14050 - Exploring the Frontiers of Exoplanet Atmosphere Dynamics with NASA's Great Observatories

Cycle: 22, Proposal Category: GO

(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) 2MASS-J16371556+0711000	WFC3/IR	15	25-Jun-2015 21:05:22.0	yes
02	(1) 2MASS-J16371556+0711000	WFC3/IR	15	25-Jun-2015 21:10:20.0	yes
03	(1) 2MASS-J16371556+0711000	S/C	1	25-Jun-2015 21:10:57.0	yes

31 Total Orbits Used

ABSTRACT

We propose a joint Spitzer+HST program to explore the frontier of exoplanet atmosphere dynamics. We will pursue a multi-wavelength approach to create detailed maps of the thermal structure of two of the best target hot Jupiters. First, we will perform secondary eclipse mapping for WASP-18b

with Spitzer at 4.5 microns to complement existing Spitzer+HST phase curve observations. The combination of these data will yield the first ever map of an exoplanet's thermal structure as a function of latitude, longitude, and altitude, and provide a benchmark for 3D atmosphere circulation models of highly irradiated planets. Second, we will use a new technique pioneered by our team to observe full-orbit phase curves for WASP-103b with Spitzer and HST/WFC3. These observations will reveal the planet's phase-resolved emission spectrum and determine the global temperature-pressure profile and atmospheric composition, as well as its heat redistribution and Bond albedo. This program will significantly expand the sample of thoroughly characterized exoplanets and enable comparative planetology beyond the Solar System. Spitzer and HST are the facilities that have made the strongest contributions to our understanding of exoplanet atmospheres thus far, and we are now in a position to combine their powers in a strategic way to yield unprecedentedly detailed characterization of hot Jupiter atmospheric dynamics. This program will set the stage for even more precise investigations that will be possible with JWST.

OBSERVING DESCRIPTION

We will perform time-series spectroscopy using HST to measure two phase curves of WASP-103b. The observations will occur over two visits of 15 consecutive orbits each. We will use the WFC3 IR channel with the G141 grism to measure the planet-to-star flux ratio from 1.1 to 1.7 μm during a complete orbit of the planet. The observations will be very similar to our phase curve observations for WASP-43b for HST GO-13467.

The 15 orbits in each visit must be scheduled to avoid crossing the SAA.

The observations will be performed with the 256 x 256 subarray using NSAMP=15 (total time per exposure of 103 s) and the spatial scan mode with roundtrip scans to maximize the duty cycle (expected to be 80\%). We will use a scan rate of 0.024"/s, which will give peak counts of roughly 25k e-/pixel and a scan height of 20 pixels. Following standard procedure, we will use an extra orbit at the beginning of each visit to allow the telescope and detector to settle. We will take a direct image with the F126N filter at the beginning of each orbit for wavelength calibration.

The allowed detector orients were selected so that the spectrum of our target star does not overlap with the spectrum of the background star to the NE (at 16 37 16.2, 07 11 13.7).

The phase constraints for each visit were chosen to ensure sufficient baseline before and after the transit and eclipse.

Visit

Proposal 14050, WASP103-pc-G141-01 (01), completed Fri Jun 26 01:10:58 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR

Special Requirements: PCS MODE FINE; SCHED 100%; ORIENT 300.0D TO 300.0 D; Period 0.925545613 D AND ZERO-PHASE HJD2456836.29644555

Diagnostics

(WASP103-pc-G141-01 (01)) Warning (Orbit Planner): LONG SU LIKELY TO INTERSECT THE SAA

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	2MASS-J16371556+0711000	RA: 16 37 15.5680 (249.3148667d) Dec: +07 11 0.07 (7.18335d) Equinox: J2000		V=12.1	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0; PHASE 0.229 TO 0.251; GS ACQ SCENARIO BASE1B3	Sequence 1-2 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[1]***
2		(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 1-2 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[1]***
3		(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 3-5 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[2]***

	4	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 3-5 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[2]***
	5	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 3-5 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs (103.129 Secs) *[==>]*	***[2]***
	6	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 6-8 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[3]***

	7	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 6-8 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[3]***
	8	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 6-8 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs (103.129 Secs) *[==>]*	***[3]***
	9	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 9-11 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[4]***

	10	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 9-11 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[4]***
	11	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 9-11 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs (103.129 Secs) *[==>]*	***[4]***
	12	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 12-14 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[5]***

	13	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 12-14 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[5]***
	14	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 12-14 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs (103.129 Secs) *[==>]*	***[5]***
	15	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 15-17 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[6]***

	16	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 15-17 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[6]***
	17	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 15-17 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs (103.129 Secs) *[==>]*	***[6]***
	18	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 18-20 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[7]***

	19	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 18-20 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[7]***
	20	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 18-20 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs (103.129 Secs) *[==>]*	***[7]***
	21	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0; NEW OBSET; GS ACQ SCENARIO BASE1B3	Sequence 21-23 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[8]***

	22	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 21-23 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[8]***
	23	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 21-23 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs (103.129 Secs) *[==>]*	***[8]***
	24	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 24-26 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[9]***

	25	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.0 24,90.0 Degrees,Round trip	Sequence 24-26 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[9]***
	26	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.0 24,90.0 Degrees,Forward	Sequence 24-26 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs (103.129 Secs) *[==>]*	***[9]***
	27	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 27-29 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[10]***

	28	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 27-29 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[10]***
	29	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 27-29 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs (103.129 Secs) *[==>]*	***[10]***
	30	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 30-32 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[11]***

	31	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 30-32 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[11]***
	32	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 30-32 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs (103.129 Secs) *[==>]*	***[11]***
	33	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 33-35 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[12]***

	34	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 33-35 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[12]***
	35	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 33-35 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs (103.129 Secs) *[==>]*	***[12]***
	36	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 36-38 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[13]***

	37	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 36-38 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[13]***
	38	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 36-38 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs (103.129 Secs) *[==>]*	***[13]***
	39	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 39-41 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[14]***

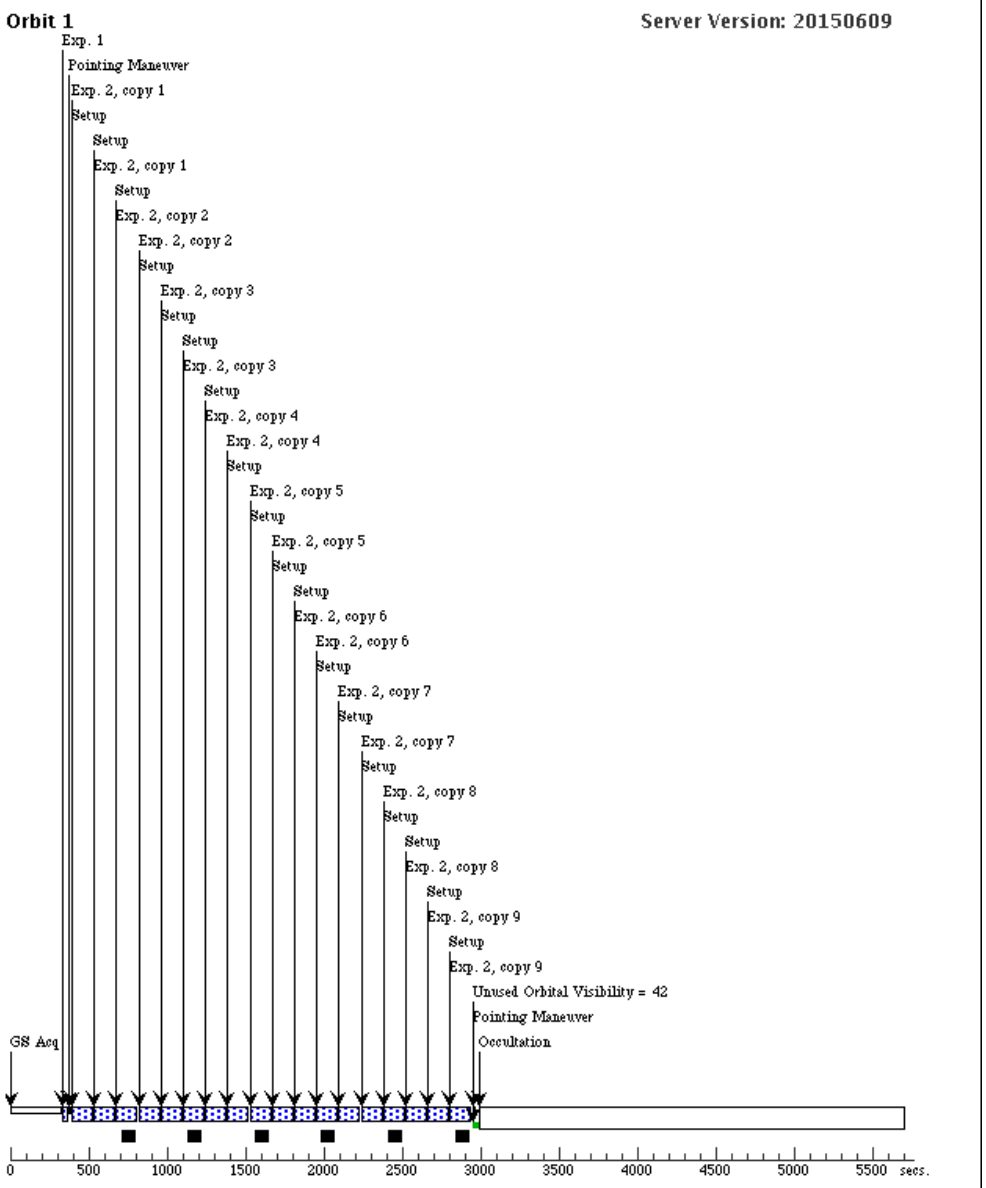
	40	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 39-41 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[14]***
	41	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 39-41 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs (103.129 Secs) *[==>]*	***[14]***
	42	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 42-44 Non-Int in WASP103-pc-G141-01 (01)	2.22252 Secs (2.223 Secs) *[==>]*	***[15]***
	43	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 42-44 Non-Int in WASP103-pc-G141-01 (01)	103.128633 Secs X 4 (825.029 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]*	***[15]***

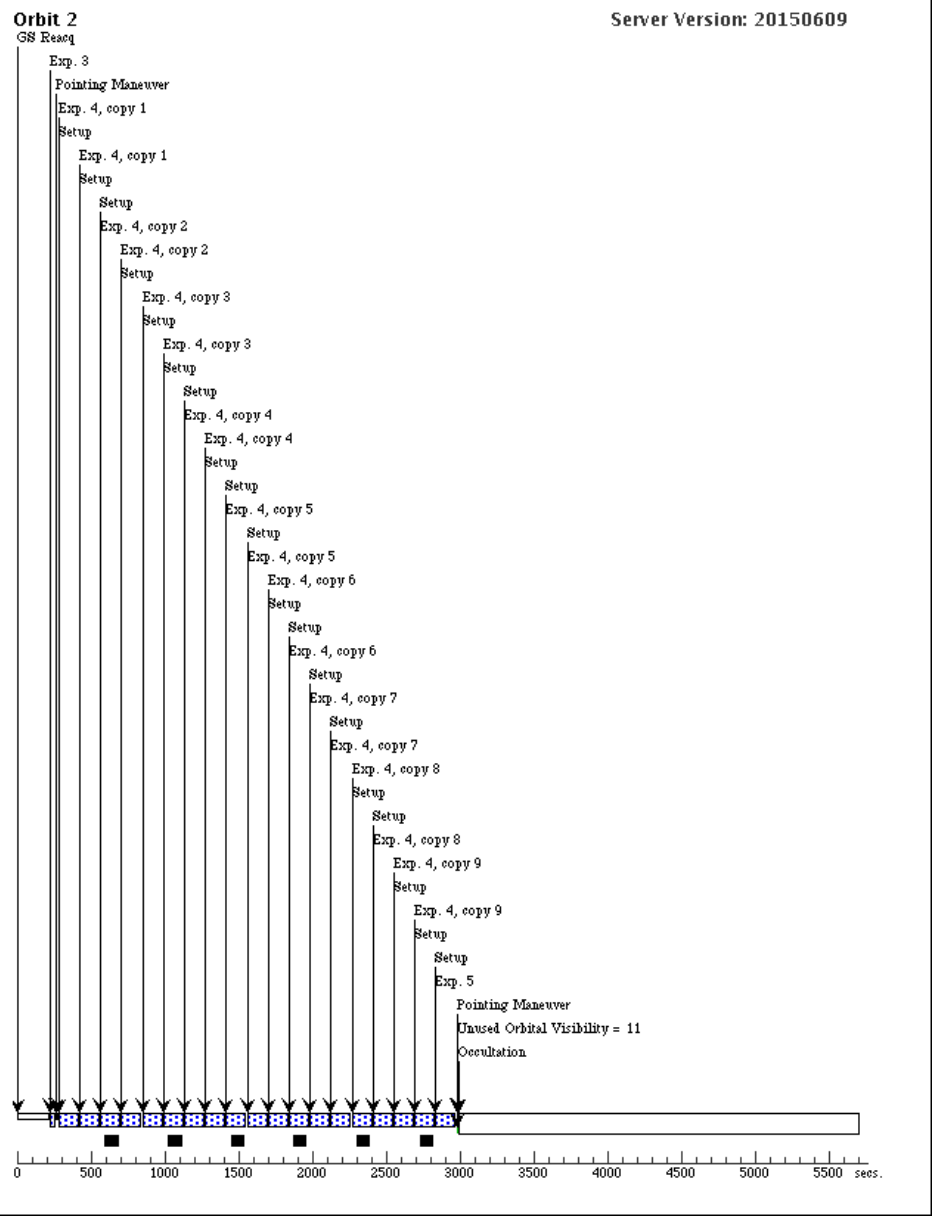
	44	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=3; SAMP-SEQ=SPARS10	Sequence 42-44 Non-Int in WASP103-pc-G141-01 (01)	14.970789 Secs X 46 (688.656 Secs)	

		[==>(Copy 1)] *[==>(Copy 2)]* *[==>(Copy 3)]* *[==>(Copy 4)]* *[==>(Copy 5)]* *[==>(Copy 6)]* *[==>(Copy 7)]* *[==>(Copy 8)]* *[==>(Copy 9)]* *[==>(Copy 10)]* *[==>(Copy 11)]* *[==>(Copy 12)]* *[==>(Copy 13)]* *[==>(Copy 14)]* *[==>(Copy 15)]* *[==>(Copy 16)]* *[==>(Copy 17)]* *[==>(Copy 18)]* *[==>(Copy 19)]* *[==>(Copy 20)]* *[==>(Copy 21)]* *[==>(Copy 22)]* *[==>(Copy 23)]* *[==>(Copy 24)]* *[==>(Copy 25)]* *[==>(Copy 26)]* *[==>(Copy 27)]* *[==>(Copy 28)]* *[==>(Copy 29)]* *[==>(Copy 30)]* *[==>(Copy 31)]* *[==>(Copy 32)]* *[==>(Copy 33)]* *[==>(Copy 34)]* *[==>(Copy 35)]* *[==>(Copy 36)]* *[==>(Copy 37)]* *[==>(Copy 38)]* *[==>(Copy 39)]* *[==>(Copy 40)]* *[==>(Copy 41)]* *[==>(Copy 42)]* *[==>(Copy 43)]* *[==>(Copy 44)]* *[==>(Copy 45)]*	***[15]***

		[==>(Copy 46)]	

Orbit Structure




Orbit 2
Server Version: 20150609
GS Reacq
Exp. 3
Pointing Maneuver
Exp. 4, copy 1
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Exp. 4, copy 1
Setup
Setup
Exp. 4, copy 2
Exp. 4, copy 2
Setup
Exp. 4, copy 3
Setup
Exp. 4, copy 3
Setup
Setup
Exp. 4, copy 4
Exp. 4, copy 4
Setup
Setup
Exp. 4, copy 5
Setup
Exp. 4, copy 5
Exp. 4, copy 6
Setup
Setup
Exp. 4, copy 6
Setup
Exp. 4, copy 7
Setup
Exp. 4, copy 7
Exp. 4, copy 8
Setup
Setup
Exp. 4, copy 8
Exp. 4, copy 9
Setup
Exp. 4, copy 9
Setup
Setup
Exp. 5
Pointing Maneuver
Unused Orbital Visibility = 11
Occultation
0
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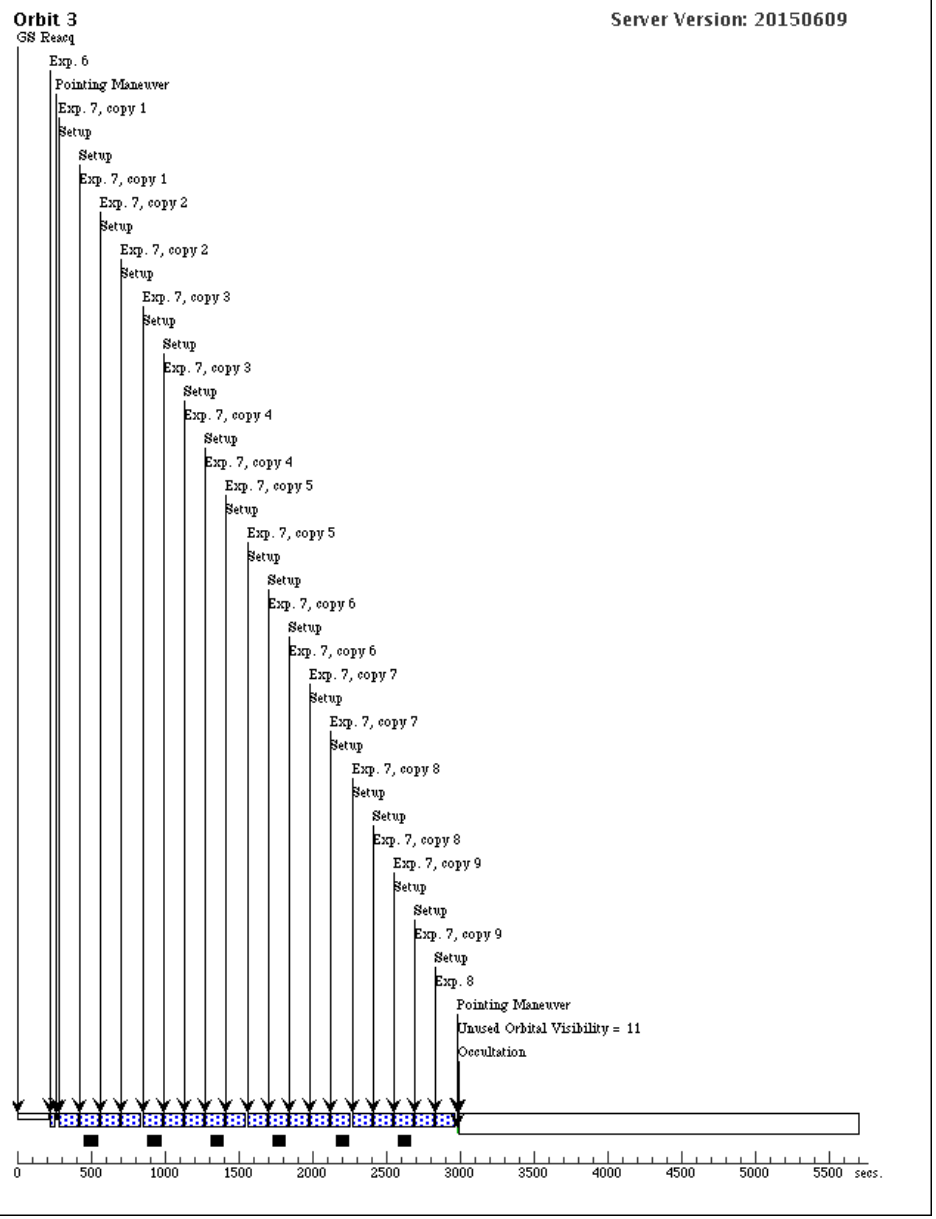
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 3
Server Version: 20150609
GS Reacq
Exp. 6
Pointing Maneuver
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Exp. 7, copy 1
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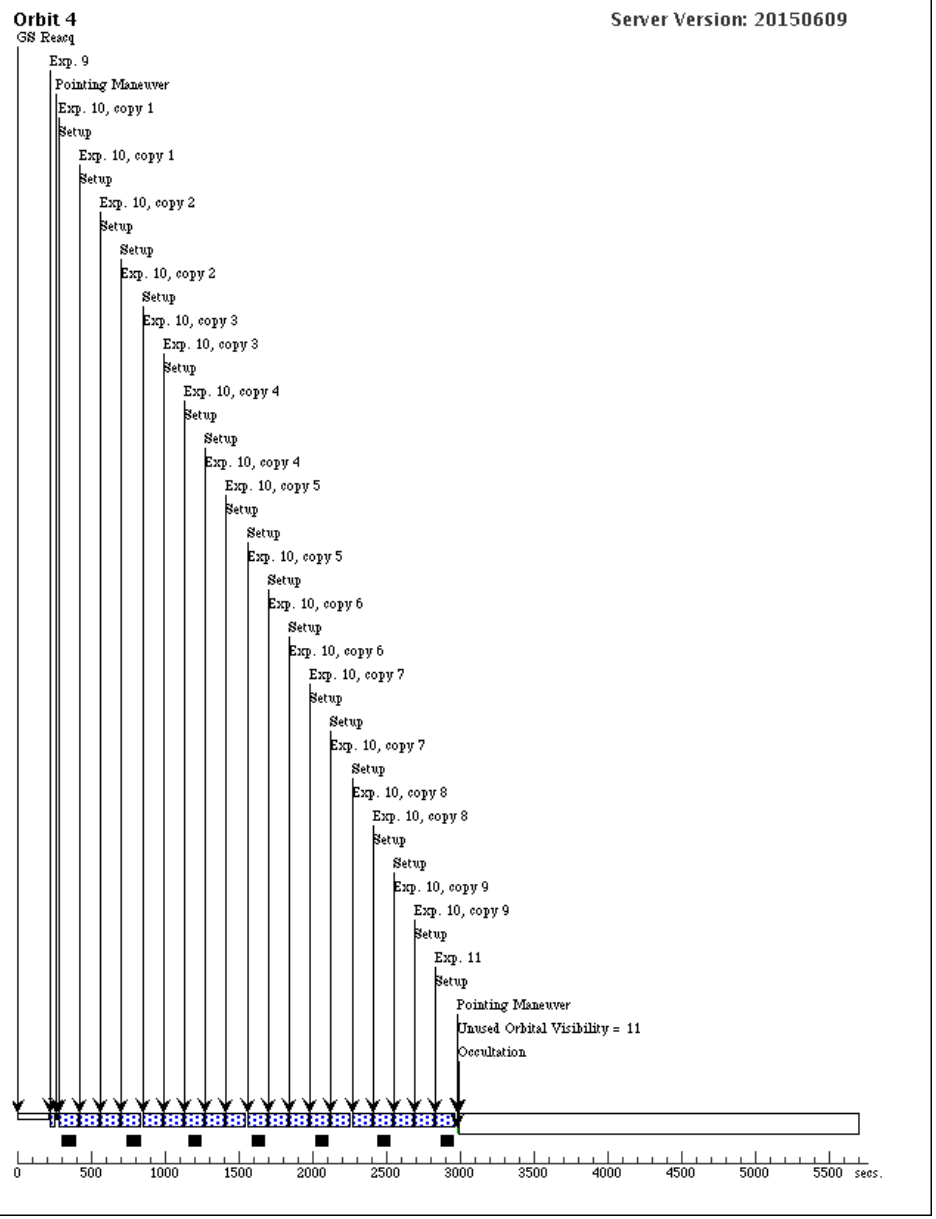
Setup
Exp. 7, copy 2
Setup
Exp. 7, copy 3
Setup
Setup
Exp. 7, copy 3
Setup
Exp. 7, copy 4
Setup
Exp. 7, copy 4
Exp. 7, copy 5
Setup
Exp. 7, copy 5
Setup
Setup
Exp. 7, copy 6
Setup
Exp. 7, copy 6
Exp. 7, copy 7
Setup
Exp. 7, copy 7
Setup
Exp. 7, copy 8
Setup
Setup
Exp. 7, copy 8
Exp. 7, copy 9
Setup
Setup
Exp. 7, copy 9
Setup
Exp. 8
Pointing Maneuver
Unused Orbital Visibility = 11
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 4
Server Version: 20150609
GS Reacq
Exp. 9
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Setup
Exp. 10, copy 2
Setup
Exp. 10, copy 3
Exp. 10, copy 3
Setup
Exp. 10, copy 4
Setup
Setup
Exp. 10, copy 4
Exp. 10, copy 5
Setup
Setup
Exp. 10, copy 5
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Setup
Setup
Exp. 10, copy 7
Setup
Exp. 10, copy 8
Exp. 10, copy 8
Setup
Setup
Exp. 10, copy 9
Exp. 10, copy 9
Setup
Exp. 11
Setup
Pointing Maneuver
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Occultation
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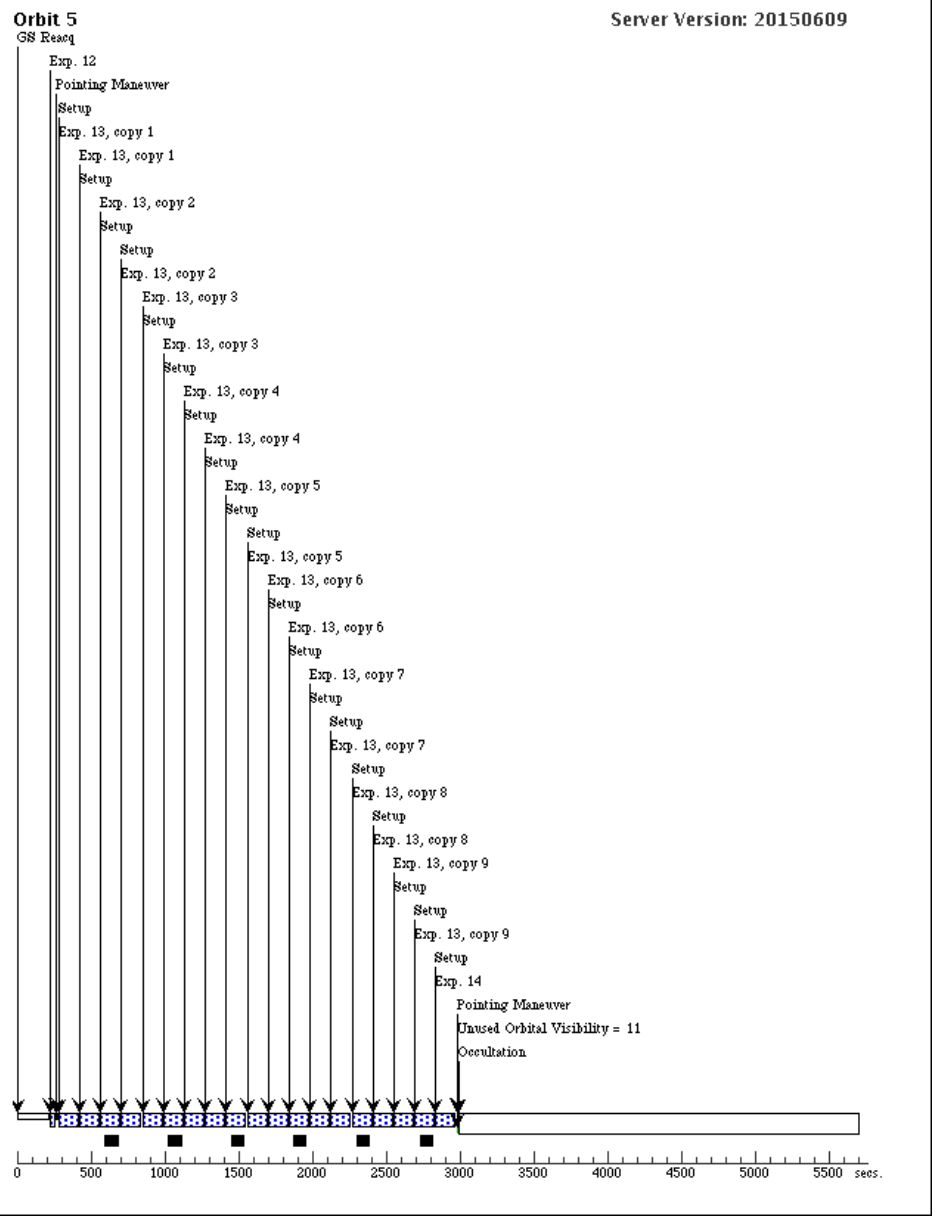
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 5
Server Version: 20150609
GS Reacq
Exp. 12
Pointing Maneuver
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Setup
Setup
Exp. 13, copy 2
Exp. 13, copy 3
Setup
Exp. 13, copy 3
Setup
Exp. 13, copy 4
Setup
Exp. 13, copy 4
Setup
Exp. 13, copy 5
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Setup
Exp. 13, copy 5
Exp. 13, copy 6
Setup
Exp. 13, copy 6
Setup
Exp. 13, copy 7
Setup
Setup
Exp. 13, copy 7
Setup
Exp. 13, copy 8
Setup
Exp. 13, copy 8
Exp. 13, copy 9
Setup
Setup
Exp. 13, copy 9
Setup
Exp. 14
Pointing Maneuver
Unused Orbital Visibility = 11
Occultation
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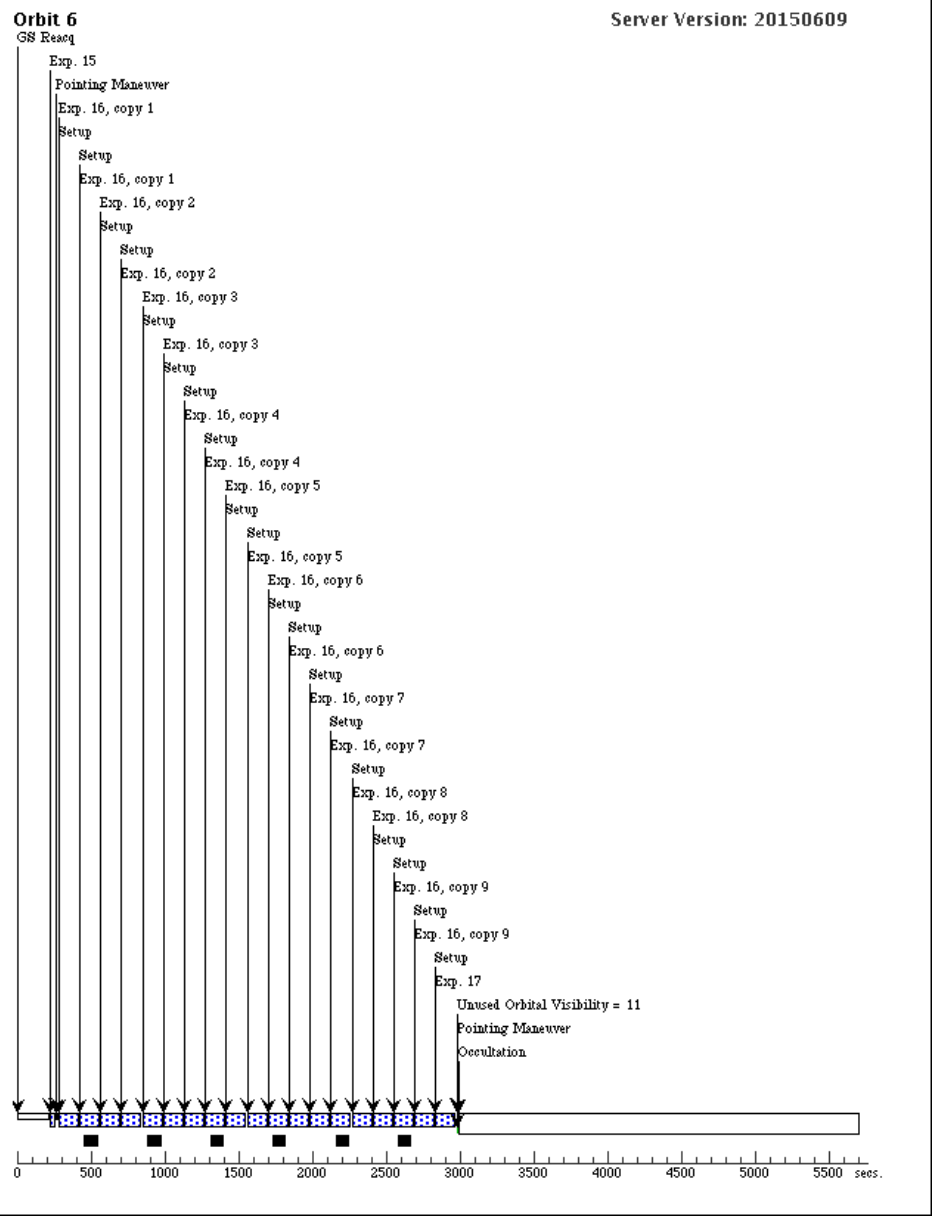
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 6
Server Version: 20150609
GS Reacq
Exp. 15
Pointing Maneuver
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Exp. 16, copy 1
Exp. 16, copy 2
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Setup
Exp. 16, copy 4
Exp. 16, copy 5
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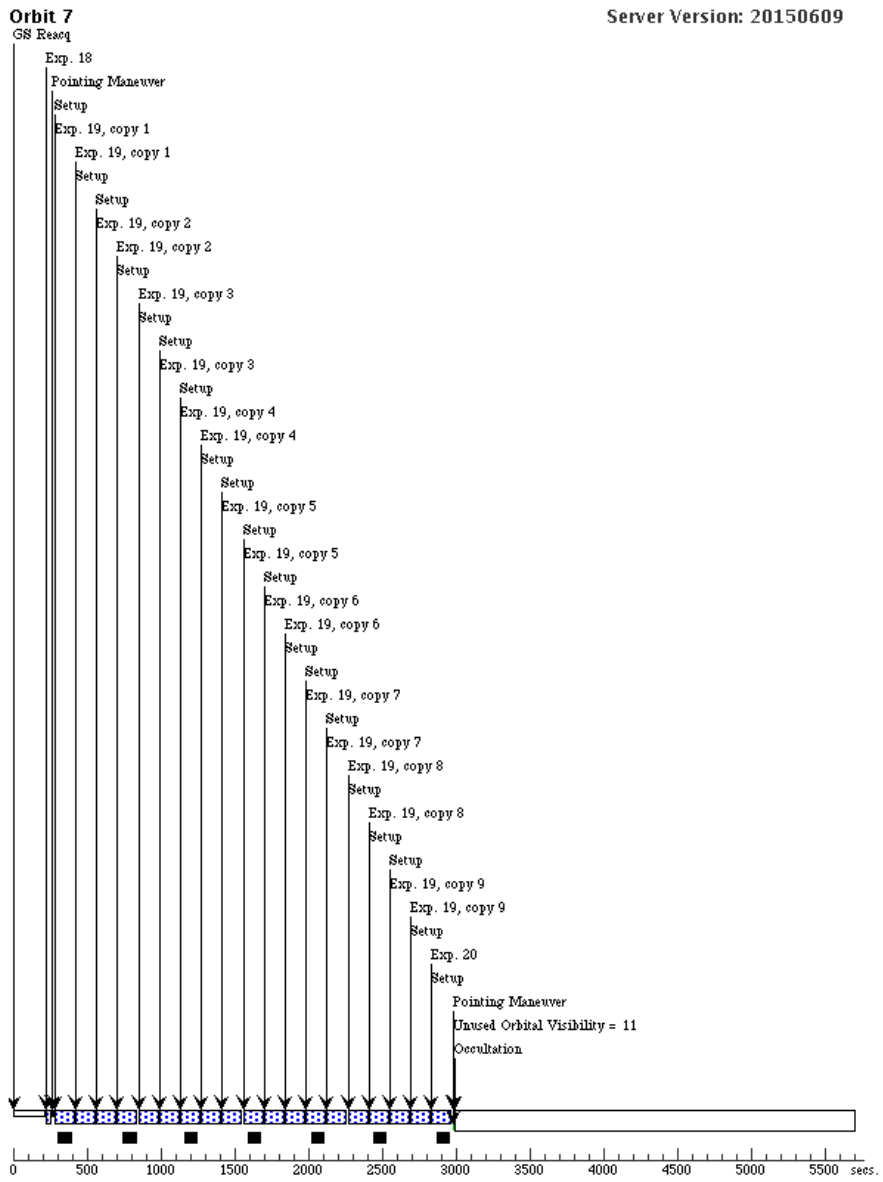
Setup
Exp. 16, copy 5
Exp. 16, copy 6
Setup
Setup
Exp. 16, copy 6
Setup
Exp. 16, copy 7
Setup
Exp. 16, copy 7
Setup
Exp. 16, copy 8
Exp. 16, copy 8
Setup
Setup
Exp. 16, copy 9
Setup
Exp. 16, copy 9
Setup
Exp. 17
Unused Orbital Visibility = 11
Pointing Maneuver
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 7
Server Version: 20150609
GS Reacq
Exp. 18
Pointing Maneuver
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Exp. 19, copy 2
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Exp. 19, copy 3
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Setup
Exp. 19, copy 3
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Exp. 19, copy 4
Exp. 19, copy 4
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Setup
Exp. 19, copy 5
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Exp. 19, copy 5
Setup
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Setup
Exp. 19, copy 7
Exp. 19, copy 8
Setup
Exp. 19, copy 8
Setup
Setup
Exp. 19, copy 9
Exp. 19, copy 9
Setup
Exp. 20
Setup
Pointing Maneuver
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Occultation
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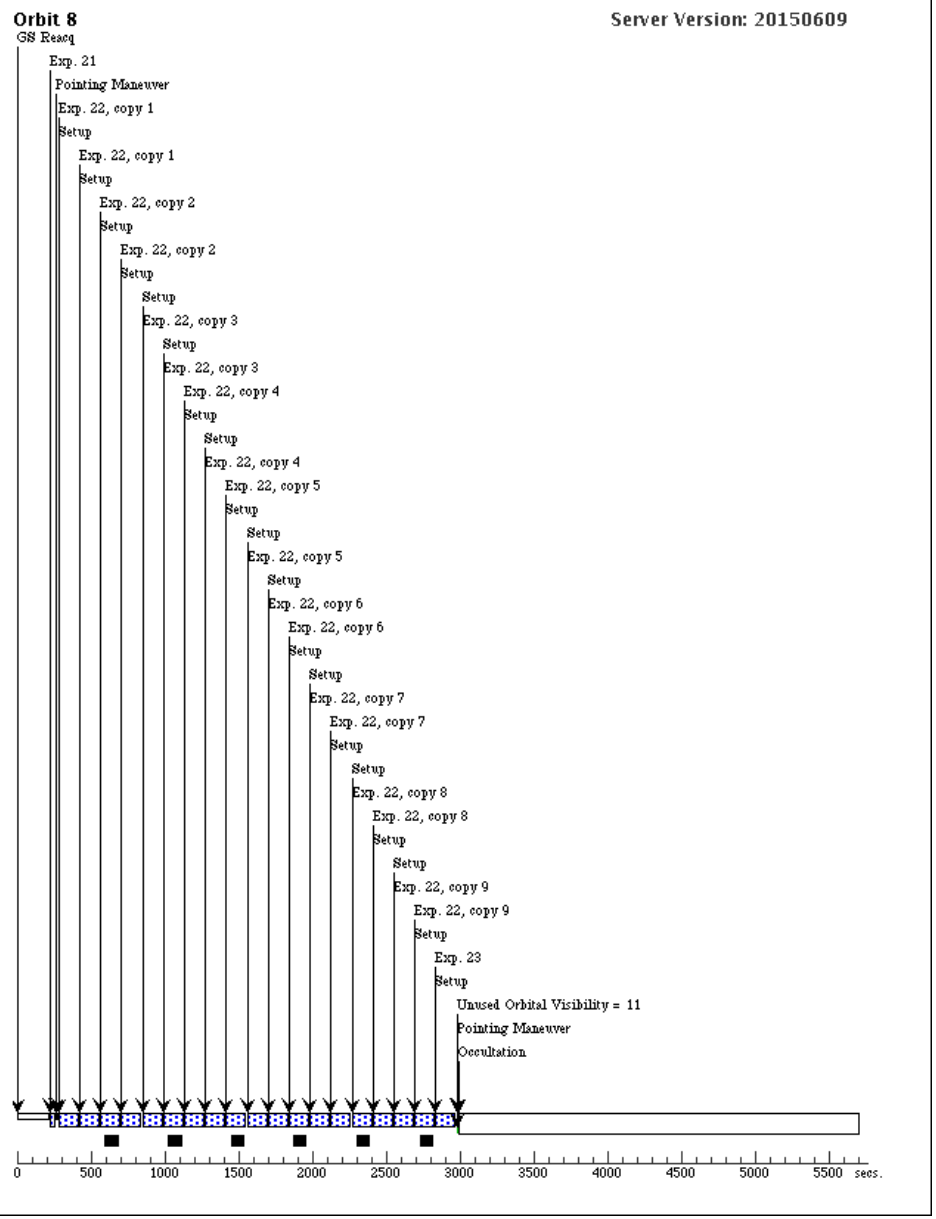
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 8
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Exp. 22, copy 2
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Setup
Exp. 22, copy 3
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Exp. 22, copy 3
Exp. 22, copy 4
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Exp. 22, copy 4
Exp. 22, copy 5
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Exp. 22, copy 5
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Exp. 22, copy 6
Exp. 22, copy 6
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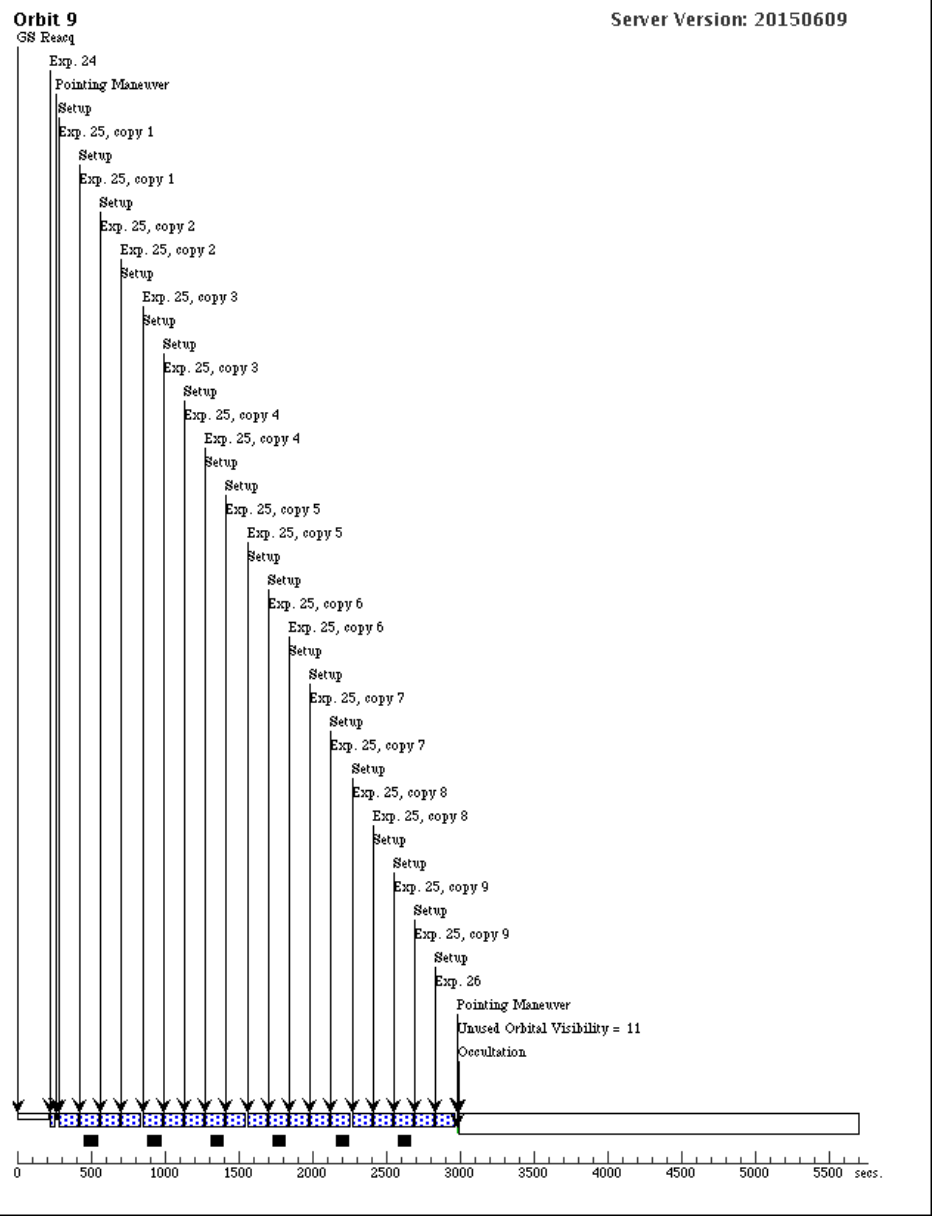
Setup
Exp. 22, copy 7
Exp. 22, copy 7
Setup
Setup
Exp. 22, copy 8
Exp. 22, copy 8
Setup
Setup
Exp. 22, copy 9
Exp. 22, copy 9
Setup
Exp. 23
Setup
Unused Orbital Visibility = 11
Pointing Maneuver
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 9
Server Version: 20150609
GS Reacq
Exp. 24
Pointing Maneuver
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Exp. 25, copy 1
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Exp. 25, copy 2
Setup
Exp. 25, copy 3
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Setup
Exp. 25, copy 3
Setup
Exp. 25, copy 4
Exp. 25, copy 4
Setup
Setup
Exp. 25, copy 5
Exp. 25, copy 5
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Exp. 25, copy 6
Exp. 25, copy 6
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Setup
Exp. 25, copy 7
Setup
Exp. 25, copy 7
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Exp. 25, copy 8
Exp. 25, copy 8
Setup
Setup
Exp. 25, copy 9
Setup
Exp. 25, copy 9
Setup
Exp. 26
Pointing Maneuver
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Occultation
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3500
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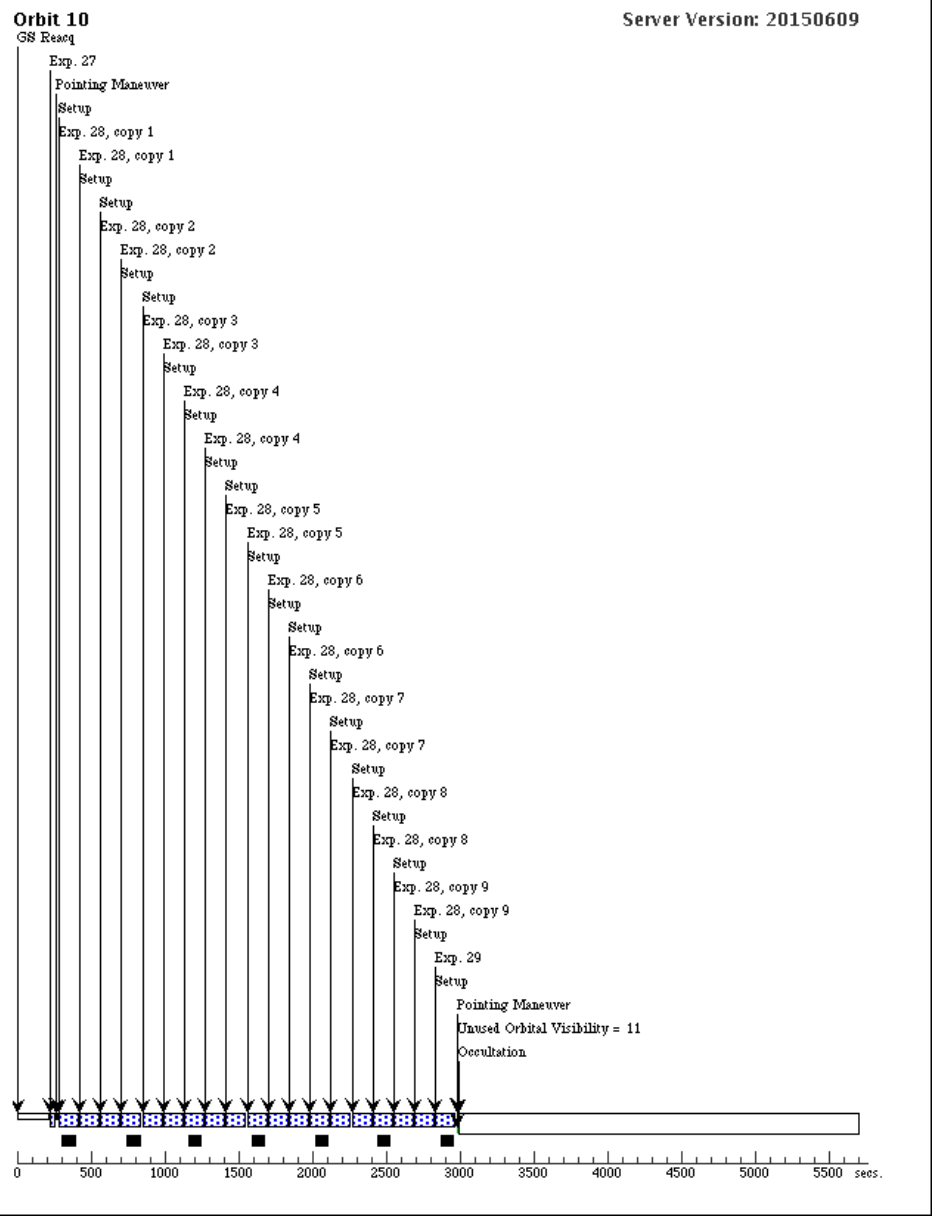
4500
5000
5500
secs.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Exp. 28, copy 2
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Exp. 28, copy 3
Exp. 28, copy 3
Setup
Exp. 28, copy 4
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Exp. 28, copy 4
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Setup
Exp. 28, copy 5
Exp. 28, copy 5
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Exp. 28, copy 6
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Exp. 28, copy 6
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Exp. 28, copy 7
Setup
Exp. 28, copy 7
Setup
Exp. 28, copy 8
Setup
Exp. 28, copy 8
Setup
Exp. 28, copy 9
Exp. 28, copy 9
Setup
Exp. 29
Setup
Pointing Maneuver
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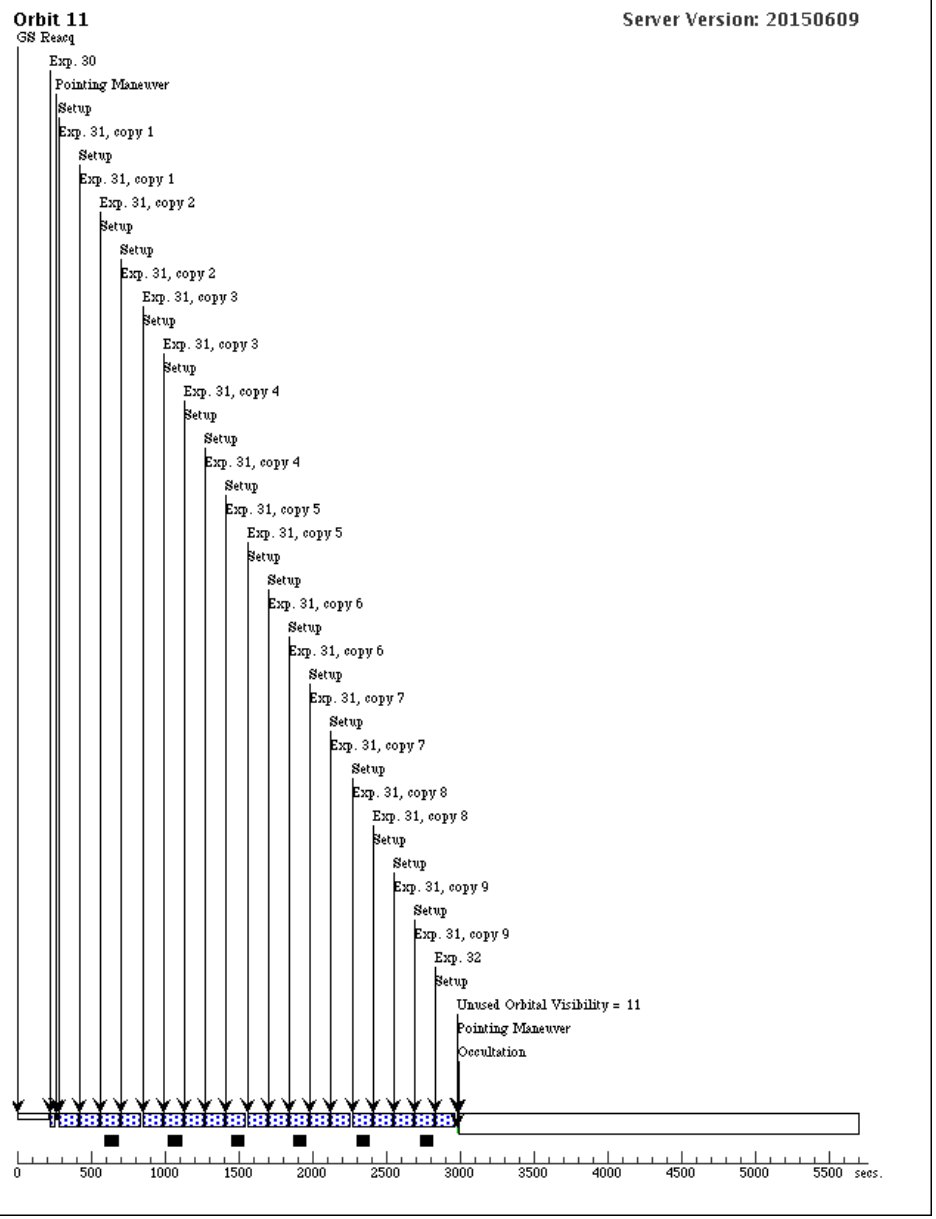
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 11
Server Version: 20150609
GS Reacq
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Pointing Maneuver
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Exp. 31, copy 1
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Exp. 31, copy 3
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Exp. 31, copy 4
Setup
Setup
Exp. 31, copy 4
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Exp. 31, copy 5
Exp. 31, copy 5
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Exp. 31, copy 6
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Exp. 31, copy 6
Setup
Exp. 31, copy 7
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Exp. 31, copy 7
Setup
Exp. 31, copy 8
Exp. 31, copy 8
Setup
Setup
Exp. 31, copy 9
Setup
Exp. 31, copy 9
Exp. 32
Setup
Unused Orbital Visibility = 11
Pointing Maneuver
Occultation
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1000
1500
2000
2500
3000
3500
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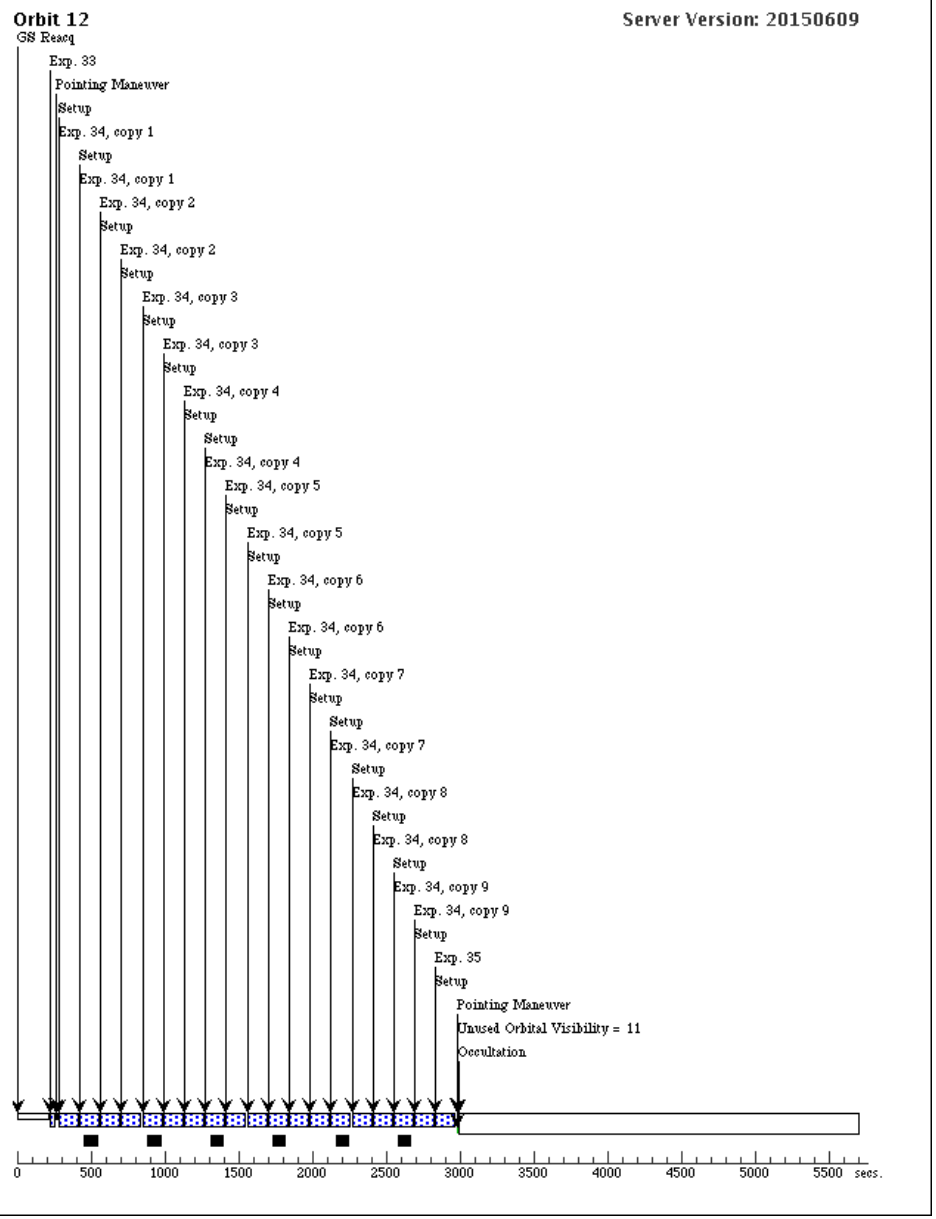
5500
secs.


Orbit 12
Server Version: 20150609
GS Reacq
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Pointing Maneuver
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Exp. 34, copy 2
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Exp. 34, copy 3
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Exp. 34, copy 3
Setup
Exp. 34, copy 4
Setup
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Exp. 34, copy 5
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Exp. 34, copy 5
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Setup
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Exp. 34, copy 7
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Exp. 34, copy 8
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Exp. 34, copy 8
Setup
Exp. 34, copy 9
Exp. 34, copy 9
Setup
Exp. 35
Setup
Pointing Maneuver
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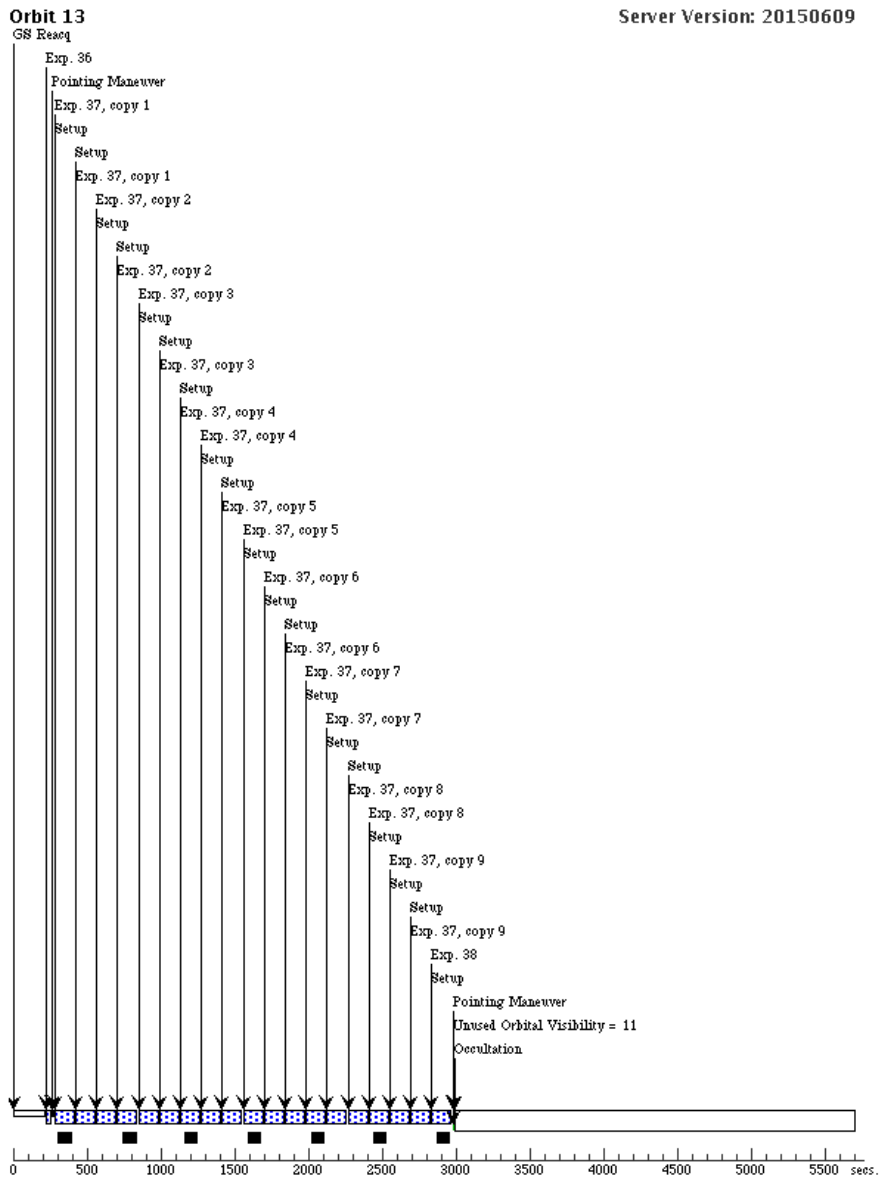
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 13
Server Version: 20150609
GS Reacq
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Exp. 37, copy 9
Setup
Setup
Exp. 37, copy 9
Exp. 38
Setup
Pointing Maneuver
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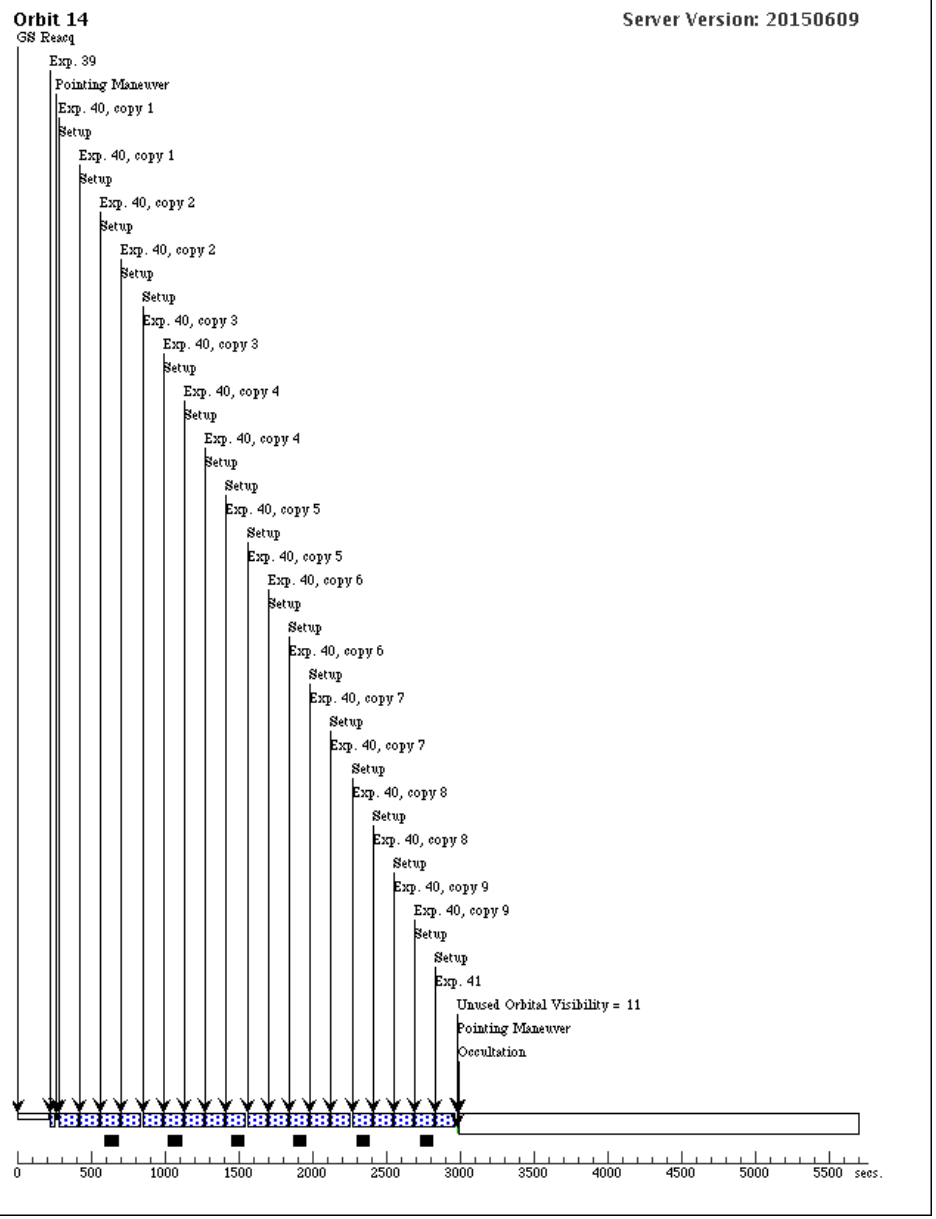
secs.


Orbit 14
Server Version: 20150609
GS Reacq
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Pointing Maneuver
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Exp. 40, copy 2
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Exp. 40, copy 8
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Exp. 40, copy 8
Setup
Exp. 40, copy 9
Exp. 40, copy 9
Setup
Setup
Exp. 41
Unused Orbital Visibility = 11
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3500
4000
4500
5000
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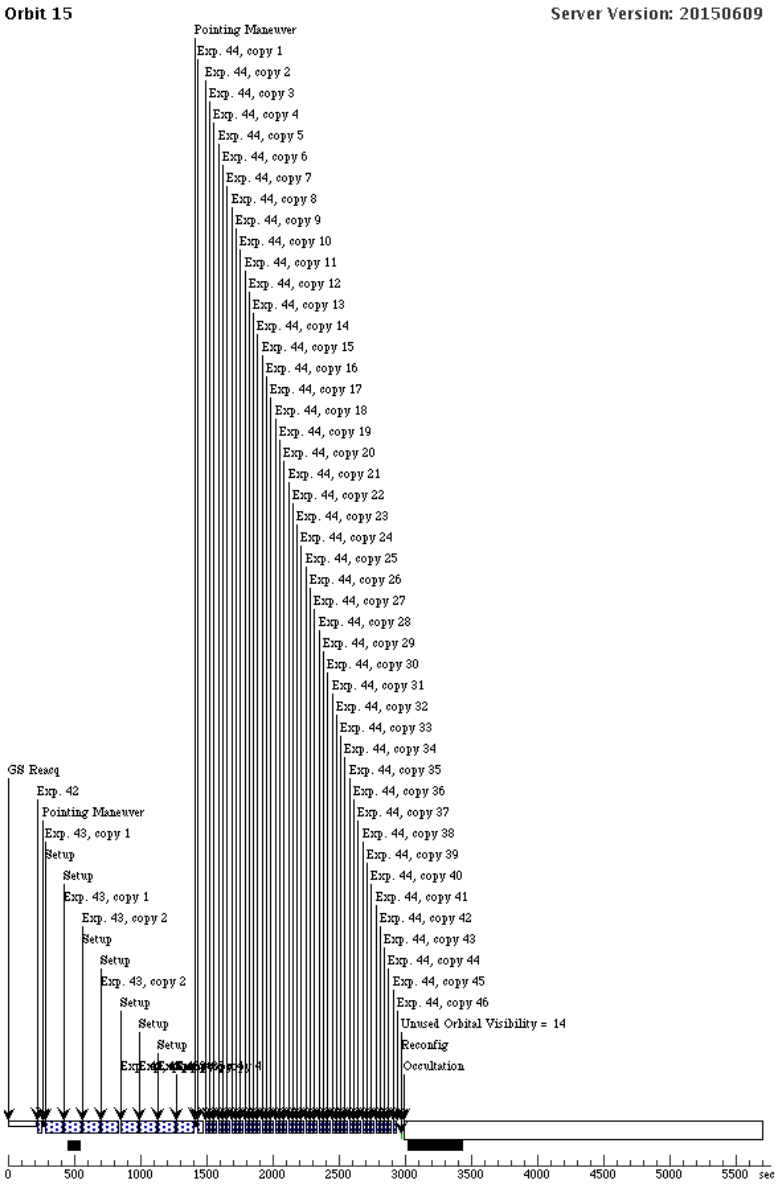
secs.


Orbit 15
Server Version: 20150609
Pointing Maneuver
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Exp. 44, copy 10
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Exp. 44, copy 12
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Exp. 44, copy 15
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Exp. 44, copy 19
Exp. 44, copy 20
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Exp. 44, copy 22
Exp. 44, copy 23
Exp. 44, copy 24
Exp. 44, copy 25
Exp. 44, copy 26
Exp. 44, copy 27
Exp. 44, copy 28
Exp. 44, copy 29
Exp. 44, copy 30
Exp. 44, copy 31
Exp. 44, copy 32
Exp. 44, copy 33
Exp. 44, copy 34
Exp. 44, copy 35
Exp. 44, copy 36
Exp. 44, copy 37
Exp. 44, copy 38
Exp. 44, copy 39
Exp. 44, copy 40
Exp. 44, copy 41
Exp. 44, copy 42
Exp. 44, copy 43
Exp. 44, copy 44
Exp. 44, copy 45
Exp. 44, copy 46
Unused Orbital Visibility = 14
Reconfig
Occultation
GS Reacq
Exp. 42
Pointing Maneuver
Exp. 43, copy 1
Setup
Setup
Exp. 43, copy 1
Exp. 43, copy 2
Setup
Setup
Exp. 43, copy 2
Setup
Setup
Setup
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14050, WASP103-pc-G141-02 (02), implementation Fri Jun 26 01:11:03 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: WFC3/IR

Special Requirements: PCS MODE FINE; SCHED 100%; ORIENT 120D TO 134 D; Period 0.925545613 D AND ZERO-PHASE HJD2456836.29644555

Diagnostics

(WASP103-pc-G141-02 (02)) Warning (Orbit Planner): LONG SU LIKELY TO INTERSECT THE SAA

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	2MASS-J16371556+0711000	RA: 16 37 15.5680 (249.3148667d) Dec: +07 11 0.07 (7.18335d) Equinox: J2000		V=12.1	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0; PHASE 0.769 TO 0.791; GS ACQ SCENARIO BASE1B3	Sequence 1-2 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	*[1]*
2		(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.0 24,90.0 Degrees,Round trip	Sequence 1-2 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	*[1]*
3		(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 3-5 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	*[2]*

	4	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 3-5 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[2]***
	5	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 3-5 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs (103.129 Secs) *[==>]*	***[2]***
	6	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 6-8 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	***[3]***

	7	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 6-8 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[3]***
	8	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 6-8 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs (103.129 Secs) *[==>]*	***[3]***
	9	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 9-11 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	***[4]***

	10	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 9-11 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[4]***
	11	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 9-11 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs (103.129 Secs) *[==>]*	***[4]***
	12	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 12-14 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	***[5]***

	13	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 12-14 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[5]***
	14	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 12-14 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs (103.129 Secs) *[==>]*	***[5]***
	15	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 15-17 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	***[6]***
	16	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 15-17 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 8 (1650.058 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]*	***[6]***

17	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 15-17 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs (103.129 Secs) *[==>]*	 ***[6]***
18	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 18-20 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	 ***[7]***
19	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 18-20 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 7 (1443.801 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]*	 ***[7]***
20	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 18-20 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs (103.129 Secs) *[==>]*	 ***[7]***
21	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0; NEW OBSET; GS ACQ SCENARIO BASE1B3	Sequence 21-23 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	 ***[8]***
22	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 21-23 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 7 (1443.801 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]*	 ***[8]***

23	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.0 24,90.0 Degrees,Forward	Sequence 21-23 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs (103.129 Secs) *[==>]*	***[8]***
24	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 24-26 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	***[9]***
25	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.0 24,90.0 Degrees,Round trip	Sequence 24-26 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[9]***
26	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.0 24,90.0 Degrees,Forward	Sequence 24-26 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs (103.129 Secs) *[==>]*	***[9]***
27	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 27-29 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	***[10]***

	28	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 27-29 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[10]***
	29	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 27-29 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs (103.129 Secs) *[==>]*	***[10]***
	30	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 30-32 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	***[11]***

	31	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 30-32 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[11]***
	32	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 30-32 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs (103.129 Secs) *[==>]*	***[11]***
	33	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 33-35 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	***[12]***

	34	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 33-35 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[12]***
	35	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 33-35 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs (103.129 Secs) *[==>]*	***[12]***
	36	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 36-38 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	***[13]***

	37	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 36-38 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[13]***
	38	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 36-38 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs (103.129 Secs) *[==>]*	***[13]***
	39	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 39-41 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	***[14]***

	40	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 39-41 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 9 (1856.315 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]* *[==>(Copy 5, Forward)]* *[==>(Copy 5, Reverse)]* *[==>(Copy 6, Forward)]* *[==>(Copy 6, Reverse)]* *[==>(Copy 7, Forward)]* *[==>(Copy 7, Reverse)]* *[==>(Copy 8, Forward)]* *[==>(Copy 8, Reverse)]* *[==>(Copy 9, Forward)]* *[==>(Copy 9, Reverse)]*	***[14]***
	41	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Forward	Sequence 39-41 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs (103.129 Secs) *[==>]*	***[14]***
	42	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	F126N	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0	Sequence 42-44 Non-Int in WASP103-pc-G141-02 (02)	2.22252 Secs (2.223 Secs) *[==>]*	***[15]***
	43	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=15; SAMP-SEQ=SPARS10	POS TARG 0,0; SPATIAL SCAN 0.024,90.0 Degrees,Round trip	Sequence 42-44 Non-Int in WASP103-pc-G141-02 (02)	103.128633 Secs X 4 (825.029 Secs) *[==>(Copy 1, Forward)]* *[==>(Copy 1, Reverse)]* *[==>(Copy 2, Forward)]* *[==>(Copy 2, Reverse)]* *[==>(Copy 3, Forward)]* *[==>(Copy 3, Reverse)]* *[==>(Copy 4, Forward)]* *[==>(Copy 4, Reverse)]*	***[15]***

	44	(1) 2MASS-J16371556+0711000	WFC3/IR, MULTIACCUM, GRISM256	G141	NSAMP=3; SAMP-SEQ=SPARS10	Sequence 42-44 Non-Int in WASP103-pc-G141-02 (02)	14.970789 Secs X 46 (688.656 Secs)	

		[==>(Copy 1)] *[==>(Copy 2)]* *[==>(Copy 3)]* *[==>(Copy 4)]* *[==>(Copy 5)]* *[==>(Copy 6)]* *[==>(Copy 7)]* *[==>(Copy 8)]* *[==>(Copy 9)]* *[==>(Copy 10)]* *[==>(Copy 11)]* *[==>(Copy 12)]* *[==>(Copy 13)]* *[==>(Copy 14)]* *[==>(Copy 15)]* *[==>(Copy 16)]* *[==>(Copy 17)]* *[==>(Copy 18)]* *[==>(Copy 19)]* *[==>(Copy 20)]* *[==>(Copy 21)]* *[==>(Copy 22)]* *[==>(Copy 23)]* *[==>(Copy 24)]* *[==>(Copy 25)]* *[==>(Copy 26)]* *[==>(Copy 27)]* *[==>(Copy 28)]* *[==>(Copy 29)]* *[==>(Copy 30)]* *[==>(Copy 31)]* *[==>(Copy 32)]* *[==>(Copy 33)]* *[==>(Copy 34)]* *[==>(Copy 35)]* *[==>(Copy 36)]* *[==>(Copy 37)]* *[==>(Copy 38)]* *[==>(Copy 39)]* *[==>(Copy 40)]* *[==>(Copy 41)]* *[==>(Copy 42)]* *[==>(Copy 43)]* *[==>(Copy 44)]* *[==>(Copy 45)]*	***[15]***

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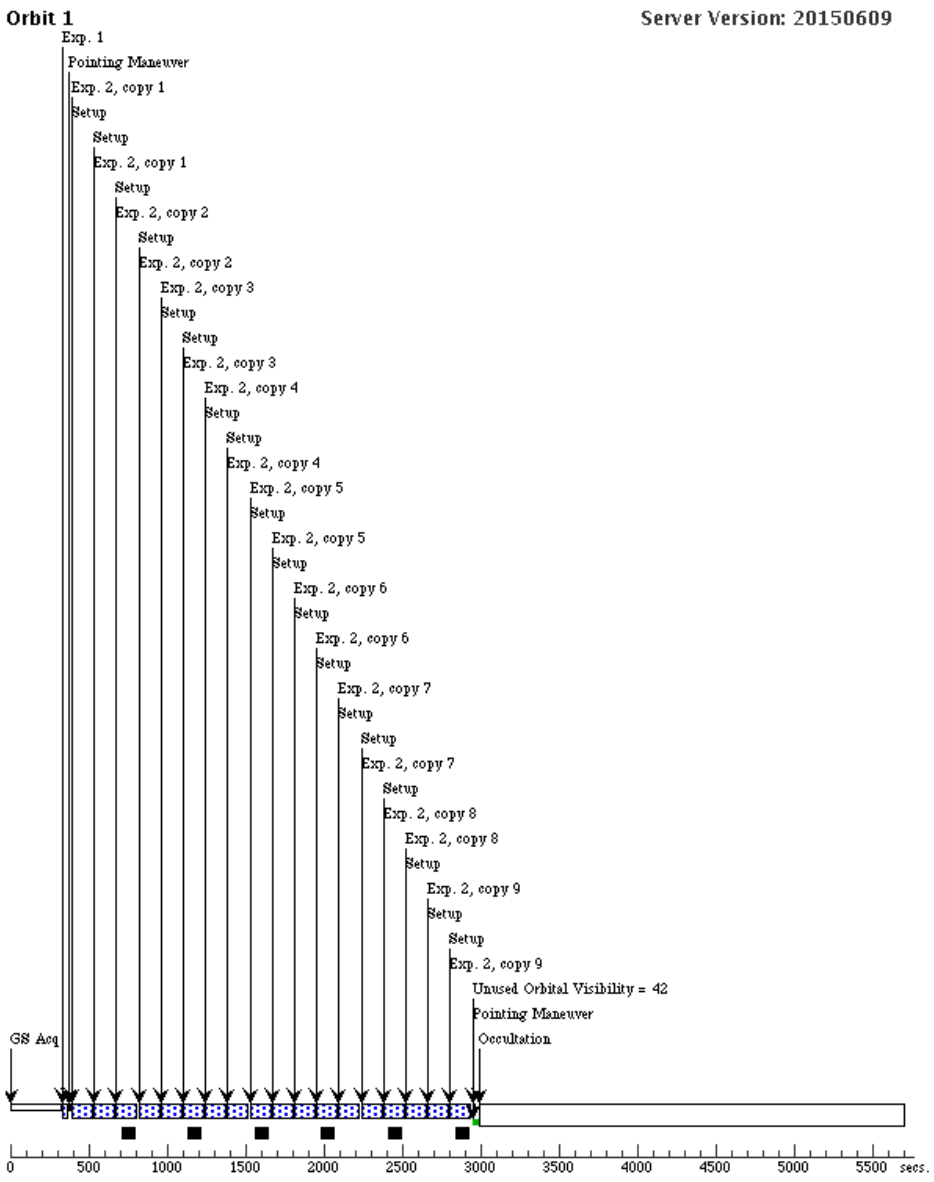
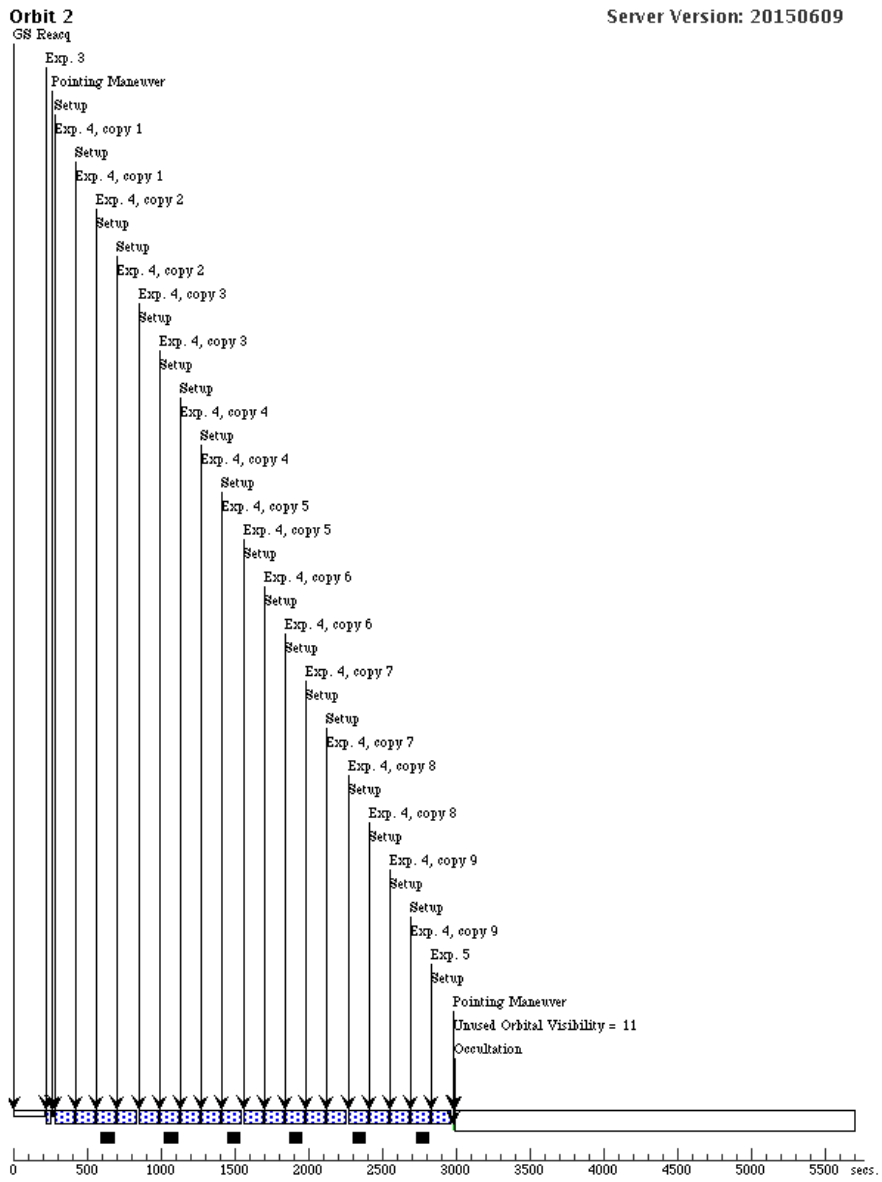
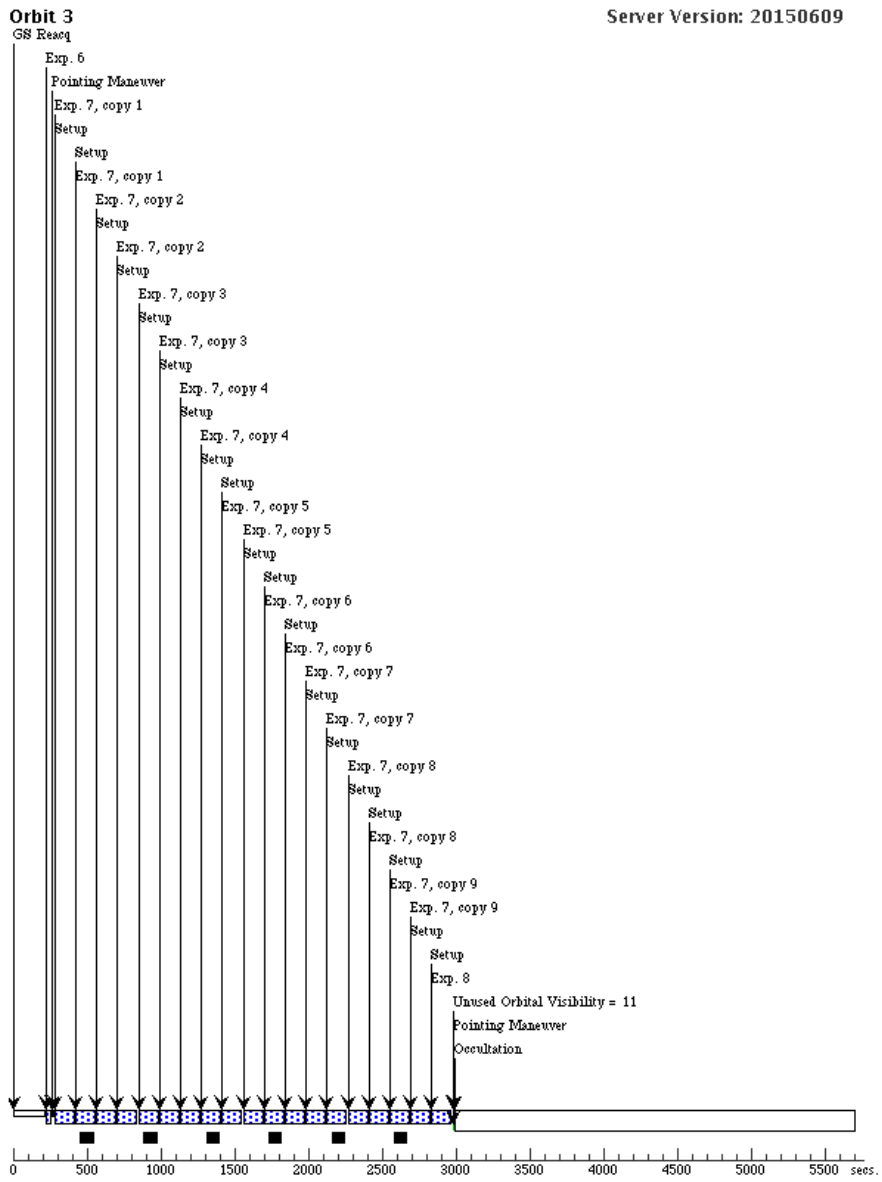
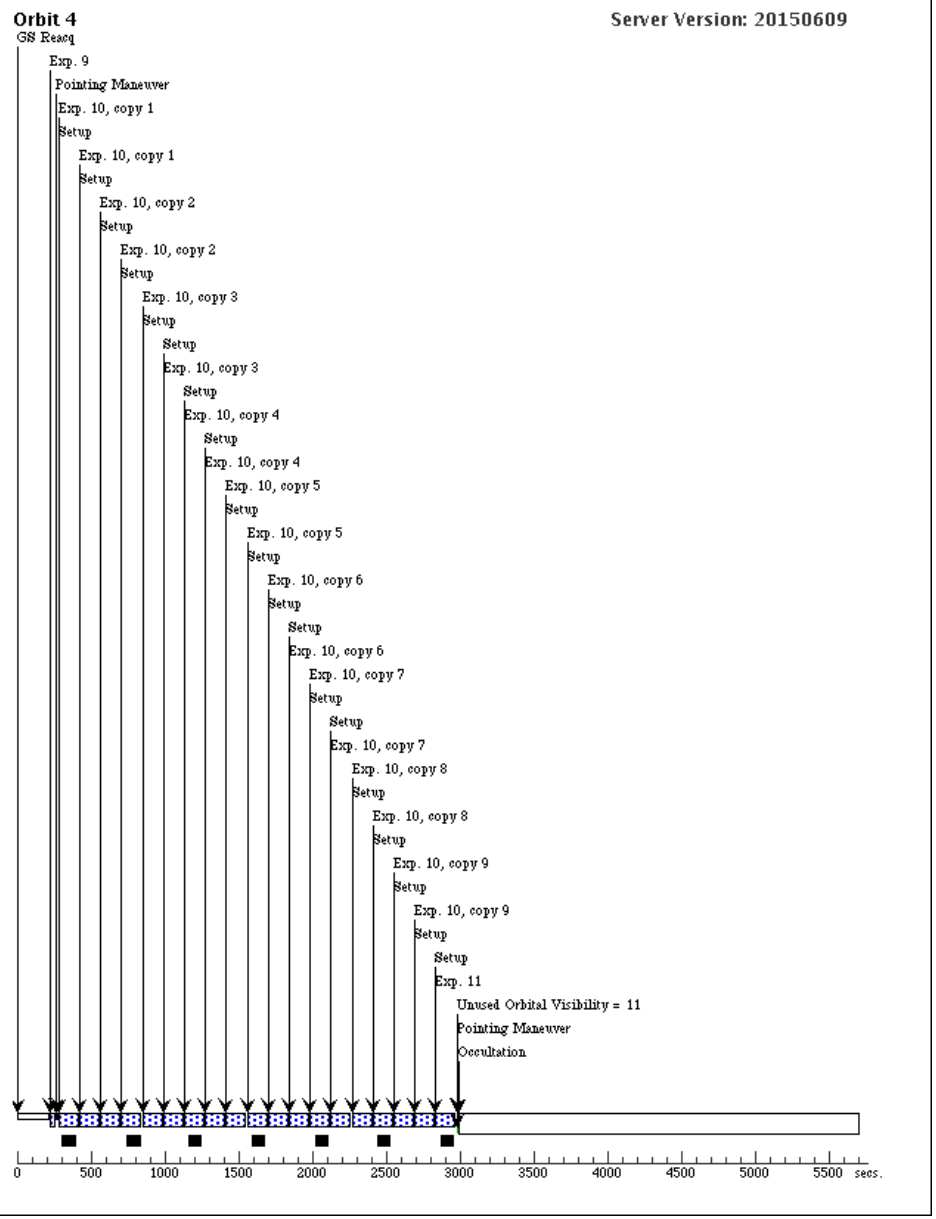
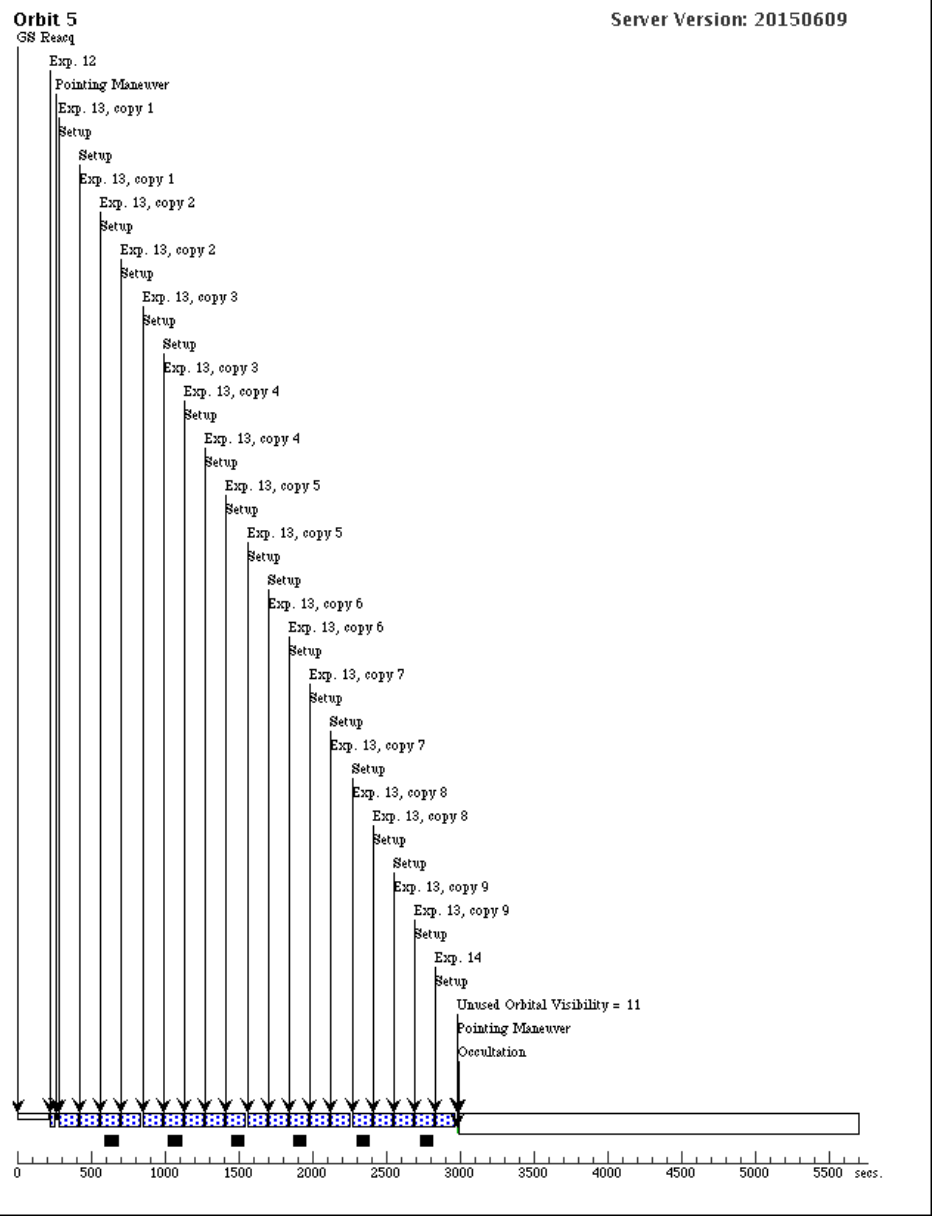
Orbit Structure

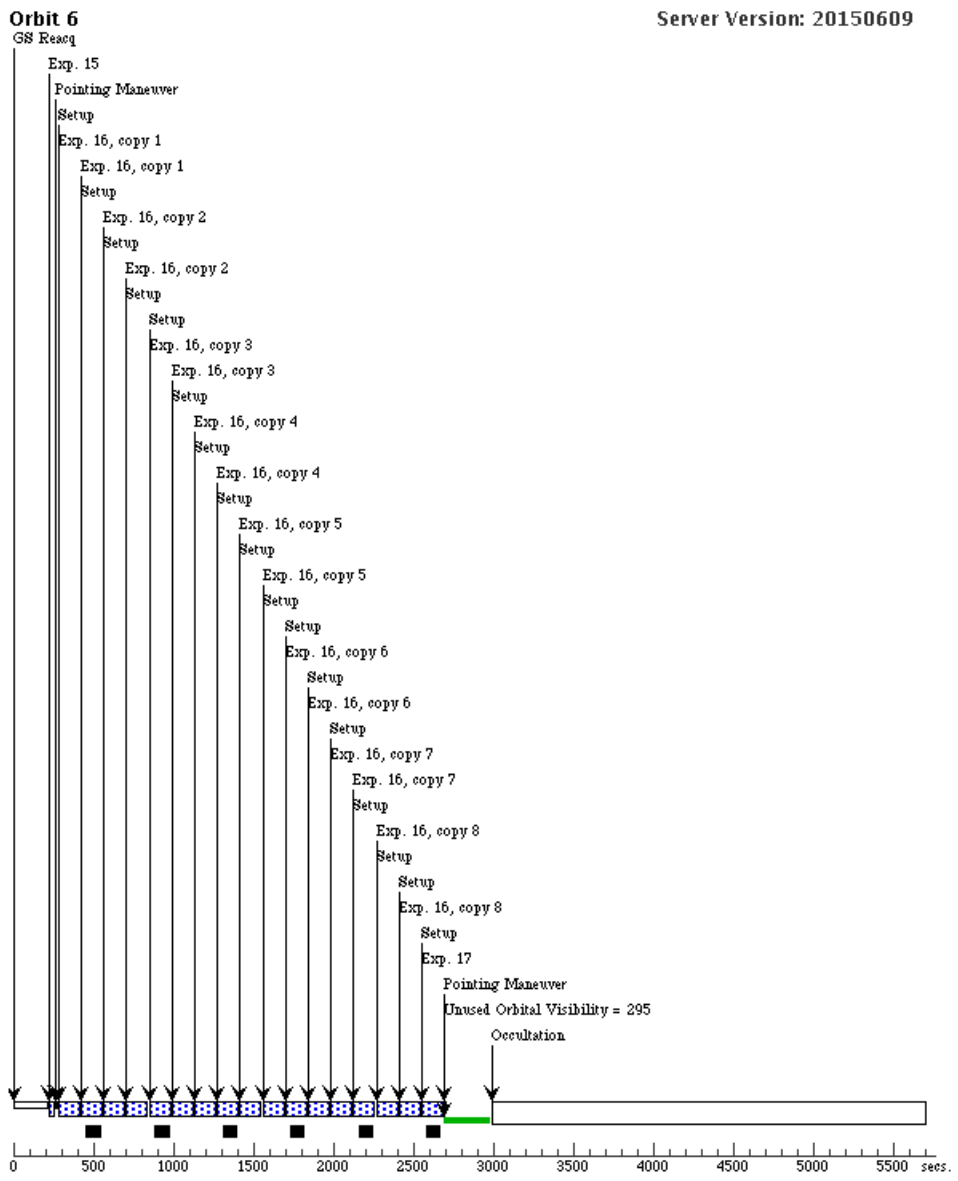


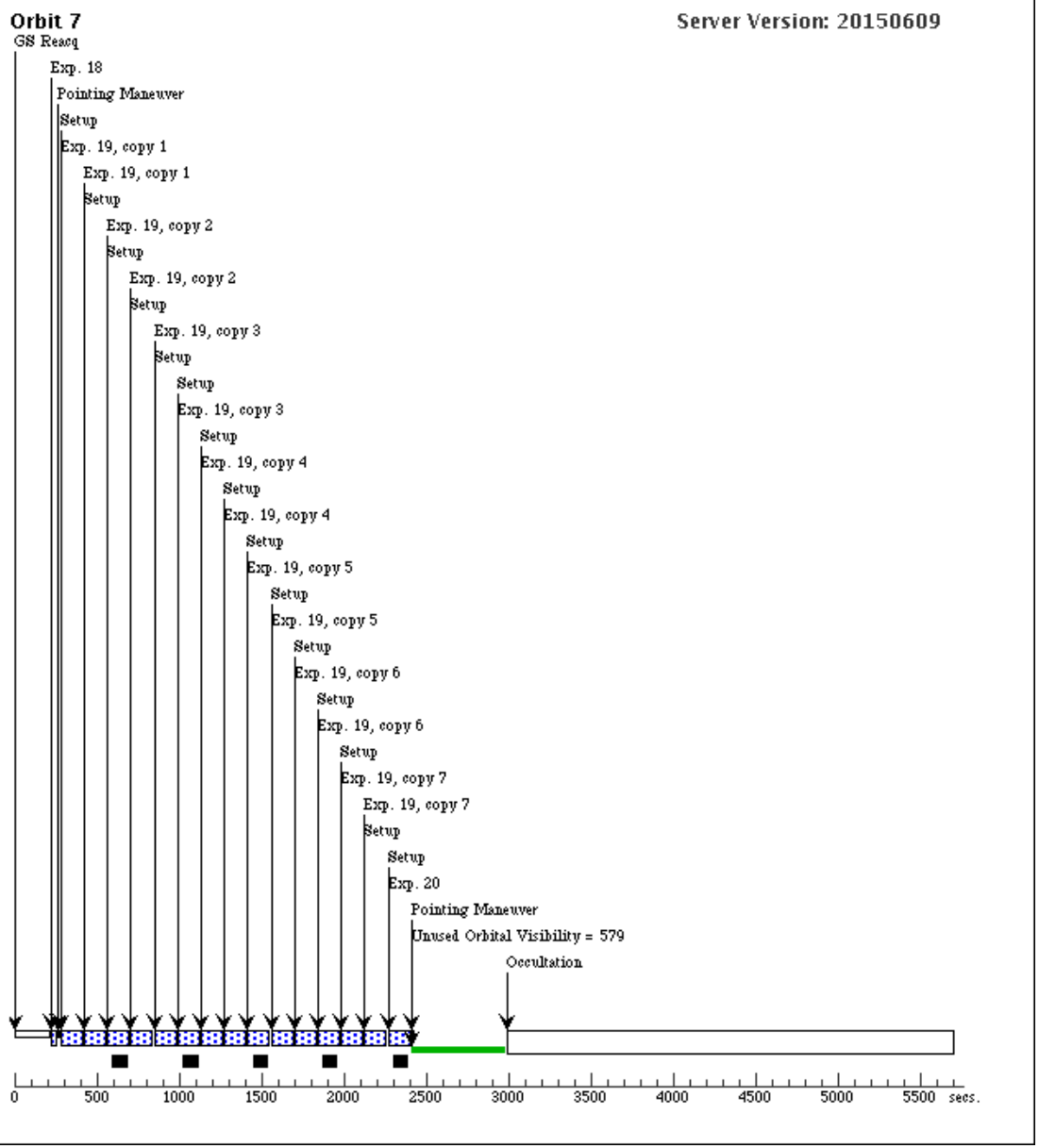

Orbit 2
Server Version: 20150609
GS Reacq
Exp. 3
Pointing Maneuver
Setup
Exp. 4, copy 1
Setup
Exp. 4, copy 1
Exp. 4, copy 2
Setup
Setup
Exp. 4, copy 2
Exp. 4, copy 3
Setup
Exp. 4, copy 3
Setup
Setup
Exp. 4, copy 4
Setup
Exp. 4, copy 4
Setup
Exp. 4, copy 5
Exp. 4, copy 5
Setup
Exp. 4, copy 6
Setup
Exp. 4, copy 6
Setup
Exp. 4, copy 7
Setup
Setup
Exp. 4, copy 7
Exp. 4, copy 8
Setup
Exp. 4, copy 8
Setup
Exp. 4, copy 9
Setup
Setup
Exp. 4, copy 9
Exp. 5
Setup
Pointing Maneuver
Unused Orbital Visibility = 11
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.

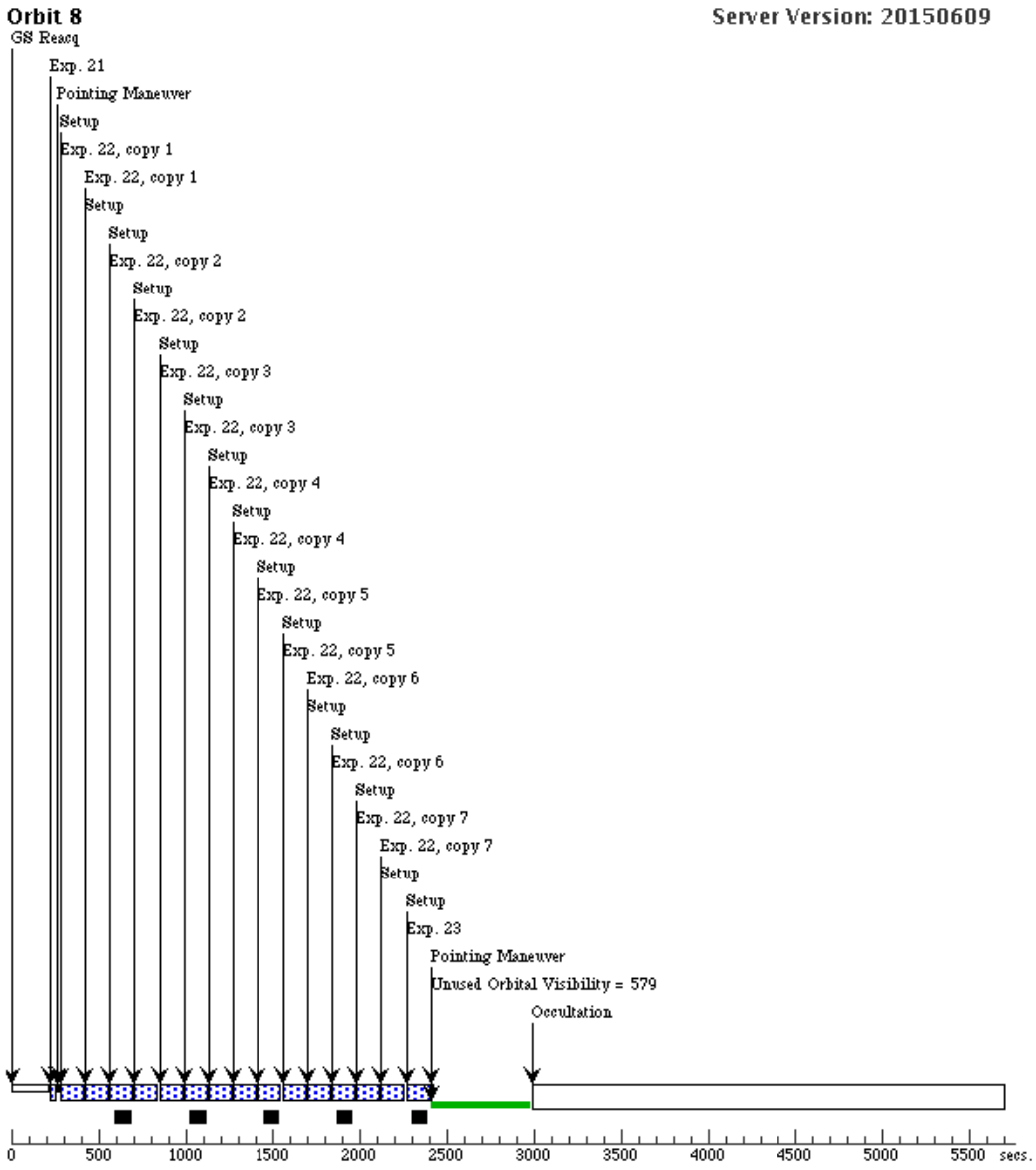

Orbit 3
Server Version: 20150609
GS Reacq
Exp. 6
Pointing Maneuver
Exp. 7, copy 1
Setup
Setup
Exp. 7, copy 1
Exp. 7, copy 2
Setup
Exp. 7, copy 2
Setup
Exp. 7, copy 3
Setup
Exp. 7, copy 3
Setup
Exp. 7, copy 4
Setup
Exp. 7, copy 4
Setup
Setup
Exp. 7, copy 5
Exp. 7, copy 5
Setup
Setup
Exp. 7, copy 6
Setup
Exp. 7, copy 6
Exp. 7, copy 7
Setup
Exp. 7, copy 7
Setup
Exp. 7, copy 8
Setup
Setup
Exp. 7, copy 8
Setup
Exp. 7, copy 9
Exp. 7, copy 9
Setup
Setup
Exp. 8
Unused Orbital Visibility = 11
Pointing Maneuver
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.

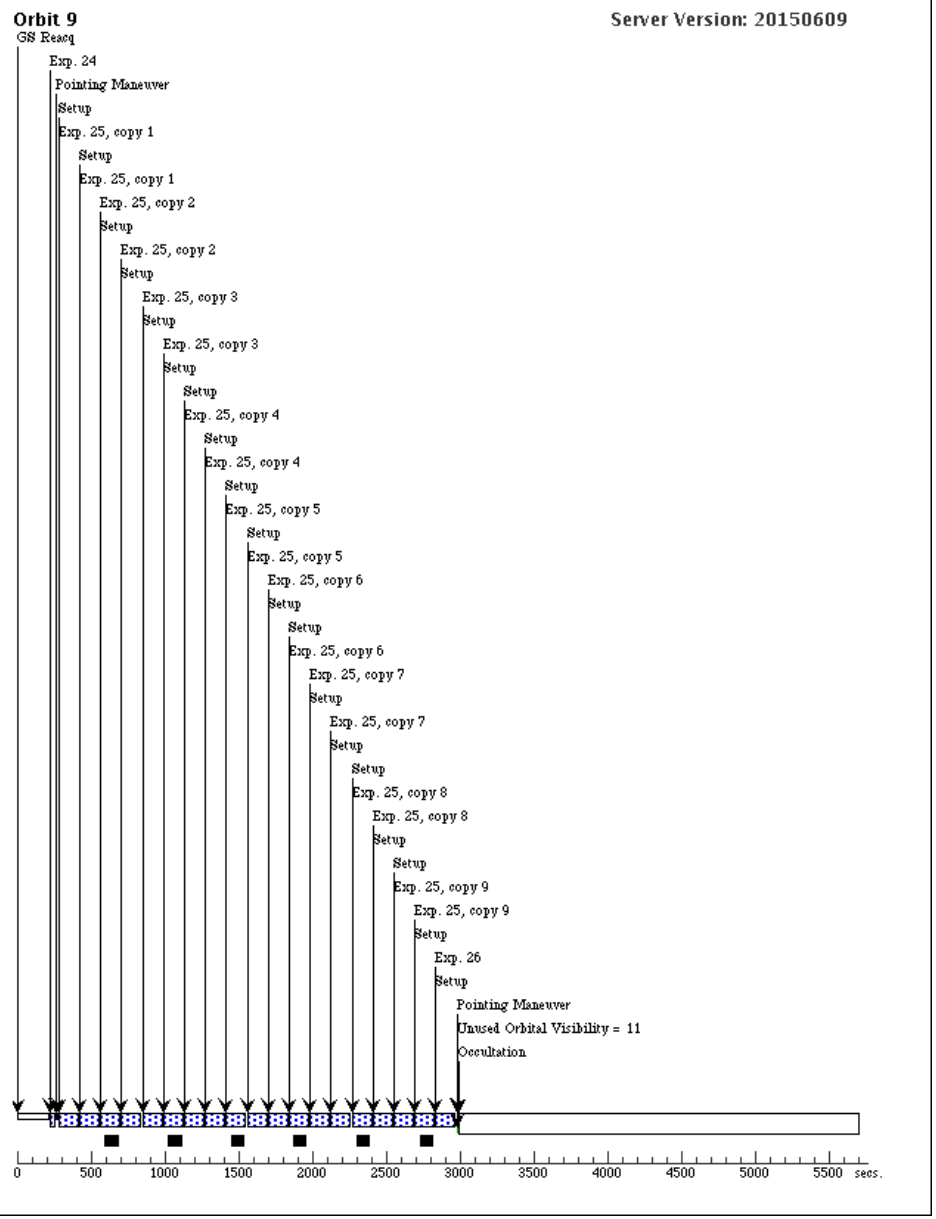

Orbit 4
Server Version: 20150609
GS Reacq
Exp. 9
Pointing Maneuver
Exp. 10, copy 1
Setup
Exp. 10, copy 1
Setup
Exp. 10, copy 2
Setup
Exp. 10, copy 2
Setup
Exp. 10, copy 3
Setup
Setup
Exp. 10, copy 3
Setup
Exp. 10, copy 4
Setup
Exp. 10, copy 4
Exp. 10, copy 5
Setup
Exp. 10, copy 5
Setup
Exp. 10, copy 6
Setup
Setup
Exp. 10, copy 6
Exp. 10, copy 7
Setup
Setup
Exp. 10, copy 7
Exp. 10, copy 8
Setup
Exp. 10, copy 8
Setup
Exp. 10, copy 9
Setup
Exp. 10, copy 9
Setup
Setup
Exp. 11
Unused Orbital Visibility = 11
Pointing Maneuver
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.

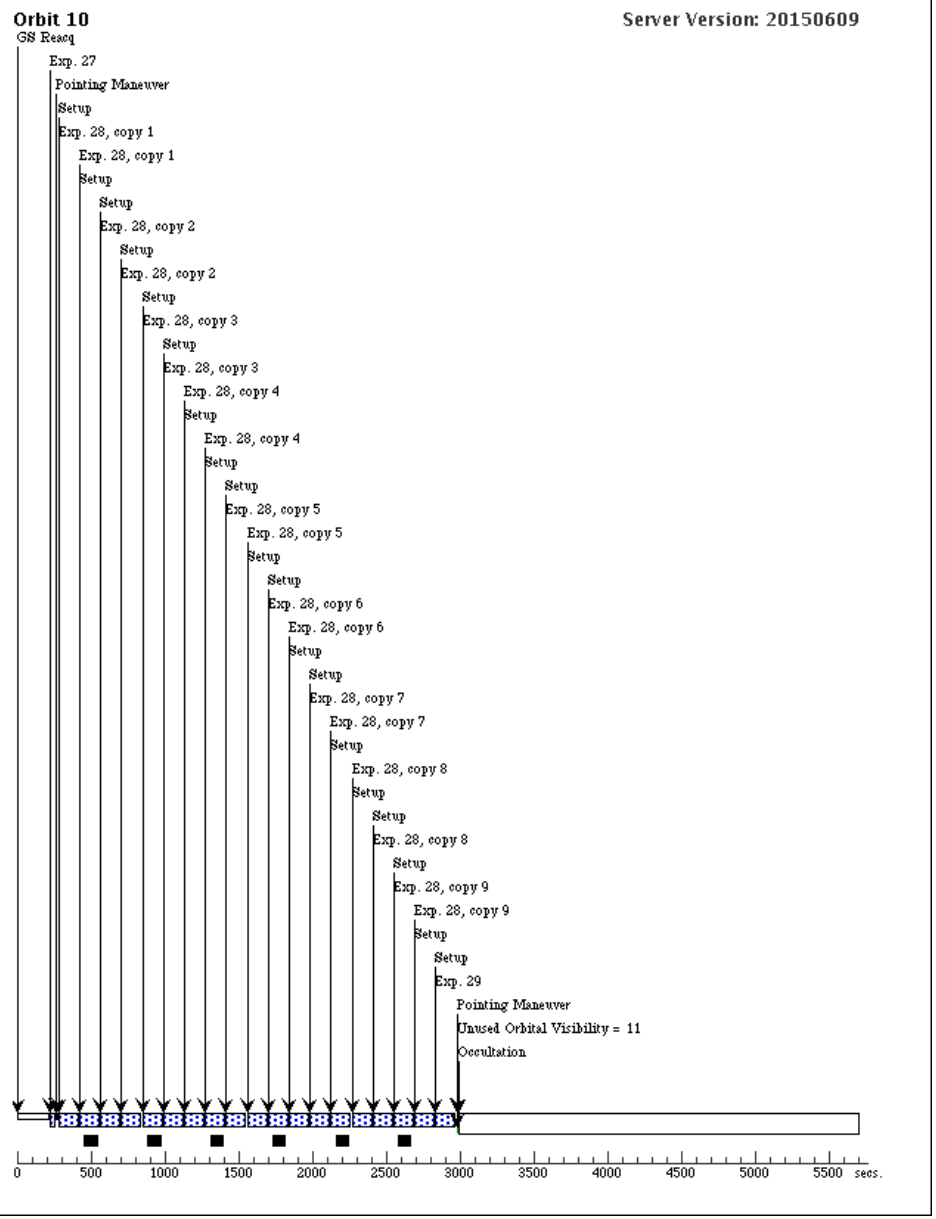

Orbit 5
Server Version: 20150609
GS Reacq
Exp. 12
Pointing Maneuver
Exp. 13, copy 1
Setup
Setup
Exp. 13, copy 1
Exp. 13, copy 2
Setup
Exp. 13, copy 2
Setup
Exp. 13, copy 3
Setup
Setup
Exp. 13, copy 3
Exp. 13, copy 4
Setup
Exp. 13, copy 4
Setup
Exp. 13, copy 5
Setup
Exp. 13, copy 5
Setup
Setup
Exp. 13, copy 6
Exp. 13, copy 6
Setup
Exp. 13, copy 7
Setup
Setup
Exp. 13, copy 7
Setup
Exp. 13, copy 8
Exp. 13, copy 8
Setup
Setup
Exp. 13, copy 9
Exp. 13, copy 9
Setup
Exp. 14
Setup
Unused Orbital Visibility = 11
Pointing Maneuver
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.

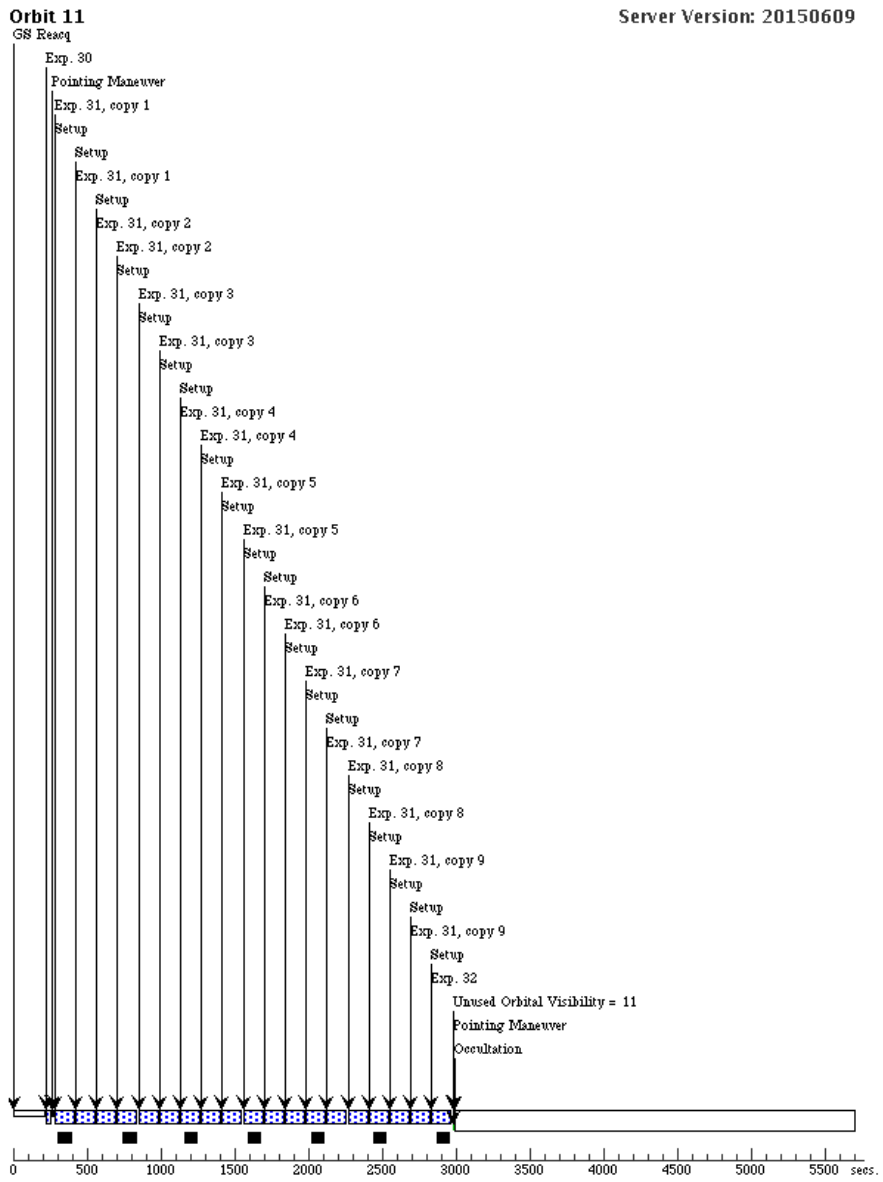

Orbit 6
Server Version: 20150609
GS Reacq
Exp. 15
Pointing Maneuver
Setup
Exp. 16, copy 1
Exp. 16, copy 1
Setup
Exp. 16, copy 2
Setup
Exp. 16, copy 2
Setup
Setup
Exp. 16, copy 3
Exp. 16, copy 3
Setup
Exp. 16, copy 4
Setup
Exp. 16, copy 4
Setup
Exp. 16, copy 5
Setup
Exp. 16, copy 5
Setup
Setup
Exp. 16, copy 6
Setup
Exp. 16, copy 6
Setup
Exp. 16, copy 7
Exp. 16, copy 7
Setup
Exp. 16, copy 8
Setup
Setup
Exp. 16, copy 8
Setup
Exp. 17
Pointing Maneuver
Unused Orbital Visibility = 295
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.

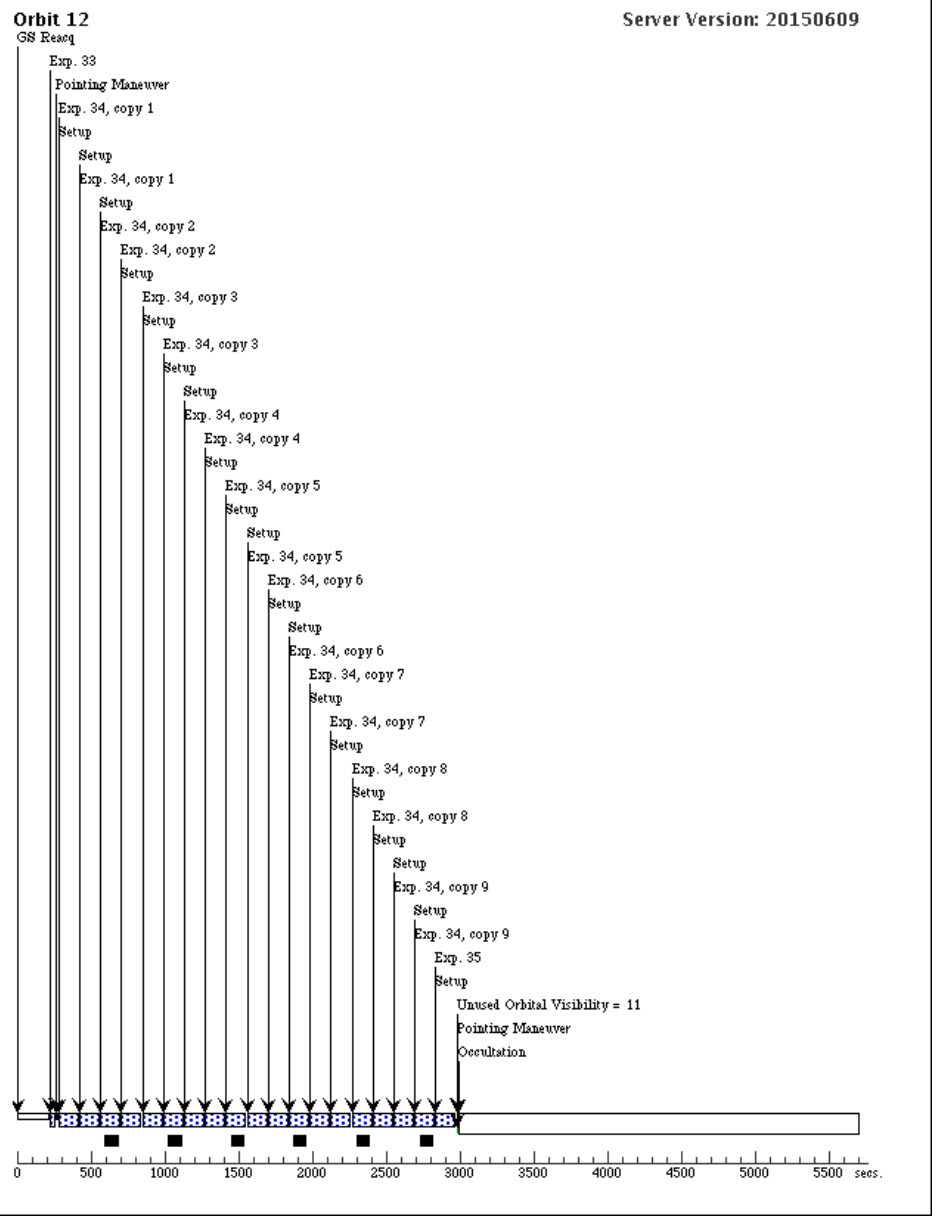

Orbit 7
Server Version: 20150609
GS Reacq
Exp. 18
Pointing Maneuver
Setup
Exp. 19, copy 1
Exp. 19, copy 1
Setup
Exp. 19, copy 2
Setup
Exp. 19, copy 2
Setup
Exp. 19, copy 3
Setup
Setup
Exp. 19, copy 3
Setup
Exp. 19, copy 4
Setup
Exp. 19, copy 4
Setup
Exp. 19, copy 5
Setup
Exp. 19, copy 5
Setup
Exp. 19, copy 6
Setup
Exp. 19, copy 6
Setup
Exp. 19, copy 7
Exp. 19, copy 7
Setup
Setup
Exp. 20
Pointing Maneuver
Unused Orbital Visibility = 579
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.

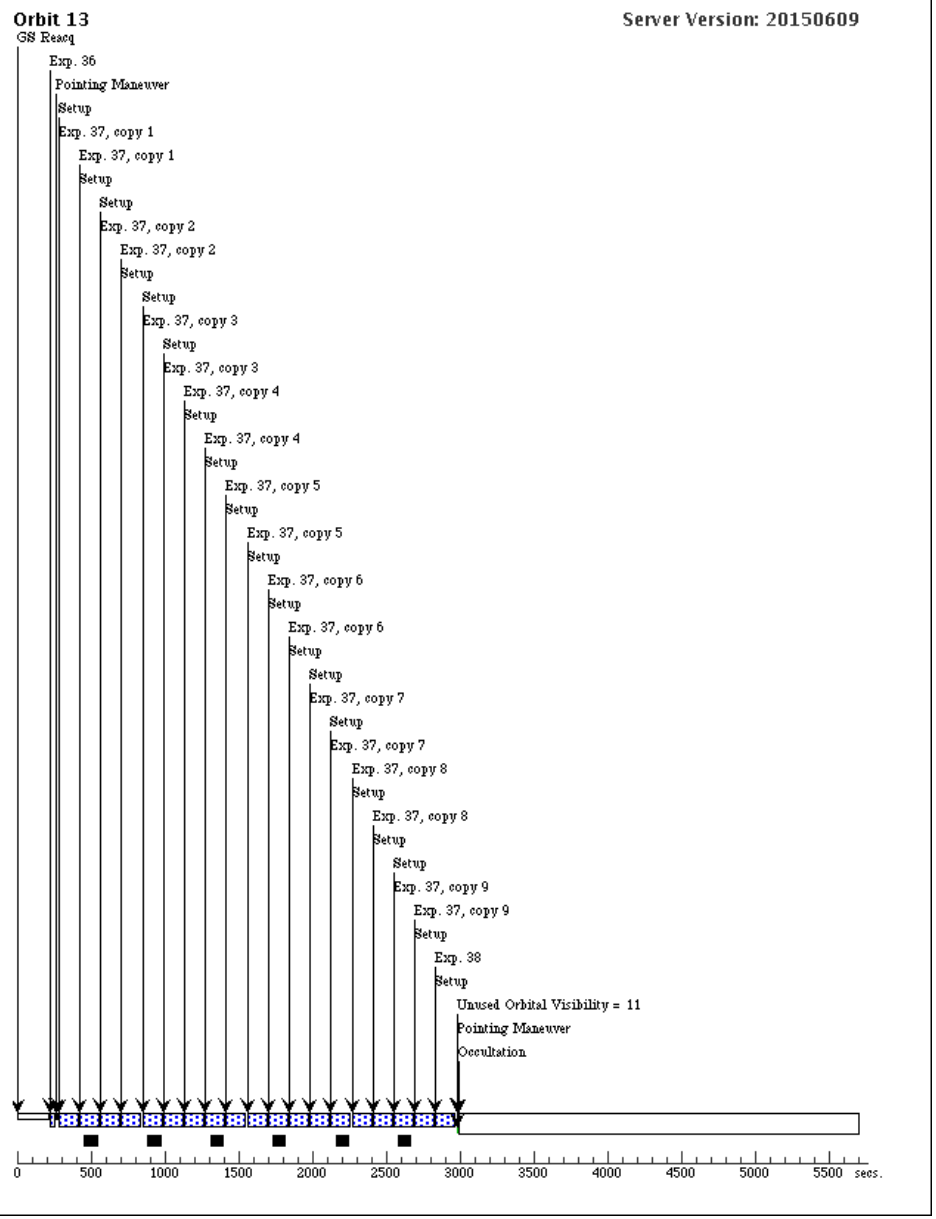

Orbit 8
Server Version: 20150609
GS Reacq
Exp. 21
Pointing Maneuver
Setup
Exp. 22, copy 1
Exp. 22, copy 1
Setup
Setup
Exp. 22, copy 2
Setup
Exp. 22, copy 2
Setup
Exp. 22, copy 3
Setup
Exp. 22, copy 3
Setup
Exp. 22, copy 4
Setup
Exp. 22, copy 4
Setup
Exp. 22, copy 5
Setup
Exp. 22, copy 5
Exp. 22, copy 6
Setup
Setup
Exp. 22, copy 6
Setup
Exp. 22, copy 7
Exp. 22, copy 7
Setup
Setup
Exp. 23
Pointing Maneuver
Unused Orbital Visibility = 579
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.

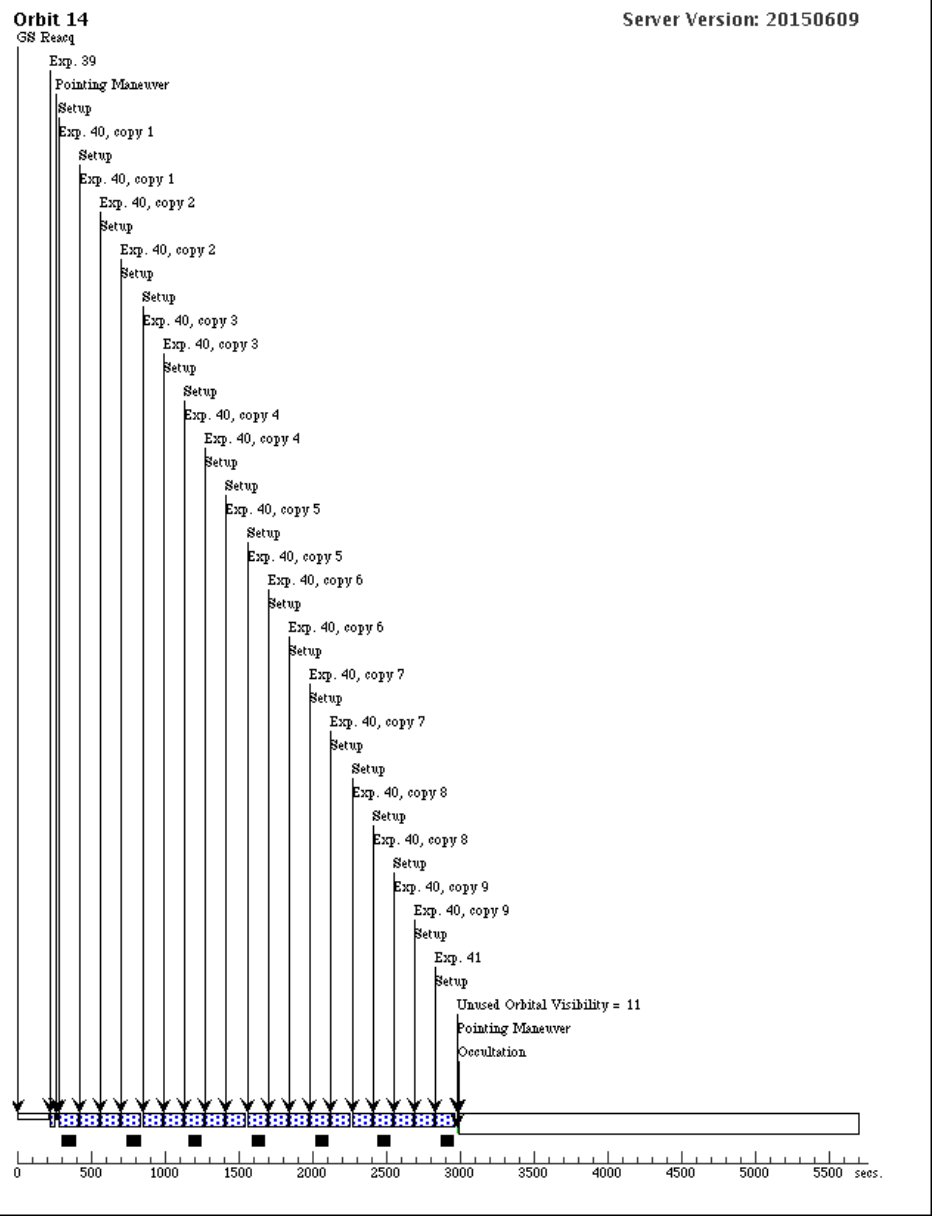

Orbit 9
Server Version: 20150609
GS Reacq
Exp. 24
Pointing Maneuver
Setup
Exp. 25, copy 1
Setup
Exp. 25, copy 1
Exp. 25, copy 2
Setup
Exp. 25, copy 2
Setup
Exp. 25, copy 3
Setup
Exp. 25, copy 3
Setup
Setup
Exp. 25, copy 4
Setup
Exp. 25, copy 4
Setup
Exp. 25, copy 5
Setup
Exp. 25, copy 5
Exp. 25, copy 6
Setup
Setup
Exp. 25, copy 6
Exp. 25, copy 7
Setup
Exp. 25, copy 7
Setup
Setup
Exp. 25, copy 8
Exp. 25, copy 8
Setup
Setup
Exp. 25, copy 9
Exp. 25, copy 9
Setup
Exp. 26
Setup
Pointing Maneuver
Unused Orbital Visibility = 11
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.

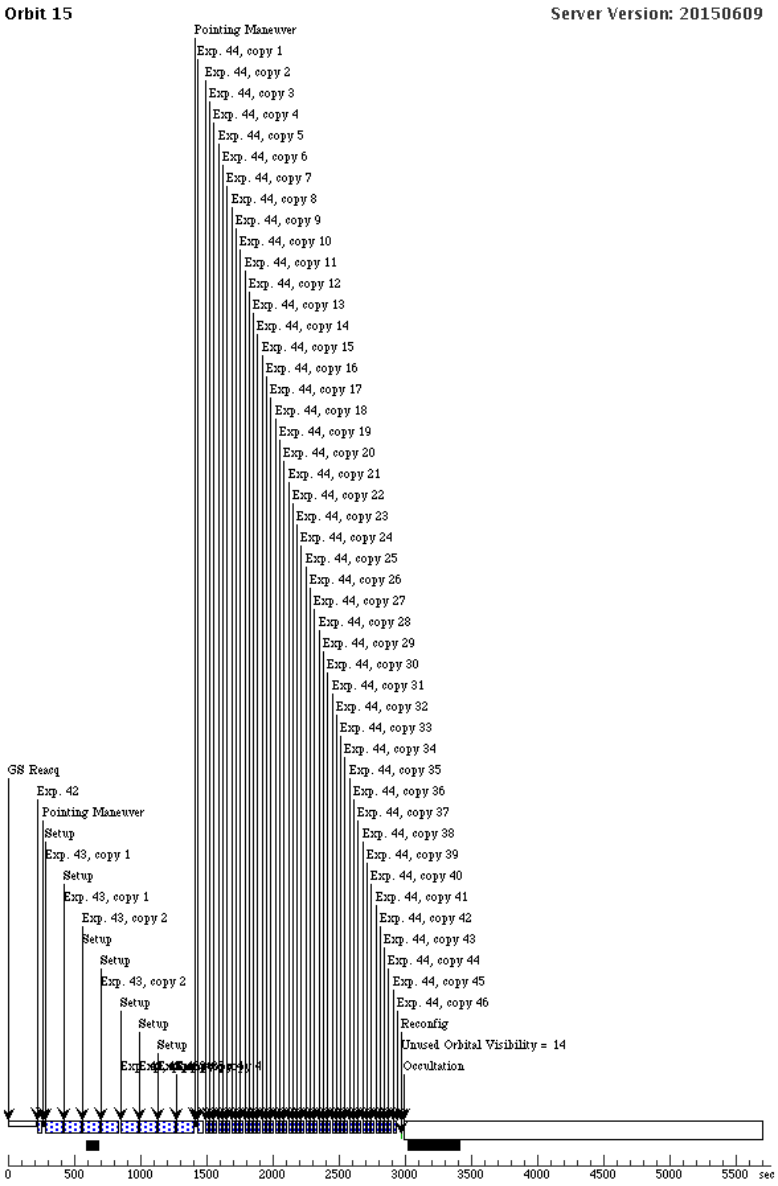

Orbit 10
Server Version: 20150609
GS Reacq
Exp. 27
Pointing Maneuver
Setup
Exp. 28, copy 1
Exp. 28, copy 1
Setup
Setup
Exp. 28, copy 2
Setup
Exp. 28, copy 2
Setup
Exp. 28, copy 3
Setup
Exp. 28, copy 3
Exp. 28, copy 4
Setup
Exp. 28, copy 4
Setup
Setup
Exp. 28, copy 5
Exp. 28, copy 5
Setup
Setup
Exp. 28, copy 6
Exp. 28, copy 6
Setup
Setup
Exp. 28, copy 7
Exp. 28, copy 7
Setup
Exp. 28, copy 8
Setup
Setup
Exp. 28, copy 8
Setup
Exp. 28, copy 9
Exp. 28, copy 9
Setup
Setup
Exp. 29
Pointing Maneuver
Unused Orbital Visibility = 11
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 11
Server Version: 20150609
GS Reacq
Exp. 30
Pointing Maneuver
Exp. 31, copy 1
Setup
Setup
Exp. 31, copy 1
Setup
Exp. 31, copy 2
Exp. 31, copy 2
Setup
Exp. 31, copy 3
Setup
Exp. 31, copy 3
Setup
Setup
Exp. 31, copy 4
Exp. 31, copy 4
Setup
Exp. 31, copy 5
Setup
Exp. 31, copy 5
Setup
Setup
Exp. 31, copy 6
Exp. 31, copy 6
Setup
Exp. 31, copy 7
Setup
Setup
Exp. 31, copy 7
Exp. 31, copy 8
Setup
Exp. 31, copy 8
Setup
Exp. 31, copy 9
Setup
Setup
Exp. 31, copy 9
Setup
Exp. 32
Unused Orbital Visibility = 11
Pointing Maneuver
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 12
Server Version: 20150609
GS Reacq
Exp. 33
Pointing Maneuver
Exp. 34, copy 1
Setup
Setup
Exp. 34, copy 1
Setup
Exp. 34, copy 2
Exp. 34, copy 2
Setup
Exp. 34, copy 3
Setup
Exp. 34, copy 3
Setup
Setup
Exp. 34, copy 4
Exp. 34, copy 4
Setup
Exp. 34, copy 5
Setup
Setup
Exp. 34, copy 5
Exp. 34, copy 6
Setup
Setup
Exp. 34, copy 6
Exp. 34, copy 7
Setup
Exp. 34, copy 7
Setup
Exp. 34, copy 8
Setup
Exp. 34, copy 8
Setup
Setup
Exp. 34, copy 9
Setup
Exp. 34, copy 9
Exp. 35
Setup
Unused Orbital Visibility = 11
Pointing Maneuver
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 13
Server Version: 20150609
GS Reacq
Exp. 36
Pointing Maneuver
Setup
Exp. 37, copy 1
Exp. 37, copy 1
Setup
Setup
Exp. 37, copy 2
Exp. 37, copy 2
Setup
Setup
Exp. 37, copy 3
Setup
Exp. 37, copy 3
Exp. 37, copy 4
Setup
Exp. 37, copy 4
Setup
Exp. 37, copy 5
Setup
Exp. 37, copy 5
Setup
Exp. 37, copy 6
Setup
Exp. 37, copy 6
Setup
Setup
Exp. 37, copy 7
Setup
Exp. 37, copy 7
Exp. 37, copy 8
Setup
Exp. 37, copy 8
Setup
Setup
Exp. 37, copy 9
Exp. 37, copy 9
Setup
Exp. 38
Setup
Unused Orbital Visibility = 11
Pointing Maneuver
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 14
Server Version: 20150609
GS Reacq
Exp. 39
Pointing Maneuver
Setup
Exp. 40, copy 1
Setup
Exp. 40, copy 1
Exp. 40, copy 2
Setup
Exp. 40, copy 2
Setup
Setup
Exp. 40, copy 3
Exp. 40, copy 3
Setup
Setup
Exp. 40, copy 4
Exp. 40, copy 4
Setup
Setup
Exp. 40, copy 5
Setup
Exp. 40, copy 5
Exp. 40, copy 6
Setup
Exp. 40, copy 6
Setup
Exp. 40, copy 7
Setup
Exp. 40, copy 7
Setup
Setup
Exp. 40, copy 8
Setup
Exp. 40, copy 8
Setup
Exp. 40, copy 9
Exp. 40, copy 9
Setup
Exp. 41
Setup
Unused Orbital Visibility = 11
Pointing Maneuver
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.


Orbit 15
Server Version: 20150609
Pointing Maneuver
Exp. 44, copy 1
Exp. 44, copy 2
Exp. 44, copy 3
Exp. 44, copy 4
Exp. 44, copy 5
Exp. 44, copy 6
Exp. 44, copy 7
Exp. 44, copy 8
Exp. 44, copy 9
Exp. 44, copy 10
Exp. 44, copy 11
Exp. 44, copy 12
Exp. 44, copy 13
Exp. 44, copy 14
Exp. 44, copy 15
Exp. 44, copy 16
Exp. 44, copy 17
Exp. 44, copy 18
Exp. 44, copy 19
Exp. 44, copy 20
Exp. 44, copy 21
Exp. 44, copy 22
Exp. 44, copy 23
Exp. 44, copy 24
Exp. 44, copy 25
Exp. 44, copy 26
Exp. 44, copy 27
Exp. 44, copy 28
Exp. 44, copy 29
Exp. 44, copy 30
Exp. 44, copy 31
Exp. 44, copy 32
Exp. 44, copy 33
Exp. 44, copy 34
Exp. 44, copy 35
Exp. 44, copy 36
Exp. 44, copy 37
Exp. 44, copy 38
Exp. 44, copy 39
Exp. 44, copy 40
Exp. 44, copy 41
Exp. 44, copy 42
Exp. 44, copy 43
Exp. 44, copy 44
Exp. 44, copy 45
Exp. 44, copy 46
Reconfig
Unused Orbital Visibility = 14
Occultation
GS Reacq
Exp. 42
Pointing Maneuver
Setup
Exp. 43, copy 1
Setup
Exp. 43, copy 1
Exp. 43, copy 2
Setup
Setup
Exp. 43, copy 2
Setup
Setup
Setup
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 14050, WASP103 GSACQ Test1 (03), implementation Fri Jun 26 01:11:05 GMT 2015

Diagnostic Status: Error

Scientific Instruments: S/C

Special Requirements: SCHED 100%

Comments: This visit is to test the guide stars for visit 02.

Diagnostics

(Exposure 1 (WASP103 GSACQ Test1 (03))) Error (Form): Illegal selection: S/C.

(Exposure 1 (WASP103 GSACQ Test1 (03))) Error (Form): This attribute is not allowed to have this value: Aperture = V1
It is an Available option and cannot normally be used in a GO proposal.

(Exposure 1 (WASP103 GSACQ Test1 (03))) Error (Form): This attribute is not allowed to have this value: Mode = POINTING
It is an Available option and cannot normally be used in a GO proposal.

(Exposure 1 (WASP103 GSACQ Test1 (03))) Error (Form): POINTING is not a valid selection.

(Exposure 1 (WASP103 GSACQ Test1 (03))) Error (Form): V1 is not a valid selection.

(Exposure 1 (WASP103 GSACQ Test1 (03))) Error (Form): This attribute is not allowed to have this value: Config = S/C
It is an Available option and cannot normally be used in a GO proposal.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	2MASS-J16371556+0711000	RA: 16 37 15.5680 (249.3148667d) Dec: +07 11 0.07 (7.18335d) Equinox: J2000		V=12.1	Reference Frame: SIMBAD

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

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) 2MASS-J16371556+0711000	S/C, POINTING, V1			POS TARG 12.6875, -8.4305; GSPAIR N3UD0005 67F1N3UK000281F 2		30 Secs (30 Secs) *[==>]*	*[1]*

Orbit Structure