14193 - Footprints of the Magnetosphere: the Star- Disk Connection in T Tauri Stars

Cycle: 23, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) T56 CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	24-Jul-2015 22:20:23.0	yes
02	(1) T56 CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	24-Jul-2015 22:20:25.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
03	(1) T56 CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	24-Jul-2015 22:20:28.0	yes
04	(1) T56 CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	24-Jul-2015 22:20:30.0	yes
05	(1) T56 CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	24-Jul-2015 22:20:32.0	yes
06	(2) V-VW-CHA CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	24-Jul-2015 22:20:34.0	yes
07	(2) V-VW-CHA CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	24-Jul-2015 22:20:37.0	yes
08	(2) V-VW-CHA CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	24-Jul-2015 22:20:39.0	yes
09	(2) V-VW-CHA CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	24-Jul-2015 22:20:42.0	yes
10	(2) V-VW-CHA CCDFLAT	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	2	24-Jul-2015 22:20:44.0	yes

20 Total Orbits Used

ABSTRACT

Previous Spitzer infrared observations of disks around young, low-mass pre-main sequence stars have given us an unprecedented look at dust evolution in young objects. Despite this ground-breaking progress in studying the dust in young disks, the relationship between the dust and gas

properties in the inner disk remains essentially unknown. Here we propose to quantify the variability of both the dust and gas in the disks surrounding two T Tauri stars to study how or if accretion onto the star is tied to inhomogeneities in the inner disk. To do this, we will use simultaneous HST, Spitzer, and Swift observations to constrain the X-ray, far-ultraviolet, near-ultraviolet, optical, and near-infrared emission of our sample and provide a picture of the interaction between dust and gas in the inner ~0.5 AU of the disk down to the stellar surface.

OBSERVING DESCRIPTION

We will take 5 observations each for T 56 and VW Cha with HST. Each observation will be 2 orbits in length, for a total of 20 orbits. We will need MAMA FUV and NUV spectra to measure mass accretion rates and so we choose the G140L and G230L gratings which cover 1150-1730 Ang and 1570-3180 Ang, respectively. Obtaining simultaneous optical spectra is crucial in order to measure the extinction precisely and accurately measure the FUV/NUV excess above the stellar photosphere. We will use the CCD G430L grating (2900-5700 Ang) and the CCD G750L grating (5240-1027s) to do this. In addition, we will need contemporaneous fringe-flats to correct the spectra beyond 7000 Ang where severe fringing occurs. Low-resolution is sufficient for this study since we are not attempting to measure individual lines in detail. We will achieve a SNR of ~10-20 and note that each HST orbit is ~90 minutes in length. We will need two orbits (~3 hrs) per pointing to complete our observations. We have checked the brightness limits of MAMA and the saturation levels of the CCD and our targets fall within the acceptable limits for variable objects.

The timing constraints are as follows. First, for the goals of the proposal, visits 1-4 (T56) and 6-9 (VW Cha) will cover roughly 1 week with each visit separated by 1.5 to 2.5 days. The final visit for each target, visit 5 (T56) and visit 10 (VW Cha), are probing variability on a monthly scale and should follow visits 4 and 9, respectively, by 30 to 60 days. An additional constraint was placed regarding the dates for observing. The initial proposal requested joint time with Spitzer to probe NIR emission related to dust in the circumstellar disk. This time was not granted and we will therefore coordinate ground based observations to coincide with HST observations. CoI's on this proposal have institutional access to the Magellan and Southern Astrophysical Research (SOAR) telescopes, both in Chile, so we will use these telescopes to observe in the NIR. Therefore we request that HST observe the targets when they are visible from Chile, between October 30, 2015 and August 1, 2016.

Visit

Proposal 14193, Visit 01, implementation Sat Jul 25 02:20:45 GMT 2015

Diagnostic Status: No Diagnostics

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

Special Requirements: BETWEEN 30-OCT-2015:00:00:00 AND 01-AUG-2016:00:00:00

Fixed Targets

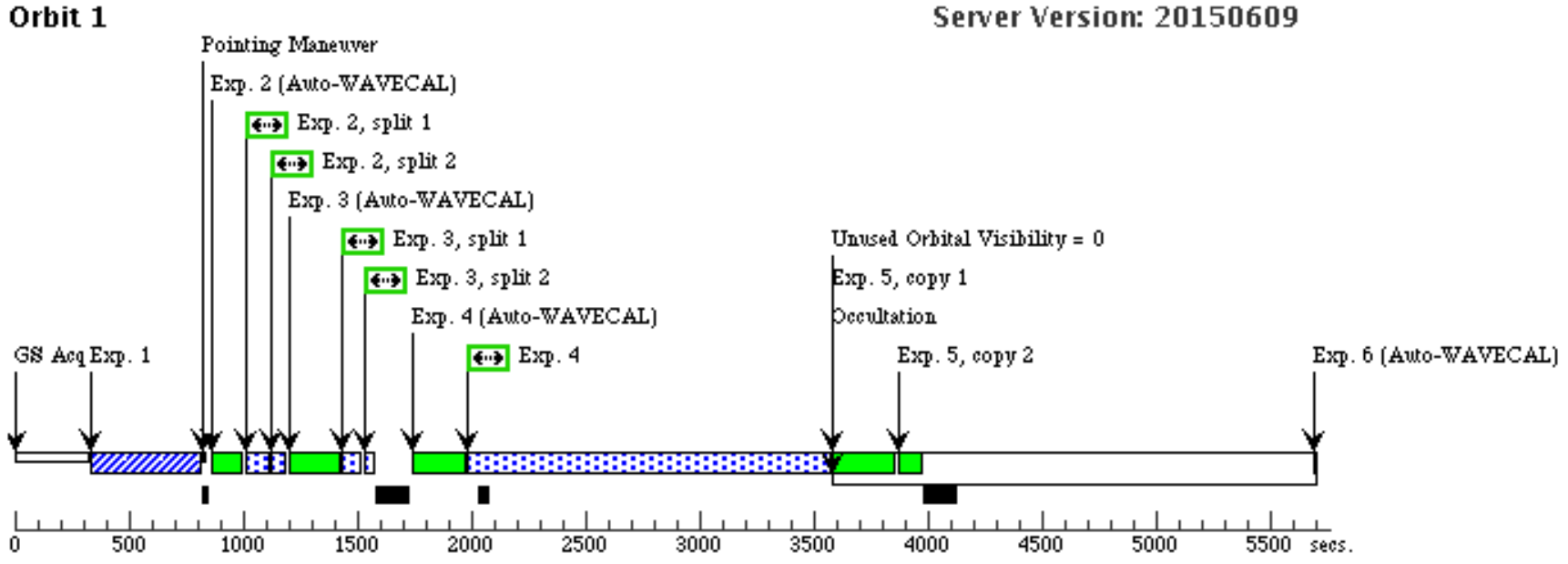
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	T56	RA: 11 17 37.0050 (169.4041875d) Dec: -77 04 38.12 (-77.07726d) Equinox: J2000		V=13.5	Reference Frame: ICRS

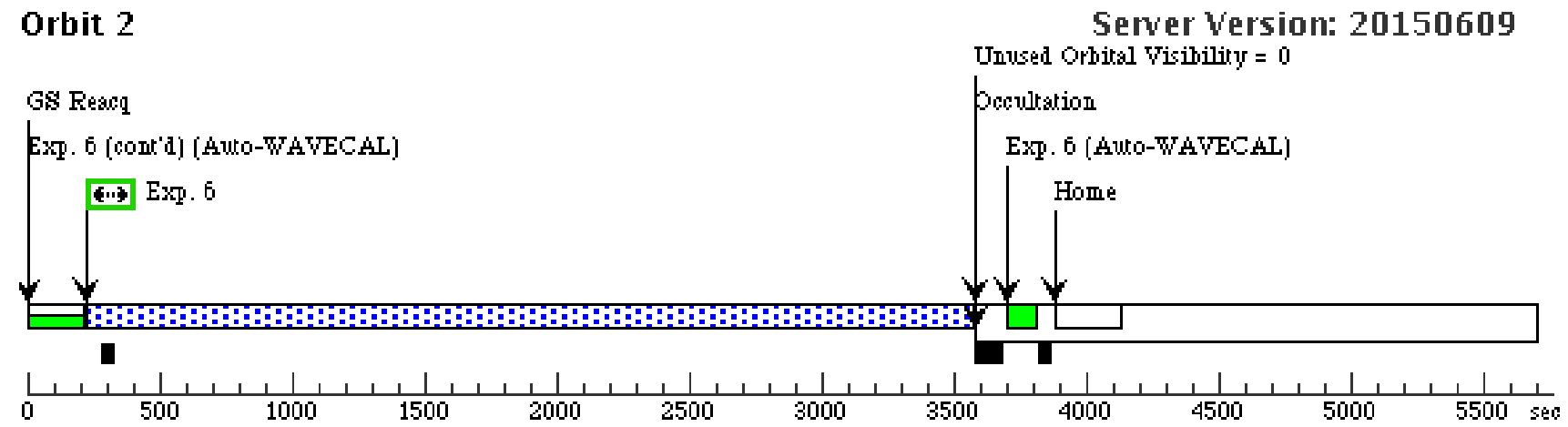
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) T56	STIS/CCD, ACQ, F28X50OII	MIRROR	ACQTYPE=POINT			55 Secs (55 Secs)	
								[==>]	***[1]***
2		(1) T56	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=2			45 Secs (45 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
3		(1) T56	STIS/CCD, ACCUM, 52X2	G750L 7751 A	CR-SPLIT=2			3 Secs (3 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4	(733620)	(1) T56	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1207 Secs (1549 Secs) *[==>1549.0 Secs]*	***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 0.3X0.09	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***
6	(733614)	(1) T56	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				2967 Secs (3298 Secs) *[==>3298.0 Secs]*	***[2]***

Orbit Structure





Visit

Proposal 14193, Visit 02, implementation Sat Jul 25 02:20:46 GMT 2015

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER_01 BY 1.5 D TO 2.5 D

Fixed Targets

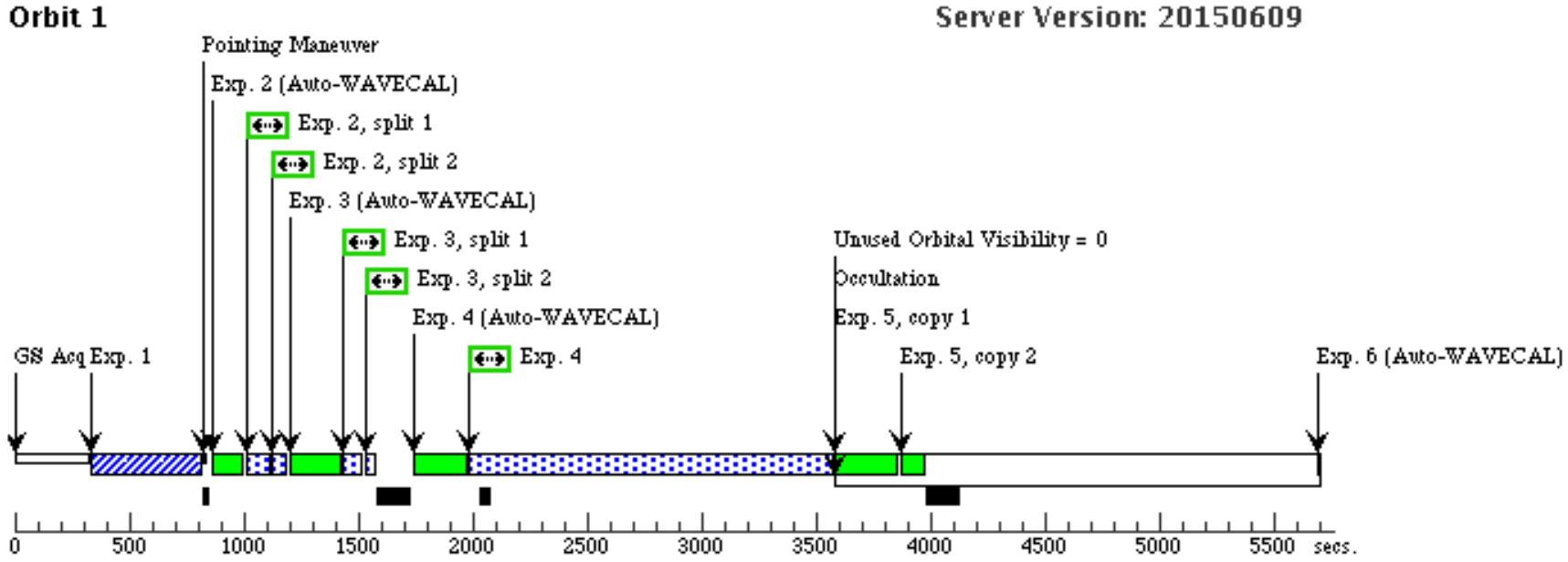
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	T56	RA: 11 17 37.0050 (169.4041875d) Dec: -77 04 38.12 (-77.07726d) Equinox: J2000		V=13.5	Reference Frame: ICRS

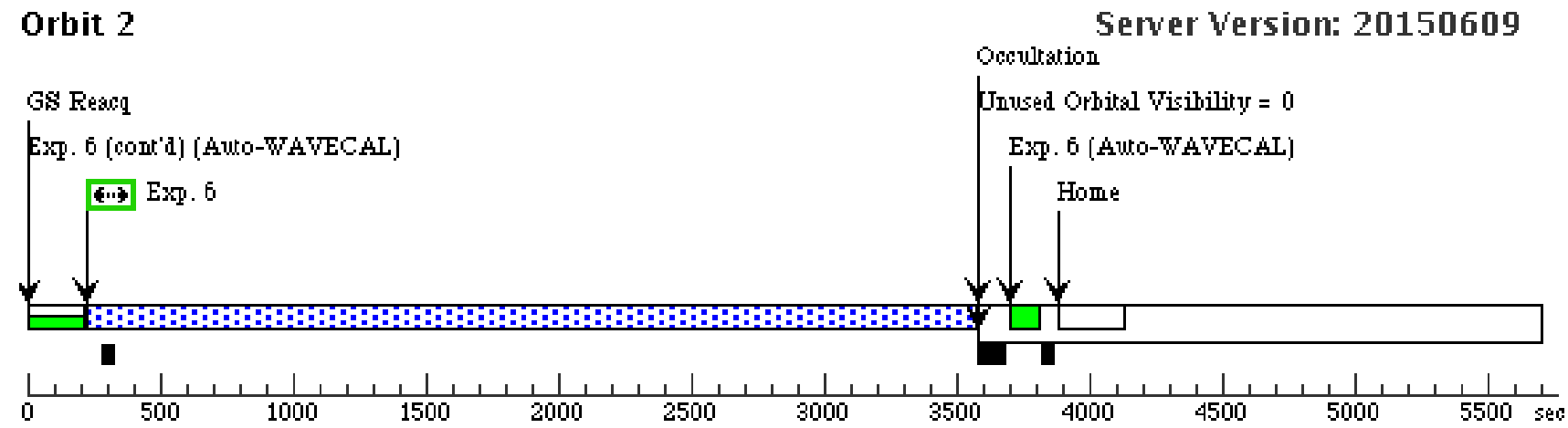
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) T56	STIS/CCD, ACQ, F28X50OII	MIRROR	ACQTYPE=POINT			55 Secs (55 Secs)	
								[==>]	***[1]***
2		(1) T56	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=2			45 Secs (45 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
3		(1) T56	STIS/CCD, ACCUM, 52X2	G750L 7751 A	CR-SPLIT=2			3 Secs (3 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4	(733620)	(1) T56	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1207 Secs (1549 Secs) *[==>1549.0 Secs]*	***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 0.3X0.09	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***
6	(733614)	(1) T56	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				2967 Secs (3298 Secs) *[==>3298.0 Secs]*	***[2]***

Orbit Structure





Visit

Proposal 14193, Visit 03, implementation Sat Jul 25 02:20:46 GMT 2015

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER_02 BY 1.5 D TO 2.5 D

Fixed Targets

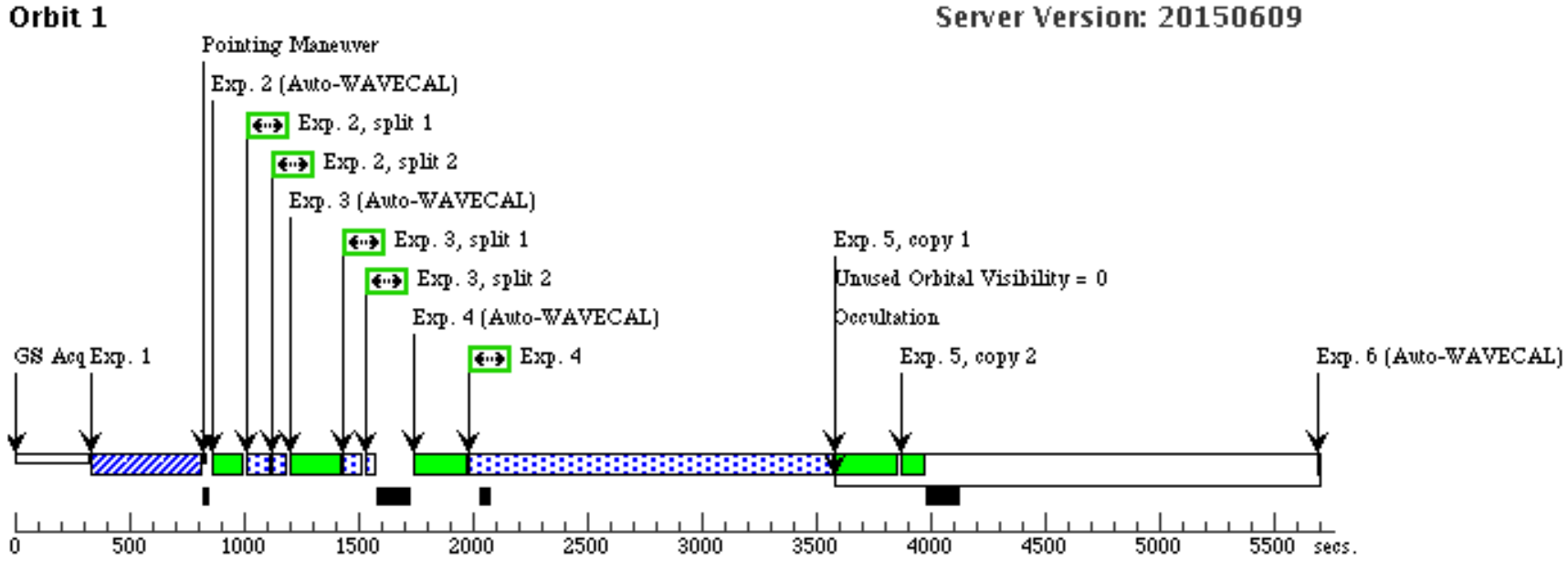
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	T56	RA: 11 17 37.0050 (169.4041875d) Dec: -77 04 38.12 (-77.07726d) Equinox: J2000		V=13.5	Reference Frame: ICRS

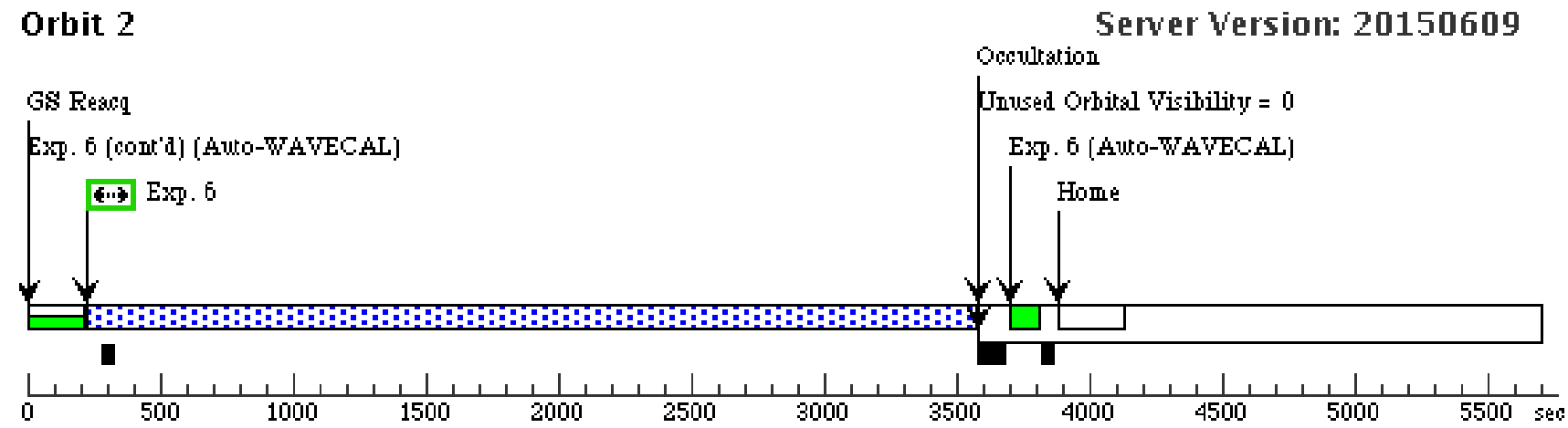
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) T56	STIS/CCD, ACQ, F28X50OII	MIRROR	ACQTYPE=POINT			55 Secs (55 Secs)	
								[==>]	***[1]***
2		(1) T56	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=2			45 Secs (45 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
3		(1) T56	STIS/CCD, ACCUM, 52X2	G750L 7751 A	CR-SPLIT=2			3 Secs (3 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4	(733620)	(1) T56	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1207 Secs (1549 Secs) *[==>1549.0 Secs]*	***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 0.3X0.09	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***
6	(733614)	(1) T56	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				2967 Secs (3298 Secs) *[==>3298.0 Secs]*	***[2]***

Orbit Structure





Visit

Proposal 14193, Visit 04, implementation Sat Jul 25 02:20:46 GMT 2015

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER 03 BY 1.5 D TO 2.5 D

Fixed Targets

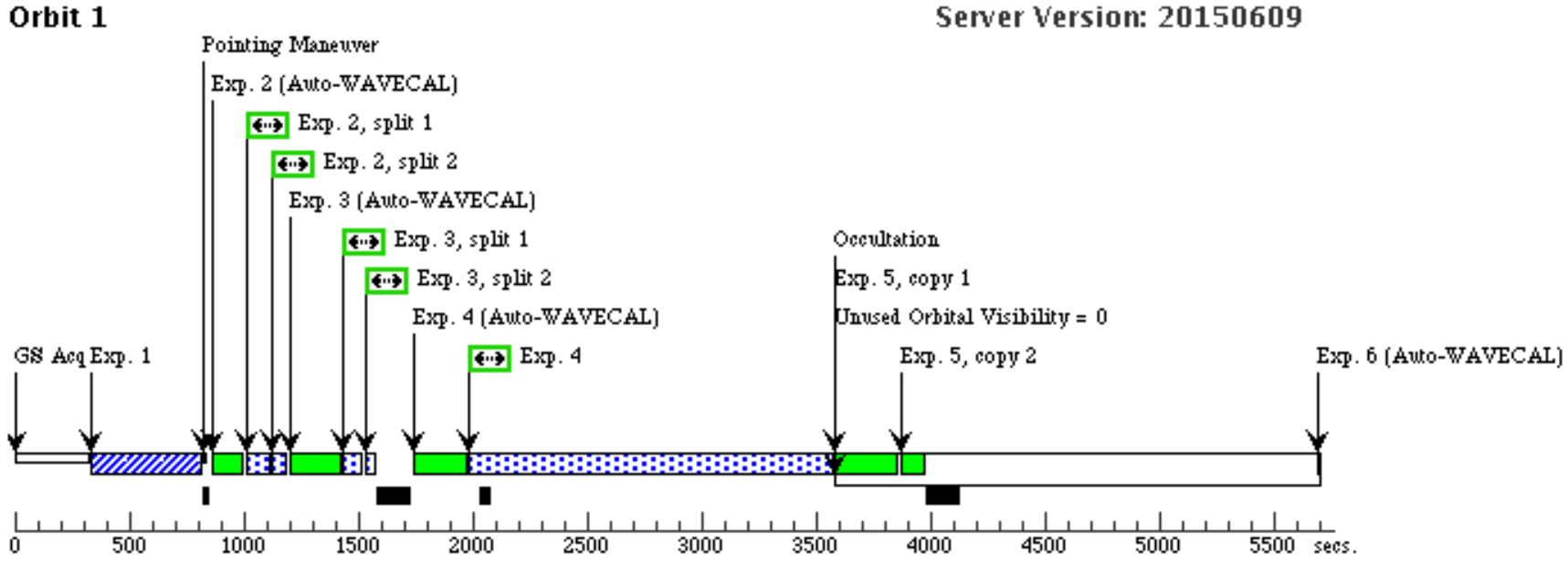
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	T56	RA: 11 17 37.0050 (169.4041875d) Dec: -77 04 38.12 (-77.07726d) Equinox: J2000		V=13.5	Reference Frame: ICRS

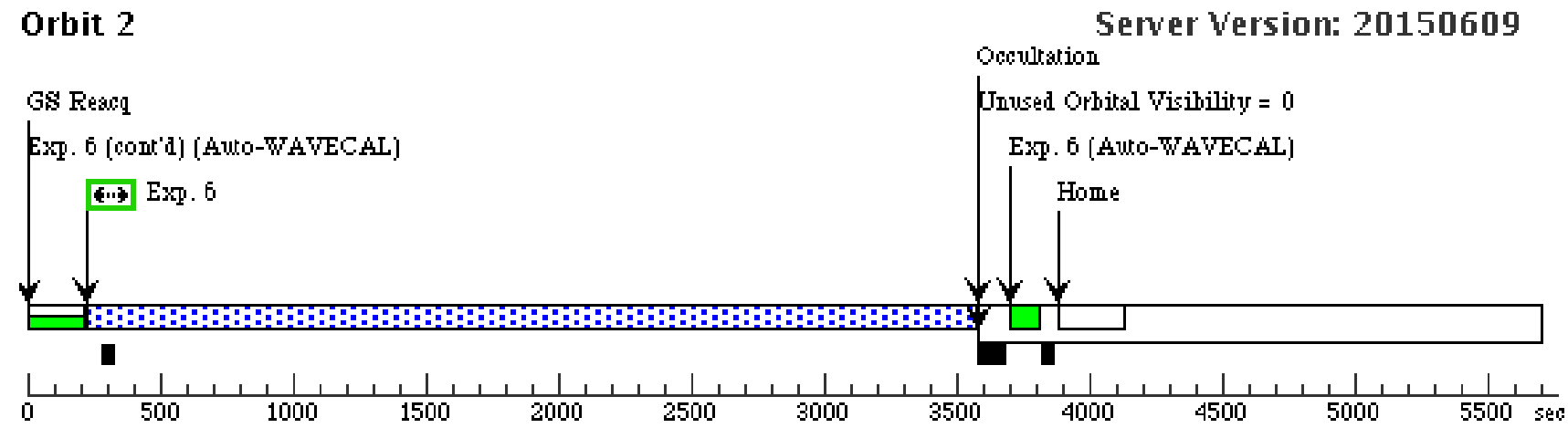
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) T56	STIS/CCD, ACQ, F28X50OII	MIRROR	ACQTYPE=POINT			55 Secs (55 Secs)	
								[==>]	***[1]***
2		(1) T56	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=2			45 Secs (45 Secs)	
								[==>(Split 1)] *[==>(Split 2)]*	***[1]***
3		(1) T56	STIS/CCD, ACCUM, 52X2	G750L 7751 A	CR-SPLIT=2			3 Secs (3 Secs)	
								[==>(Split 1)] *[==>(Split 2)]*	***[1]***
4	(733620)	(1) T56	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1207 Secs (1549 Secs)	
								[==>1549.0 Secs]	***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 0.3X0.09	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***
6	(733614)	(1) T56	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				2967 Secs (3298 Secs)	
								[==>3298.0 Secs]	***[2]***

Orbit Structure





Visit

Proposal 14193, Visit 05, implementation Sat Jul 25 02:20:46 GMT 2015

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER_04 BY 30 D TO 60 D; BETWEEN 30-OCT-2015:00:00:00 AND 01-AUG-2016:00:00:00

Fixed Targets

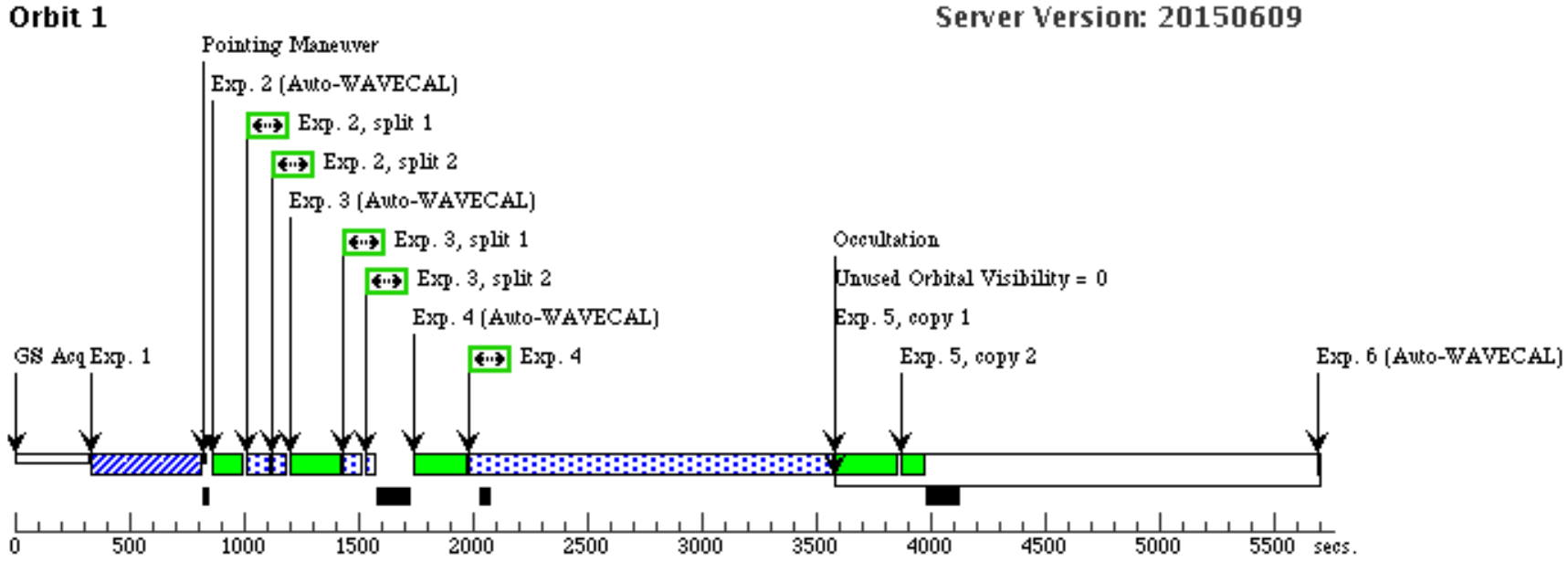
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	T56	RA: 11 17 37.0050 (169.4041875d) Dec: -77 04 38.12 (-77.07726d) Equinox: J2000		V=13.5	Reference Frame: ICRS

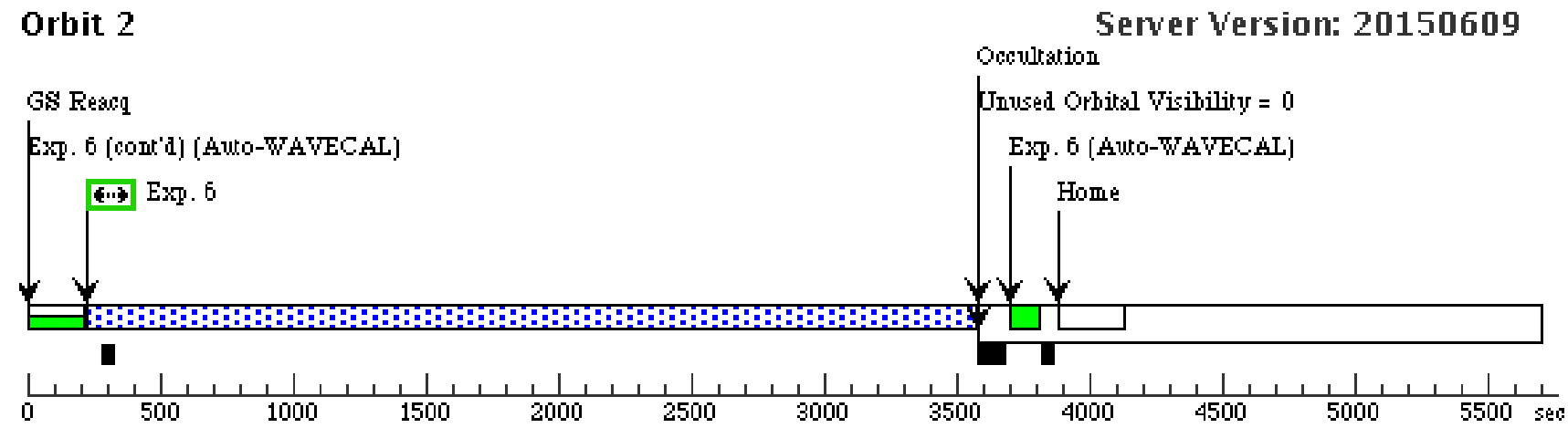
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) T56	STIS/CCD, ACQ, F28X50OII	MIRROR	ACQTYPE=POINT			55 Secs (55 Secs)	
								[==>]	***[1]***
2		(1) T56	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=2			45 Secs (45 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
3		(1) T56	STIS/CCD, ACCUM, 52X2	G750L 7751 A	CR-SPLIT=2			3 Secs (3 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4	(733620)	(1) T56	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1207 Secs (1549 Secs) *[==>1549.0 Secs]*	***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 0.3X0.09	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***
6	(733614)	(1) T56	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				2967 Secs (3298 Secs) *[==>3298.0 Secs]*	***[2]***

Orbit Structure





Visit

Proposal 14193, Visit 06, implementation Sat Jul 25 02:20:47 GMT 2015

Diagnostic Status: No Diagnostics

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

Special Requirements: BETWEEN 30-OCT-2015:00:00:00 AND 01-AUG-2016:00:00:00

Fixed Targets

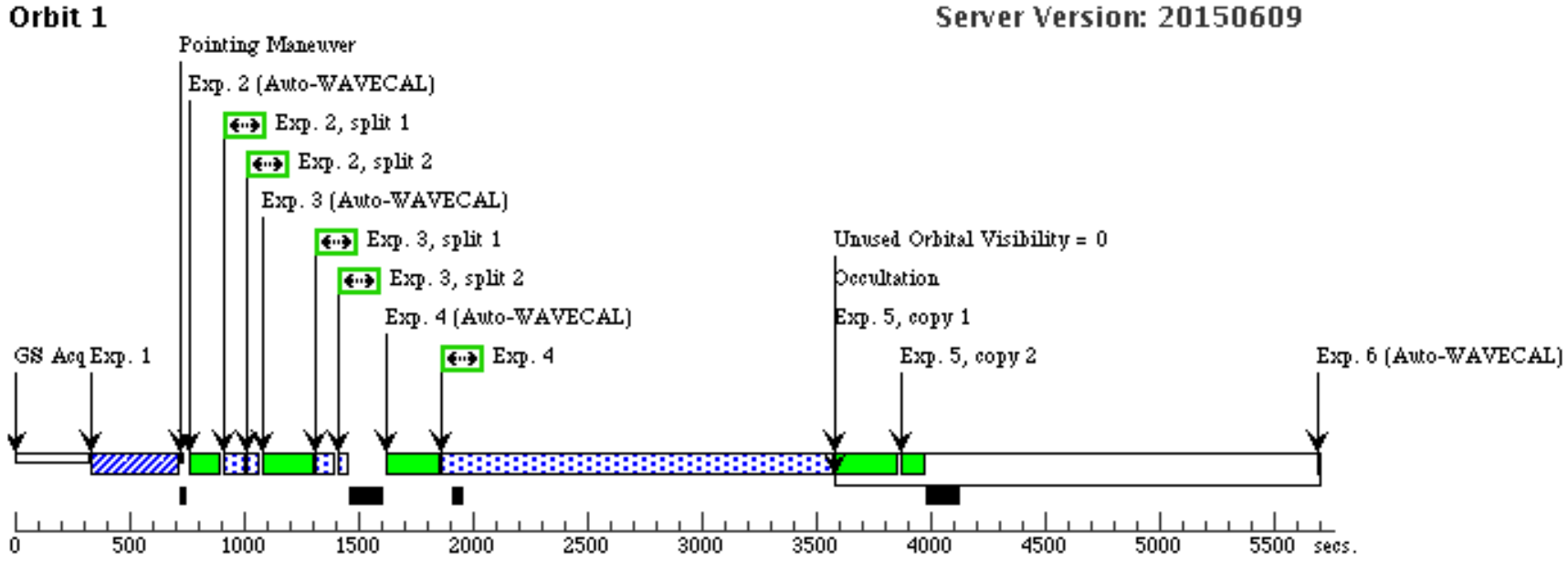
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	V-VW-CHA	RA: 11 08 1.4860 (167.0061917d) Dec: -77 42 28.85 (-77.70801d) Equinox: J2000		V=12.8	Reference Frame: ICRS

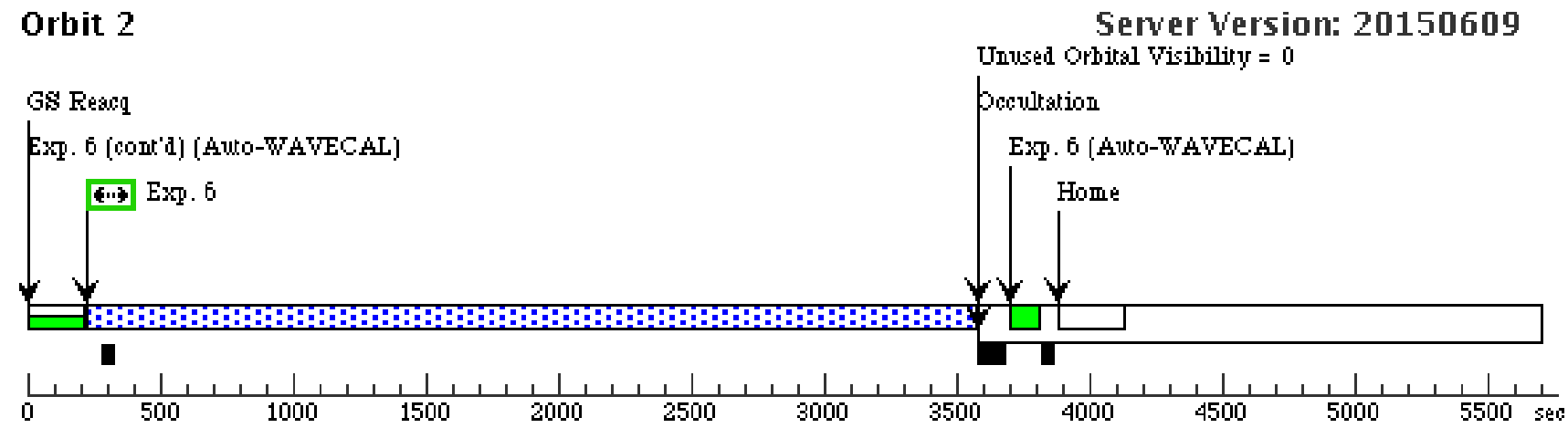
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) V-VW-CHA	STIS/CCD, ACQ, F28X50OII	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1B3		30 Secs (30 Secs) *[==>]*	 ***[1]***
2		(2) V-VW-CHA	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=2			25 Secs (25 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
3		(2) V-VW-CHA	STIS/CCD, ACCUM, 52X2	G750L 7751 A	CR-SPLIT=2			2 Secs (2 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
4	(733071)	(2) V-VW-CHA	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1207 Secs (1671 Secs) *[==>1671.0 Secs]*	 ***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 0.3X0.09	G750L 7751 A				 *[==>(Copy 1)]* *[==>(Copy 2)]*	 ***[1]***
6	(733050)	(2) V-VW-CHA	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				2967 Secs (3298 Secs) *[==>3298.0 Secs]*	 ***[2]***

Orbit Structure





Visit

Proposal 14193, Visit 07, implementation Sat Jul 25 02:20:47 GMT 2015

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER 06 BY 1.5 D TO 2.5 D

Fixed Targets

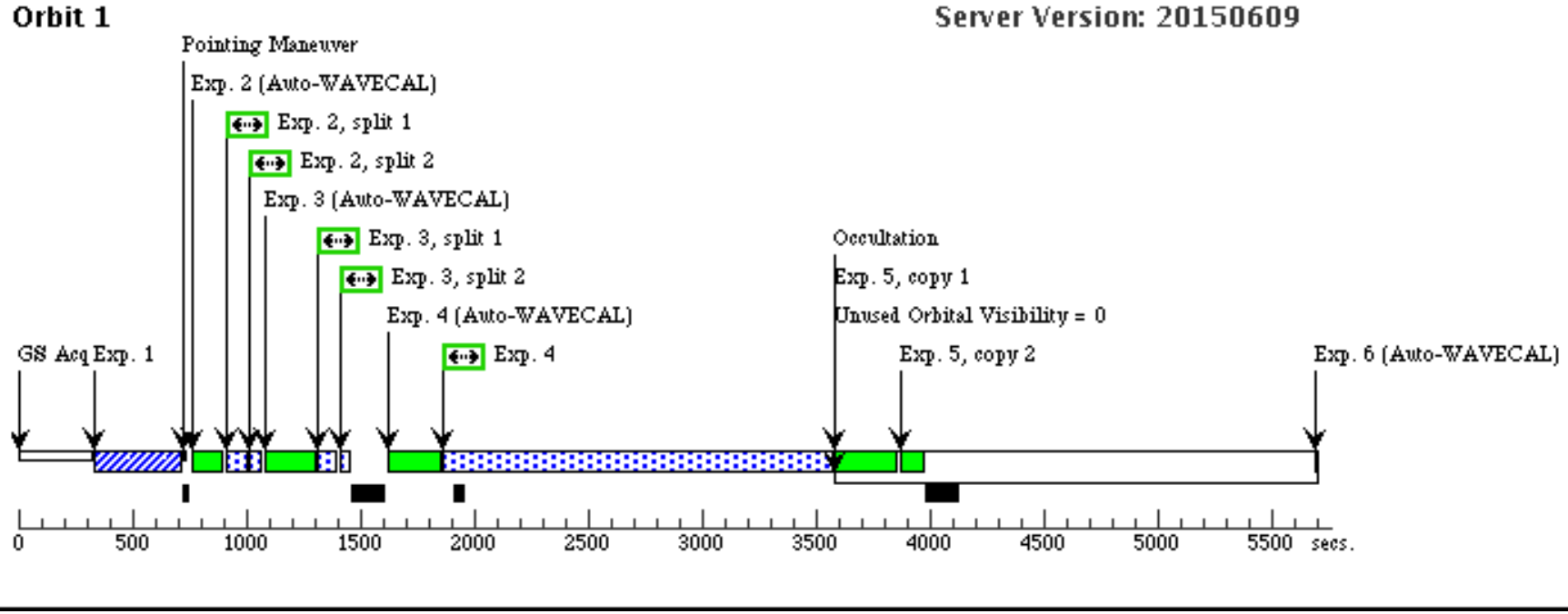
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	V-VW-CHA	RA: 11 08 1.4860 (167.0061917d) Dec: -77 42 28.85 (-77.70801d) Equinox: J2000		V=12.8	Reference Frame: ICRS

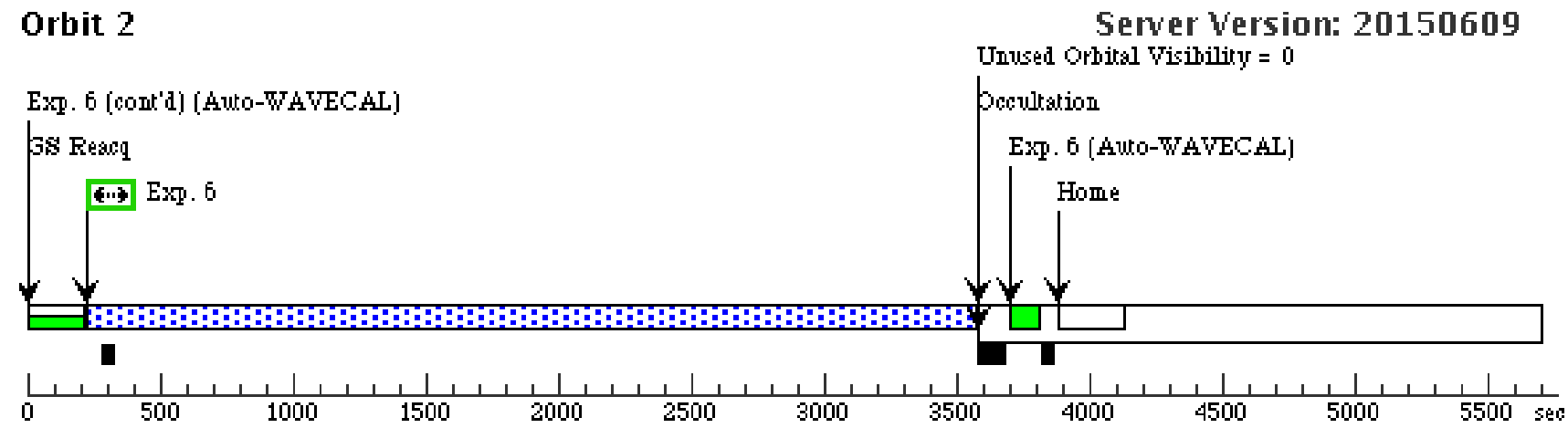
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) V-VW-CHA	STIS/CCD, ACQ, F28X50OII	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1B3		30 Secs (30 Secs) *[==>]*	 ***[1]***
2		(2) V-VW-CHA	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=2			25 Secs (25 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
3		(2) V-VW-CHA	STIS/CCD, ACCUM, 52X2	G750L 7751 A	CR-SPLIT=2			2 Secs (2 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
4	(733071)	(2) V-VW-CHA	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1207 Secs (1671 Secs) *[==>1671.0 Secs]*	 ***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 0.3X0.09	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***
6	(733050)	(2) V-VW-CHA	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				2967 Secs (3298 Secs) *[==>3298.0 Secs]*	 ***[2]***

Orbit Structure





Visit

Proposal 14193, Visit 08, implementation Sat Jul 25 02:20:47 GMT 2015

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER 07 BY 1.5 D TO 2.5 D

Fixed Targets

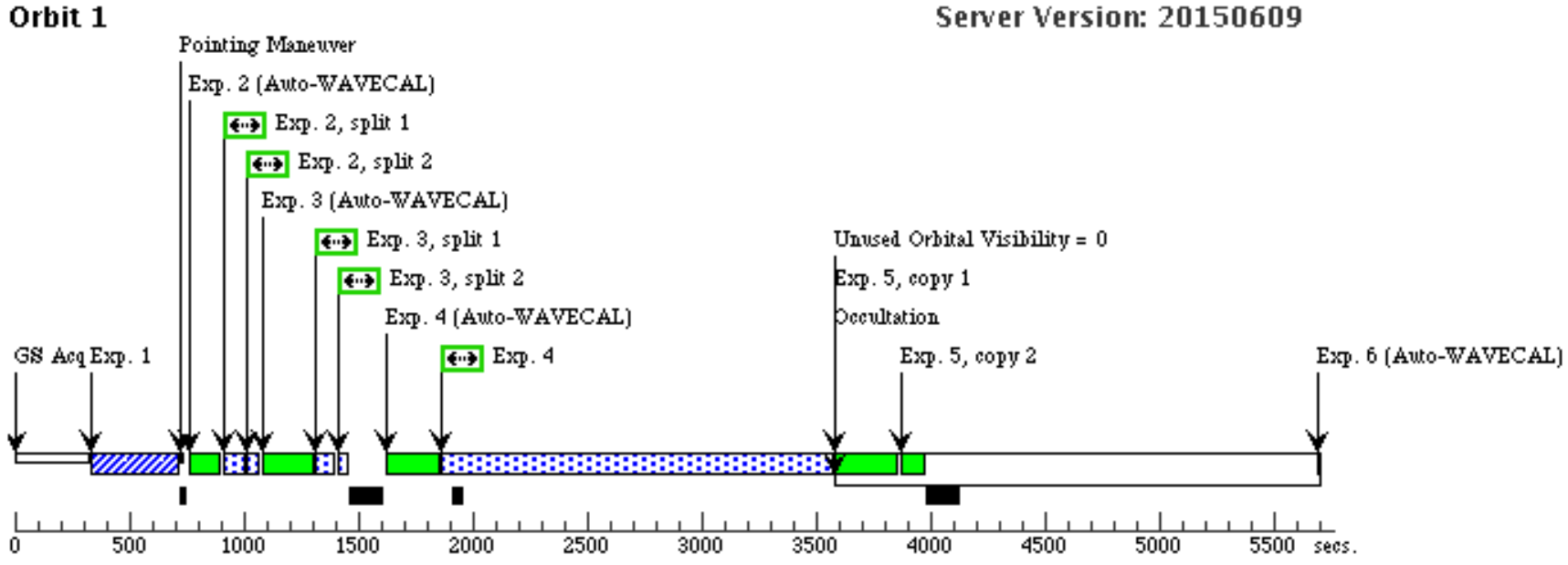
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	V-VW-CHA	RA: 11 08 1.4860 (167.0061917d) Dec: -77 42 28.85 (-77.70801d) Equinox: J2000		V=12.8	Reference Frame: ICRS

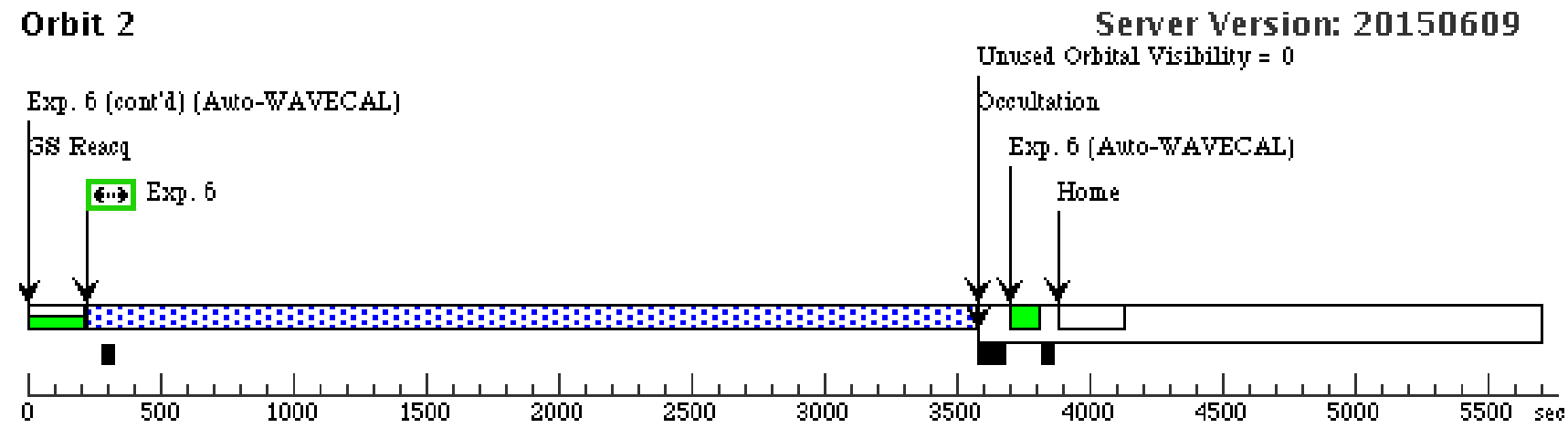
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) V-VW-CHA	STIS/CCD, ACQ, F28X50OII	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1B3		30 Secs (30 Secs) *[==>]*	 ***[1]***
2		(2) V-VW-CHA	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=2			25 Secs (25 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
3		(2) V-VW-CHA	STIS/CCD, ACCUM, 52X2	G750L 7751 A	CR-SPLIT=2			2 Secs (2 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
4	(733071)	(2) V-VW-CHA	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1207 Secs (1671 Secs) *[==>1671.0 Secs]*	 ***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 0.3X0.09	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***
6	(733050)	(2) V-VW-CHA	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				2967 Secs (3298 Secs) *[==>3298.0 Secs]*	 ***[2]***

Orbit Structure





Visit

Proposal 14193, Visit 09, implementation Sat Jul 25 02:20:47 GMT 2015

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER 08 BY 1.5 D TO 2.5 D

Fixed Targets

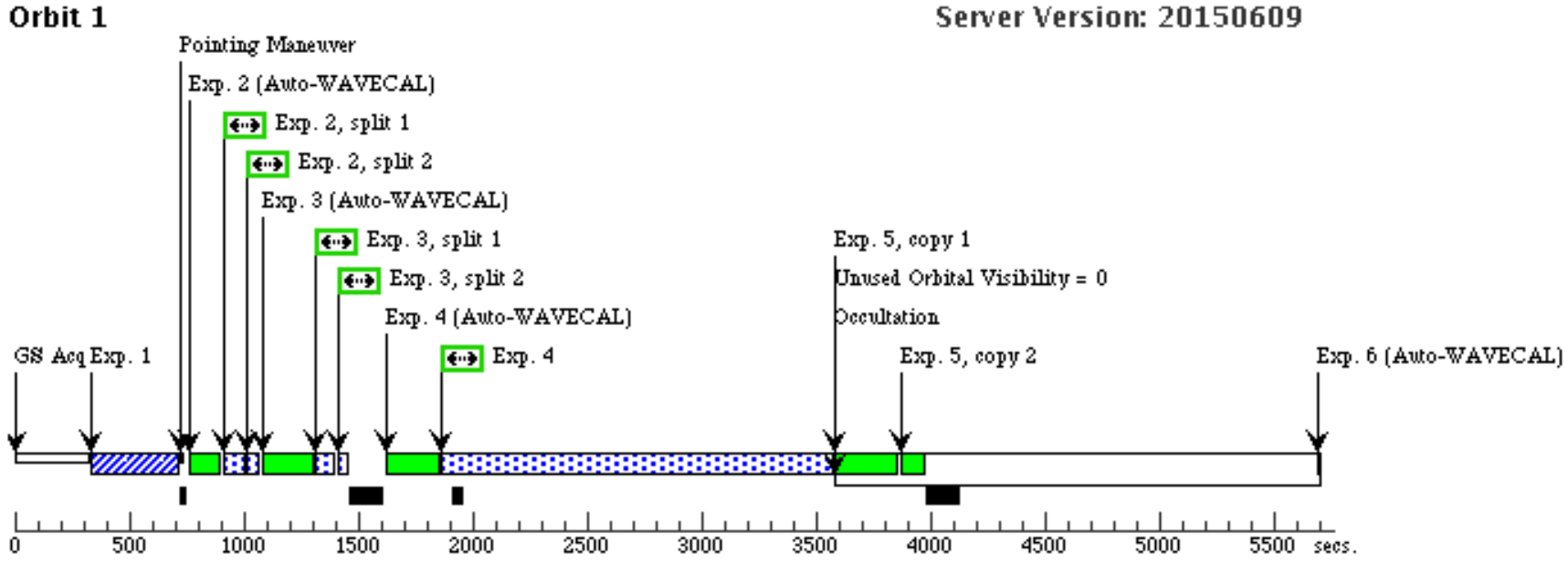
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	V-VW-CHA	RA: 11 08 1.4860 (167.0061917d) Dec: -77 42 28.85 (-77.70801d) Equinox: J2000		V=12.8	Reference Frame: ICRS

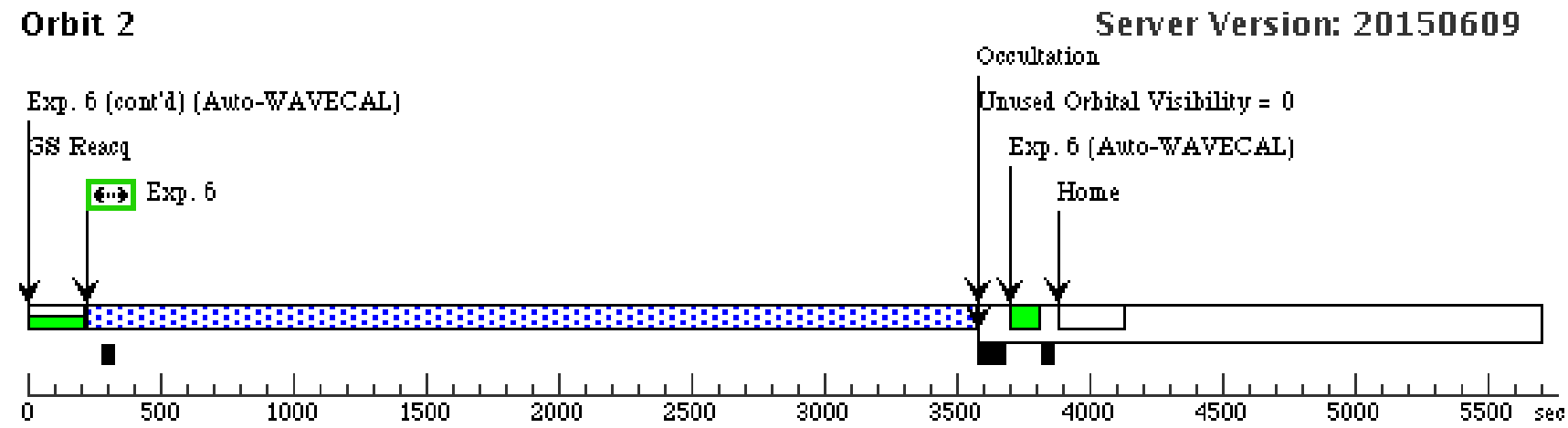
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) V-VW-CHA	STIS/CCD, ACQ, F28X50OII	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1B3		30 Secs (30 Secs) *[==>]*	 ***[1]***
2		(2) V-VW-CHA	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=2			25 Secs (25 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
3		(2) V-VW-CHA	STIS/CCD, ACCUM, 52X2	G750L 7751 A	CR-SPLIT=2			2 Secs (2 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
4	(733071)	(2) V-VW-CHA	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1207 Secs (1671 Secs) *[==>1671.0 Secs]*	 ***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 0.3X0.09	G750L 7751 A				 *[==>(Copy 1)]* *[==>(Copy 2)]*	 ***[1]***
6	(733050)	(2) V-VW-CHA	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				2967 Secs (3298 Secs) *[==>3298.0 Secs]*	 ***[2]***

Orbit Structure





Visit

Proposal 14193, Visit 10, implementation Sat Jul 25 02:20:47 GMT 2015

Diagnostic Status: No Diagnostics

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

Special Requirements: AFTER_09 BY 30 D TO 60 D; BETWEEN 30-OCT-2015:00:00:00 AND 01-AUG-2016:00:00:00

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	V-VW-CHA	RA: 11 08 1.4860 (167.0061917d) Dec: -77 42 28.85 (-77.70801d) Equinox: J2000		V=12.8	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) V-VW-CHA	STIS/CCD, ACQ, F28X50OII	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1B3		30 Secs (30 Secs) *[==>]*	 ***[1]***
2		(2) V-VW-CHA	STIS/CCD, ACCUM, 52X2	G430L 4300 A	CR-SPLIT=2			25 Secs (25 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
3		(2) V-VW-CHA	STIS/CCD, ACCUM, 52X2	G750L 7751 A	CR-SPLIT=2			2 Secs (2 Secs) *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
4	(733071)	(2) V-VW-CHA	STIS/NUV-MAMA, ACCUM, 52X2	G230L 2376 A				1207 Secs (1671 Secs) *[==>1671.0 Secs]*	 ***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 0.3X0.09	G750L 7751 A				 *[==>(Copy 1)]* *[==>(Copy 2)]*	 ***[1]***
6	(733050)	(2) V-VW-CHA	STIS/FUV-MAMA, ACCUM, 52X2	G140L 1425 A				2967 Secs (3298 Secs) *[==>3298.0 Secs]*	 ***[2]***

Orbit Structure