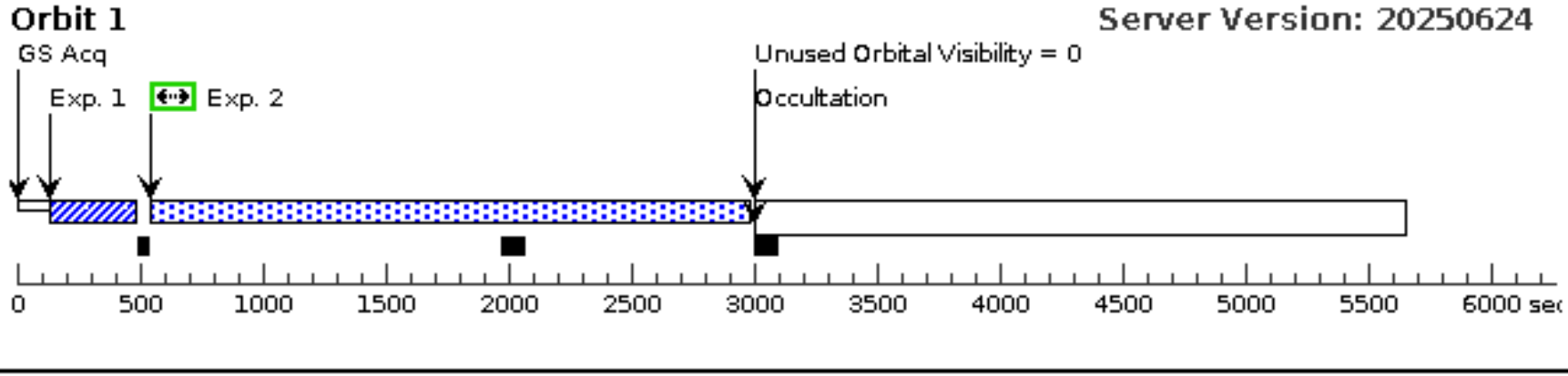
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	J0114-4129 Alt Name1: HE0112-4145	RA: 01 14 22.1232 (18.5921800d) Dec: -41 29 47.29 (-41.49647d) Equinox: J2000	Redshift: 1.0238	V=17.0 NUV=16.71 (GALEX AIS)	Reference Frame: ICRS

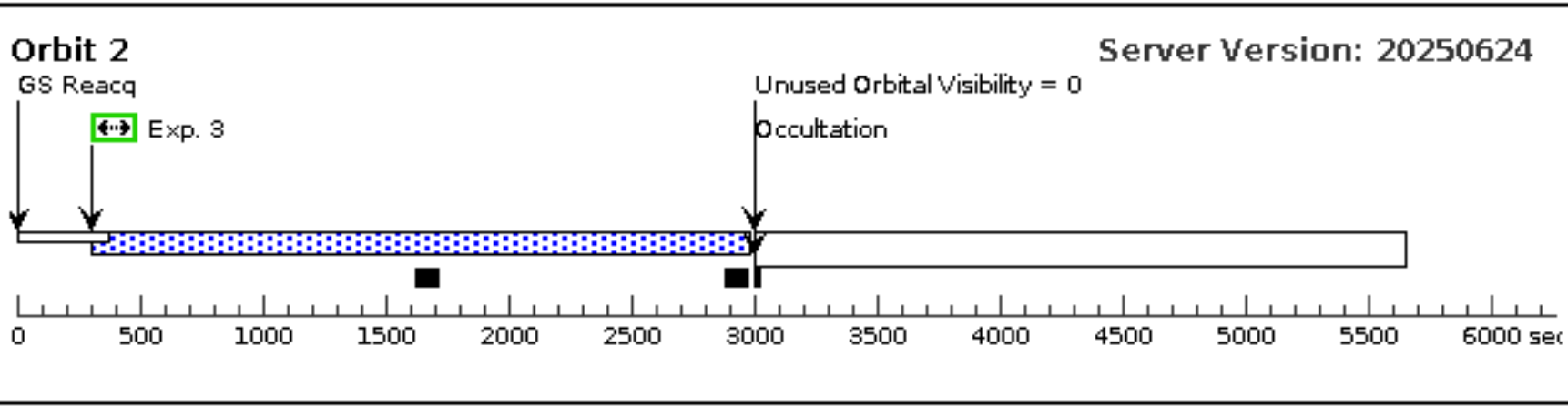
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

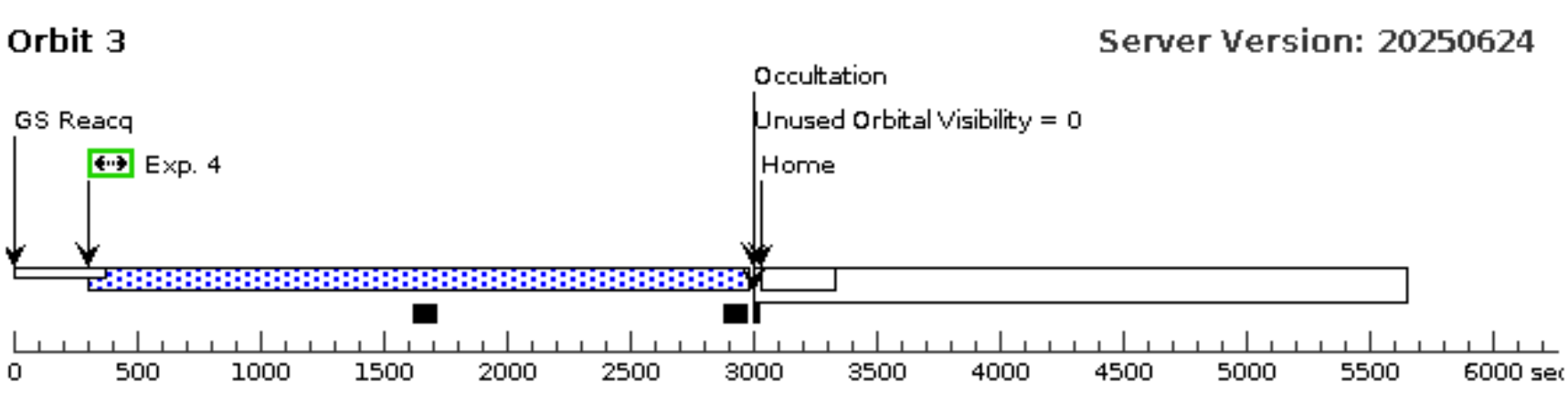
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145934)	(6) J0114-4129	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				19 Secs (19 Secs)	
								[==>]	***[1]***
2	(COS.sp.2024684)	(6) J0114-4129	COS/NUV, TIME-TAG, PSA	G185M 1890 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2245 Secs)	
								[==>2245.0 Secs]	***[1]***
3	(COS.sp.2024688)	(6) J0114-4129	COS/NUV, TIME-TAG, PSA	G185M 1921 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2594 Secs)	
								[==>2594.0 Secs]	***[2]***
4	(COS.sp.2024687)	(6) J0114-4129	COS/NUV, TIME-TAG, PSA	G185M 1953 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2594 Secs)	
								[==>2594.0 Secs]	***[3]***

Orbit Structure







Visit

Proposal 18107, Visit 13, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Three orbit visit for J0114-4129. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1850, 1882, and 1913. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

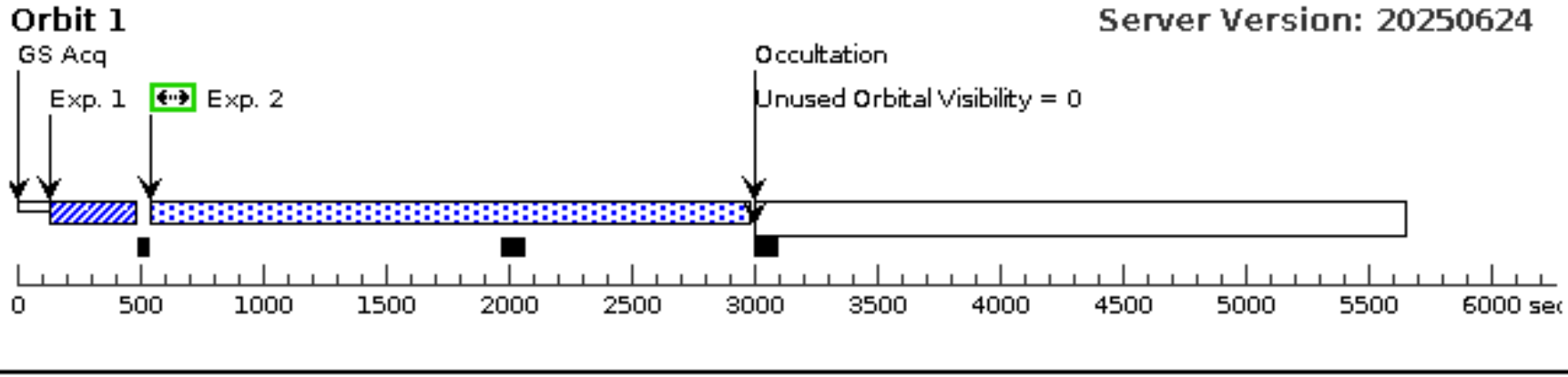
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	J0114-4129 Alt Name1: HE0112-4145	RA: 01 14 22.1232 (18.5921800d) Dec: -41 29 47.29 (-41.49647d) Equinox: J2000	Redshift: 1.0238	V=17.0 NUV=16.71 (GALEX AIS)	Reference Frame: ICRS

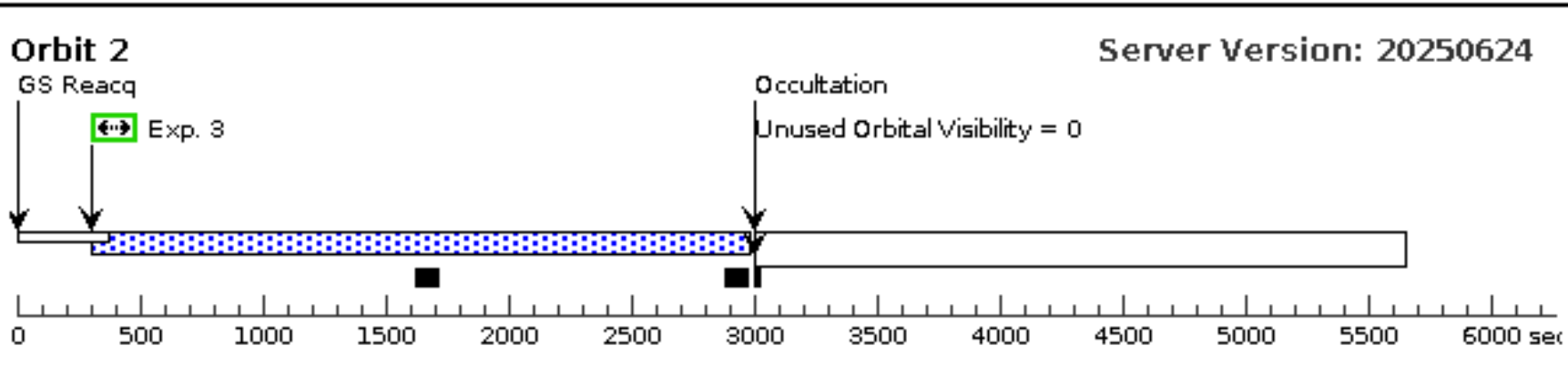
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

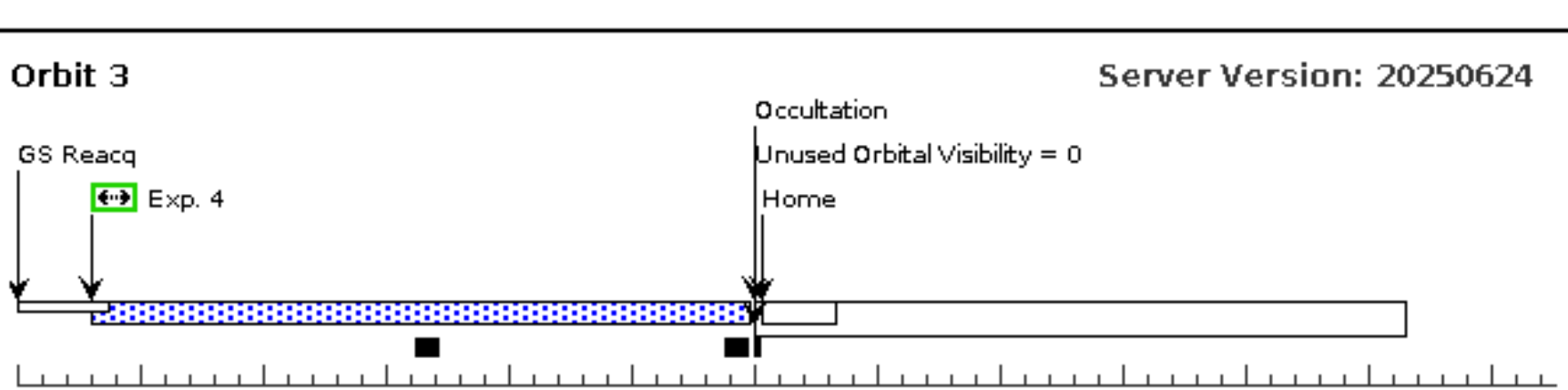
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145934)	(6) J0114-4129	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				19 Secs (19 Secs) *[==>]*	***[1]***
2	(COS.sp.2024693)	(6) J0114-4129	COS/NUV, TIME-TAG, PSA	G185M 1850 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2245 Secs) *[==>2245.0 Secs]*	***[1]***
3	(COS.sp.2024695)	(6) J0114-4129	COS/NUV, TIME-TAG, PSA	G185M 1882 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2594 Secs) *[==>2594.0 Secs]*	***[2]***
4	(COS.sp.2024696)	(6) J0114-4129	COS/NUV, TIME-TAG, PSA	G185M 1913 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2594 Secs) *[==>2594.0 Secs]*	***[3]***

Orbit Structure







Visit

Proposal 18107, Visit 14, implementation Fri Oct 17 14:00:33 GMT 2025

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: (none)

Comments: Four orbit visit for J0114-4129. Acquisition will be performed in ACQ/IMAGE mode with MIRROR B to avoid the bright limit. The visit will acquire a full orbit in cenwaves 1850, 1882, 1913, & 1941. The nominal FP-POS=3 setting will be used for all cenwaves.

Fixed Targets

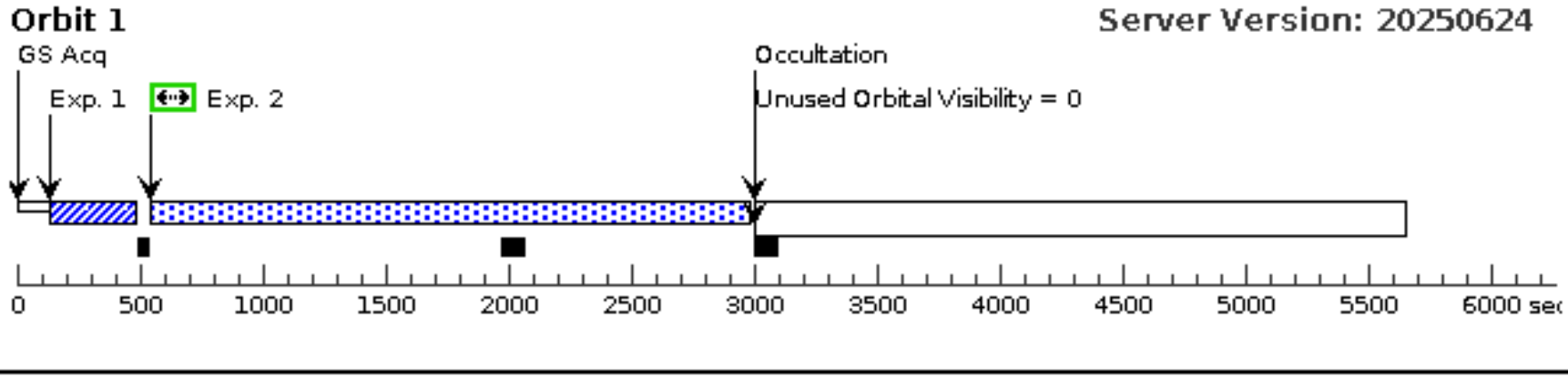
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	J0114-4129 Alt Name1: HE0112-4145	RA: 01 14 22.1232 (18.5921800d) Dec: -41 29 47.29 (-41.49647d) Equinox: J2000	Redshift: 1.0238	V=17.0 NUV=16.71 (GALEX AIS)	Reference Frame: ICRS

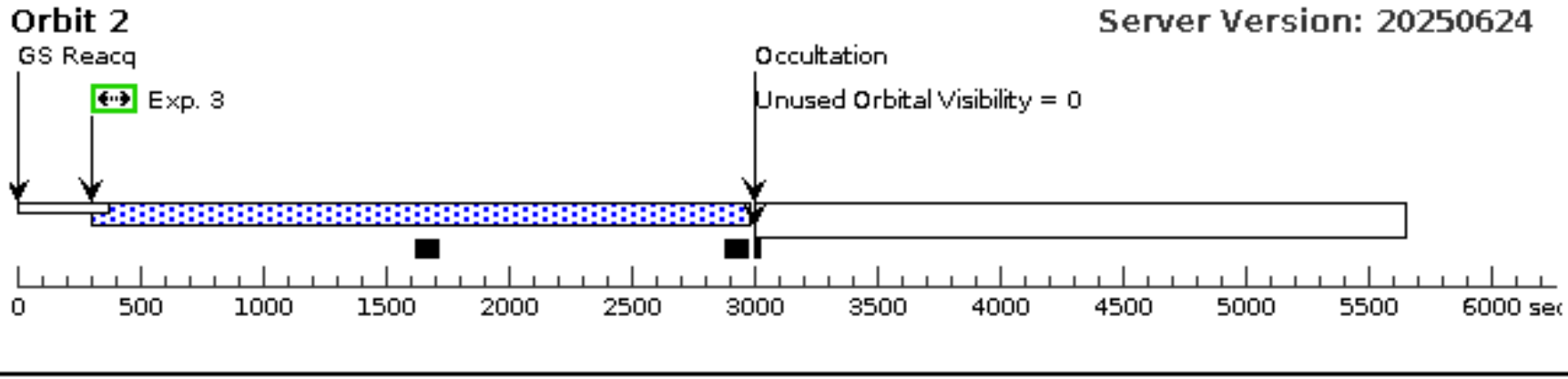
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

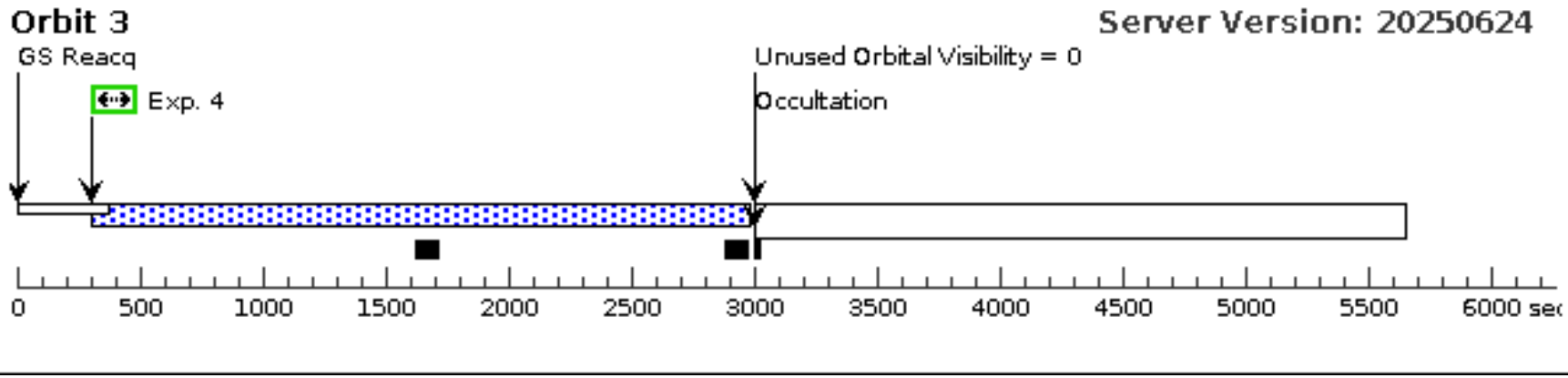
Exposures

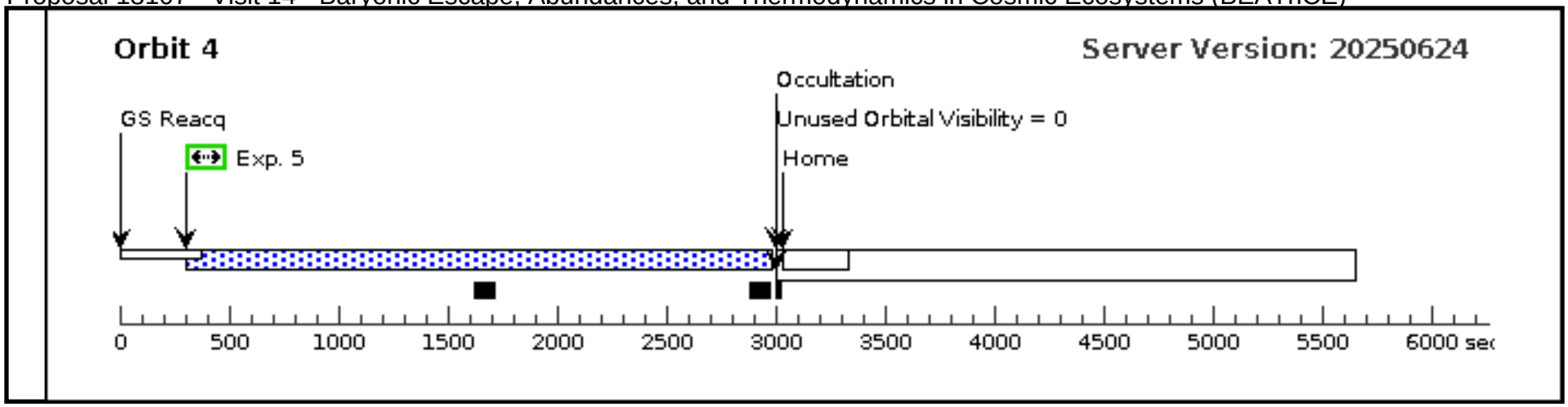
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.2145934)	(6) J0114-4129	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				19 Secs (19 Secs) *[==>]*	***[1]***
2	(COS.sp.2024693)	(6) J0114-4129	COS/NUV, TIME-TAG, PSA	G185M 1850 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2245 Secs) *[==>2245.0 Secs]*	***[1]***
3	(COS.sp.2024695)	(6) J0114-4129	COS/NUV, TIME-TAG, PSA	G185M 1882 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2594 Secs) *[==>2594.0 Secs]*	***[2]***
4	(COS.sp.2024696)	(6) J0114-4129	COS/NUV, TIME-TAG, PSA	G185M 1913 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2594 Secs) *[==>2594.0 Secs]*	***[3]***
5	(COS.sp.2024697)	(6) J0114-4129	COS/NUV, TIME-TAG, PSA	G185M 1941 A	FP-POS=3; BUFFER-TIME=1249			1200 Secs (2594 Secs) *[==>2594.0 Secs]*	***[4]***

Orbit Structure








Orbit 4
Server Version: 20250624
Occultation
GS Reacq
Unused Orbital Visibility = 0
Exp. 5
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18107, Visit 15, implementation Fri Oct 17 14:00:34 GMT 2025

Diagnostic Status: No Diagnostics

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

Special Requirements: (none)

Comments: Three orbit STIS visit for J2339-5523 in E230M cenwave 2707.

Fixed Targets

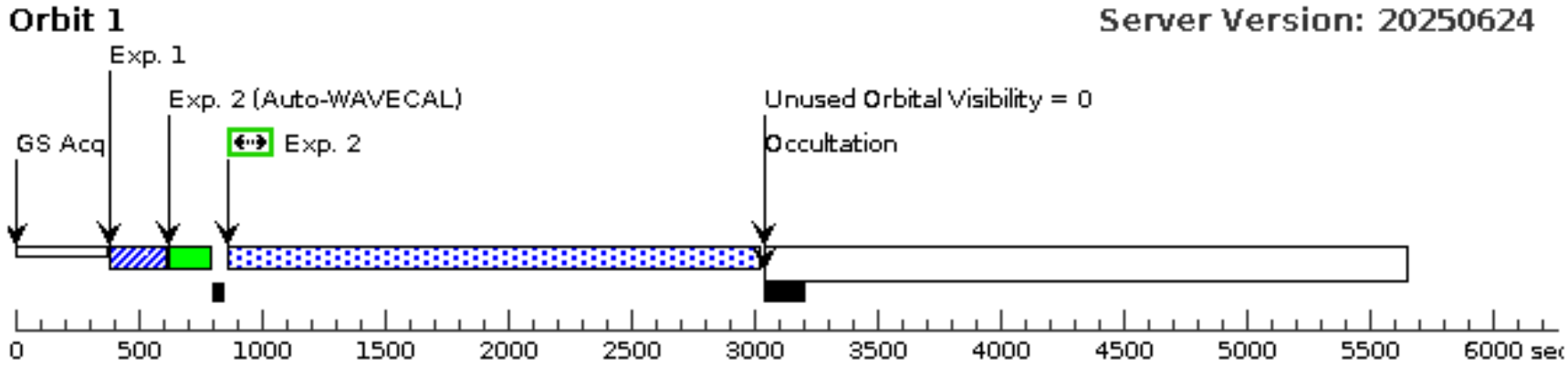
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	J2339-5523 Alt Name1: HE2336-5540	RA: 23 39 13.2183 (354.8050762d) Dec: -55 23 50.84 (-55.39746d) Equinox: J2000	Proper Motion RA: 0.0 Proper Motion Dec: 0.0 Redshift: 1.3531	V=15.19 NUV=16.1 (Cycle 31 STIS-based) or 16.40 (GALEX AIS)	Reference Frame: ICRS

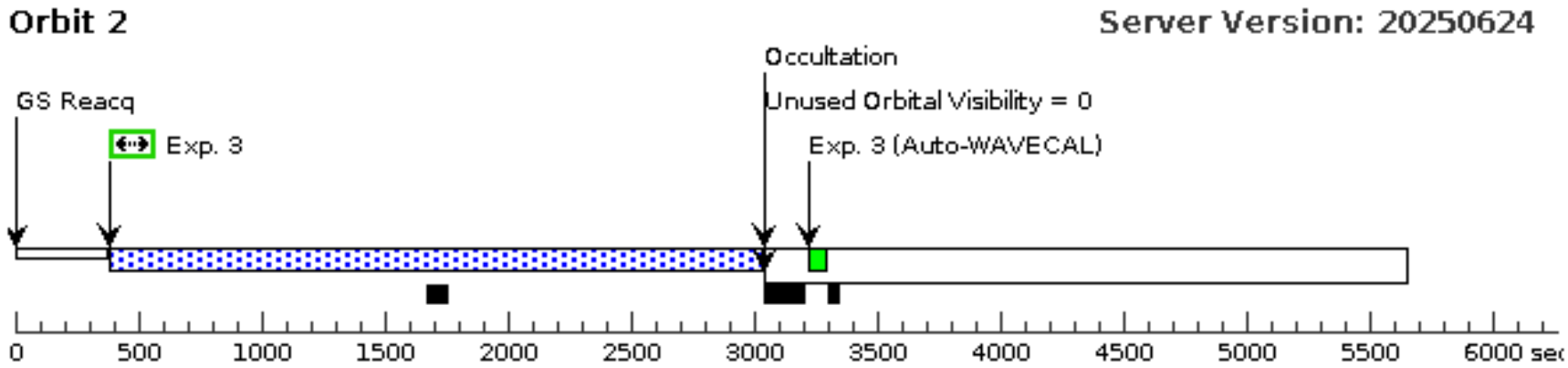
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

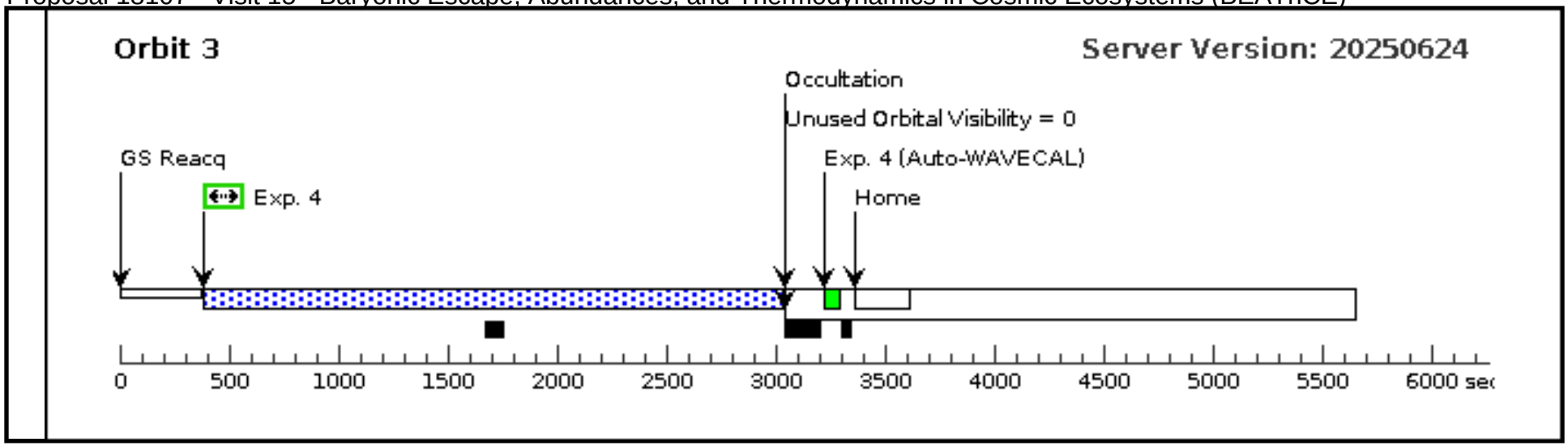
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.2145901)	(1) J2339-5523	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			1.2 Secs (1.2 Secs)	
								[==>]	***[1]***
2	(STIS.sp.2024712)	(1) J2339-5523	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1300			2200 Secs (2149 Secs)	
								[==>2149.0 Secs]	***[1]***
3	(STIS.sp.2024712)	(1) J2339-5523	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1300			2200 Secs (2634 Secs)	
								[==>2634.0 Secs]	***[2]***
4	(STIS.sp.2024712)	(1) J2339-5523	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1300			2200 Secs (2634 Secs)	
								[==>2634.0 Secs]	***[3]***

Orbit Structure






Orbit 3
Server Version: 20250624
Occultation
Unused Orbital Visibility = 0
GS Reacq
Exp. 4 (Auto-WAVECAL)
Exp. 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18107, Visit 16, implementation Fri Oct 17 14:00:34 GMT 2025

Diagnostic Status: No Diagnostics

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

Special Requirements: (none)

Comments: Three orbit STIS visit for J0154-0712 in E230M cenwave 2707.

Fixed Targets

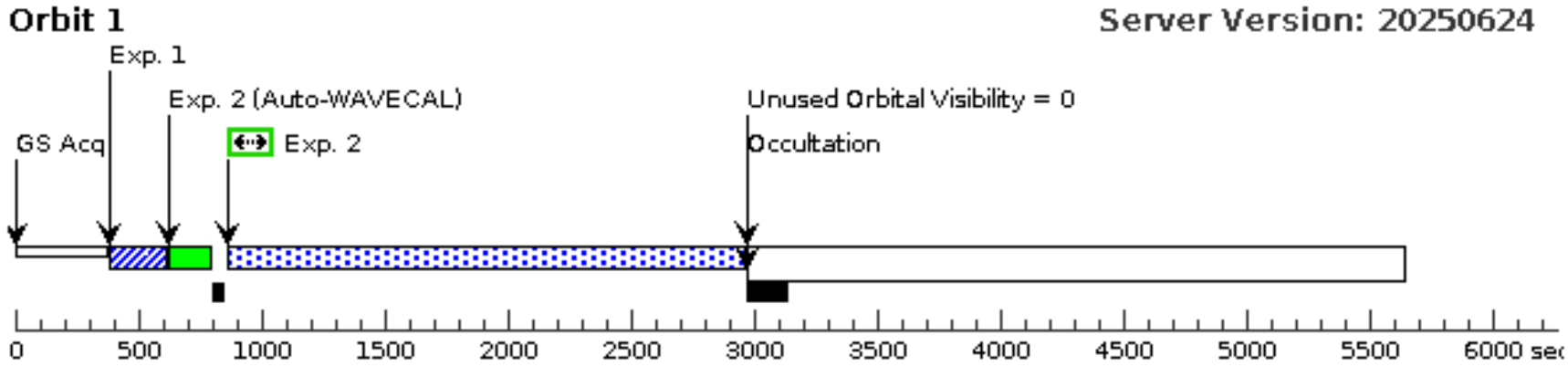
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	J0154-0712 Alt Name1: UVQSJ015454.68-071222.2	RA: 01 54 54.6823 (28.7278429d) Dec: -07 12 22.17 (-7.20616d) Equinox: J2000	Redshift: 1.2957	V=15.73 NUV=16.33 (Cycle 31 STIS-based) or 16.5 (GALEX AIS)	Reference Frame: ICRS

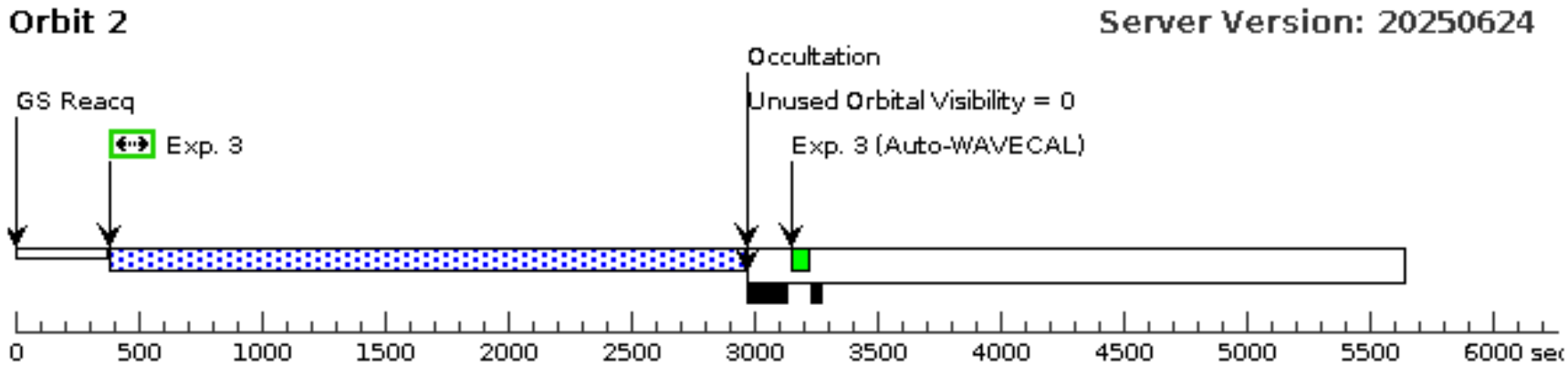
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

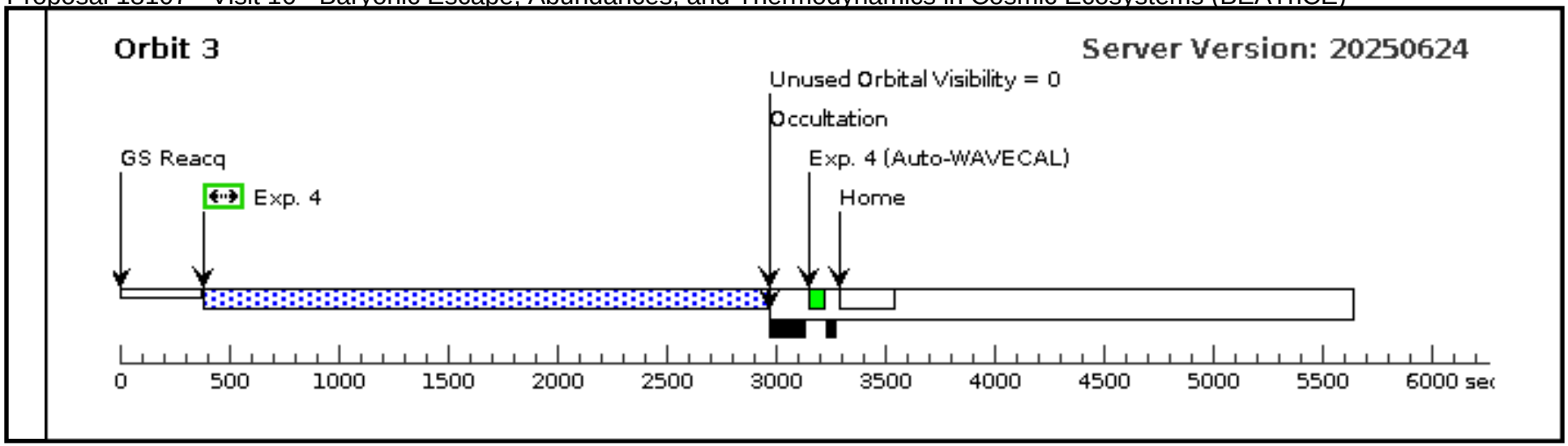
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.2145903)	(2) J0154-0712	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			1.2 Secs (1.2 Secs) *[==>]*	*[1]*
2	(STIS.sp.2024936)	(2) J0154-0712	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1300			2200 Secs (2082 Secs) *[==>2082.0 Secs]*	*[1]*
3	(STIS.sp.2024936)	(2) J0154-0712	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1300			2200 Secs (2567 Secs) *[==>2567.0 Secs]*	*[2]*
4	(STIS.sp.2024936)	(2) J0154-0712	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1300			2200 Secs (2567 Secs) *[==>2567.0 Secs]*	*[3]*

Orbit Structure






Orbit 3
Server Version: 20250624
Unused Orbital Visibility = 0
Occultation
GS Reacq
Exp. 4
Exp. 4 (Auto-WAVECAL)
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18107, Visit 17, implementation Fri Oct 17 14:00:34 GMT 2025

Diagnostic Status: No Diagnostics

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

Special Requirements: (none)

Comments: Three orbit STIS visit for J0111-0316 in E230M cenwave 2707.

Fixed Targets

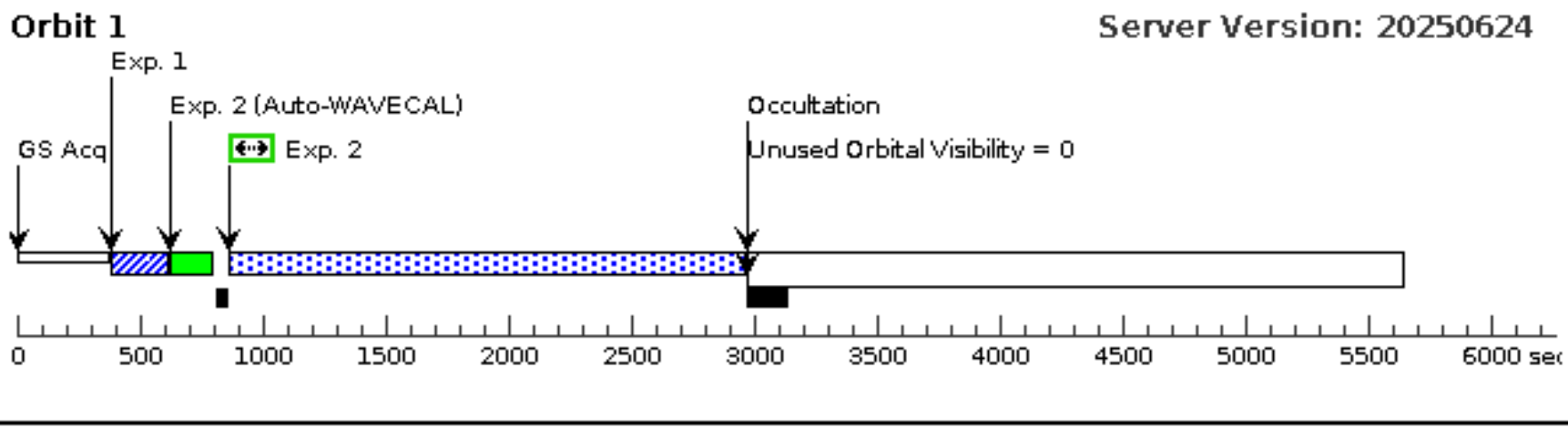
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	J0111-0316 Alt Name1: UVQSJ011139.17-031610.9	RA: 01 11 39.1709 (17.9132121d) Dec: -03 16 10.89 (-3.26969d) Equinox: J2000	Redshift: 1.2378	V=15.58 NUV=16.47 (Cycle 31 STIS-based) or 17.1 (GALEX AIS based)	Reference Frame: ICRS

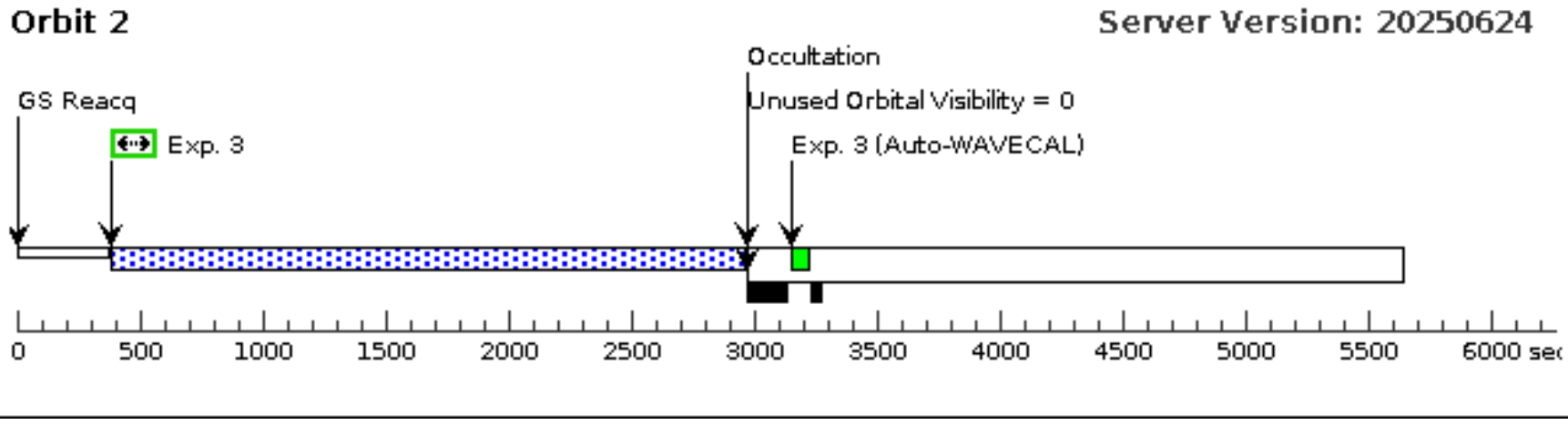
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

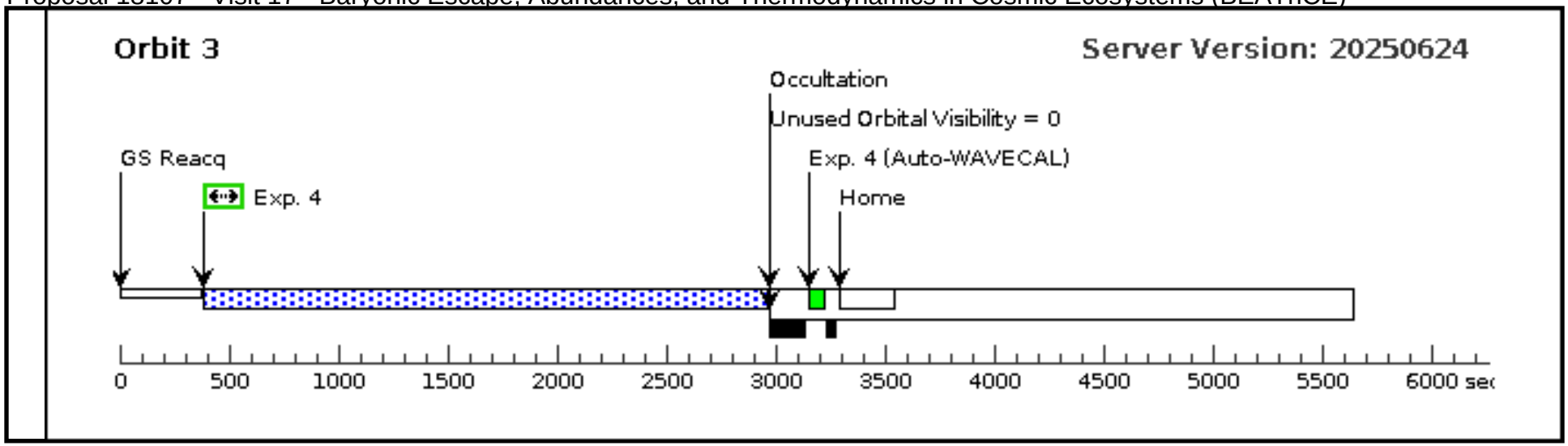
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.2145904)	(3) J0111-0316	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			2 Secs (2 Secs) *[==>]*	 ***[1]***
2	(STIS.sp.2024943)	(3) J0111-0316	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1400			2200 Secs (2080 Secs) *[==>2080.0 Secs]*	 ***[1]***
3	(STIS.sp.2024943)	(3) J0111-0316	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1400			2200 Secs (2569 Secs) *[==>2569.0 Secs]*	 ***[2]***
4	(STIS.sp.2024943)	(3) J0111-0316	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1400			2200 Secs (2569 Secs) *[==>2569.0 Secs]*	 ***[3]***

Orbit Structure






Orbit 3
Server Version: 20250624
Occultation
Unused Orbital Visibility = 0
GS Reacq
Exp. 4
Exp. 4 (Auto-WAVECAL)
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18107, Visit 18, implementation Fri Oct 17 14:00:34 GMT 2025

Diagnostic Status: No Diagnostics

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

Special Requirements: (none)

Comments: Three orbit STIS visit for J0333-4102 in E230M cenwave 2707.

Fixed Targets

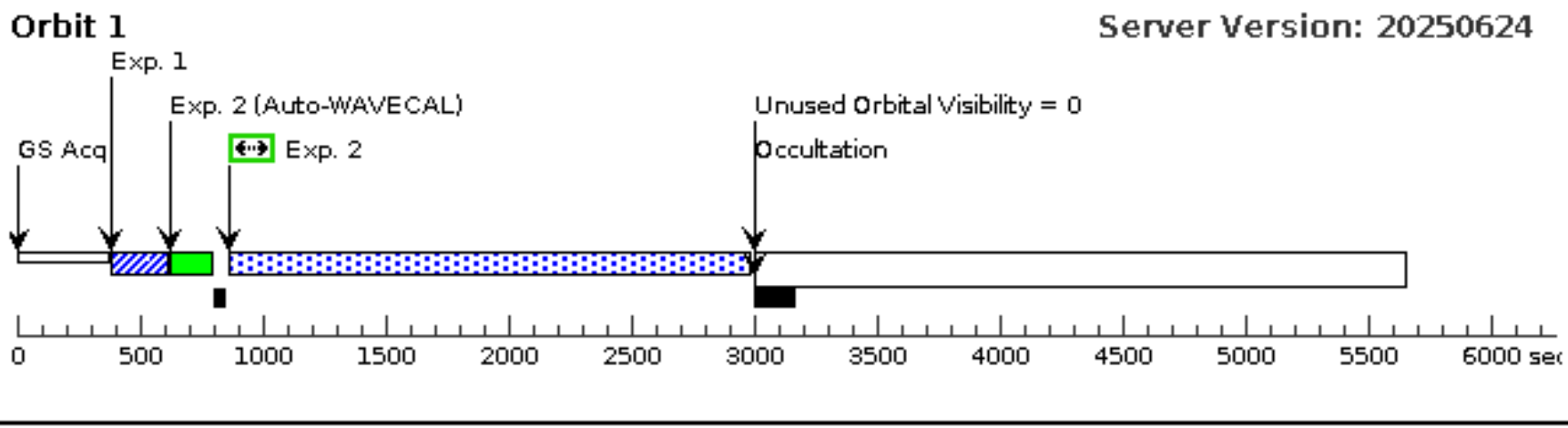
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	J0333-4102 Alt Name1: HE0331-4112	RA: 03 33 7.0756 (53.2794817d) Dec: -41 02 1.15 (-41.03365d) Equinox: J2000	Redshift: 1.1153	V=15.59 NUV=16.21 (Cycle 31 STIS-based) or 16.3 (GALEX AIS)	Reference Frame: ICRS

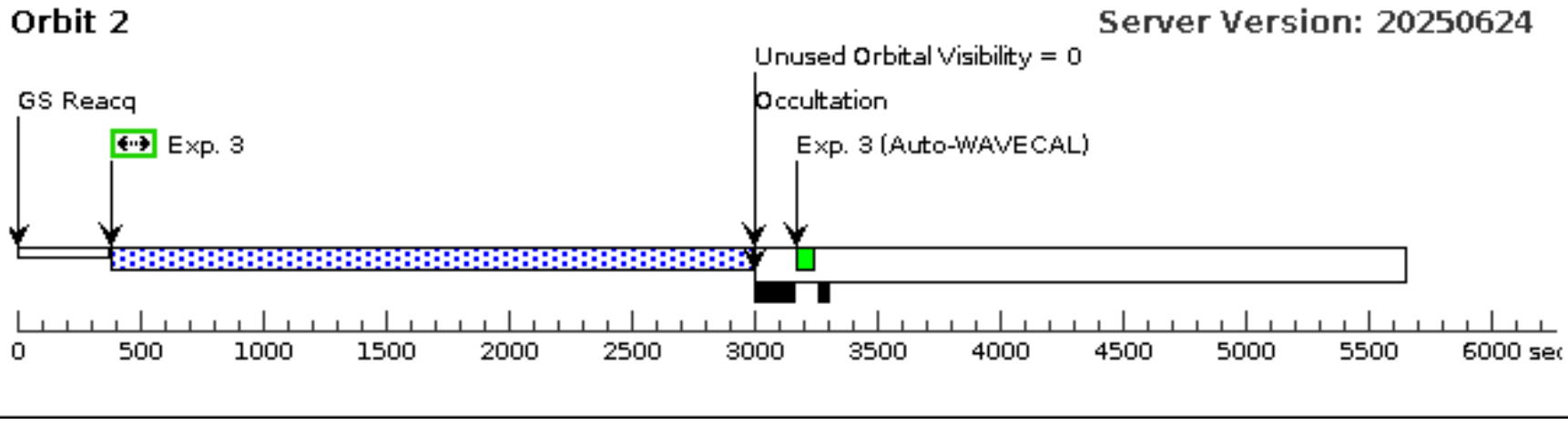
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

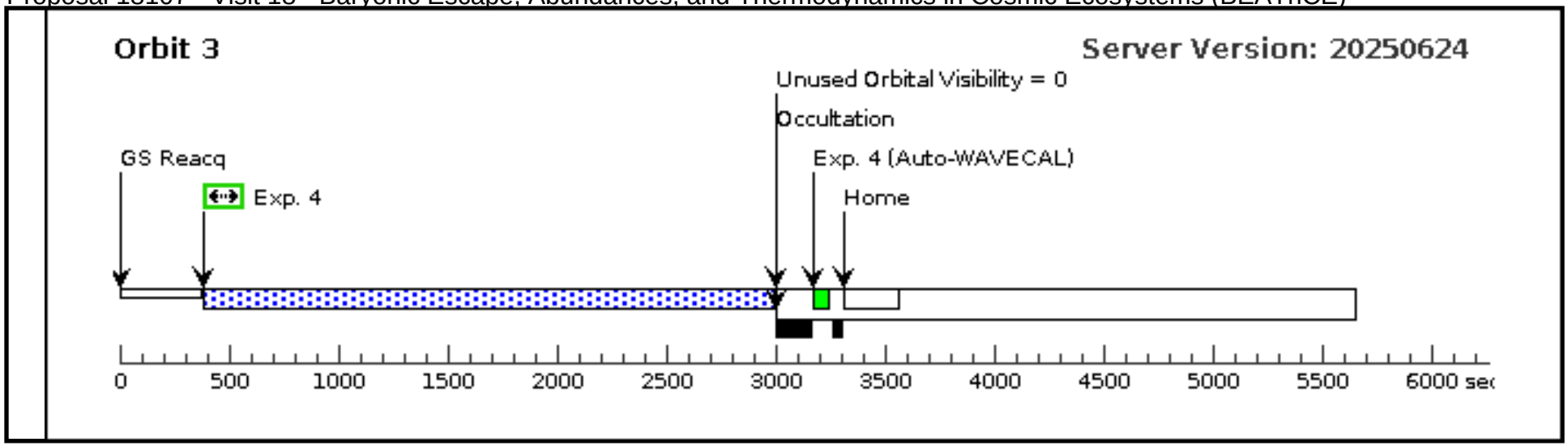
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.2145905)	(4) J0333-4102	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			1 Secs (1 Secs) *[==>]*	***[1]***
2	(STIS.sp.2024945)	(4) J0333-4102	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1300			2200 Secs (2106 Secs) *[==>2106.0 Secs]*	***[1]***
3	(STIS.sp.2024945)	(4) J0333-4102	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1300			2200 Secs (2591 Secs) *[==>2591.0 Secs]*	***[2]***
4	(STIS.sp.2024945)	(4) J0333-4102	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1300			2200 Secs (2591 Secs) *[==>2591.0 Secs]*	***[3]***

Orbit Structure






Orbit 3
Server Version: 20250624
Unused Orbital Visibility = 0
Occultation
GS Reacq
Exp. 4
Exp. 4 (Auto-WAVECAL)
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18107, Visit 19, implementation Fri Oct 17 14:00:34 GMT 2025

Diagnostic Status: No Diagnostics

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

Special Requirements: (none)

Comments: Four orbit STIS visit for J2308-5258 in E230M cenwave 2707.

Fixed Targets

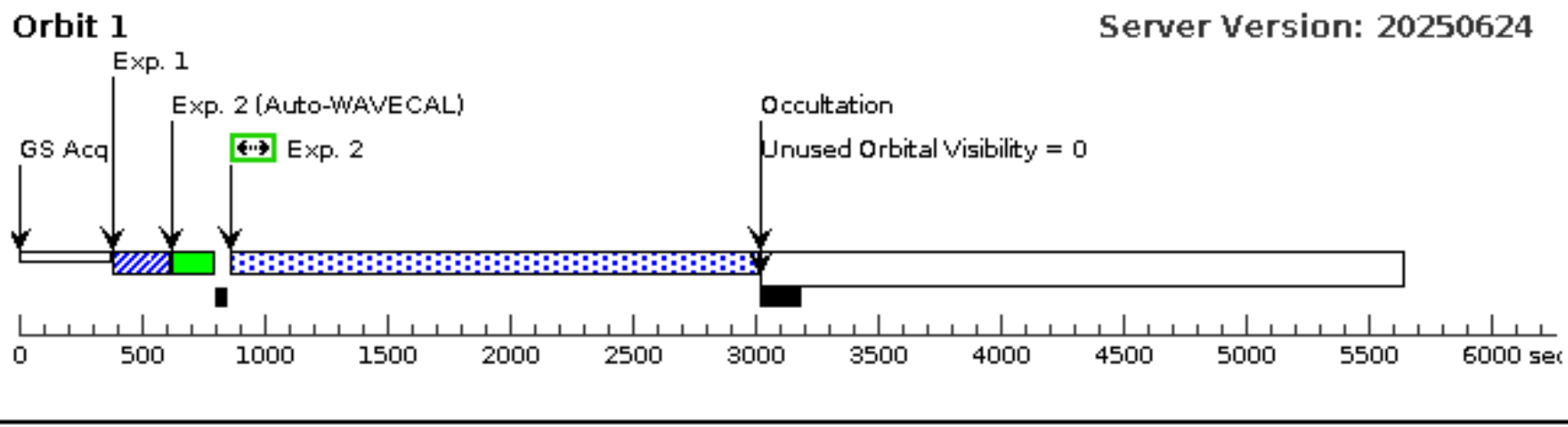
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	J2308-5258 Alt Name1: HE2305-5315	RA: 23 08 37.7961 (347.1574837d) Dec: -52 58 48.94 (-52.98026d) Equinox: J2000	Redshift: 1.0733	V=16.20 NUV=16.7 (Cycle 31 STIS-based) or 16.7 (GALEX AIS)	Reference Frame: ICRS

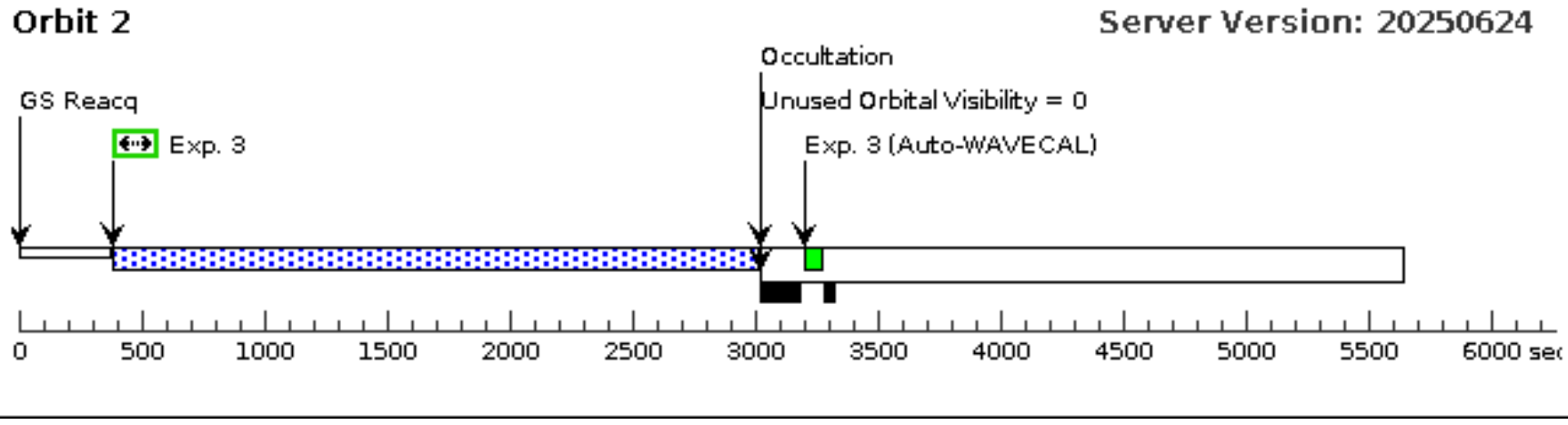
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

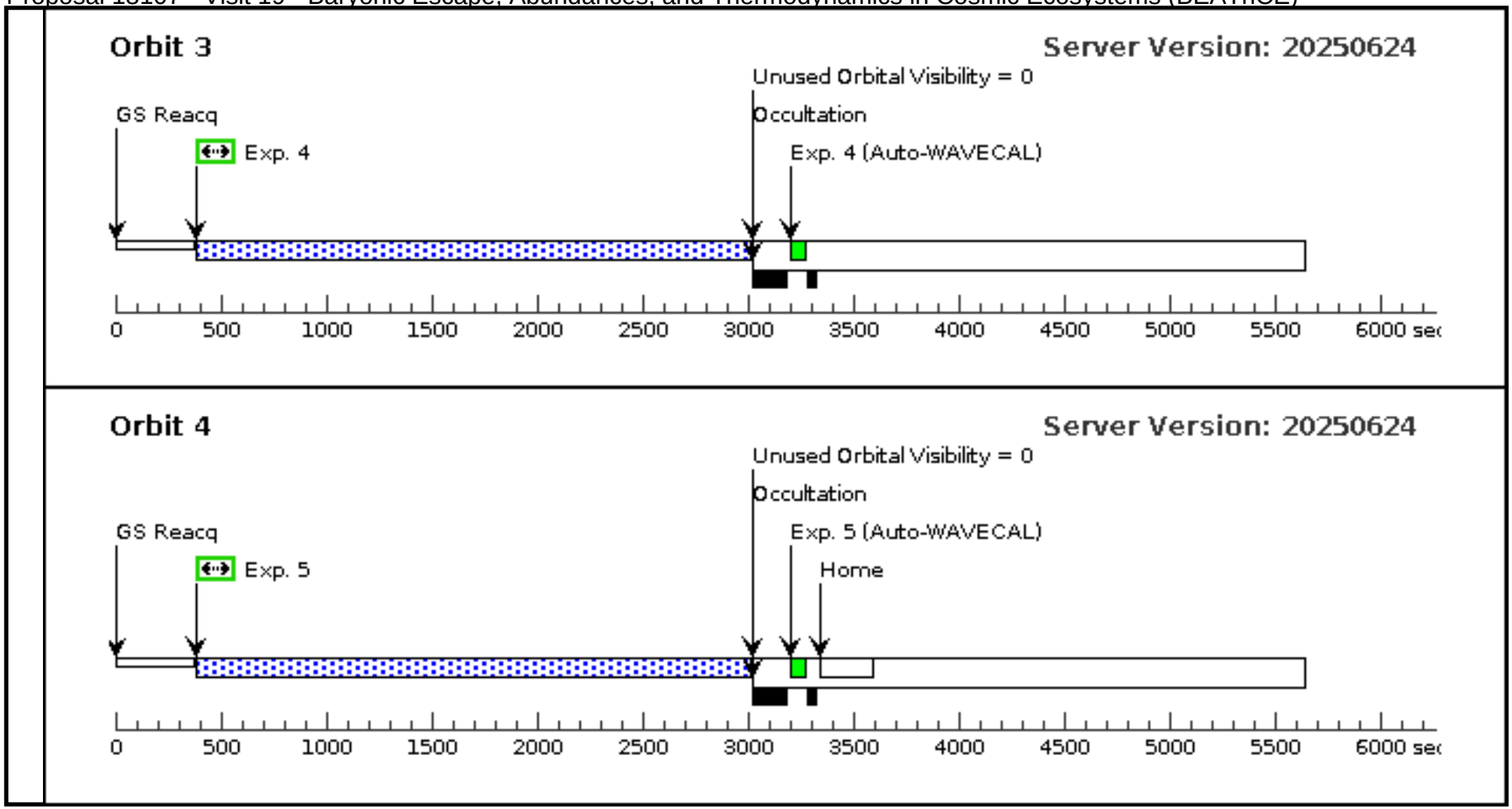
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.2145907)	(5) J2308-5258	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			1.3 Secs (1.3 Secs) *[==>]*	***[1]***
2	(STIS.sp.2024948)	(5) J2308-5258	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1450			2200 Secs (2131 Secs) *[==>2131.0 Secs]*	***[1]***
3	(STIS.sp.2024948)	(5) J2308-5258	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1450			2200 Secs (2616 Secs) *[==>2616.0 Secs]*	***[2]***
4	(STIS.sp.2024948)	(5) J2308-5258	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1450			2200 Secs (2616 Secs) *[==>2616.0 Secs]*	***[3]***
5	(STIS.sp.2024948)	(5) J2308-5258	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1450			2200 Secs (2616 Secs) *[==>2616.0 Secs]*	***[4]***

Orbit Structure






Orbit 3
Server Version: 20250624
Unused Orbital Visibility = 0
Occultation
GS Reacq
Exp. 4
Exp. 4 (Auto-WAVECAL)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec
Orbit 4
Server Version: 20250624
Unused Orbital Visibility = 0
Occultation
GS Reacq
Exp. 5
Exp. 5 (Auto-WAVECAL)
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 18107, Visit 20, implementation Fri Oct 17 14:00:34 GMT 2025

Diagnostic Status: No Diagnostics

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

Special Requirements: (none)

Comments: Four orbit STIS visit for J2308-5258 in E230M cenwave 2707.

Fixed Targets

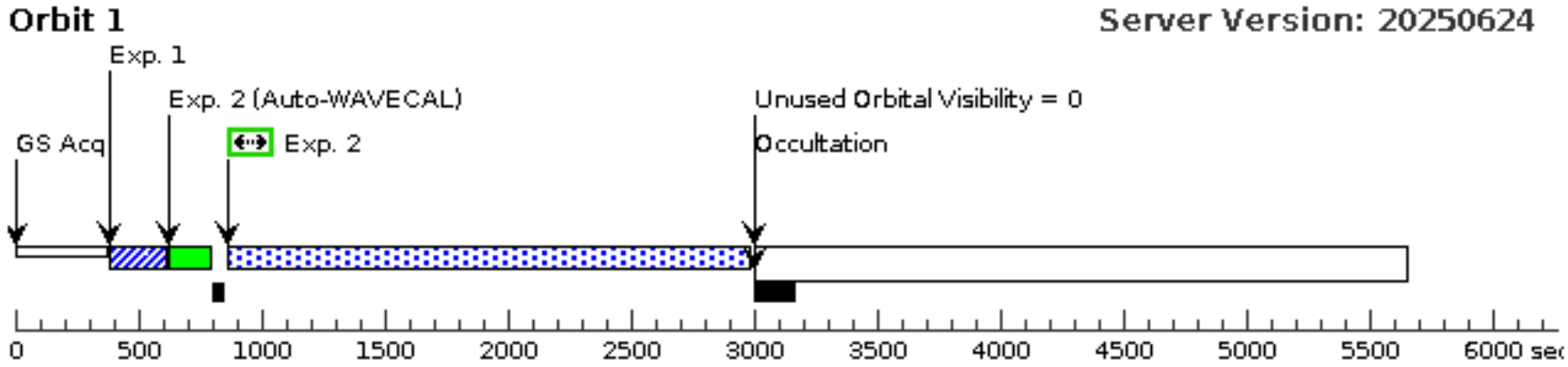
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	J0114-4129 Alt Name1: HE0112-4145	RA: 01 14 22.1232 (18.5921800d) Dec: -41 29 47.29 (-41.49647d) Equinox: J2000	Redshift: 1.0238	V=17.0 NUV=16.71 (GALEX AIS)	Reference Frame: ICRS

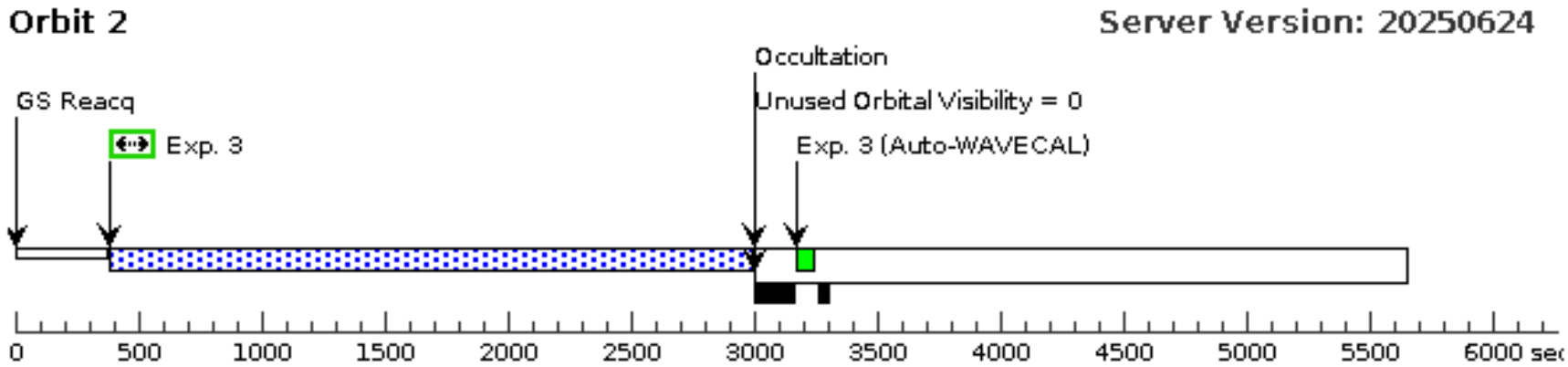
Comments:
Category=GALAXY
Description=[QSO, QUASAR]
Extended=NO

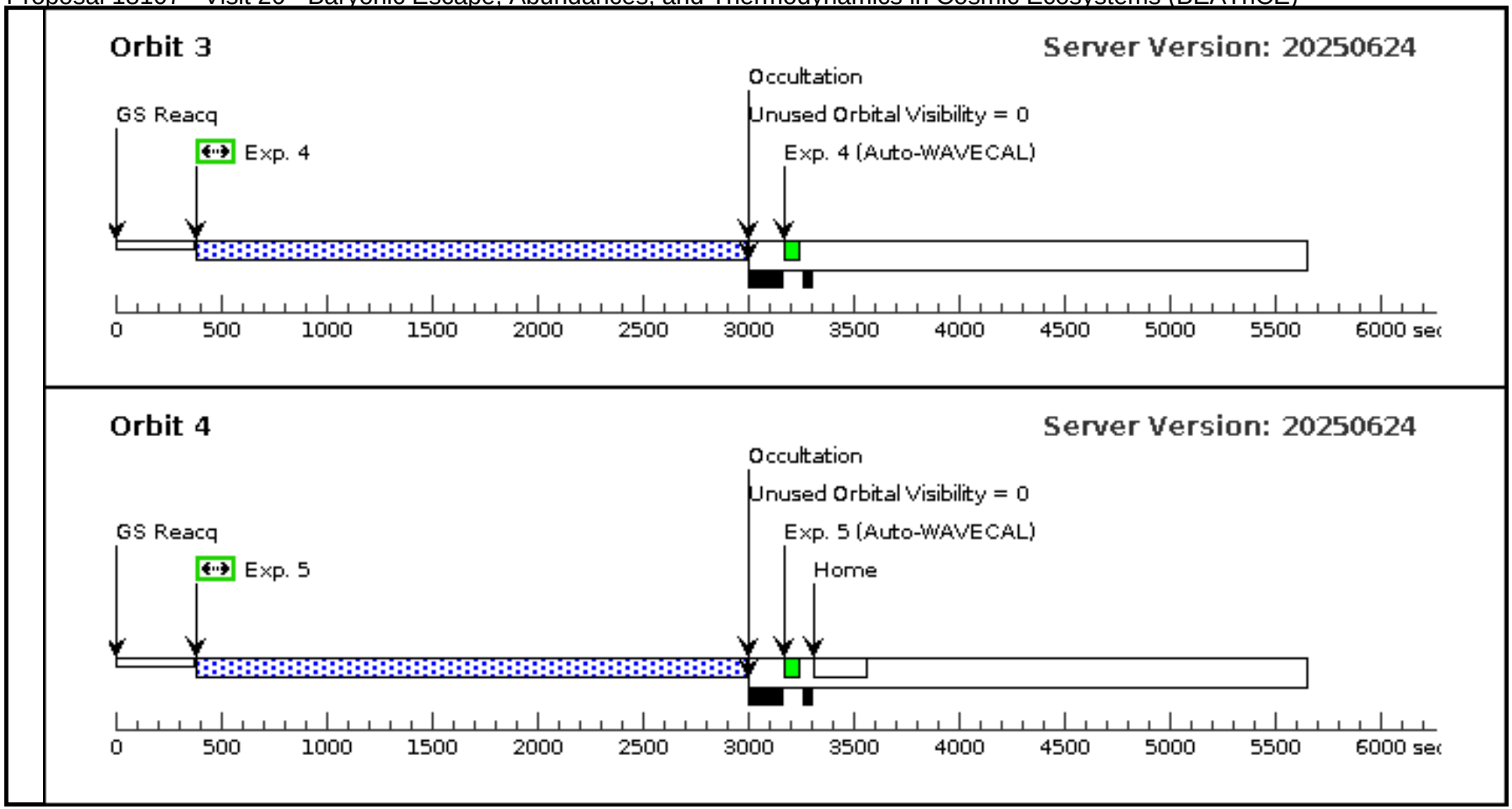
Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.ta.2145908)	(6) J0114-4129	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			1.2 Secs (1.2 Secs) *[==>]*	***[1]***
2	(STIS.sp.2024948)	(6) J0114-4129	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1450			2200 Secs (2106 Secs) *[==>2106.0 Secs]*	***[1]***
3	(STIS.sp.2024948)	(6) J0114-4129	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1450			2200 Secs (2591 Secs) *[==>2591.0 Secs]*	***[2]***
4	(STIS.sp.2024948)	(6) J0114-4129	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1450			2200 Secs (2591 Secs) *[==>2591.0 Secs]*	***[3]***
5	(STIS.sp.2024948)	(6) J0114-4129	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	BUFFER-TIME=1450			2200 Secs (2591 Secs) *[==>2591.0 Secs]*	***[4]***

Orbit Structure






Orbit 3
Server Version: 20250624
Occultation
Unused Orbital Visibility = 0
GS Reacq
Exp. 4
Exp. 4 (Auto-WAVECAL)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec
Orbit 4
Server Version: 20250624
Occultation
Unused Orbital Visibility = 0
GS Reacq
Exp. 5
Exp. 5 (Auto-WAVECAL)
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec