17511 - A Major Overhaul of Ultraviolet-Based Black Hole Mass Prescriptions

Cycle: 31, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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Theodora Zastrocky (CoI)	University of Wyoming

VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) SDSSJ100402.61+285535.3	STIS/CCD STIS/NUV-MAMA	1	20-Feb-2026 13:00:15.0	yes
51	(1) SDSSJ100402.61+285535.3	STIS/CCD STIS/NUV-MAMA	1	20-Feb-2026 13:00:16.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
02	(2) SDSSJ075051.72+245409.3	STIS/CCD STIS/NUV-MAMA	2	20-Feb-2026 13:00:17.0	yes
52	(2) SDSSJ075051.72+245409.3	STIS/CCD	1	20-Feb-2026 13:00:17.0	yes
03	(3) SDSSJ080101.41+184840.7	STIS/CCD STIS/NUV-MAMA	2	20-Feb-2026 13:00:18.0	yes
04	(4) SDSSJ074352.02+271239.5	STIS/CCD STIS/NUV-MAMA	1	20-Feb-2026 13:00:19.0	yes
05	(5) SDSSJ101000.68+300321.5	STIS/CCD STIS/NUV-MAMA	2	20-Feb-2026 13:00:19.0	yes
06	(6) PG1404+226	STIS/CCD STIS/NUV-MAMA	1	20-Feb-2026 13:00:20.0	yes
07	(7) PG1448+273	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	20-Feb-2026 13:00:21.0	yes
08	(8) PG1402+261	STIS/CCD STIS/NUV-MAMA	1	20-Feb-2026 13:00:21.0	yes
09	(9) PG1322+659	STIS/CCD STIS/NUV-MAMA	1	20-Feb-2026 13:00:22.0	yes
10	(10) PG1552+085	STIS/CCD STIS/NUV-MAMA	2	20-Feb-2026 13:00:23.0	yes
11	(11) PG1440+356	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	1	20-Feb-2026 13:00:23.0	yes
12	(12) MRK-142	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	20-Feb-2026 13:00:24.0	yes
13	(13) PG1415+451	STIS/CCD STIS/NUV-MAMA	2	20-Feb-2026 13:00:24.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
63	(13) PG1415+451	STIS/CCD STIS/NUV-MAMA	1	20-Feb-2026 13:00:25.0	yes
14	(14) PG1211+143	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	20-Feb-2026 13:00:26.0	yes
64	(14) PG1211+143	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	20-Feb-2026 13:00:27.0	yes
15	(15) PG1519+226	STIS/CCD STIS/NUV-MAMA	2	20-Feb-2026 13:00:27.0	yes
16	(16) PG1048+342	STIS/CCD STIS/NUV-MAMA	2	20-Feb-2026 13:00:28.0	yes
66	(16) PG1048+342	STIS/CCD STIS/NUV-MAMA	2	20-Feb-2026 13:00:29.0	yes
R6	(16) PG1048+342	STIS/CCD	1	20-Feb-2026 13:00:29.0	yes
17	(17) PG0923+129	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	20-Feb-2026 13:00:30.0	yes
18	(18) PG1100+772	STIS/CCD STIS/NUV-MAMA	1	20-Feb-2026 13:00:30.0	yes

37 Total Orbits Used

ABSTRACT

We propose obtaining UV spectra of 18 bright reverberation-mapped AGNs with Eddington ratio greater than 0.3 in order to overhaul single-epoch black hole mass prescriptions using the C IV and Mg II emission lines. Combining the new spectra with archival data, we will cover a complete range of Eddington ratio seen in AGNs and quadruple the number of high accretion rate AGNs than previously used. Samples deficient in highly accreting AGNs led to significant overestimation of single-epoch (SE) black hole mass formulations for both optical and UV-based methods. Studies show that these mass overestimations are correlated with the Eddington ratio. Recently the Hbeta-based SE masses have been corrected using

features in the optical spectra, and we want to use a similar approach for UV prescriptions. Our efforts will significantly improve both the accuracy and precision of black hole mass estimates based on single-epoch UV spectra. This project has wide application given the hundreds of thousands of rest-frame UV spectra of high-redshift quasars produced by large spectroscopic surveys.

OBSERVING DESCRIPTION

We propose to make long-slit spectroscopic observations of 18 reverberation-mapped AGNs using STIS MAMA and CCD with the 52"x0.2" slit. We will use the 1st-order gratings G140L, G230L and G430L to obtain the spectra covering C iv to Mg ii lines. Our targets have GALEX NUV AB magnitude brighter than 17.8. The redshifts of these targets fall in the range 0.028 <= z <= 0.4 and their V magnitudes are in the range 14.19 to 17.2. We request 29 orbits in total for the project.

Our scientific objectives need the assessment of line ratios and line profiles of emission lines diagnostic of accretion rates. We will observe C iv lambda 1549 to Mg ii lambda 2798 that corresponds to far-ultraviolet (FUV), near-ultraviolet (NUV) and optical regions at the redshifts of our target. We will utilize STIS Multi-Anode Microchannel Array (MAMA) FUV G140L, NUV G230L and CCD G430L gratings. The STIS instrument offers the remarkable capability to acquire almost simultaneous spectra with consistent aperture. It minimizes potential systematic biases due to AGN variability, host-galaxy contamination, and contributions from the narrow-line region.

STIS FUV MAMA 1st order G140L grating provides a spectral range of 1150-1730 angstrom with resolution of 960-1440 and will cover the lamda 1400 feature and the C iv line for low-redshift targets (z <= 0.115). We will use the recommended 52x0.2D1 aperture to place the targets two arcsecond above the edge of the FUV MAMA detector to minimize the extra dark current. We will observe Mg ii for our low-redshift targets using STIS NUV MAMA 1st order grating G230L that provides a spectral range of 1570-3180 angstrom with spectral resolution of 500-1010. G230L will also be used for higher redshift targets (z >= 0.121) to observe C iv line. We will use the standard 52x0.2 aperture for the NUV MAMA. For higher redshift targets the Mg ii line will be covered by the STIS CCD G430L grating with spectral range 2900-5700 angstrom and resolution of 530-1040. To minimize losses caused by imperfect charge transfer efficiency, we will use the recommended E1 aperture position for the CCD detector. Our targets are relatively faint and will not exceed the MAMA/CCD brightness limit. To ensure effective removal of cosmic ray hits and bad pixels, we implement a dithering technique for each grating recommended in the STIS instrument handbook.

To estimate the required exposure time, we utilized the STIS Spectroscopic ETC and selected the proposed STIS configuration, point source type, and a non-stellar model spectra (QSO, LBQS based). We then simulated the spectra of 18 targets by taking into account factors such as redshift, extinction, and GALEX AB magnitude (i or u magnitude if GALEX magnitudes were not available). In our simulations, we used standard zodiacal

light and Earth shine light configurations. For low-redshift targets (z <= 0.115), we used STIS MAMA-FUV and MAMA-NUV gratings to simulate the spectra with a signal-to-noise (S/N) per resolution element greater than 15 in the continuum, specifically for the observed wavelength of C iv and, whenever possible, the lambda 1400 feature and Mg ii lines. For higher redshift targets (z > 0.121), we used STIS MAMA-NUV and CCD gratings with the same S/N requirement. We are requesting 1-2 orbits for each target to obtain a spectra with S/N>15. We provide the STIS ETC id for each target. We use the entire orbit and exceed our minimum exposure time estimates, which are therefore conservation. This approach guarantees a good S/N even for objects that have dimmed since their GALEX measurements.

Visit

Proposal 17511, SDSSJ100402 (01), failed Fri Feb 20 18:00:31 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(SDSSJ100402 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2), (3)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=2	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

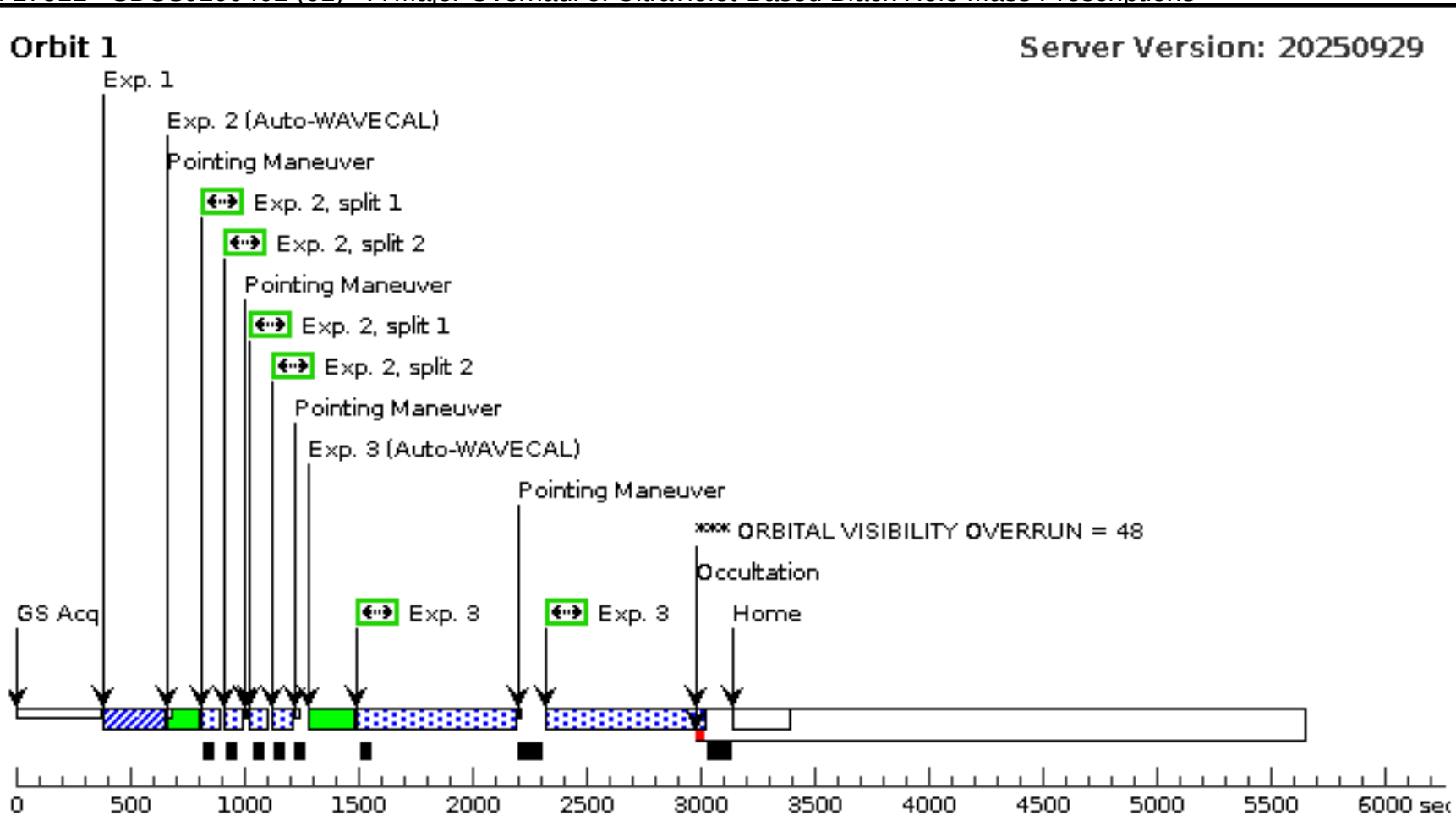
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	SDSSJ100402.61+285535.3	RA: 10 04 2.6102 (151.0108758d) Dec: +28 55 35.33 (28.92648d) Equinox: J2000	Proper Motion RA: -1.5233898063796222E-7 sec of time/yr Proper Motion Dec: -2.5000008463393897E-5 arcsec/yr Epoch of Position: 2015.5	V=15.7	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891858)	(1) SDSSJ100402.61+285535.3	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			10 Secs (10 Secs) *[==>]*	 ***[1]***
2	CCD430L (1891625)	(1) SDSSJ100402.61+285535.3	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in SDSSJ100402 (01) (1)	100 Secs (200 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]*	 ***[1]***
3	NUVG230L (1891606)	(1) SDSSJ100402.61+285535.3	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 1, Exps 3-3 in SDSSJ100402 (01) (1)	683 Secs (1366 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]*	 ***[1]***

Orbit Structure



Visit

Proposal 17511, SDSSJ100402 (51), completed Fri Feb 20 18:00:31 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Comments: Repeat of failed visit 01

Diagnostics

(SDSSJ100402 (51)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2), (3)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=2	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

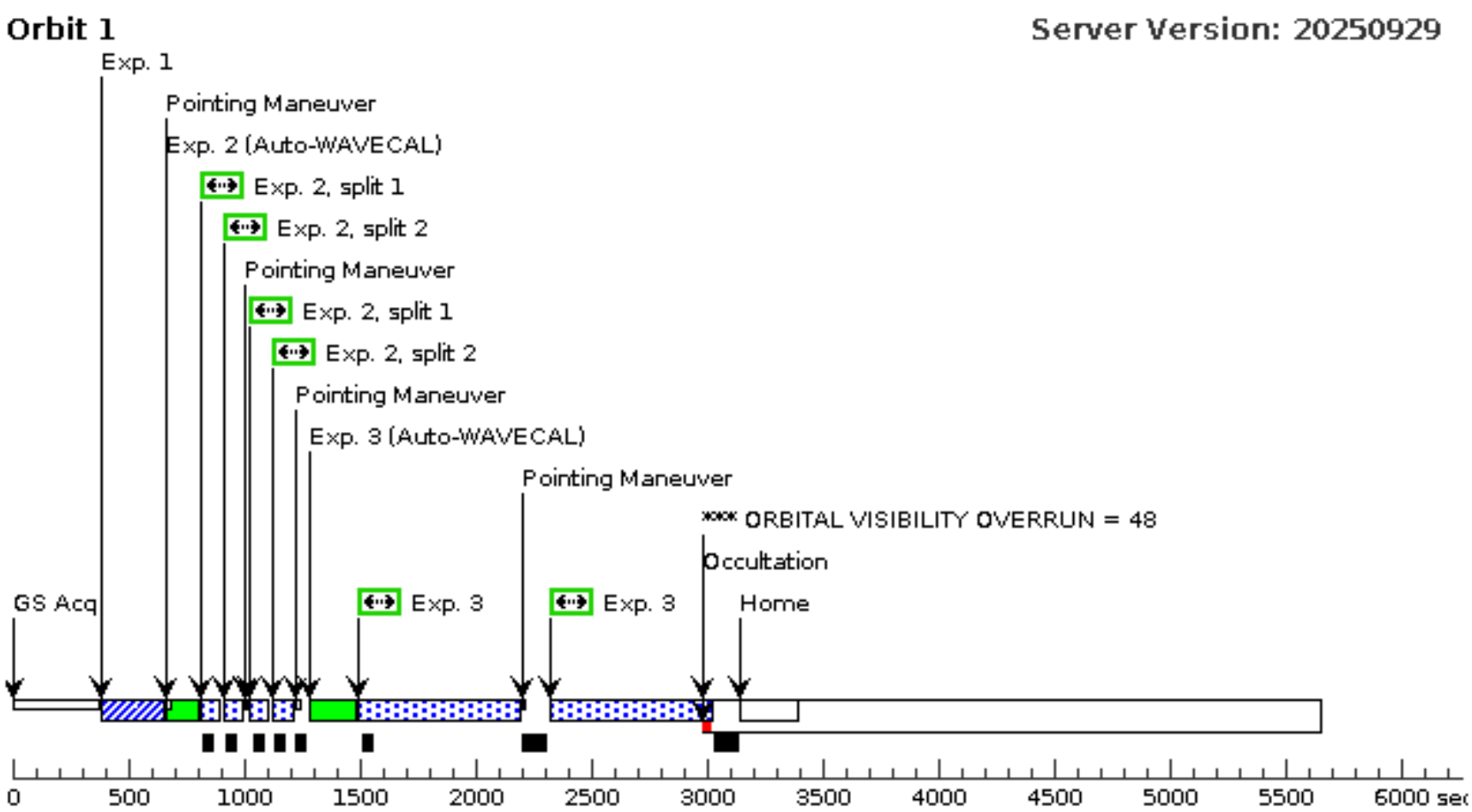
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	SDSSJ100402.61+285535.3	RA: 10 04 2.6102 (151.0108758d) Dec: +28 55 35.33 (28.92648d) Equinox: J2000	Proper Motion RA: -1.5233898063796222E-7 sec of time/yr Proper Motion Dec: -2.5000008463393897E-5 arcsec/yr Epoch of Position: 2015.5	V=15.7	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891858)	(1) SDSSJ100402.61+285535.3	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			10 Secs (10 Secs) *[==>]*	***[1]***
2	CCD430L (1891625)	(1) SDSSJ100402.61+285535.3	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in SDSSJ100402 (51) (1)	100 Secs (200 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]*	***[1]***
3	NUVG230L (1891606)	(1) SDSSJ100402.61+285535.3	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 1, Exps 3-3 in SDSSJ100402 (51) (1)	683 Secs (1366 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]*	***[1]***

Orbit Structure



Visit

Proposal 17511, SDSSJ075051 (02), failed Fri Feb 20 18:00:31 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(SDSSJ075051 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(SDSSJ075051 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(3)
(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(2)

Fixed Targets

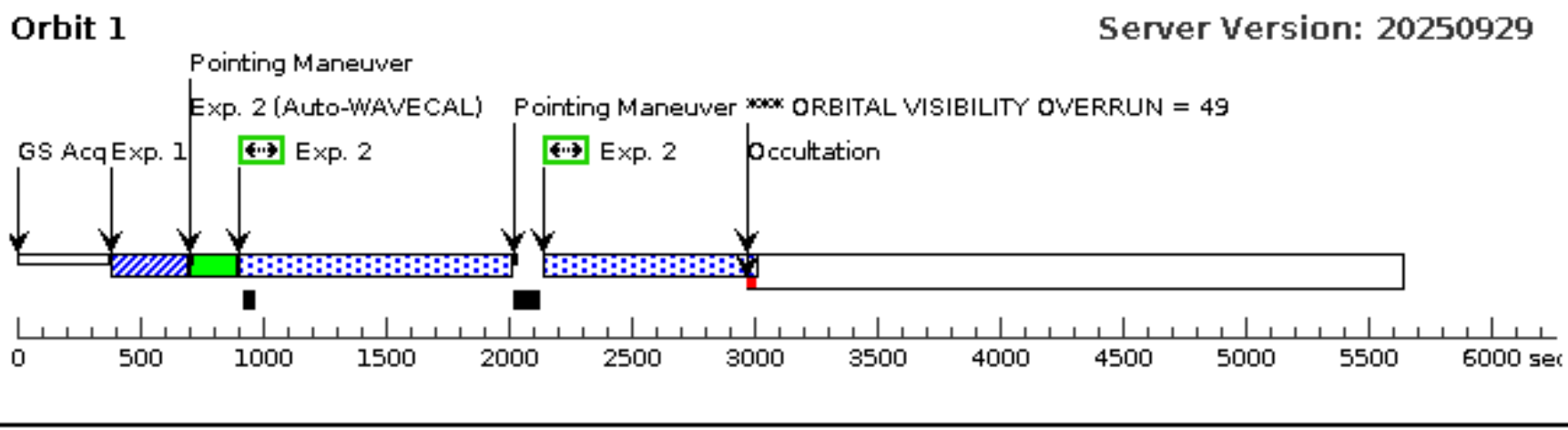
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	SDSSJ075051.72+245409.3	RA: 07 50 51.7200 (117.7155000d) Dec: +24 54 9.35 (24.90260d) Equinox: J2000	Proper Motion RA: -5.880029544155135E-7 sec of time/yr Proper Motion Dec: -8.900001375877764E-5 arcsec/yr Epoch of Position: 2015.5	V=17.2	Reference Frame: ICRS

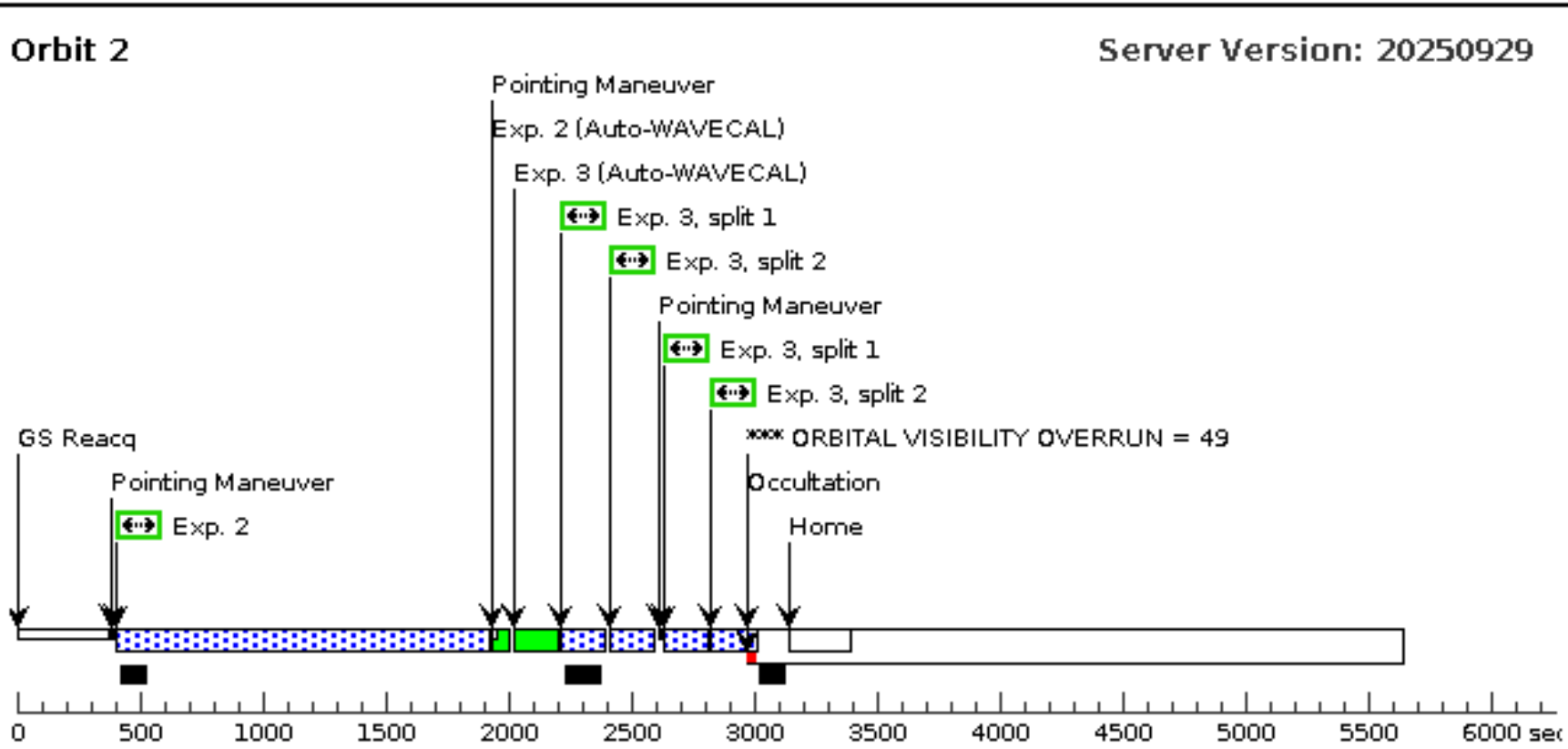
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891857)	(2) SDSSJ075051.72+245409.3	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			20 Secs (20 Secs) *[==>]*	 ***[1]***
2	NUVG230L (1889184)	(2) SDSSJ075051.72+245409.3	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 2, Exps 2-2 in SDSSJ075051 (02) (2)	1188 Secs (3466 Secs) *[==>1100.0 Secs (Pattern 1)]* *[==>858.0 Secs (Pattern 2)]* *[==>1508.0 Secs (Pattern 3)]*	 ***[1]*** ***[2]***
3	CCD430L (1891626)	(2) SDSSJ075051.72+245409.3	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 1, Exps 3-3 in SDSSJ075051 (02) (1)	300 Secs (600 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]*	 ***[2]***

Orbit Structure





Visit

Proposal 17511, SDSSJ075051 (52), completed Fri Feb 20 18:00:31 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: (none)

Comments: Repeat of second orbit of visit 02

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=2	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

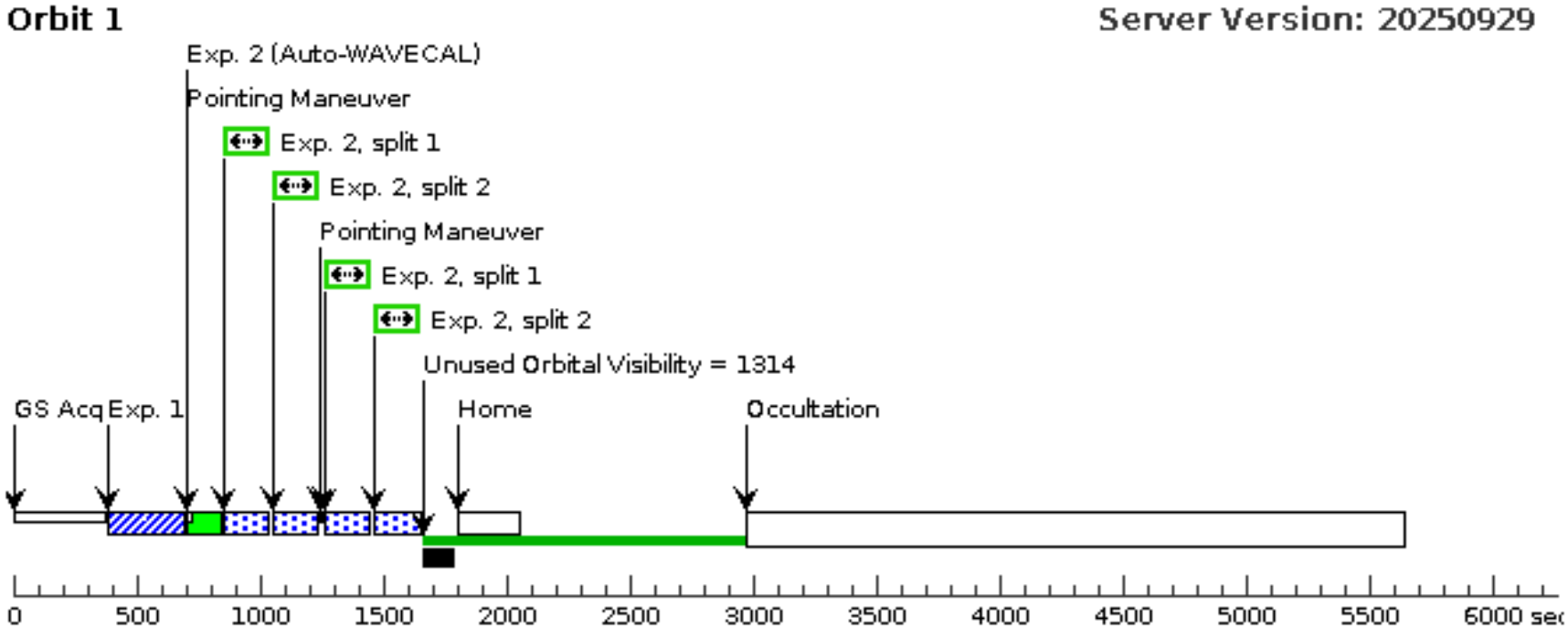
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	SDSSJ075051.72+245409.3	RA: 07 50 51.7200 (117.7155000d) Dec: +24 54 9.35 (24.90260d) Equinox: J2000	Proper Motion RA: -5.880029544155135E-7 sec of time/yr Proper Motion Dec: -8.900001375877764E-5 arcsec/yr Epoch of Position: 2015.5	V=17.2	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891857)	(2) SDSSJ075051.72+245409.3	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			20 Secs (20 Secs) *[==>]*	 ***[1]***
2	CCD430L (1891626)	(2) SDSSJ075051.72+245409.3	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in SDSSJ075051 (52) (1)	300 Secs (600 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]*	 ***[1]***

Orbit Structure



Visit

Proposal 17511, SDSSJ080101 (03), completed Fri Feb 20 18:00:31 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(SDSSJ080101 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(SDSSJ080101 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(2)
(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(3)

Fixed Targets

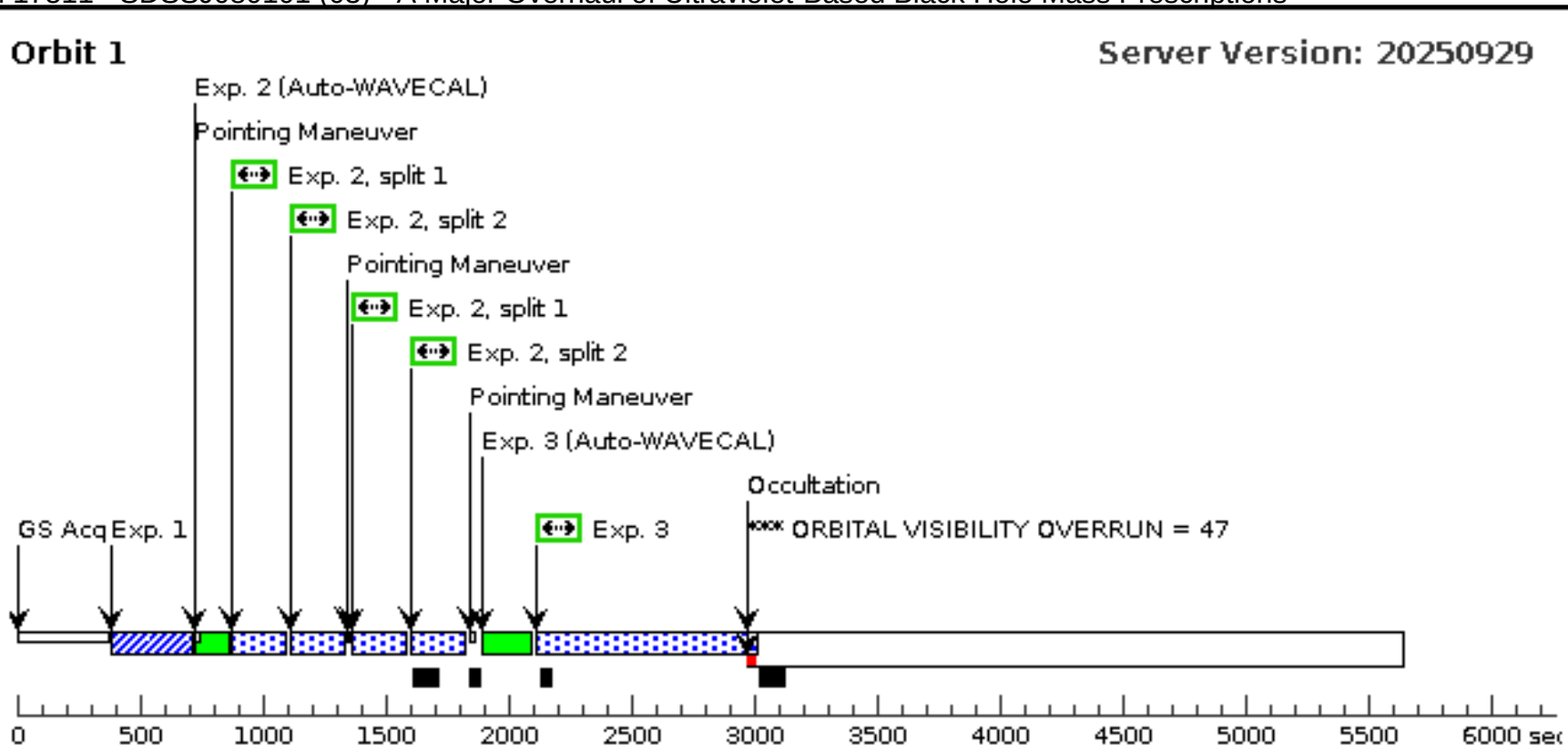
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	SDSSJ080101.41+184840.7	RA: 08 01 1.4078 (120.2558658d) Dec: +18 48 40.85 (18.81135d) Equinox: J2000	Proper Motion RA: 5.070857775023197E-6 sec of time/yr Proper Motion Dec: 3.8E-5 arcsec/yr Epoch of Position: 2015.5	V=16.88	Reference Frame: ICRS

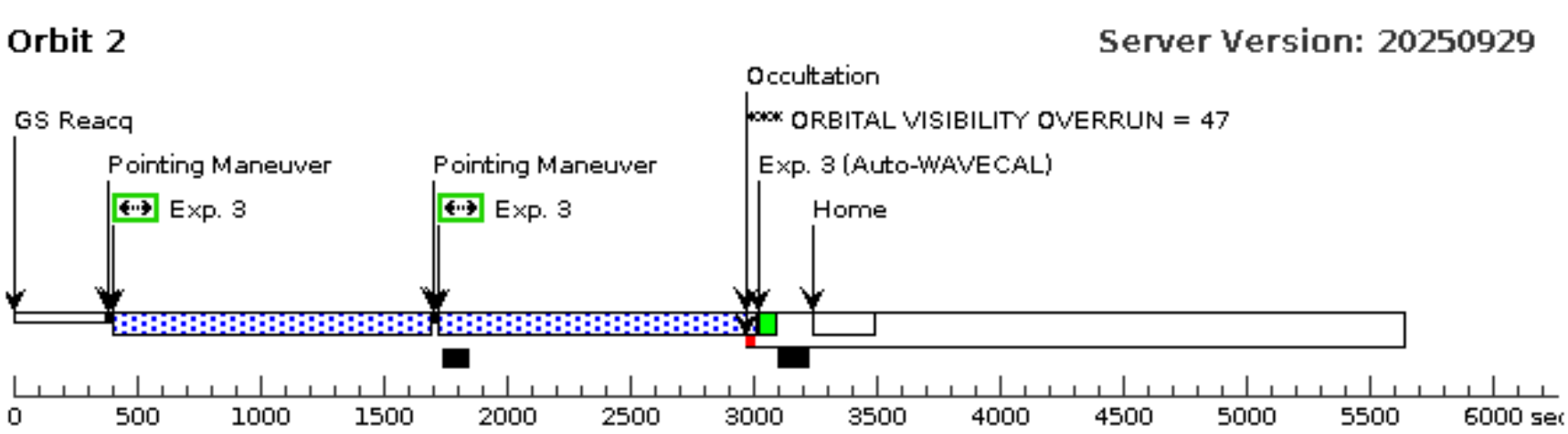
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891854)	(3) SDSSJ080101.41+184840.7	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			25 Secs (25 Secs) *[==>]*	 ***[1]***
2	CCD430L (1891627)	(3) SDSSJ080101.41+184840.7	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in SDSSJ080101 (03) (1)	378 Secs (756 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]*	 ***[1]***
3	NUVG230L (1891604)	(3) SDSSJ080101.41+184840.7	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 2, Exps 3-3 in SDSSJ080101 (03) (2)	1100 Secs (3430 Secs) *[==>883.0 Secs (Pattern 1)]* *[==>1274.0 Secs (Pattern 2)]* *[==>1273.0 Secs (Pattern 3)]*	 ***[1]*** ***[2]***

Orbit Structure





Visit

Proposal 17511, SDSSJ074352 (04), completed Fri Feb 20 18:00:31 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(SDSSJ074352 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2), (3)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=2	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

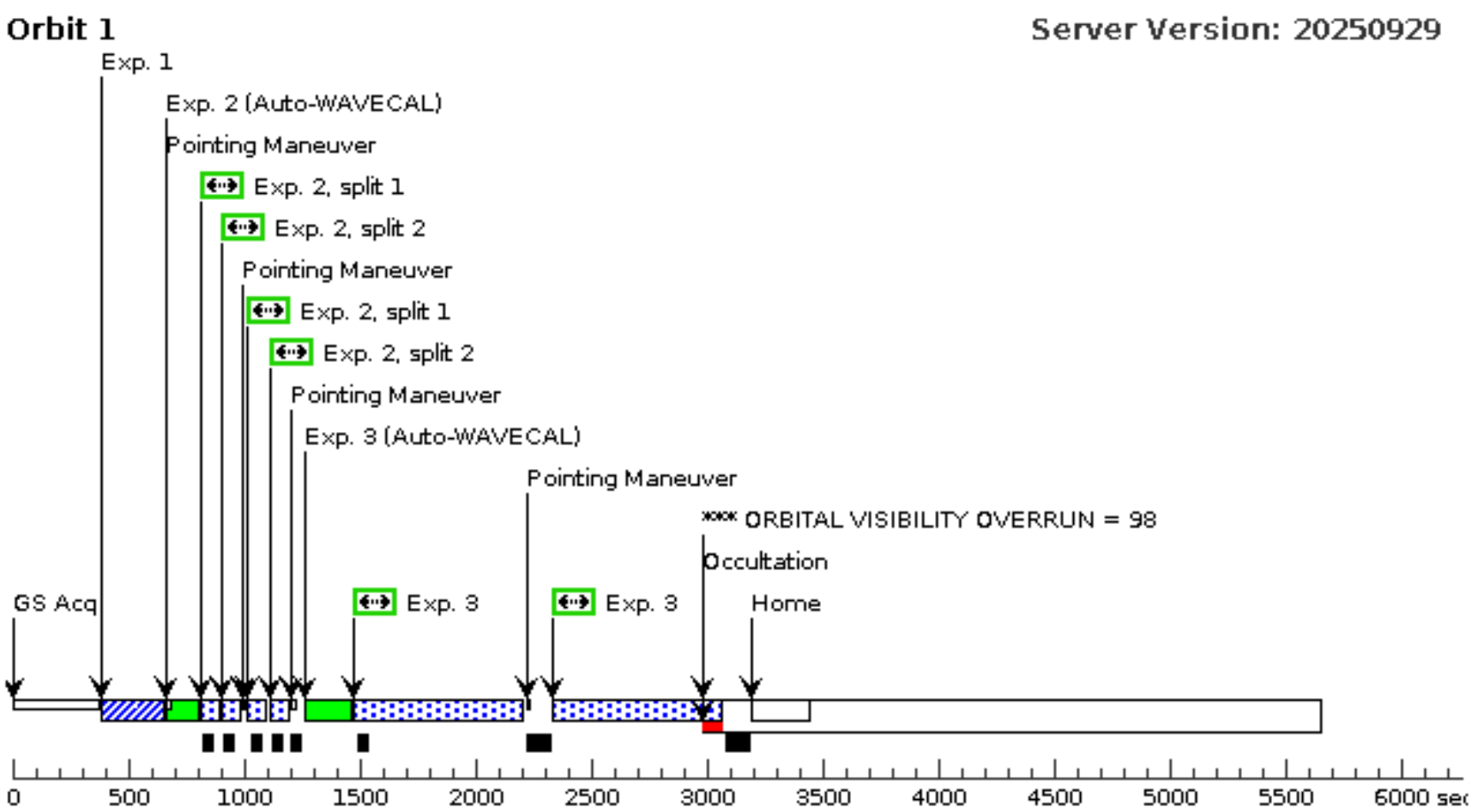
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	SDSSJ074352.02+271239.5	RA: 07 43 52.0264 (115.9667767d) Dec: +27 12 39.51 (27.21097d) Equinox: J2000	Proper Motion RA: -2.9985159974465303E-7 sec of time/yr Proper Motion Dec: -8.999904821394011E-6 arcsec/yr Epoch of Position: 2015.5	V=15.9	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891853)	(4) SDSSJ074352.02+271239.5	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			10 Secs (10 Secs) *[==>]*	 ***[1]***
2	CCD430L (1891628)	(4) SDSSJ074352.02+271239.5	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in SDSSJ074352 (04) (1)	90 Secs (180 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]*	 ***[1]***
3	NUVG230L (1891605)	(4) SDSSJ074352.02+271239.5	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 1, Exps 3-3 in SDSSJ074352 (04) (1)	718 Secs (1436 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]*	 ***[1]***

Orbit Structure



Visit

Proposal 17511, SDSSJ101000 (05), completed Fri Feb 20 18:00:31 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(SDSSJ101000 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(SDSSJ101000 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(3)
(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(2)

Fixed Targets

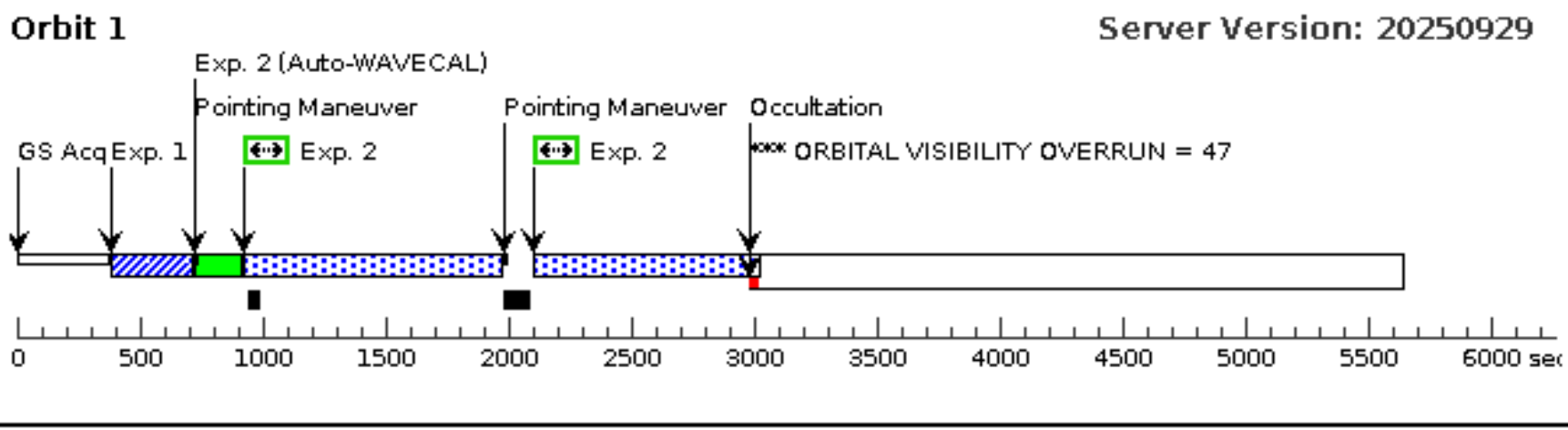
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	SDSSJ101000.68+300321.5	RA: 10 10 0.6873 (152.5028637d) Dec: +30 03 21.57 (30.05599d) Equinox: J2000	Proper Motion RA: 7.163188389426095E-6 sec of time/yr Proper Motion Dec: 1.3E-5 arcsec/yr Epoch of Position: 2015.5	V=17.0	Reference Frame: ICRS

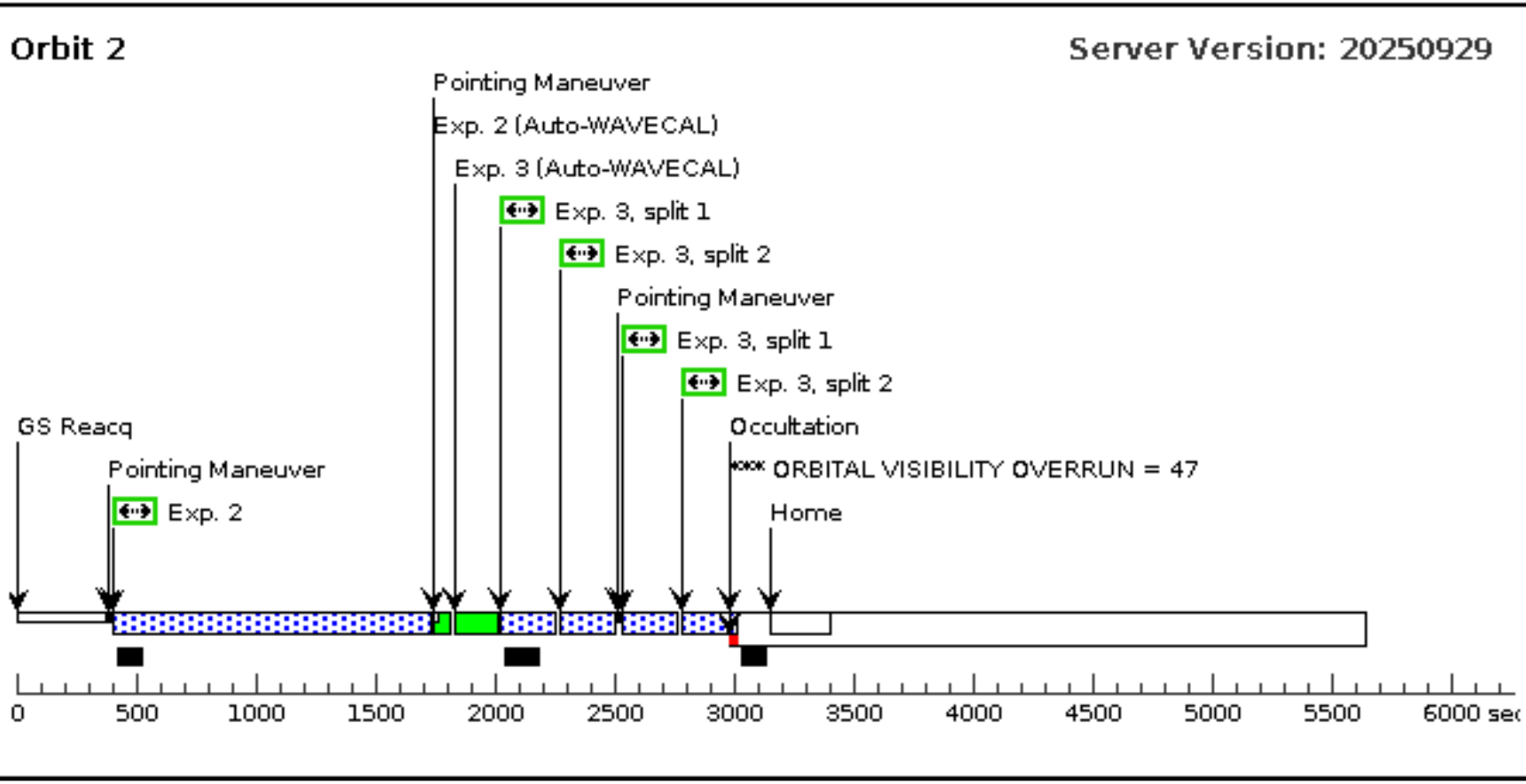
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891850)	(5) SDSSJ101000.68+300321.5	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			25 Secs (25 Secs) *[==>]*	 ***[1]***
2	NUVG230L (1891608)	(5) SDSSJ101000.68+300321.5	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 2, Exps 2-2 in SDSSJ101000 (05) (2)	1100 Secs (3262 Secs) *[==>1038 Secs (Pattern 1)]* *[==>906.0 Secs (Pattern 2)]* *[==>1318.0 Secs (Pattern 3)]*	 ***[1]*** ***[2]***
3	CCD430L (1891629)	(5) SDSSJ101000.68+300321.5	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 1, Exps 3-3 in SDSSJ101000 (05) (1)	398 Secs (796 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]*	 ***[2]***

Orbit Structure





Visit

Proposal 17511, PG1404 (06), completed Fri Feb 20 18:00:31 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1404 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=2	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

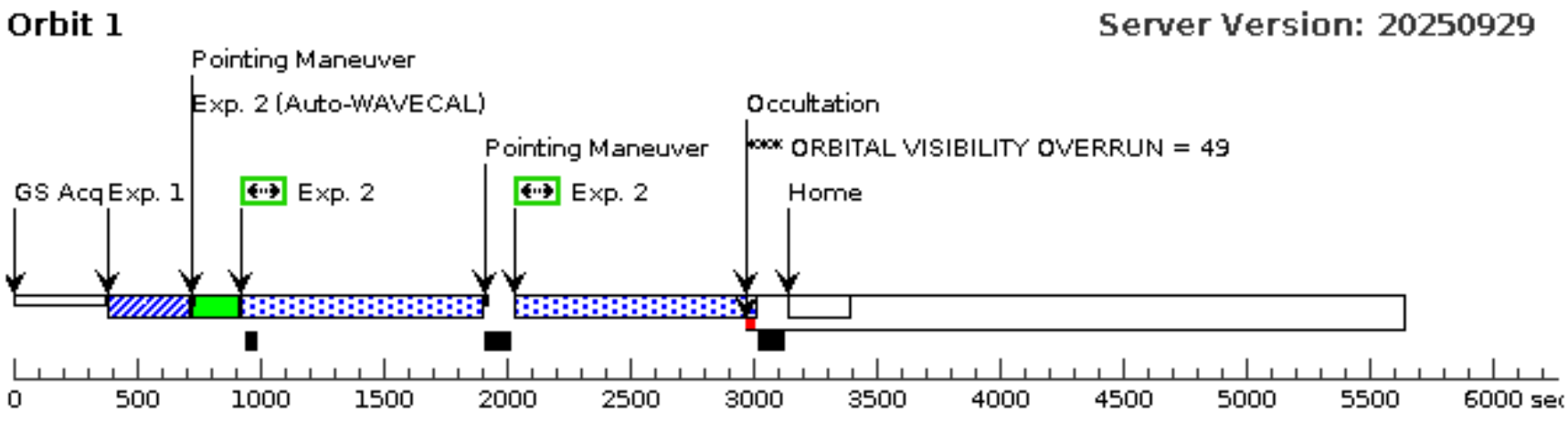
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	PG1404+226	RA: 14 06 21.8901 (211.5912087d) Dec: +22 23 46.51 (22.39625d) Equinox: J2000	Proper Motion RA: -7.210551768954993E-7 sec of time/yr Proper Motion Dec: -5.59999534743838E-5 arcsec/yr Epoch of Position: 2015.5	V=16.42	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891847)	(6) PG1404+226	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			25 Secs (25 Secs) *[==>]*	 ***[1]***
2	NUVG230L (1890344)	(6) PG1404+226	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 1, Exps 2-2 in PG1404 (06) (1)	969 Secs (1938 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]*	 ***[1]***

Orbit Structure



Visit

Proposal 17511, PG1448 (07), completed Fri Feb 20 18:00:31 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1448 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(PG1448 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2), (3)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=2	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

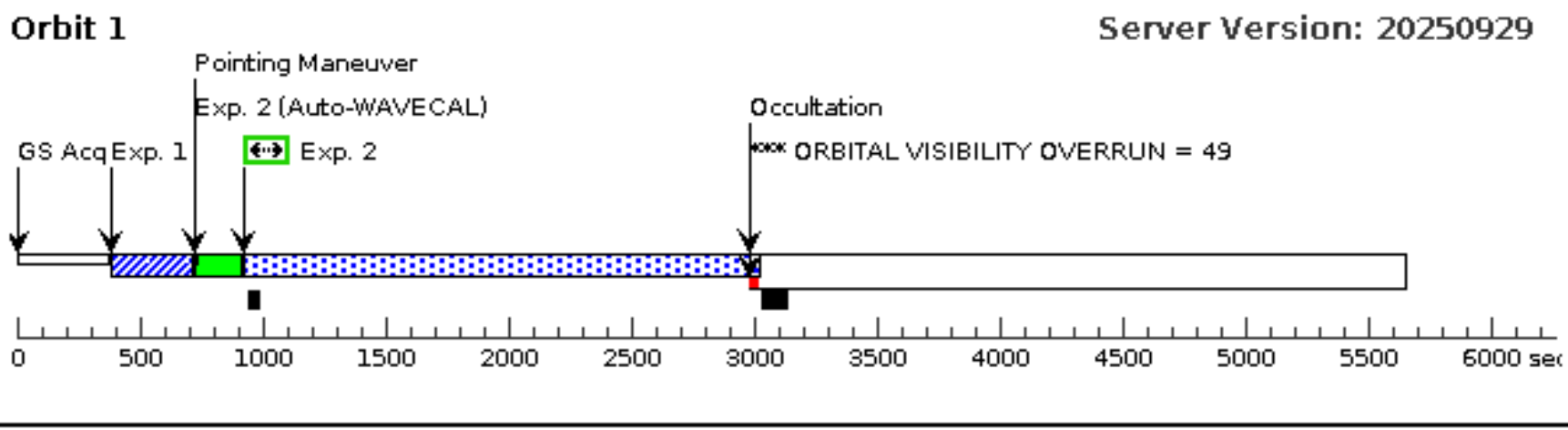
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	PG1448+273	RA: 14 51 8.7648 (222.7865200d) Dec: +27 09 26.96 (27.15749d) Equinox: J2000	Proper Motion RA: -2.5475169854850804E-6 sec of time/yr Proper Motion Dec: -3.0000092010595836E-5 arcsec/yr Epoch of Position: 2015.5	V=15.01	Reference Frame: ICRS

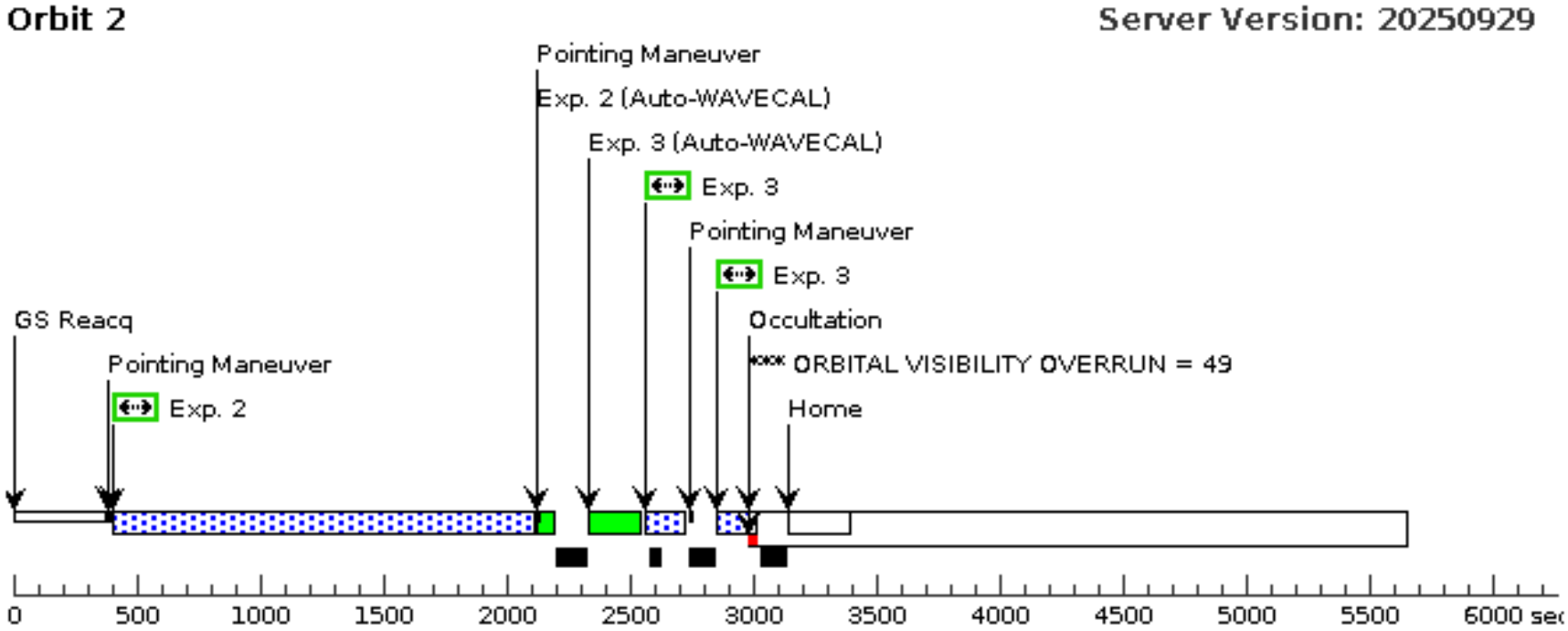
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891846)	(7) PG1448+273	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			25 Secs (25 Secs)	
								[==>]	***[1]***
2	FUVG140L (1891609)	(7) PG1448+273	STIS/FUV-MAMA, ACCUM, 52X0.2D1	G140L 1425 A		POS TARG 0,null	Pattern 1, Exps 2-2 in PG1448 (07) (1)	1975 Secs (3775 Secs)	
								[==>2083.0 Secs (Pattern 1)]	***[1]***
								[==>1692.0 Secs (Pattern 2)]	***[2]***
3	NUVG230L (1891610)	(7) PG1448+273	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 1, Exps 3-3 in PG1448 (07) (1)	150 Secs (300 Secs)	
								[==>(Pattern 1)] *[==>(Pattern 2)]*	***[2]***

Orbit Structure





Visit

Proposal 17511, PG1402 (08), completed Fri Feb 20 18:00:31 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1402 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2), (3)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=2	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

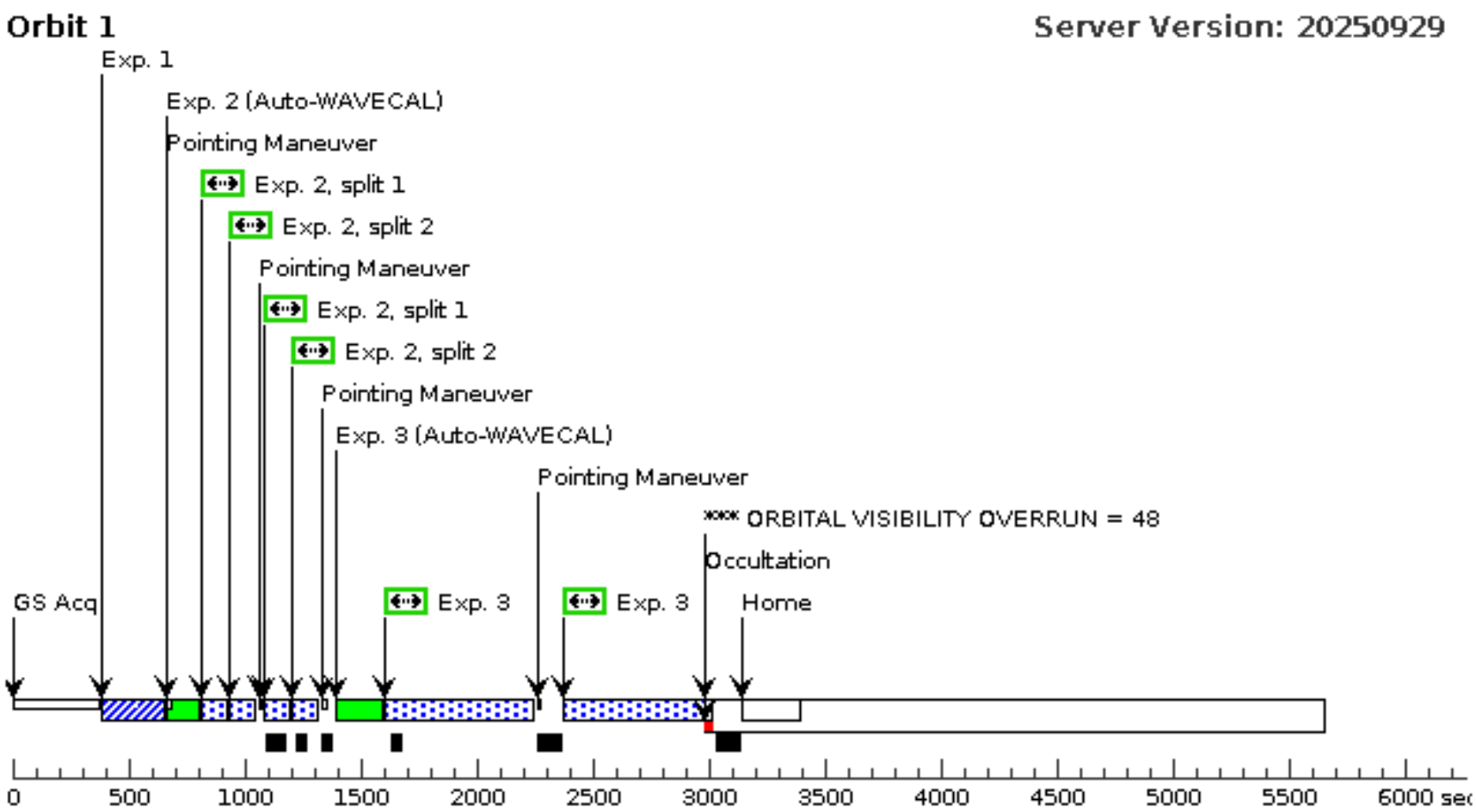
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	PG1402+261	RA: 14 05 16.2179 (211.3175746d) Dec: +25 55 34.12 (25.92614d) Equinox: J2000	Proper Motion RA: -5.188884424711411E-7 sec of time/yr Proper Motion Dec: -1.5000046005297918E-5 arcsec/yr Epoch of Position: 2015.5	V=15.34	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891841)	(8) PG1402+261	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			10 Secs (10 Secs) *[==>]*	*[1]*
2	CCD430L (1891630)	(8) PG1402+261	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in PG1402 (08) (1)	156 Secs (312 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]*	*[1]*
3	NUVG230L (1891611)	(8) PG1402+261	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 1, Exps 3-3 in PG1402 (08) (1)	627 Secs (1254 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]*	*[1]*

Orbit Structure



Visit

Proposal 17511, PG1322 (09), completed Fri Feb 20 18:00:31 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1322 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2), (3)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=2	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

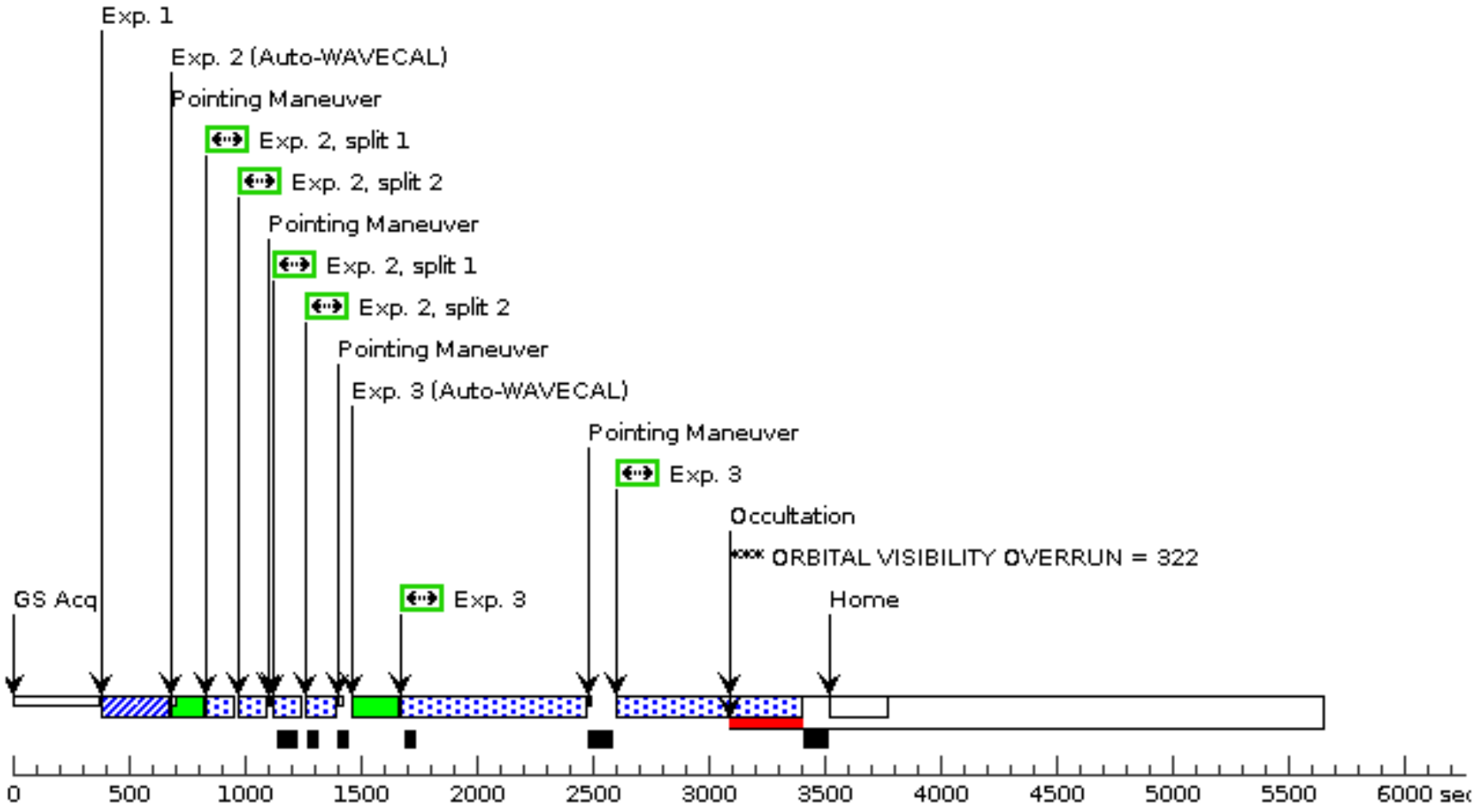
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	PG1322+659	RA: 13 23 49.5184 (200.9563267d) Dec: +65 41 48.16 (65.69671d) Equinox: J2000	Proper Motion RA: 1.2958613774130763E-5 sec of time/yr Proper Motion Dec: -1.6999956642393954E-5 arcsec/yr Epoch of Position: 2015.5	V=15.84	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891838)	(9) PG1322+659	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			15 Secs (15 Secs) *[==>]*	 ***[1]***
2	CCD430L (1891631)	(9) PG1322+659	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in PG1322 (09) (1)	180 Secs (360 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]*	 ***[1]***
3	NUVG230L (1891612)	(9) PG1322+659	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 1, Exps 3-3 in PG1322 (09) (1)	785 Secs (1569 Secs) *[==>(Pattern 1)]* *[==>784.0 Secs (Pattern 2)]*	 ***[1]***

Orbit Structure



Visit

Proposal 17511, PG1552 (10), completed Fri Feb 20 18:00:31 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1552 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(PG1552 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(2)
(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(3)

Fixed Targets

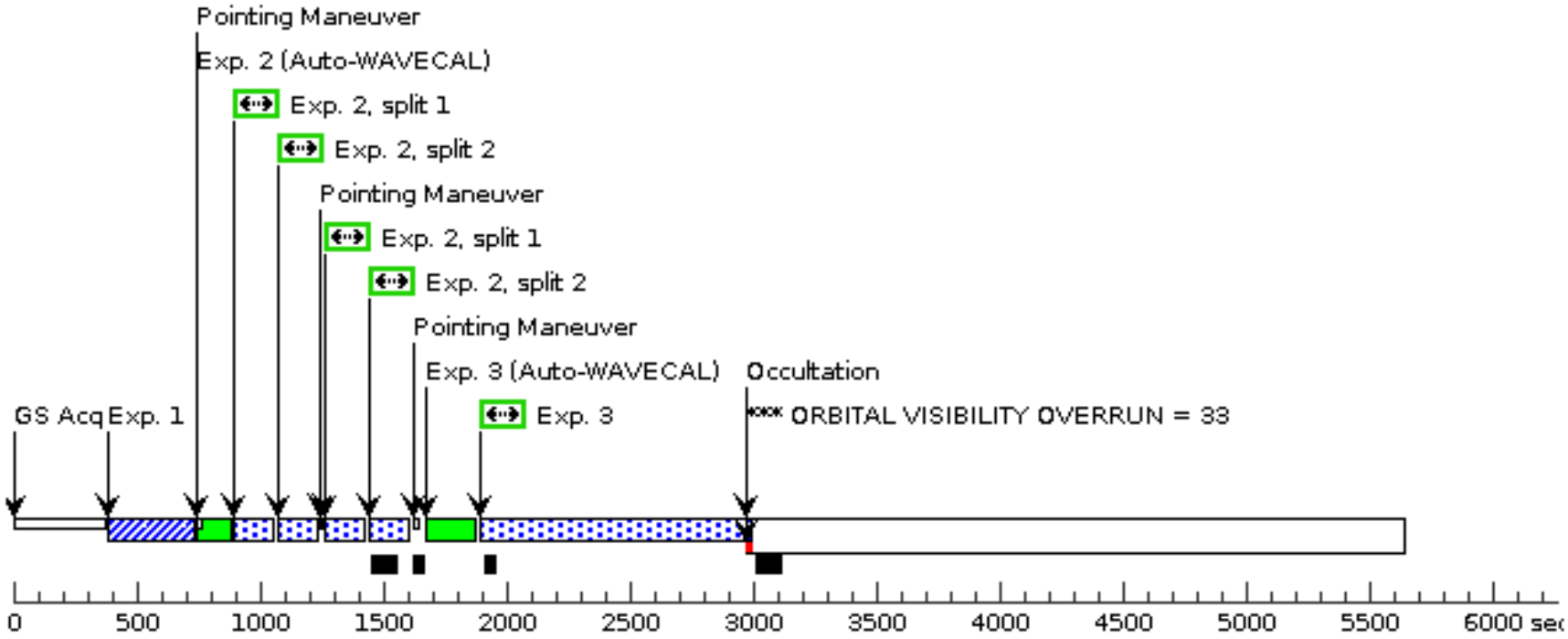
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	PG1552+085	RA: 15 54 44.5798 (238.6857492d) Dec: +08 22 21.41 (8.37261d) Equinox: J2000	Proper Motion RA: -1.0107727730791497E-6 sec of time/yr Proper Motion Dec: 2.6E-5 arcsec/yr Epoch of Position: 2015.5	V=16.16	Reference Frame: ICRS

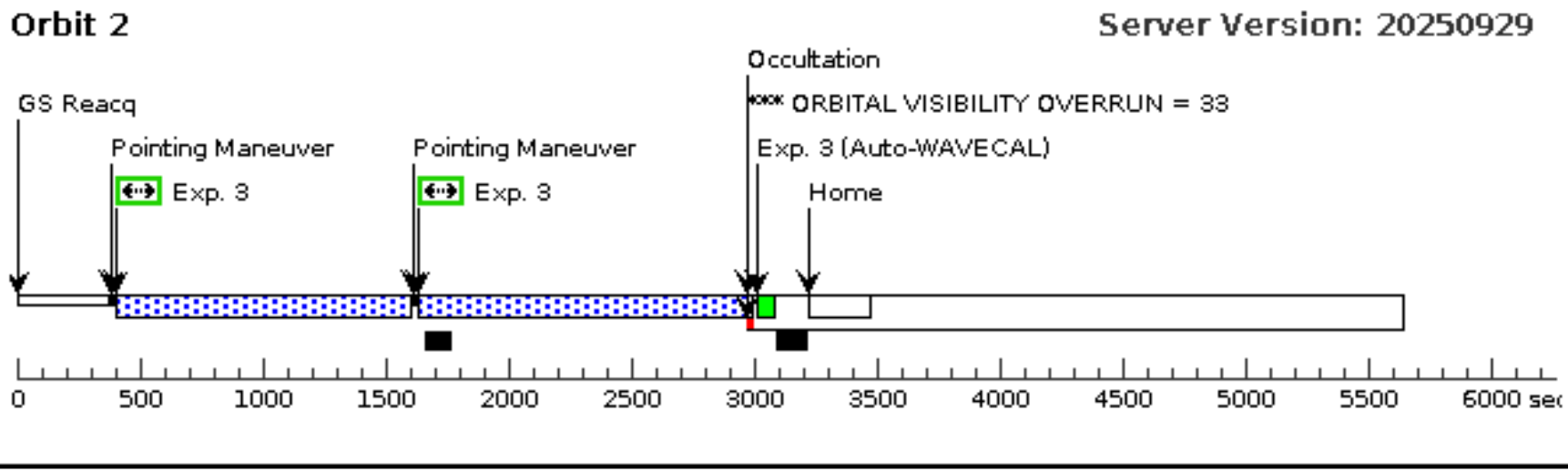
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891837)	(10) PG1552+085	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			30 Secs (30 Secs) *[==>]*	 ***[1]***
2	CCD430L (1891632)	(10) PG1552+085	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in PG1552 (10) (1)	258 Secs (516 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]*	 ***[1]***
3	NUVG230L (1891613)	(10) PG1552+085	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 2, Exps 3-3 in PG1552 (10) (2)	1250 Secs (3624 Secs) *[==>1090.0 Secs (Pattern 1)]* *[==>1190.0 Secs (Pattern 2)]* *[==>1344.0 Secs (Pattern 3)]*	 ***[1]*** ***[2]***

Orbit Structure





Visit

Proposal 17511, PG1440 (11), completed Fri Feb 20 18:00:31 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1440 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(3)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=2	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

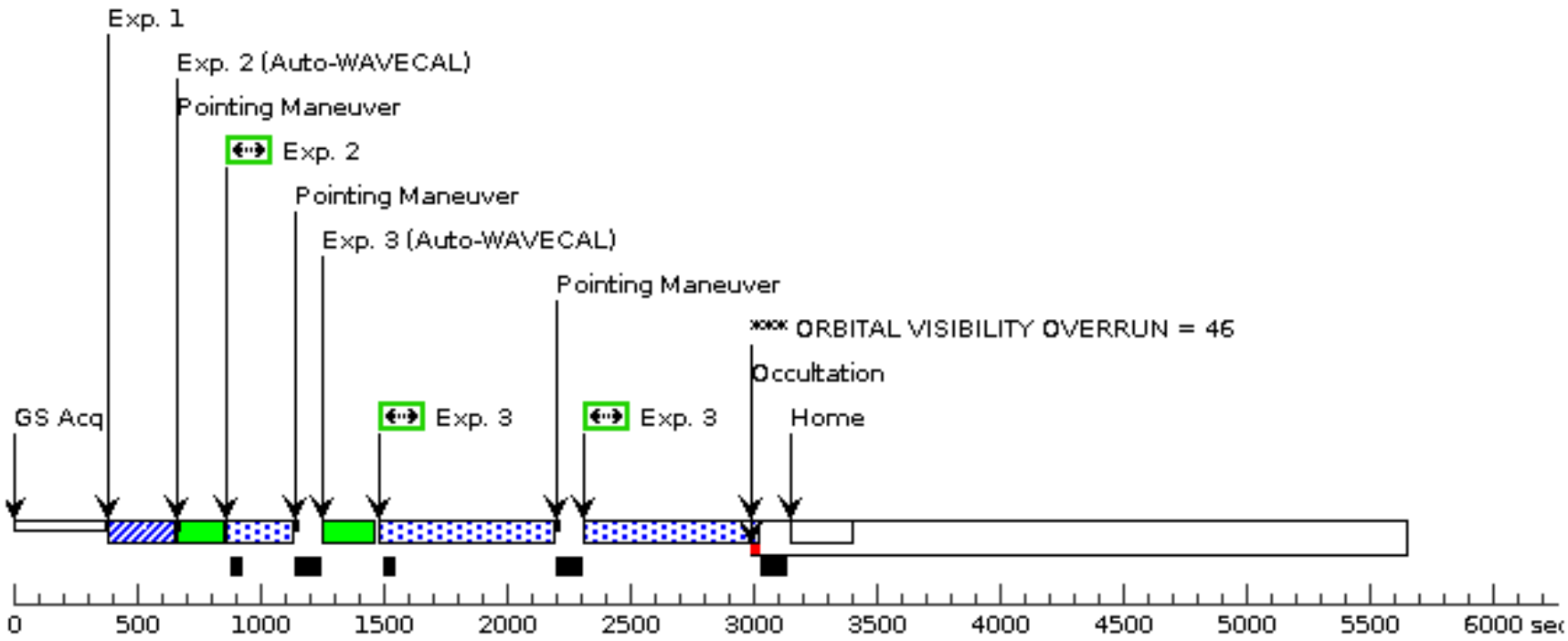
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	PG1440+356	RA: 14 42 7.4715 (220.5311312d) Dec: +35 26 22.94 (35.43971d) Equinox: J2000	Proper Motion RA: 4.418662547096705E-6 sec of time/yr Proper Motion Dec: -1.5000046005297918E-5 arcsec/yr Epoch of Position: 2015.5	V=14.58	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891836)	(11) PG1440+356	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			10 Secs (10 Secs) *[==>]*	***[1]***
2	NUV230L (1891616)	(11) PG1440+356	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				255 Secs (255 Secs) *[==>]*	***[1]***
3	FUV140L (1891615)	(11) PG1440+356	STIS/FUV-MAMA, ACCUM, 52X0.2D1	G140L 1425 A		POS TARG 0,null	Pattern 1, Exps 3-3 in PG1440 (11) (1)	693 Secs (1386 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]*	***[1]***

Orbit Structure



Visit

Proposal 17511, MRK142 (12), completed Fri Feb 20 18:00:32 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(MRK142 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(MRK142 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(3)
(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(2)

Fixed Targets

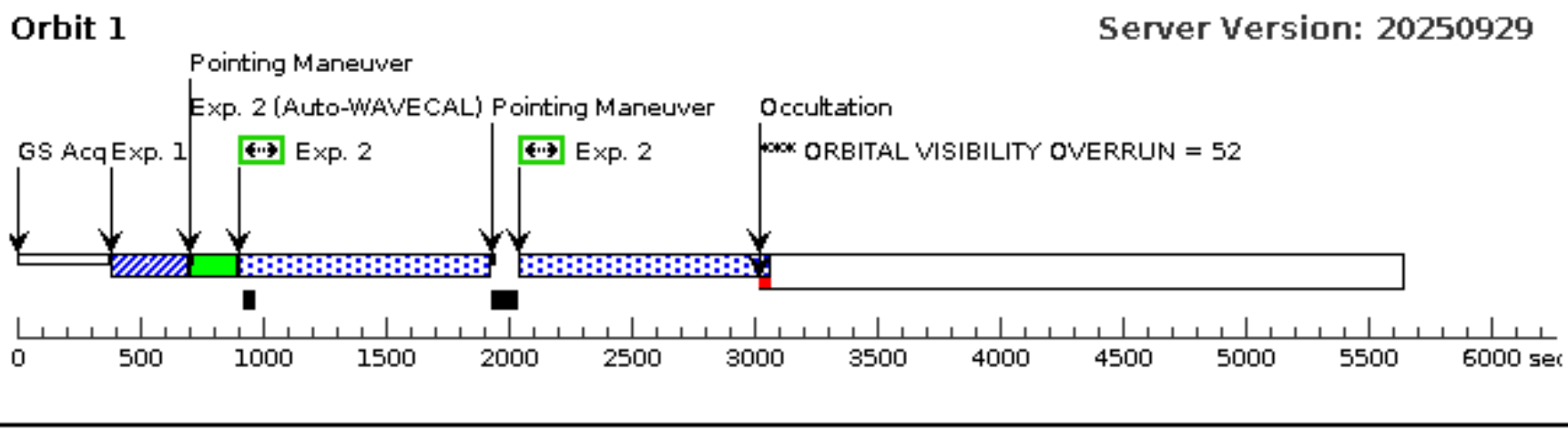
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	MRK-142	RA: 10 25 31.2788 (156.3803283d) Dec: +51 40 34.87 (51.67635d) Equinox: J2000	Proper Motion RA: 4.730397806736316E-6 sec of time/yr Proper Motion Dec: -8.300007721118163E-5 arcsec/yr Epoch of Position: 2015.5	V=16.12	Reference Frame: ICRS

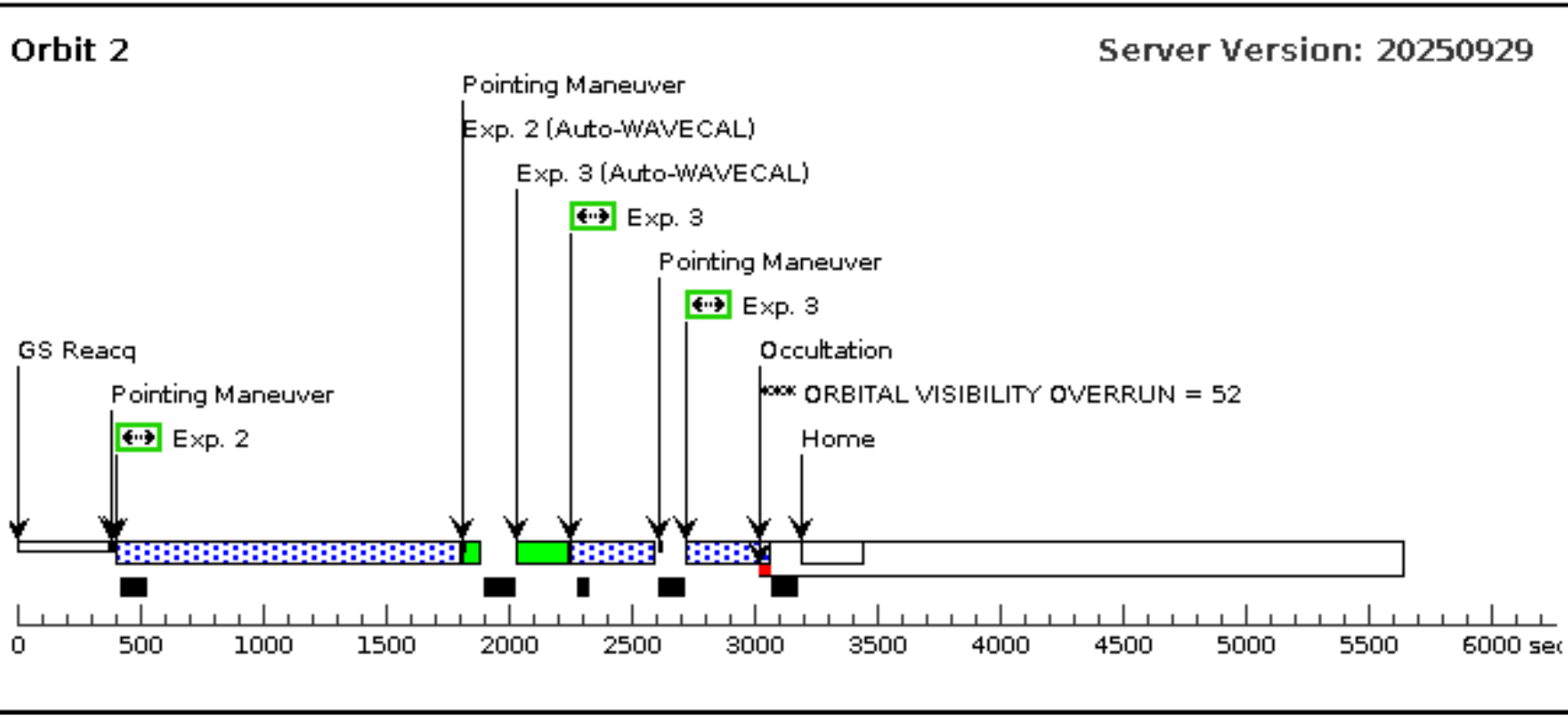
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891835)	(12) MRK-142	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			20 Secs (20 Secs) *[==>]*	*[1]*
2	FUV140L (1891617)	(12) MRK-142	STIS/FUV-MAMA, ACCUM, 52X0.2D1	G140L 1425 A		POS TARG 0,null	Pattern 2, Exps 2-2 in MRK142 (12) (2)	1004 Secs (3396 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>1388.0 Secs (Pattern 3)]*	*[1]* *[2]*
3	NUV230L (1891618)	(12) MRK-142	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 1, Exps 3-3 in MRK142 (12) (1)	325 Secs (650 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]*	*[2]*

Orbit Structure





Visit

Proposal 17511, PG1415 (13), failed Fri Feb 20 18:00:32 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1415 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(PG1415 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(2)
(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(3)

Fixed Targets

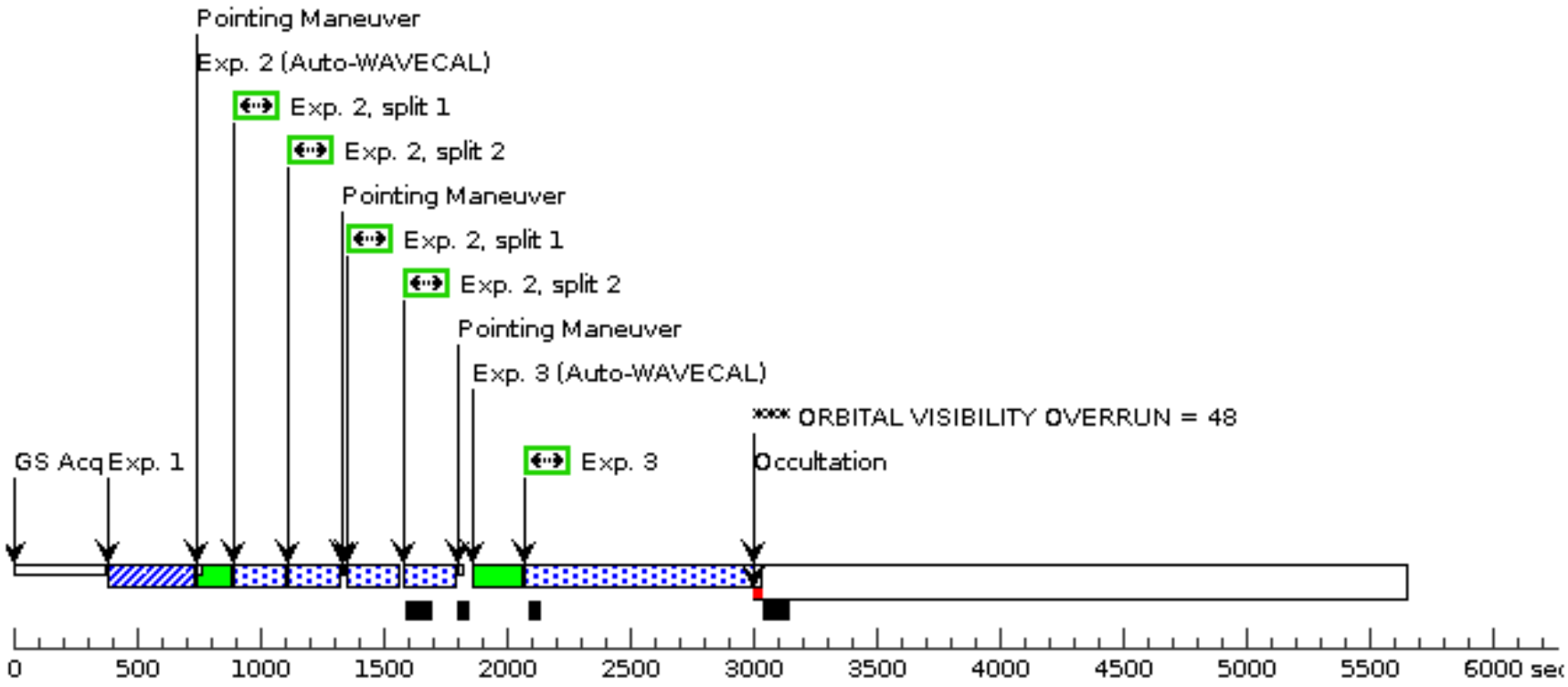
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	PG1415+451	RA: 14 17 0.8224 (214.2534267d) Dec: +44 56 6.34 (44.93509d) Equinox: J2000	Proper Motion RA: -7.3455939810184125E-6 sec of time/yr Proper Motion Dec: 1.36E-4 arcsec/yr Epoch of Position: 2015.5	V=16.63	Reference Frame: ICRS

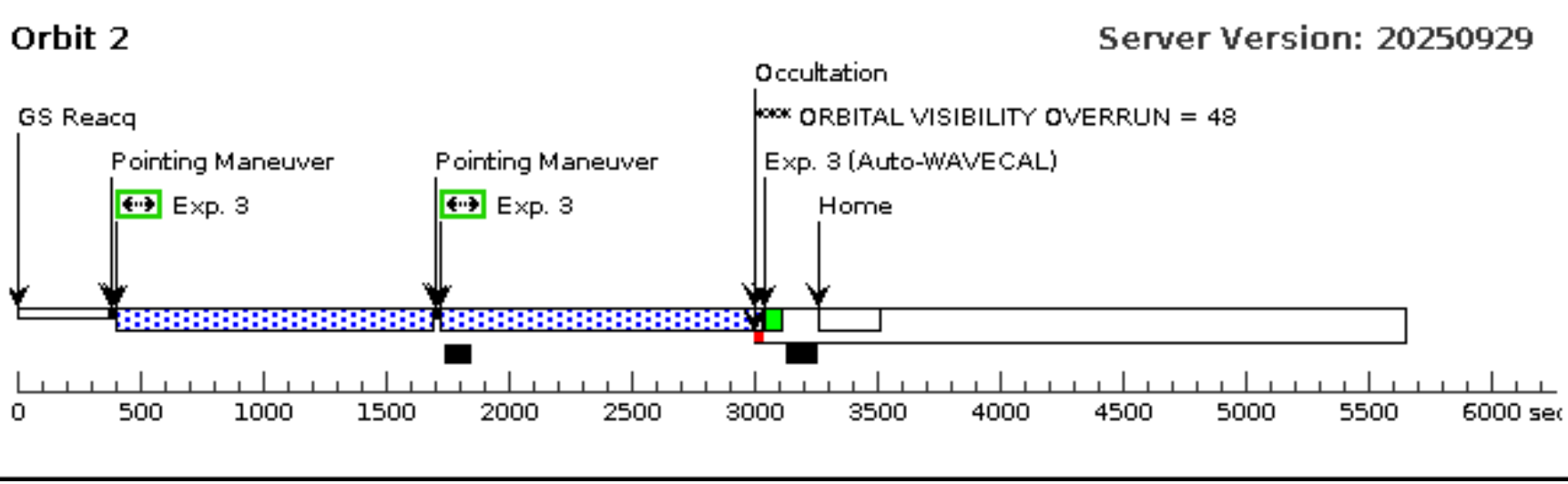
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891833)	(13) PG1415+451	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			30 Secs (30 Secs) *[==>]*	 ***[1]***
2	CCD430L (1891620)	(13) PG1415+451	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in PG1415 (13) (1)	350 Secs (700 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]*	 ***[1]***
3	NUVG230L (1891619)	(13) PG1415+451	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 2, Exps 3-3 in PG1415 (13) (2)	1222 Secs (3518 Secs) *[==>945.0 Secs (Pattern 1)]* *[==>1275.0 Secs (Pattern 2)]* *[==>1298.0 Secs (Pattern 3)]*	 ***[1]*** ***[2]***

Orbit Structure





Visit

Proposal 17511, PG1415 (63), scheduled Fri Feb 20 18:00:32 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1415 (63)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=2	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

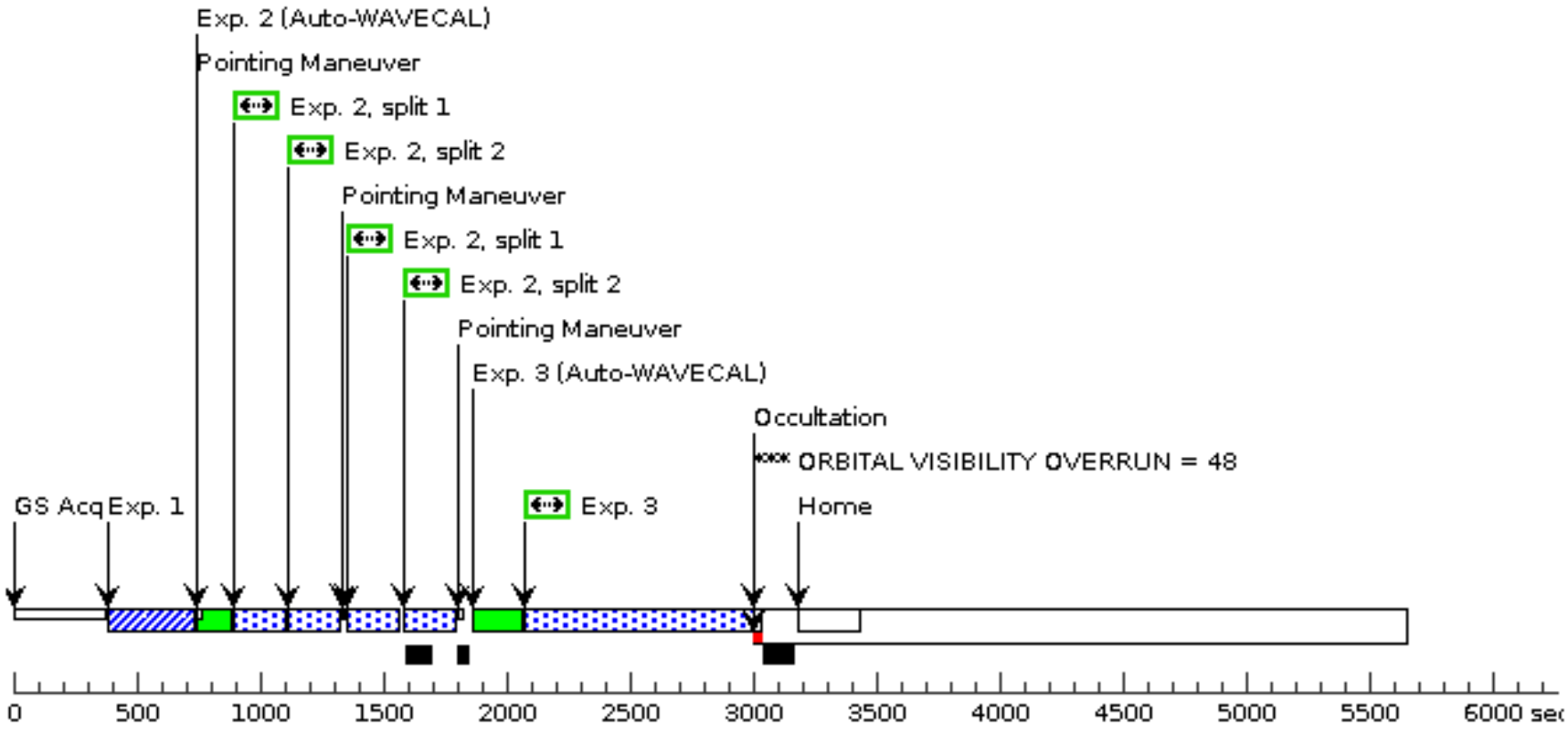
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	PG1415+451	RA: 14 17 0.8224 (214.2534267d) Dec: +44 56 6.34 (44.93509d) Equinox: J2000	Proper Motion RA: -7.3455939810184125E-6 sec of time/yr Proper Motion Dec: 1.36E-4 arcsec/yr Epoch of Position: 2015.5	V=16.63	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891833)	(13) PG1415+451	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			30 Secs (30 Secs) *[==>]*	***[1]***
2	CCD430L (1891620)	(13) PG1415+451	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in PG1415 (63) (1)	350 Secs (700 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]*	***[1]***
3	NUVG230L (1891619)	(13) PG1415+451	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				1222 Secs (945 Secs) *[==>945.0 Secs]*	***[1]***

Orbit Structure



Visit

Proposal 17511, PG1211 (14), failed Fri Feb 20 18:00:32 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1211 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(PG1211 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(2)
(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(3)

Fixed Targets

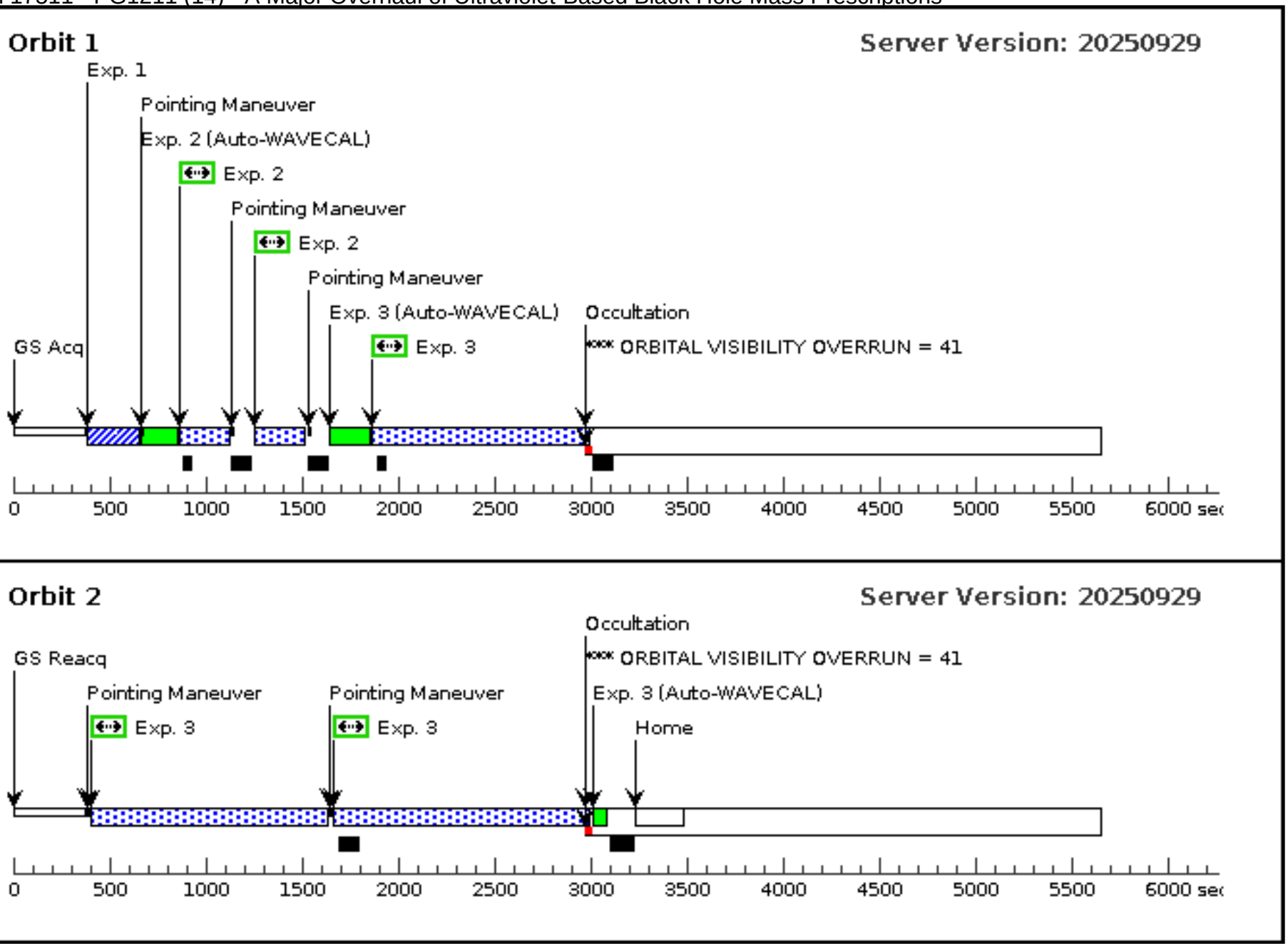
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(14)	PG1211+143	RA: 12 14 17.6700 (183.5736250d) Dec: +14 03 13.10 (14.05364d) Equinox: J2000	Proper Motion RA: 2.5427751774283756E-6 sec of time/yr Proper Motion Dec: 2.5E-5 arcsec/yr Epoch of Position: 2015.5	V=14.19	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891831)	(14) PG1211+143	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			10 Secs (10 Secs) *[==>]*	*[1]*
2	NUV230L (1891622)	(14) PG1211+143	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 1, Exps 2-2 in PG1211 (14) (1)	250 Secs (500 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]*	*[1]*
3	FUV140L (1891621)	(14) PG1211+143	STIS/FUV-MAMA, ACCUM, 52X0.2D1	G140L 1425 A		POS TARG 0,null	Pattern 2, Exps 3-3 in PG1211 (14) (2)	1200 Secs (3657 Secs) *[==>1118.0 Secs (Pattern 1)]* *[==>1220.0 Secs (Pattern 2)]* *[==>1319.0 Secs (Pattern 3)]*	*[1]* *[2]*

Orbit Structure



Visit

Proposal 17511, PG1211 (64), completed Fri Feb 20 18:00:32 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1211 (64)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(PG1211 (64)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(2)
(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(3)

Fixed Targets

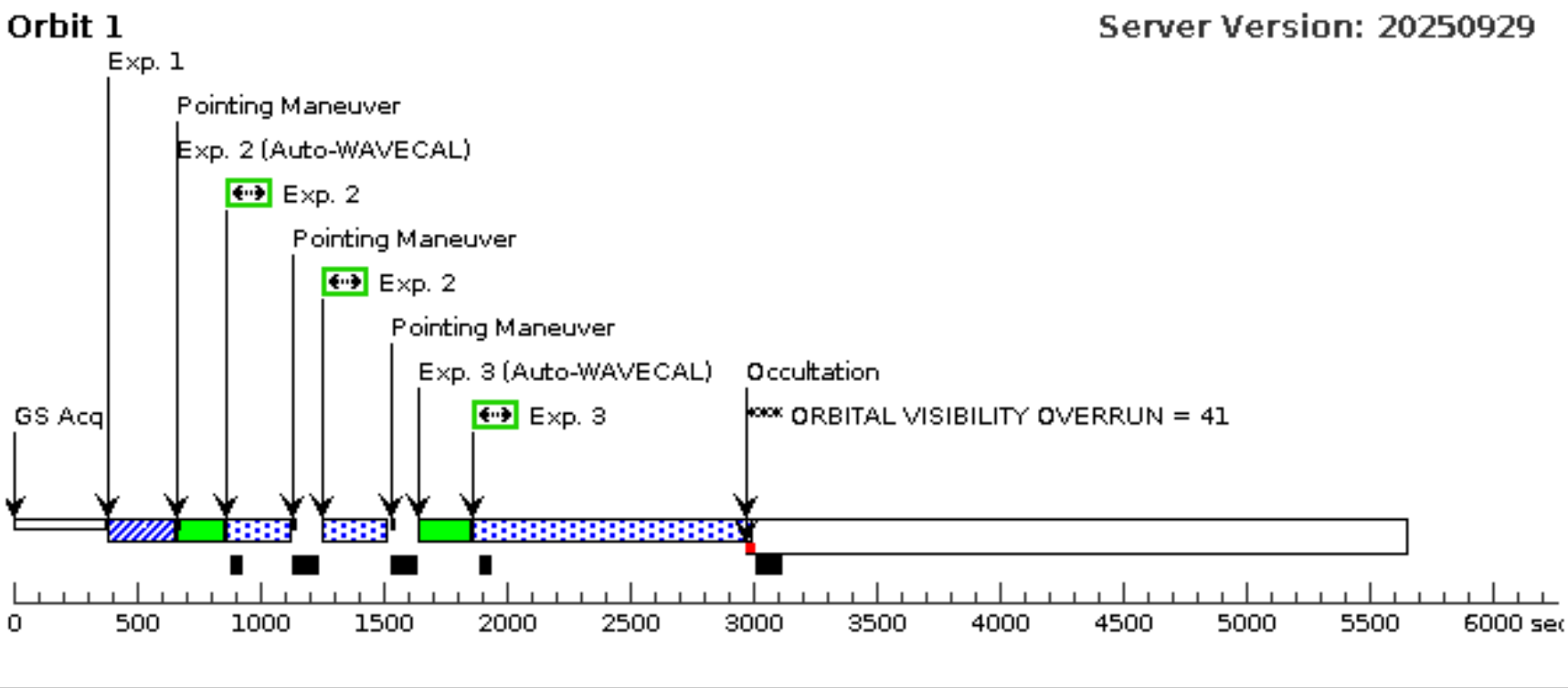
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(14)	PG1211+143	RA: 12 14 17.6700 (183.5736250d) Dec: +14 03 13.10 (14.05364d) Equinox: J2000	Proper Motion RA: 2.5427751774283756E-6 sec of time/yr Proper Motion Dec: 2.5E-5 arcsec/yr Epoch of Position: 2015.5	V=14.19	Reference Frame: ICRS

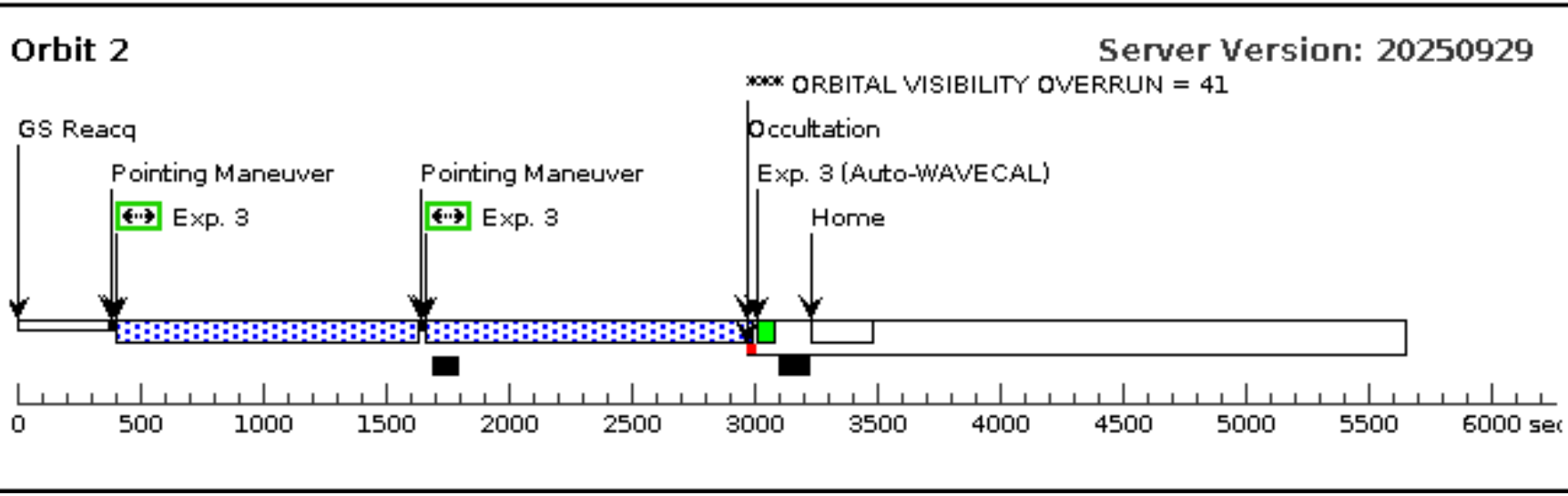
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891831)	(14) PG1211+143	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			10 Secs (10 Secs) *[==>]*	*[1]*
2	NUV230L (1891622)	(14) PG1211+143	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 1, Exps 2-2 in PG1211 (64) (1)	250 Secs (500 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]*	*[1]*
3	FUV140L (1891621)	(14) PG1211+143	STIS/FUV-MAMA, ACCUM, 52X0.2D1	G140L 1425 A		POS TARG 0,null	Pattern 2, Exps 3-3 in PG1211 (64) (2)	1200 Secs (3657 Secs) *[==>1118.0 Secs (Pattern 1)]* *[==>1220.0 Secs (Pattern 2)]* *[==>1319.0 Secs (Pattern 3)]*	*[1]* *[2]*

Orbit Structure





Visit

Proposal 17511, PG1519 (15), completed Fri Feb 20 18:00:32 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1519 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(PG1519 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(2)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2), (3)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=3	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

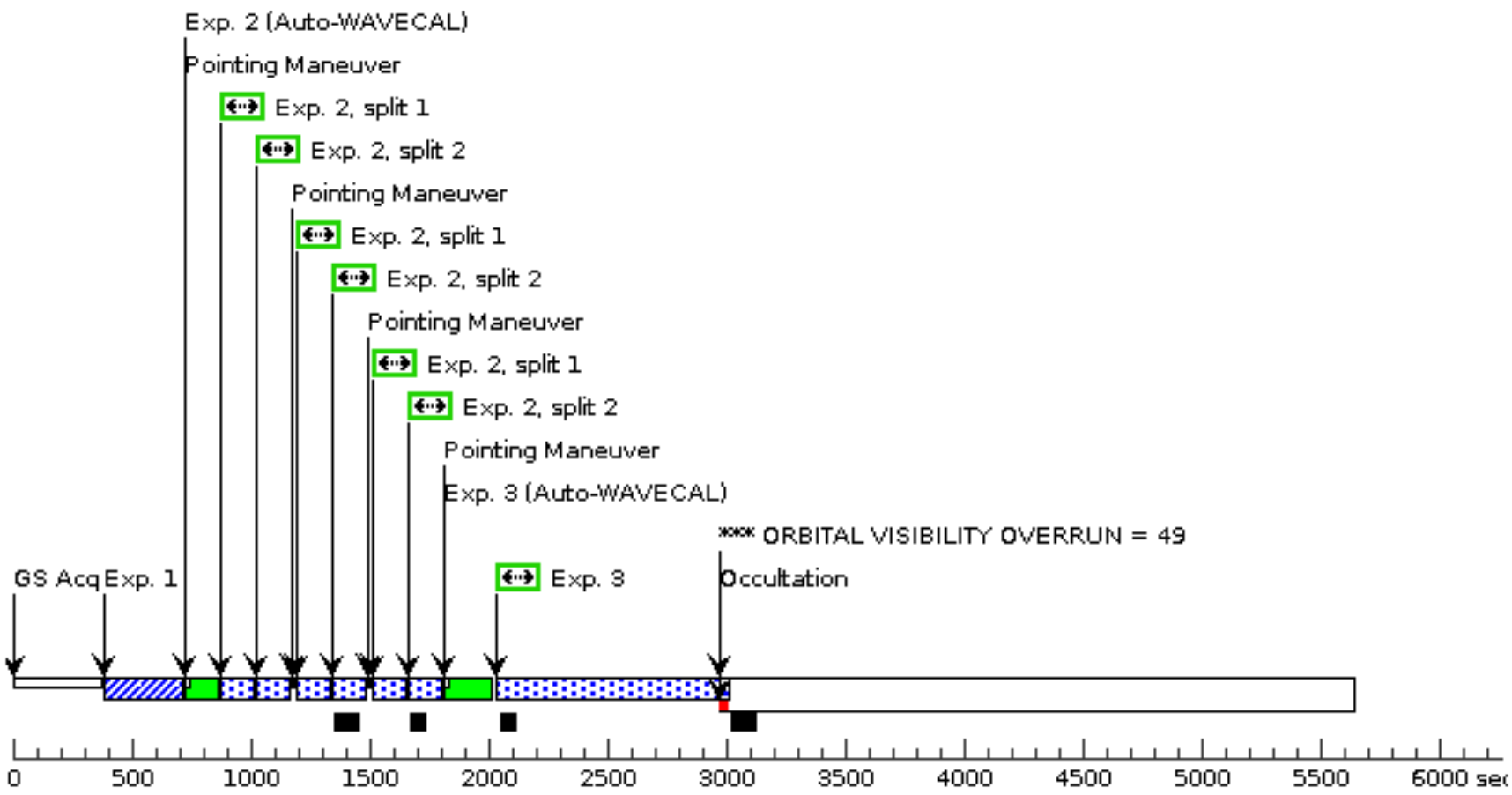
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	PG1519+226	RA: 15 21 14.2570 (230.3094042d) Dec: +22 27 43.83 (22.46217d) Equinox: J2000	Proper Motion RA: -5.338342878758164E-6 sec of time/yr Proper Motion Dec: -1.5000046005297918E-5 arcsec/yr Epoch of Position: 2015.5	V=16.09	Reference Frame: ICRS

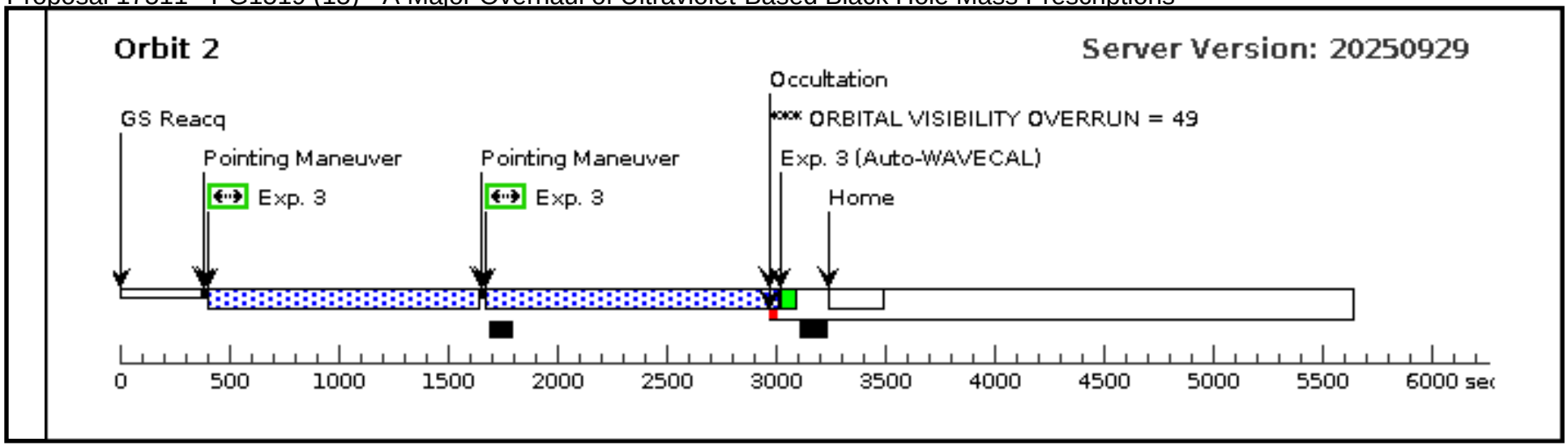
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891828)	(15) PG1519+226	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			25 Secs (25 Secs)	
								[==>]	***[1]***
2	CCD430L (1891624)	(15) PG1519+226	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 2, Exps 2-2 in PG1519 (15) (2)	206 Secs (618 Secs)	
								[==>(Pattern 1, Split 1)] *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]* *[==>(Pattern 3, Split 1)]* *[==>(Pattern 3, Split 2)]*	***[1]***
3	NUVG230L (1891623)	(15) PG1519+226	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 2, Exps 3-3 in PG1519 (15) (2)	1150 Secs (3522 Secs)	
								[==>970.0 Secs (Pattern 1)]	***[1]***
								[==>1228.0 Secs (Pattern 2)] *[==>1324.0 Secs (Pattern 3)]*	***[2]***

Orbit Structure




Orbit 2
Server Version: 20250929
Occultation
GS Reacq
*** ORBITAL VISIBILITY OVERRUN = 49
Pointing Maneuver
Exp. 3
Pointing Maneuver
Exp. 3
Exp. 3 (Auto-WAVECAL)
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17511, PG1048 (16), failed Fri Feb 20 18:00:32 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1048 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(PG1048 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(2)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2), (3)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=3	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

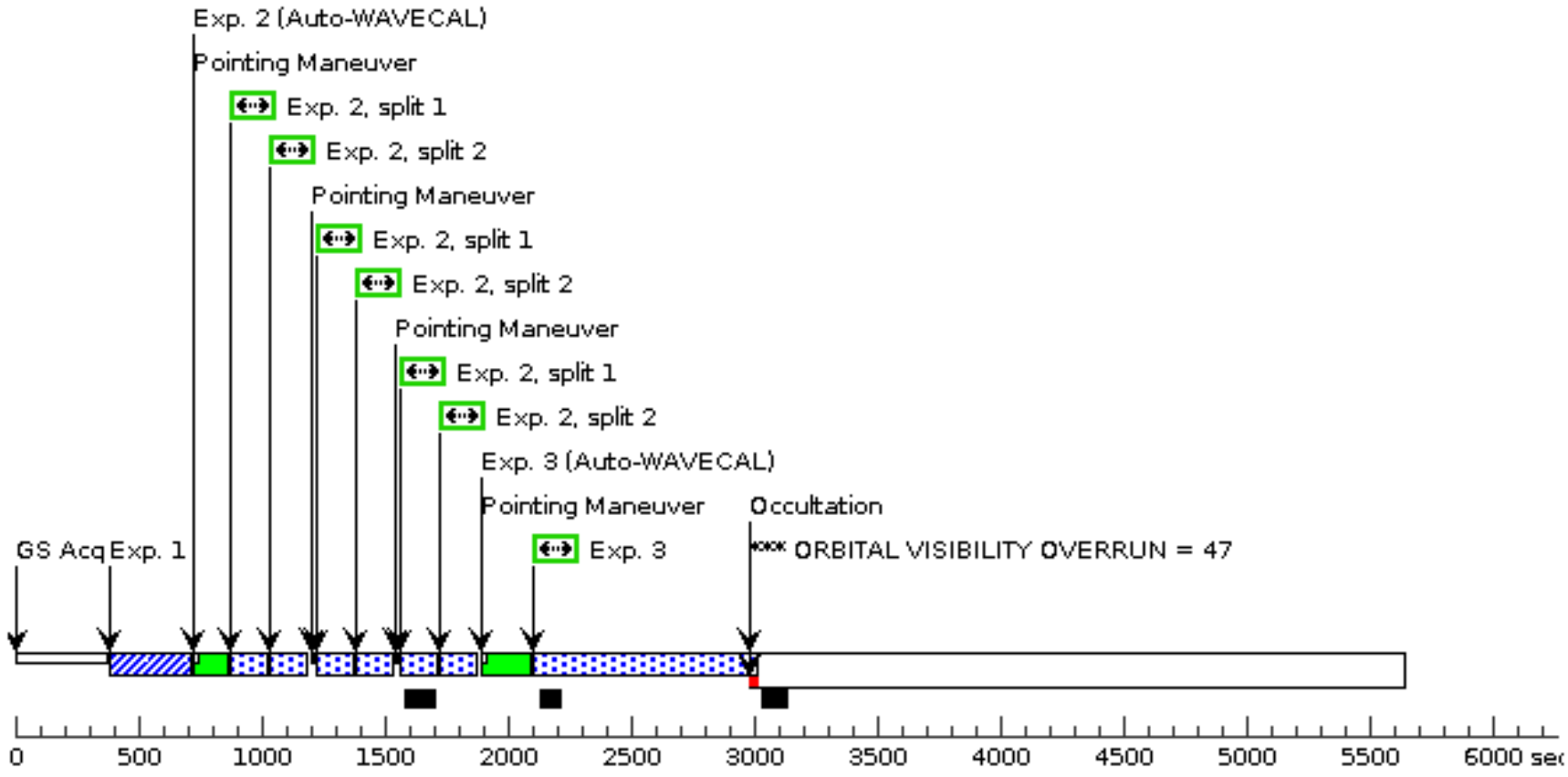
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(16)	PG1048+342	RA: 10 51 43.8916 (162.9328817d) Dec: +33 59 26.68 (33.99074d) Equinox: J2000	Proper Motion RA: -3.5378539220097226E-6 sec of time/yr Proper Motion Dec: 3.2E-5 arcsec/yr Epoch of Position: 2015.5	V=16.79	Reference Frame: ICRS

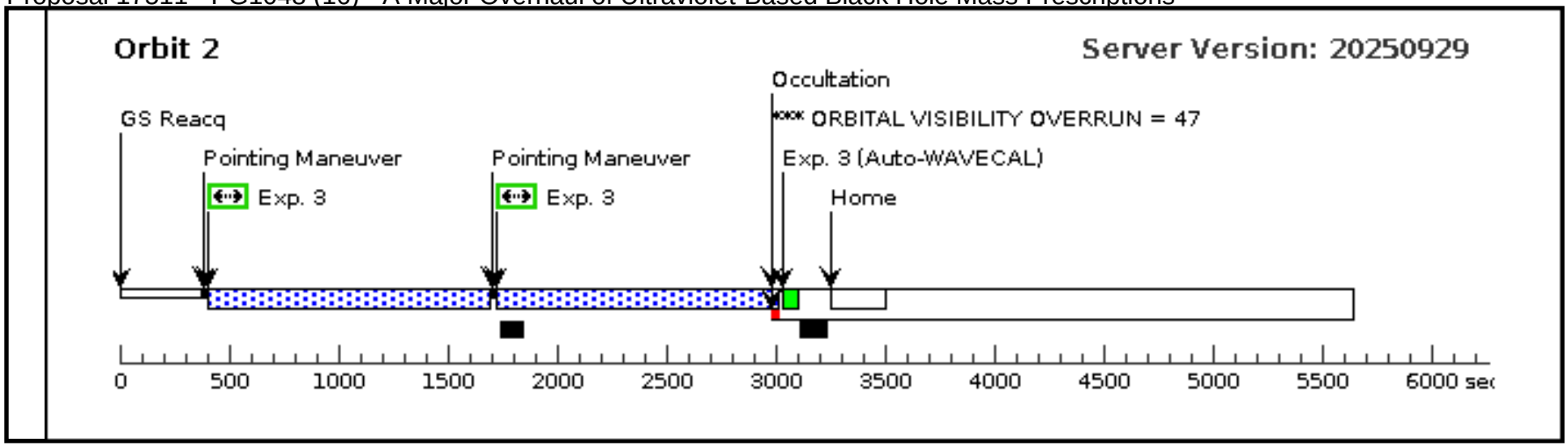
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891826)	(16) PG1048+342	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			25 Secs (25 Secs)	
								[==>]	***[1]***
2	CCD430L (1850886)	(16) PG1048+342	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 2, Exps 2-2 in PG1048 (16) (2)	232 Secs (696 Secs)	
								[==>(Pattern 1, Split 1)] *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]* *[==>(Pattern 3, Split 1)]* *[==>(Pattern 3, Split 2)]*	***[1]***
3	NUVG230L (1889184)	(16) PG1048+342	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 2, Exps 3-3 in PG1048 (16) (2)	1184 Secs (3456 Secs)	
								[==>898.0 Secs (Pattern 1)]	***[1]***
								[==>1279.0 Secs (Pattern 2)] *[==>1279.0 Secs (Pattern 3)]*	***[2]***

Orbit Structure




Orbit 2
Server Version: 20250929
Occultation
GS Reacq
*** ORBITAL VISIBILITY OVERRUN = 47
Pointing Maneuver
Exp. 3
Pointing Maneuver
Exp. 3
Exp. 3 (Auto-WAVECAL)
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17511, PG1048 (66), failed Fri Feb 20 18:00:32 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1048 (66)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(PG1048 (66)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(2)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2), (3)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=3	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

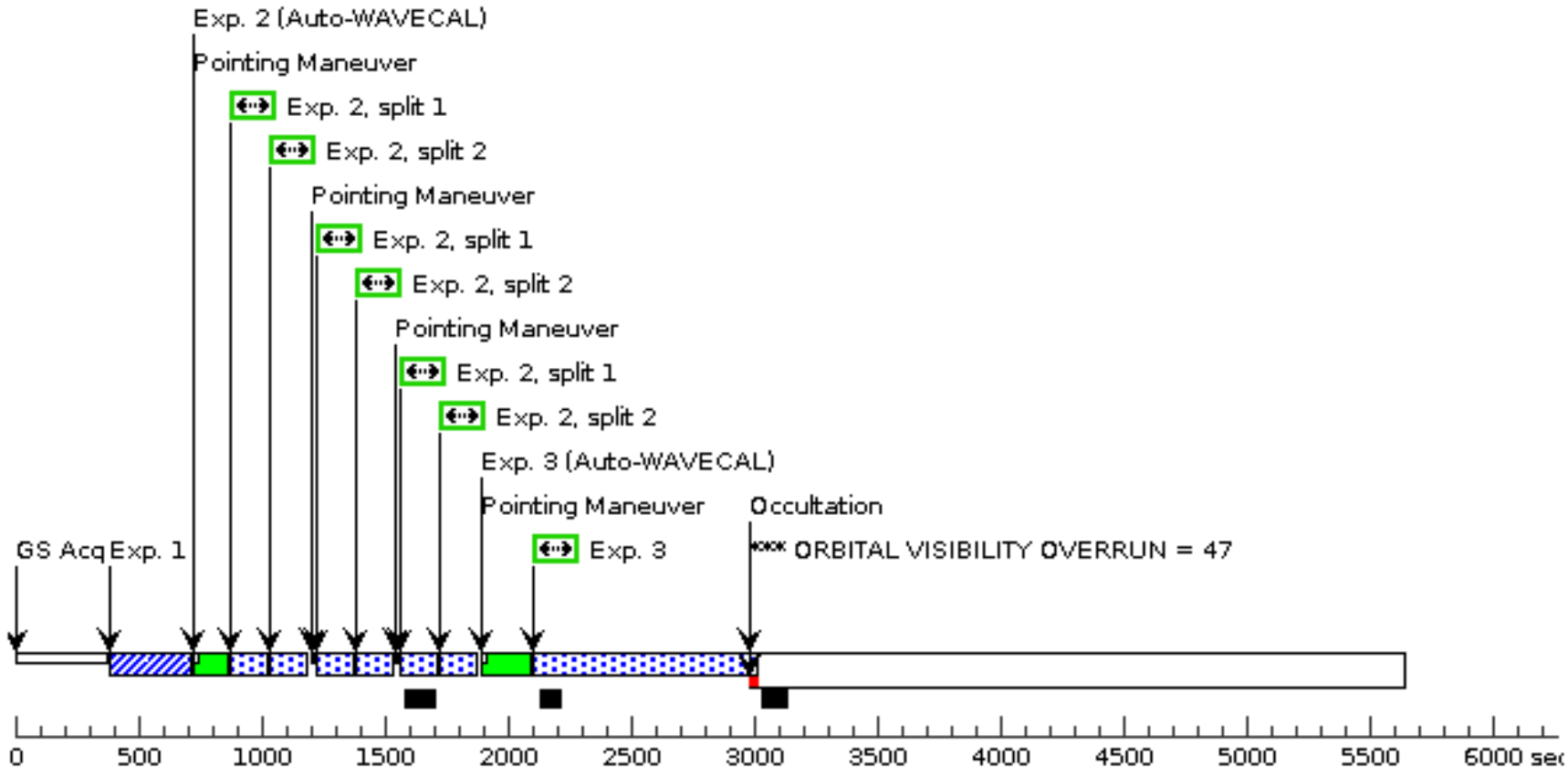
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(16)	PG1048+342	RA: 10 51 43.8916 (162.9328817d) Dec: +33 59 26.68 (33.99074d) Equinox: J2000	Proper Motion RA: -3.5378539220097226E-6 sec of time/yr Proper Motion Dec: 3.2E-5 arcsec/yr Epoch of Position: 2015.5	V=16.79	Reference Frame: ICRS

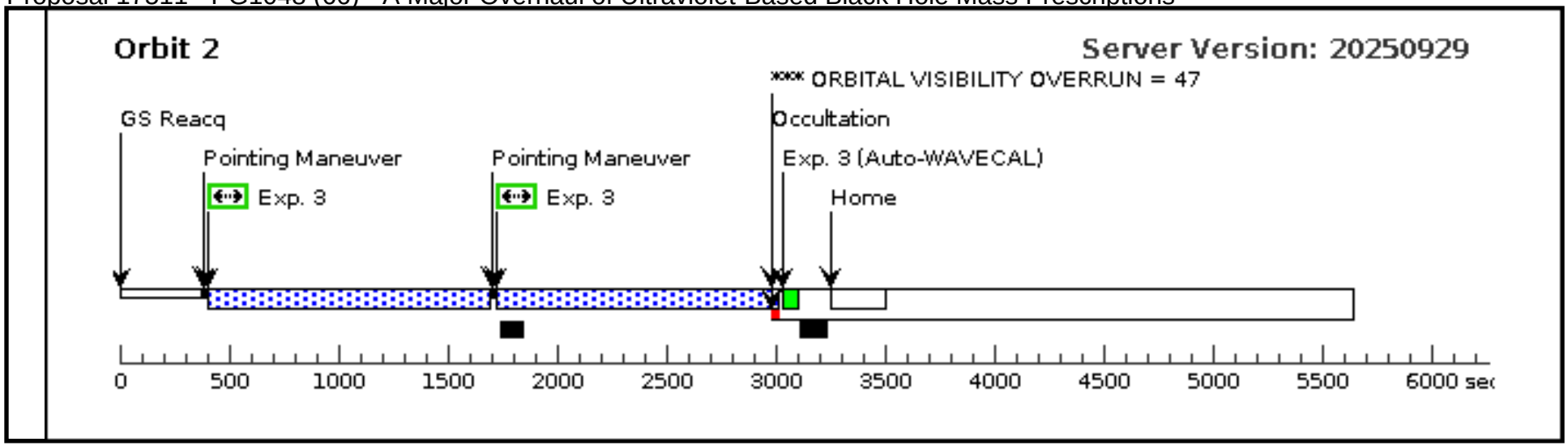
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891826)	(16) PG1048+342	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			25 Secs (25 Secs) *[==>]*	 ***[1]***
2	CCD430L (1850886)	(16) PG1048+342	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 2, Exps 2-2 in PG1048 (66) (2)	232 Secs (696 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]* *[==>(Pattern 3, Split 1)]* *[==>(Pattern 3, Split 2)]*	 ***[1]***
3	NUVG230L (1889184)	(16) PG1048+342	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 2, Exps 3-3 in PG1048 (66) (2)	1184 Secs (3456 Secs) *[==>898.0 Secs (Pattern 1)]* *[==>1279.0 Secs (Pattern 2)]* *[==>1279.0 Secs (Pattern 3)]*	 ***[1]*** ***[2]***

Orbit Structure




Orbit 2
Server Version: 20250929
*** ORBITAL VISIBILITY OVERRUN = 47
GS Reacq
Pointing Maneuver
Exp. 3
Pointing Maneuver
Exp. 3
Occultation
Exp. 3 (Auto-WAVECAL)
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec

Visit

Proposal 17511, PG1048 (R6) Fri Feb 20 18:00:32 GMT 2026

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: (none)

Comments: Duplicate of first orbit of visit 66.

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(2)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=3	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

Fixed Targets

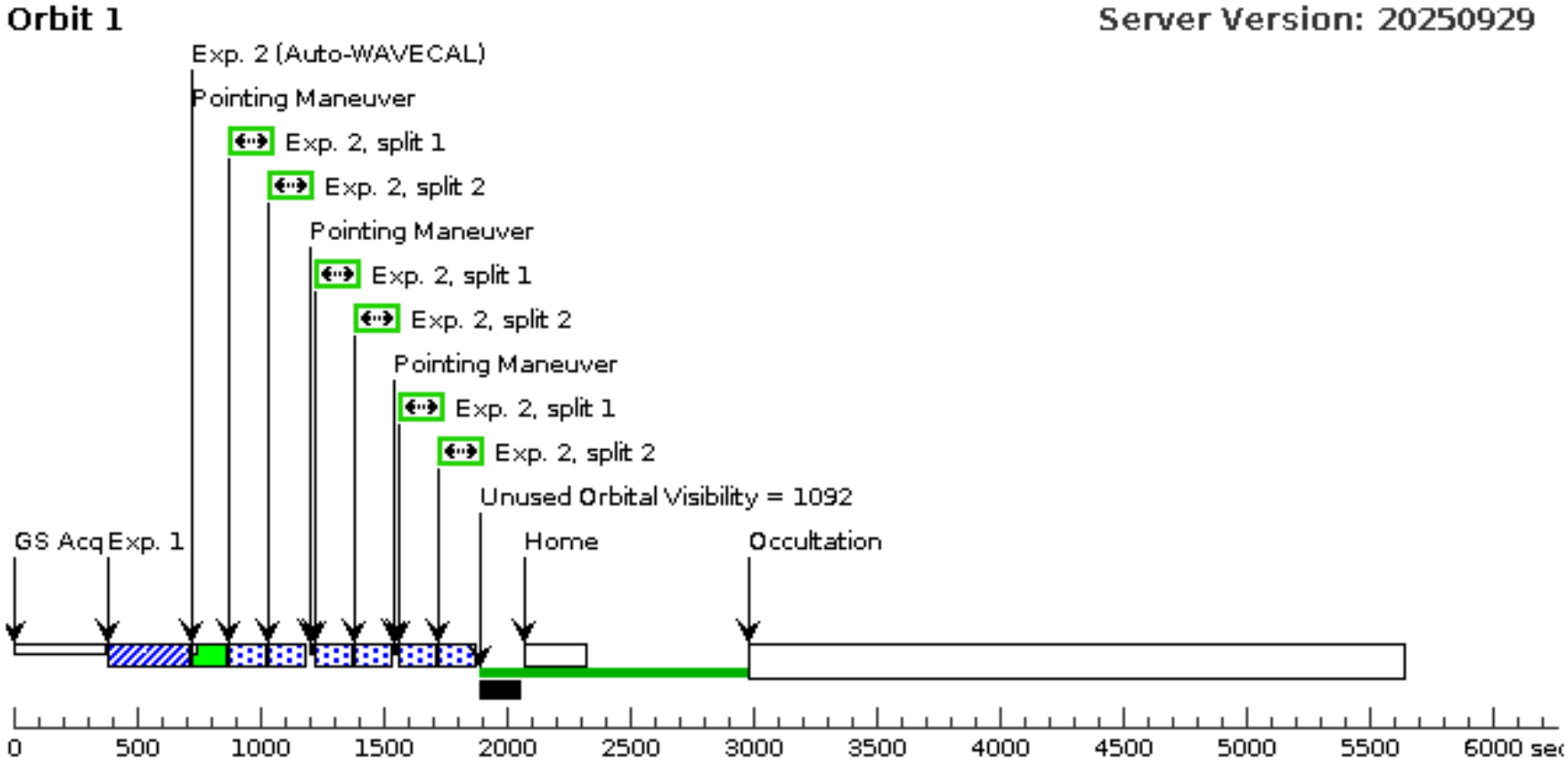
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(16)	PG1048+342	RA: 10 51 43.8916 (162.9328817d) Dec: +33 59 26.68 (33.99074d) Equinox: J2000	Proper Motion RA: -3.5378539220097226E-6 sec of time/yr Proper Motion Dec: 3.2E-5 arcsec/yr Epoch of Position: 2015.5	V=16.79	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891826)	(16) PG1048+342	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			25 Secs (25 Secs) *[==>]*	 ***[1]***
2	CCD430L (1850886)	(16) PG1048+342	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 2, Exps 2-2 in PG1048 (R6) (2)	232 Secs (696 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]* *[==>(Pattern 3, Split 1)]* *[==>(Pattern 3, Split 2)]*	 ***[1]***

Orbit Structure



Visit

Proposal 17511, PG0923 (17), completed Fri Feb 20 18:00:32 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG0923 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

(PG0923 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(2)
(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 Point Spacing=0.15 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false		(3)

Fixed Targets

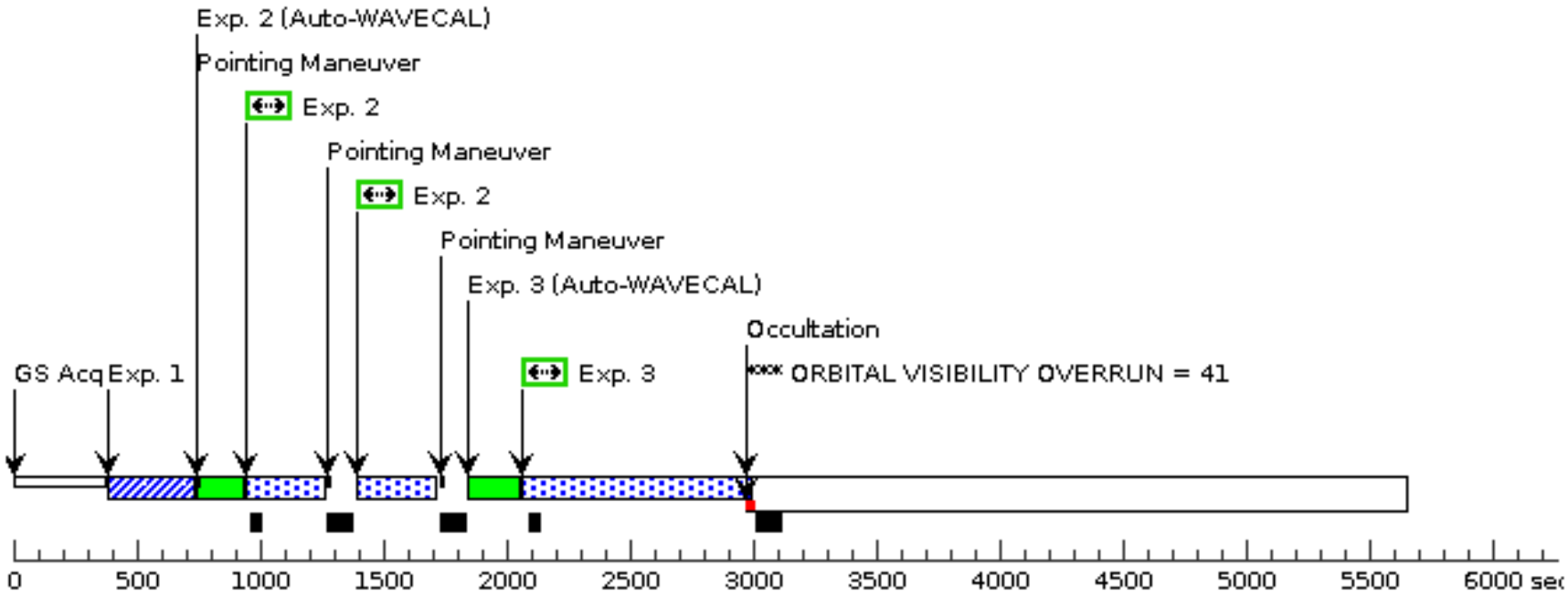
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(17)	PG0923+129	RA: 09 26 3.2695 (141.5136229d) Dec: +12 44 3.73 (12.73437d) Equinox: J2000	Proper Motion RA: 6.3563503890404595E-6 sec of time/yr Proper Motion Dec: -9.400009730597958E-5 arcsec/yr Epoch of Position: 2015.5	V=14.6	Reference Frame: ICRS

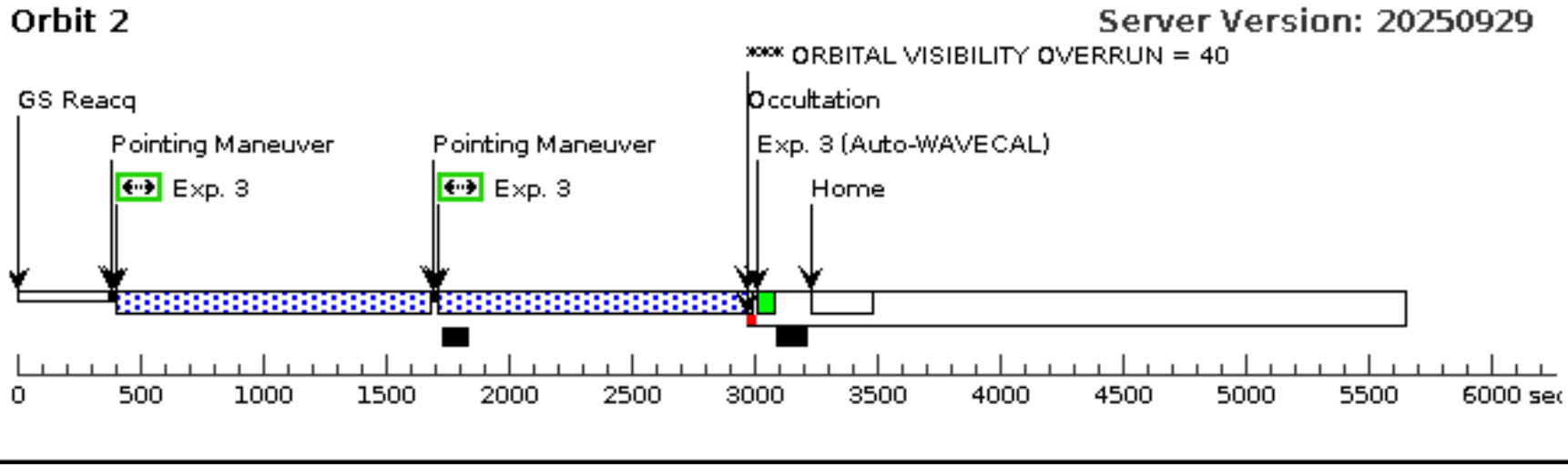
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891824)	(17) PG0923+129	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			30 Secs (30 Secs) *[==>]*	*[1]*
2	NUV230L (1850893)	(17) PG0923+129	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 1, Exps 2-2 in PG0923 (17) (1)	310 Secs (620 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]*	*[1]*
3	FUV140L (1850890)	(17) PG0923+129	STIS/FUV-MAMA, ACCUM, 52X0.2D1	G140L 1425 A		POS TARG 0,null	Pattern 2, Exps 3-3 in PG0923 (17) (2)	1156 Secs (3456 Secs) *[==>918.0 Secs (Pattern 1)]* *[==>1269.0 Secs (Pattern 2)]* *[==>1269.0 Secs (Pattern 3)]*	*[1]* *[2]*

Orbit Structure





Visit

Proposal 17511, PG1100 (18), completed Fri Feb 20 18:00:32 GMT 2026

Diagnostic Status: Warning

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

Special Requirements: (none)

Diagnostics

(PG1100 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG		(2), (3)
	Purpose=DITHER	Pattern Orientation=90.0		
	Number Of Points=2	Angle Between Sides=		
	Point Spacing=0.15	Center Pattern=false		
	Line Spacing=			

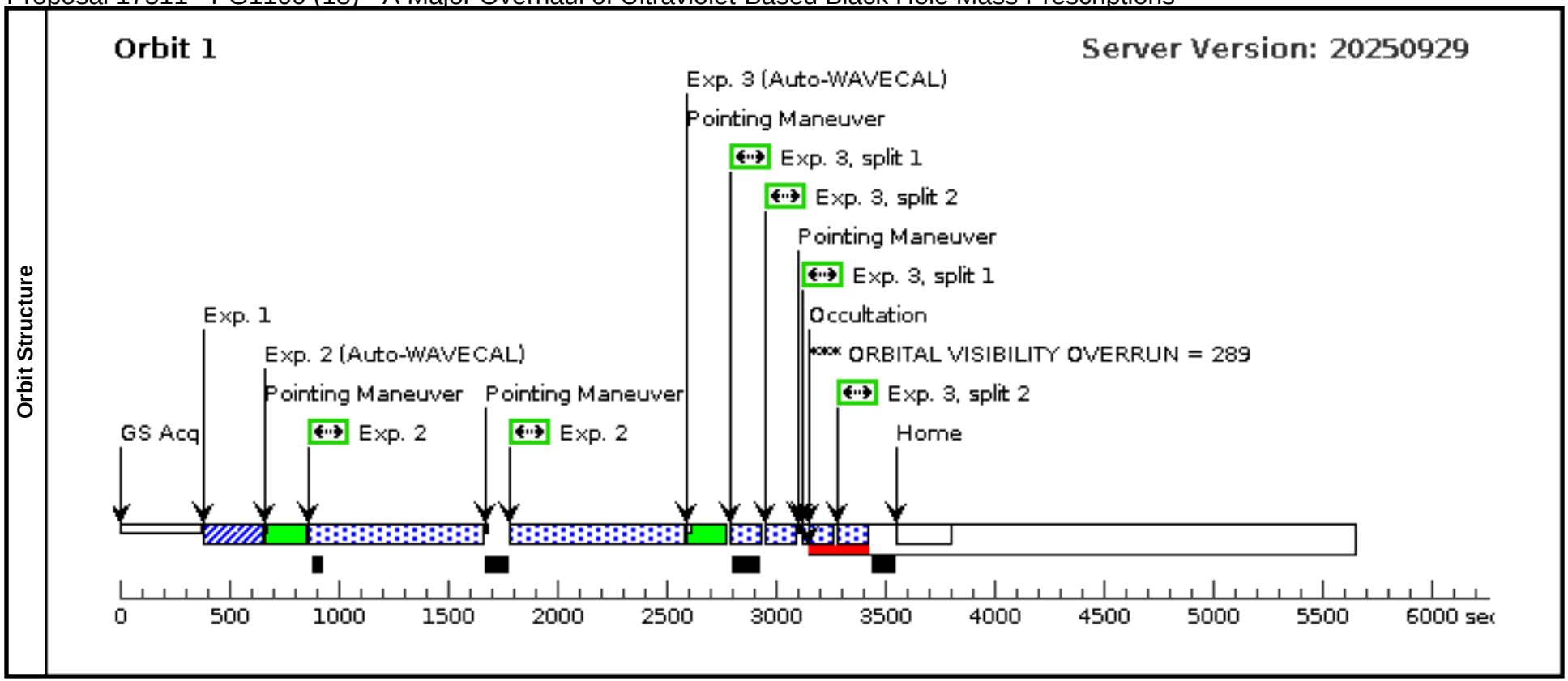
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(18)	PG1100+772	RA: 11 04 13.6800 (166.0570000d) Dec: +76 58 58.19 (76.98283d) Equinox: J2000	Proper Motion RA: 5.0316027859430616E-6 sec of time/yr Proper Motion Dec: 5.0E-6 arcsec/yr Epoch of Position: 2015.5	V=15.72	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[QSO, QUASAR]

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition (1891815)	(18) PG1100+772	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			10 Secs (10 Secs) *[==>]*	***[1]***
2	NUVG230L (1850901)	(18) PG1100+772	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Pattern 1, Exps 2-2 in PG1100 (18) (1)	784 Secs (1568 Secs) *[==>(Pattern 1)]* *[==>(Pattern 2)]*	***[1]***
3	CCD430L (1850904)	(18) PG1100+772	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2		Pattern 1, Exps 3-3 in PG1100 (18) (1)	218 Secs (436 Secs) *[==>(Pattern 1, Split 1)]* *[==>(Pattern 1, Split 2)]* *[==>(Pattern 2, Split 1)]* *[==>(Pattern 2, Split 2)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20250929
Exp. 3 (Auto-WAVECAL)
Pointing Maneuver
Exp. 3, split 1
Exp. 3, split 2
Pointing Maneuver
Exp. 3, split 1
Occultation
*** ORBITAL VISIBILITY OVERRUN = 289
Exp. 3, split 2
Home
Exp. 1
Exp. 2 (Auto-WAVECAL)
Pointing Maneuver
Pointing Maneuver
GS Acq
Exp. 2
Exp. 2
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000 sec