



14793 - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet

Cycle: 24, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) HAT-P-11	WFC3/IR	4	09-Nov-2016 12:16:28.0	yes
02	(1) HAT-P-11	WFC3/IR	4	09-Nov-2016 12:17:03.0	yes
03	(1) HAT-P-11	WFC3/IR	4	09-Nov-2016 12:17:38.0	yes
53	(1) HAT-P-11	WFC3/IR	4	09-Nov-2016 12:18:13.0	yes
04	(1) HAT-P-11	WFC3/IR	4	09-Nov-2016 12:18:47.0	yes
05	(1) HAT-P-11	WFC3/IR	4	09-Nov-2016 12:19:22.0	yes

24 Total Orbits Used

ABSTRACT

A central prediction of the core accretion model of planet formation is that atmospheric metallicity should increase with decreasing planet mass. This prediction is born out in the Solar System, where a clear anti-correlation between planet mass and atmospheric metallicity is observed. Exoplanets offer the potential to determine if this fundamental trend is a universal outcome of the planet formation process.

We have recently succeeded in measuring the atmospheric metallicities of gas giant exoplanets using HST transit spectroscopy observations. These first results offer the tantalizing suggestion that the trend seen in the Solar System is also discernable in extrasolar systems. We propose here to extend our study of atmospheric metallicity vs. planet mass in to a new regime by measuring a precise atmospheric metallicity of a Neptune-sized exoplanet. We will measure the transmission spectrum of HAT-P-11b between 0.8 and 1.1 microns by observing five transits of the planet using the WFC3 instrument and G102 grism. These observations will complement existing data between 1.1 and 1.7 microns obtained with the standard G141 grism, which show a strong water absorption feature. The unique combined dataset spanning three bands of water will enable us to break the degeneracy between clouds and metallicity that typically plague the interpretation of transmission spectra.

This project will yield the first precise atmospheric metallicity measurement for a sub-Jovian exoplanet, and will be the first to demonstrate a modeling technique that will be crucial for the interpretation of JWST transmission spectra.

OBSERVING DESCRIPTION

This program is focused on transit observations of the exoplanet HAT-P-11b. There will be five visits of four orbits each. The sequence for each visit will be two orbits out of transit, one orbit in transit (transit duration is 141 minutes), and one orbit out of transit. All visits will be done with the G102 grism and using bi-directional spatial scanning. Each orbit begins with a direct image through the F126N filter for wavelength calibration. All observations are using the GRISM256 subarray.

The observations must be precisely scheduled to catch the eclipses. I have given a +/- 10 minute window on the phase constraint and used the schedulability=30 for this first submission.

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Visit	Proposal 14793, HAT11-transit (01), completed Wed Nov 09 17:19:27 GMT 2016				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 30%; Period 4.8878049 D AND ZERO-PHASE HJD2454957.812464				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	HAT-P-11	RA: 19 50 50.2477 (297.7093654d) Dec: +48 04 51.09 (48.08086d) Equinox: J2000	Proper Motion RA: 127.2 mas/yr Proper Motion Dec: 231.23 mas/yr Epoch of Position: 2000	V=9.47 H=7.13
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					

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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0; PHASE 0.96810372 TO 0.97094526	Sequence 1-25 Non-Int in HAT11-transit (01)	0.55563 Secs (0.556 Secs) [==>]	[1]
	2	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs) [==>]	[1]
	3	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs) [==>]	[1]
	4	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs) [==>]	[1]
	5	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs) [==>]	[1]
	6	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs) [==>]	[1]
	7	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs) [==>]	[1]
	8	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs) [==>]	[1]
	9	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs) [==>]	[1]
	10	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs) [==>]	[1]
	11	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs) [==>]	[1]
	12	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs) [==>]	[1]
	13	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs) [==>]	[1]

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14	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[1]
15	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[1]
16	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[1]
17	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[1]
18	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[1]
19	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[1]
20	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[1]
21	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[1]
22	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[1]
23	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[1]
24	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[1]
25	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[1]
26	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 26-51 Non-Int in HAT11-transit (01)	0.55563 Secs (0.556 Secs)	[==>]	[2]

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27	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
28	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
29	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
30	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
31	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
32	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
33	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
34	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
35	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
36	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
37	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
38	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
39	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]

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40	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
41	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
42	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
43	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
44	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
45	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
46	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
47	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
48	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
49	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
50	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
51	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[2]
52	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 52-77 Non-Int in HAT11-transit (01)	0.55563 Secs (0.556 Secs)	[==>]	[3]

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53	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
54	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
55	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
56	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
57	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
58	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
59	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
60	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
61	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
62	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
63	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
64	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
65	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]

Proposal 14793 - HAT11-transit (01) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet

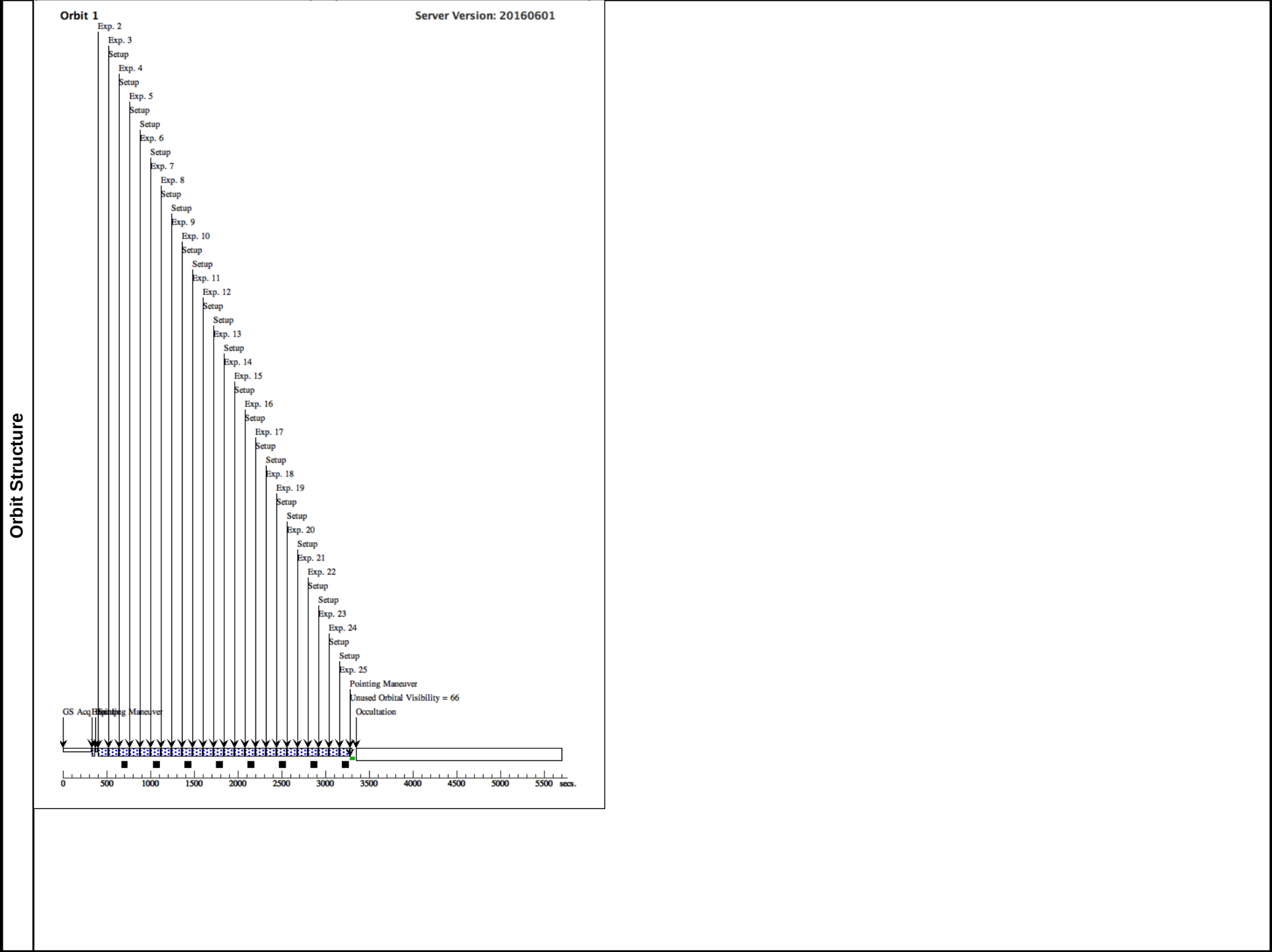
66	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
67	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
68	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
69	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
70	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
71	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
72	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
73	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
74	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
75	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
76	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
77	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[3]
78	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 78-103 Non-Int in HAT11-transit (01)	0.55563 Secs (0.556 Secs)	[==>]	[4]

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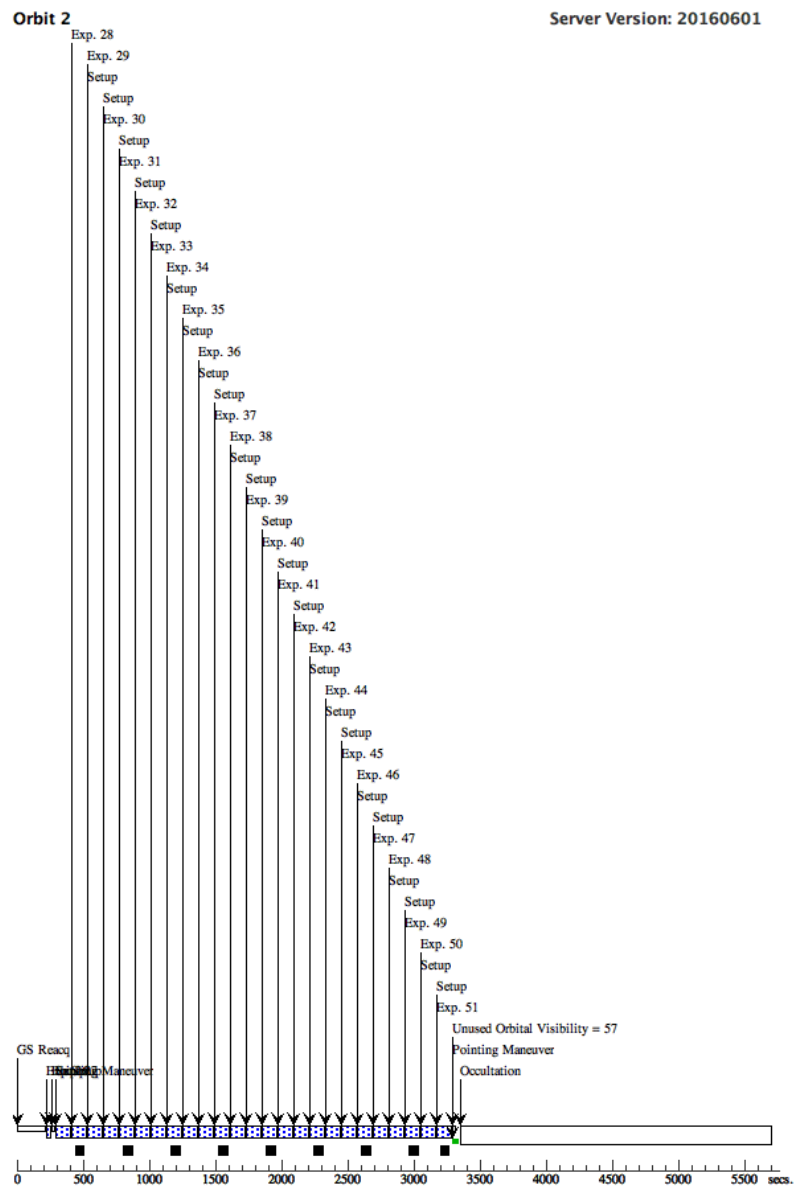
79	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
80	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
81	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
82	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
83	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
84	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
85	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
86	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
87	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
88	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
89	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
90	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
91	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]

Proposal 14793 - HAT11-transit (01) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet

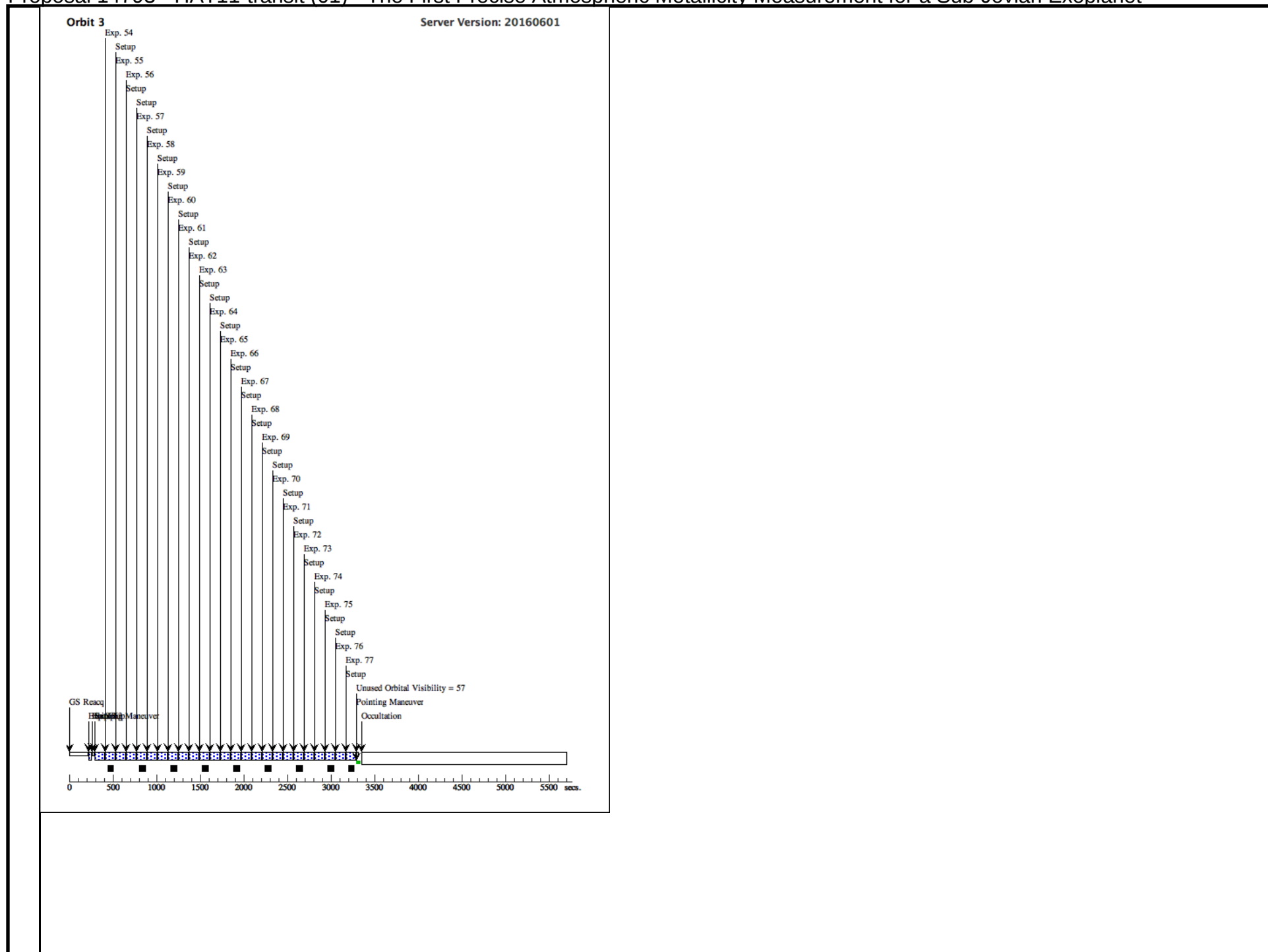
92	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
93	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
94	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
95	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
96	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
97	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
98	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
99	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
100	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
101	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
102	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]
103	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (01)	81.089172 Secs (81.089 Secs)	[==>]	[4]



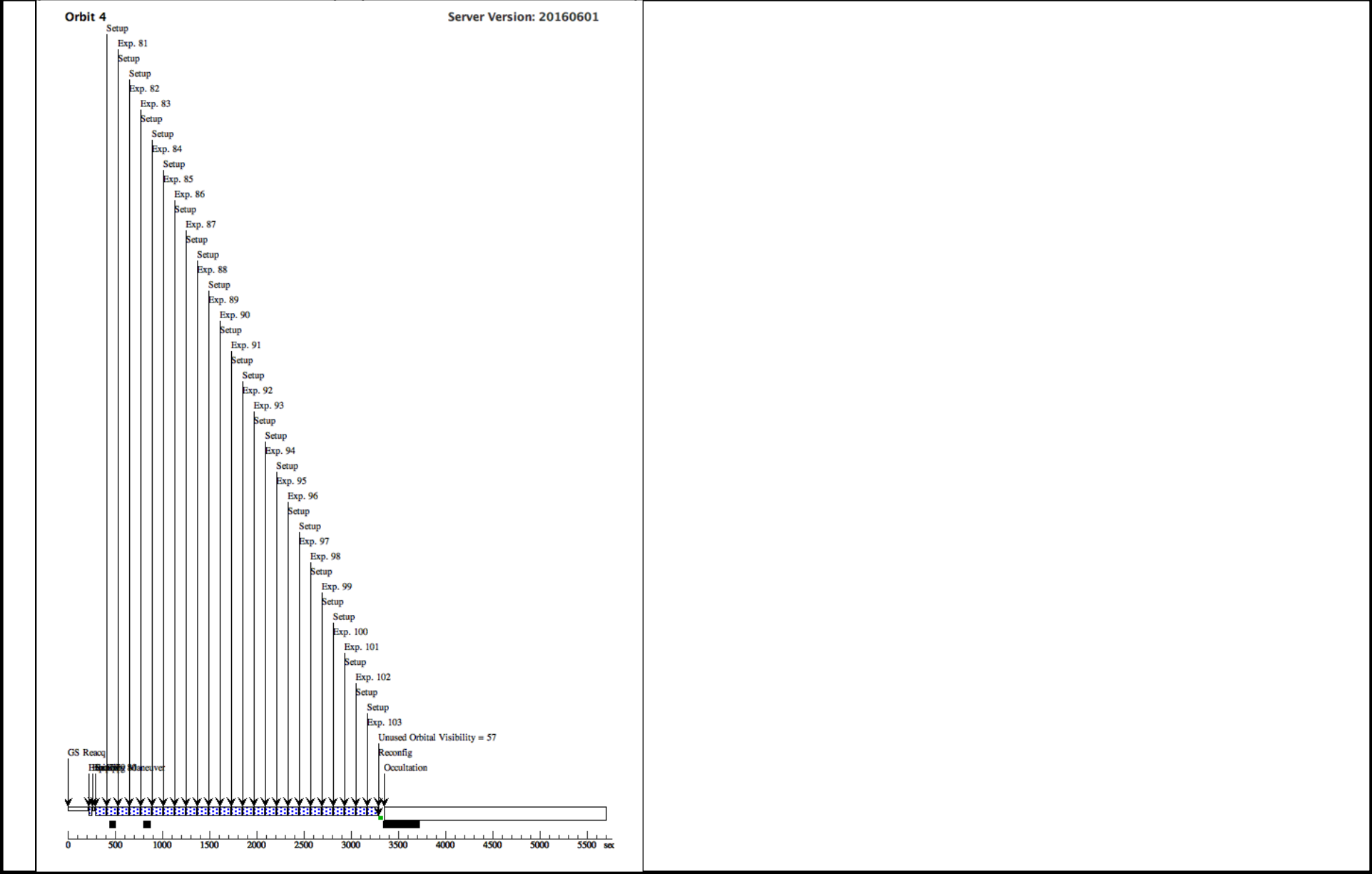
Proposal 14793 - HAT11-transit (01) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet



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Proposal 14793 - HAT11-transit (01) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet



Proposal 14793 - HAT11-transit (02) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet

Visit	Proposal 14793, HAT11-transit (02), completed Wed Nov 09 17:19:28 GMT 2016				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 30%; Period 4.8878049 D AND ZERO-PHASE HJD2454957.812464				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	HAT-P-11	RA: 19 50 50.2477 (297.7093654d) Dec: +48 04 51.09 (48.08086d) Equinox: J2000	Proper Motion RA: 127.2 mas/yr Proper Motion Dec: 231.23 mas/yr Epoch of Position: 2000	V=9.47 H=7.13
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					

Proposal 14793 - HAT11-transit (02) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,-13; PHASE 0.96668295 TO 0.97236603	Sequence 1-25 Non-Int in HAT11-transit (02)	0.55563 Secs (0.556 Secs) [==>]	[1]
	2	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs) [==>]	[1]
	3	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs) [==>]	[1]
	4	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs) [==>]	[1]
	5	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs) [==>]	[1]
	6	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs) [==>]	[1]
	7	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs) [==>]	[1]
	8	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs) [==>]	[1]
	9	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs) [==>]	[1]
	10	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs) [==>]	[1]
	11	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs) [==>]	[1]
	12	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs) [==>]	[1]
	13	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs) [==>]	[1]

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14	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[1]
15	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[1]
16	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[1]
17	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[1]
18	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[1]
19	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[1]
20	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[1]
21	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[1]
22	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[1]
23	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[1]
24	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[1]
25	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[1]
26	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 26-51 Non-Int in HAT11-transit (02)	0.55563 Secs (0.556 Secs)	[==>]	[2]

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27	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
28	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
29	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
30	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
31	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
32	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
33	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
34	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
35	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
36	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
37	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
38	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
39	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]

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40	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
41	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
42	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
43	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
44	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
45	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
46	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
47	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
48	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
49	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
50	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
51	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[2]
52	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 52-77 Non-Int in HAT11-transit (02)	0.55563 Secs (0.556 Secs)	[==>]	[3]

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53	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
54	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
55	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
56	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
57	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
58	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
59	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
60	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
61	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
62	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
63	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
64	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
65	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]

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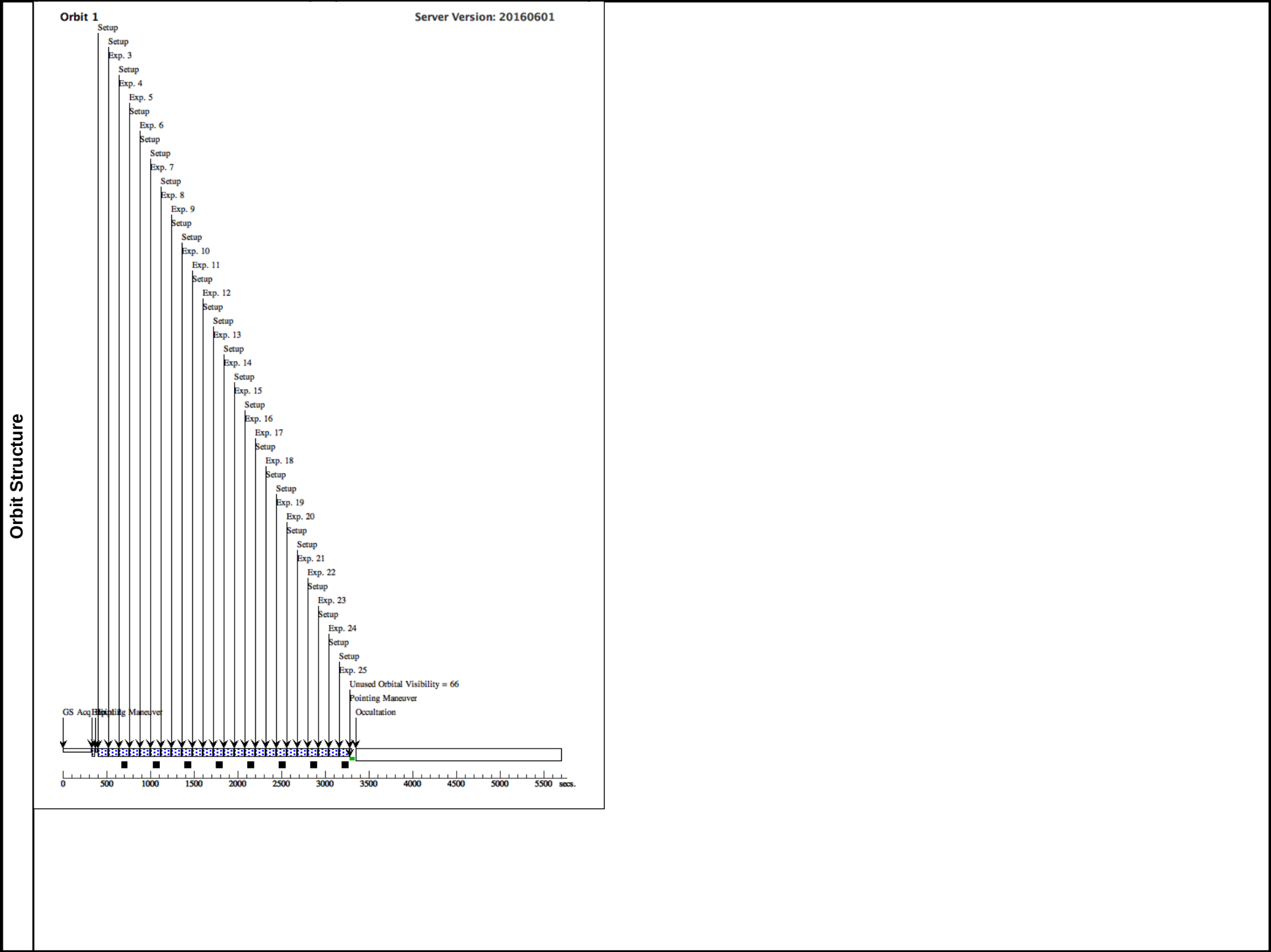
66	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
67	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
68	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
69	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
70	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
71	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
72	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
73	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
74	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
75	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
76	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
77	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[3]
78	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 78-103 Non-Int in HAT11-transit (02)	0.55563 Secs (0.556 Secs)	[==>]	[4]

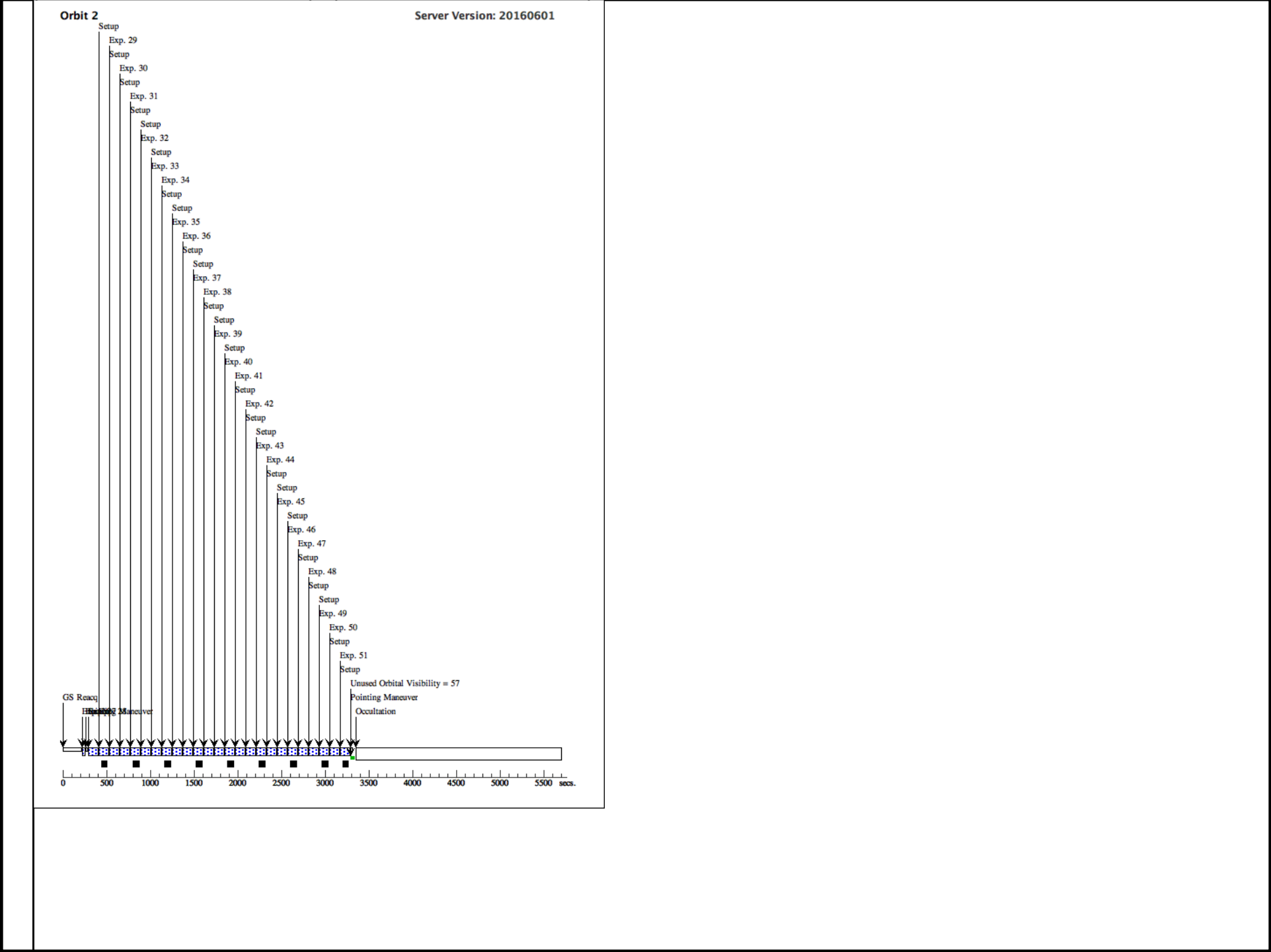
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79	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
80	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
81	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
82	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
83	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
84	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
85	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
86	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
87	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
88	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
89	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
90	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
91	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]

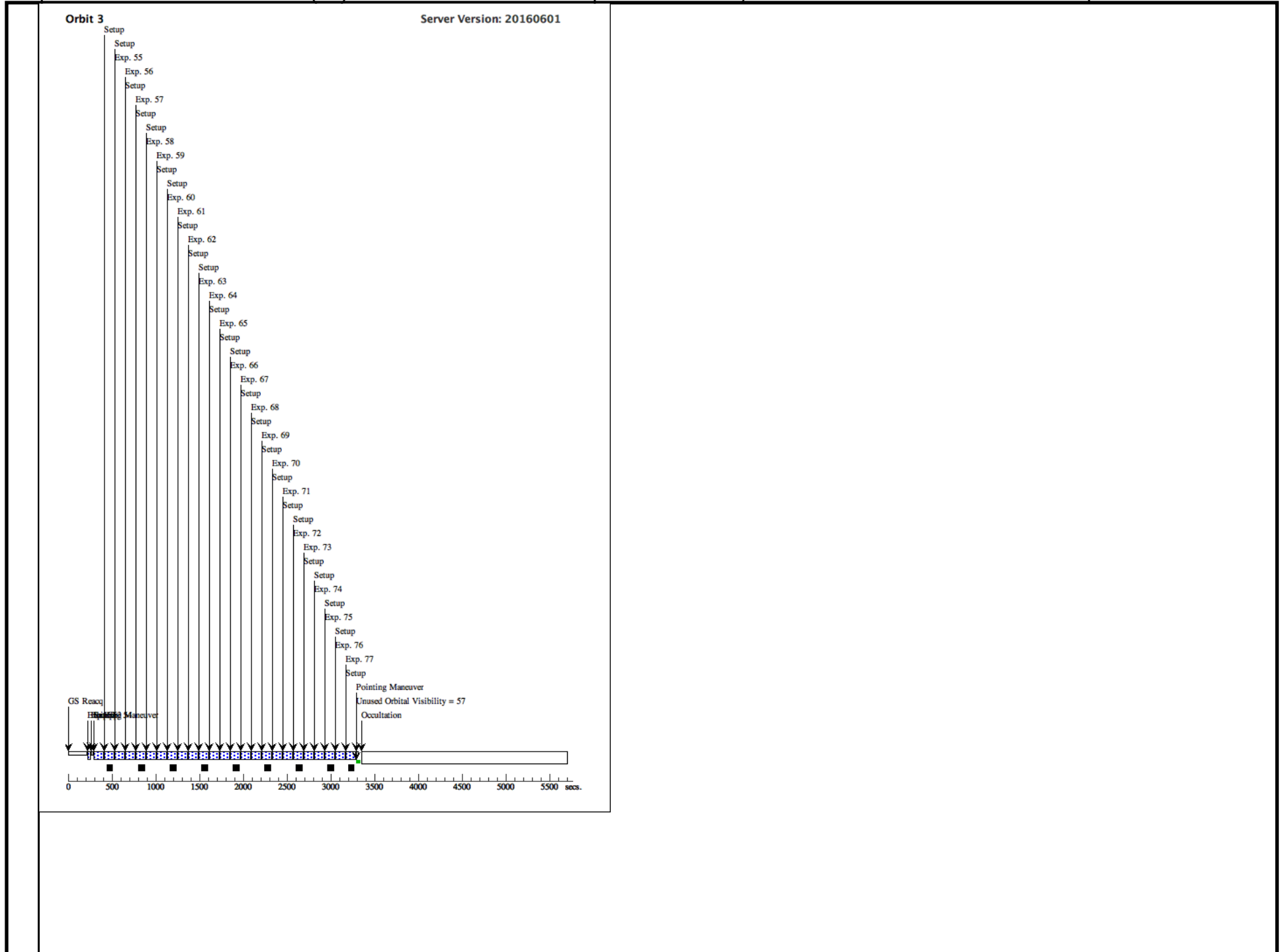
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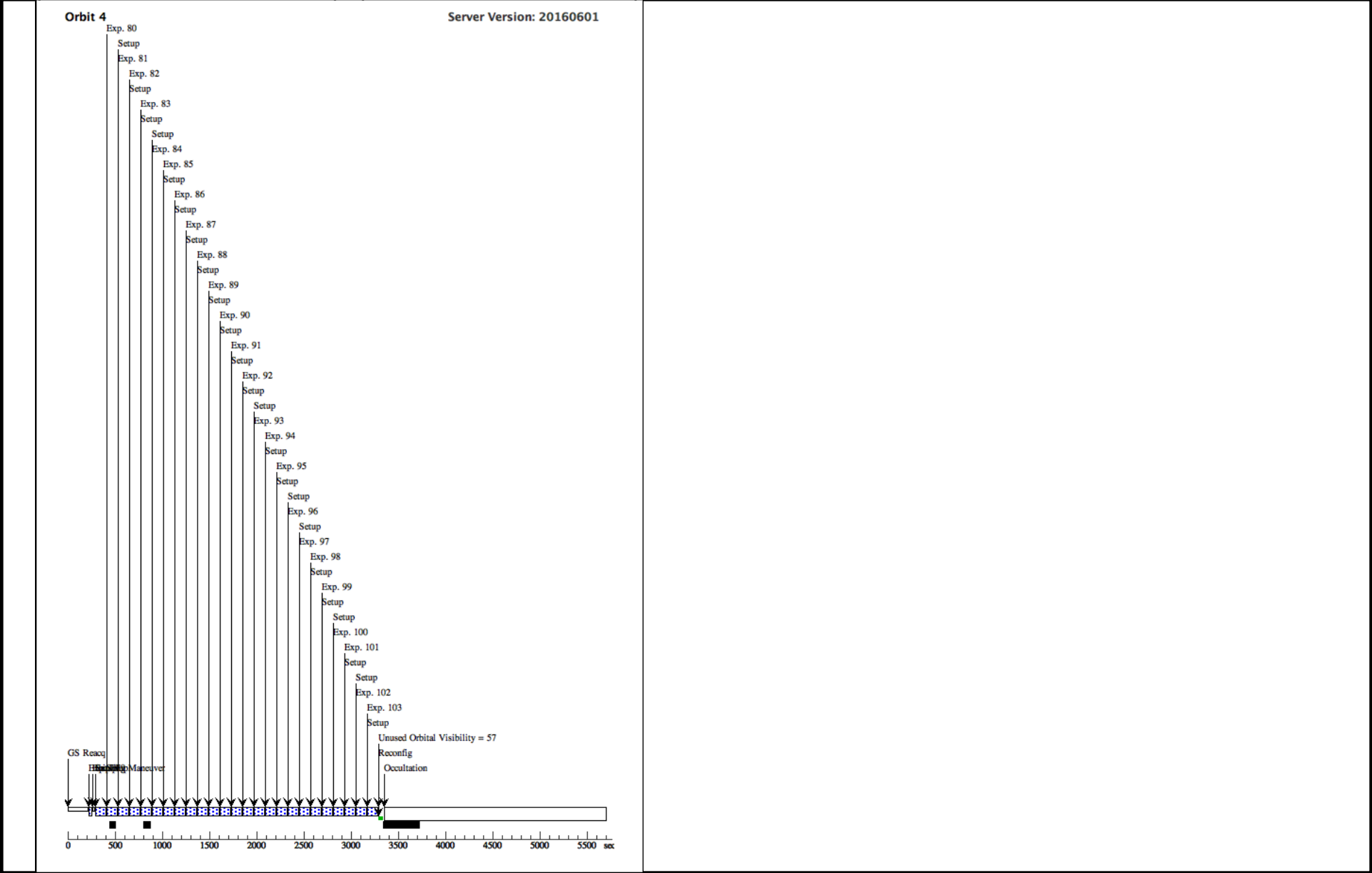
92	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
93	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
94	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
95	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
96	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
97	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
98	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
99	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
100	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
101	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
102	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]
103	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (02)	81.089172 Secs (81.089 Secs)	[==>]	[4]





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Proposal 14793 - HAT11-transit (03) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet

Visit	Proposal 14793, HAT11-transit (03), failed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 30%; Period 4.8878049 D AND ZERO-PHASE HJD2454957.812464					Wed Nov 09 17:19:28 GMT 2016
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	HAT-P-11	RA: 19 50 50.2477 (297.7093654d) Dec: +48 04 51.09 (48.08086d) Equinox: J2000	Proper Motion RA: 127.2 mas/yr Proper Motion Dec: 231.23 mas/yr Epoch of Position: 2000	V=9.47 H=7.13	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.						

Proposal 14793 - HAT11-transit (03) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,-13; PHASE 0.96668295 TO 0.97236603	Sequence 1-25 Non-Int in HAT11-transit (03)	0.55563 Secs (0.556 Secs) [==>]	[1]
	2	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs) [==>]	[1]
	3	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs) [==>]	[1]
	4	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs) [==>]	[1]
	5	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs) [==>]	[1]
	6	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs) [==>]	[1]
	7	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs) [==>]	[1]
	8	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs) [==>]	[1]
	9	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs) [==>]	[1]
	10	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs) [==>]	[1]
	11	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs) [==>]	[1]
	12	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs) [==>]	[1]
	13	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs) [==>]	[1]

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14	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[1]
15	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[1]
16	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[1]
17	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[1]
18	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[1]
19	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[1]
20	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[1]
21	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[1]
22	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[1]
23	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[1]
24	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[1]
25	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[1]
26	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 26-51 Non-Int in HAT11-transit (03)	0.55563 Secs (0.556 Secs)	[==>]	[2]

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27	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
28	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
29	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
30	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
31	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
32	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
33	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
34	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
35	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
36	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
37	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
38	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
39	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]

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40	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
41	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
42	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
43	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
44	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
45	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
46	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
47	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
48	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
49	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
50	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
51	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[2]
52	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 52-77 Non-Int in HAT11-transit (03)	0.55563 Secs (0.556 Secs)	[==>]	[3]

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53	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
54	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
55	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
56	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
57	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
58	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
59	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
60	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
61	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
62	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
63	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
64	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
65	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]

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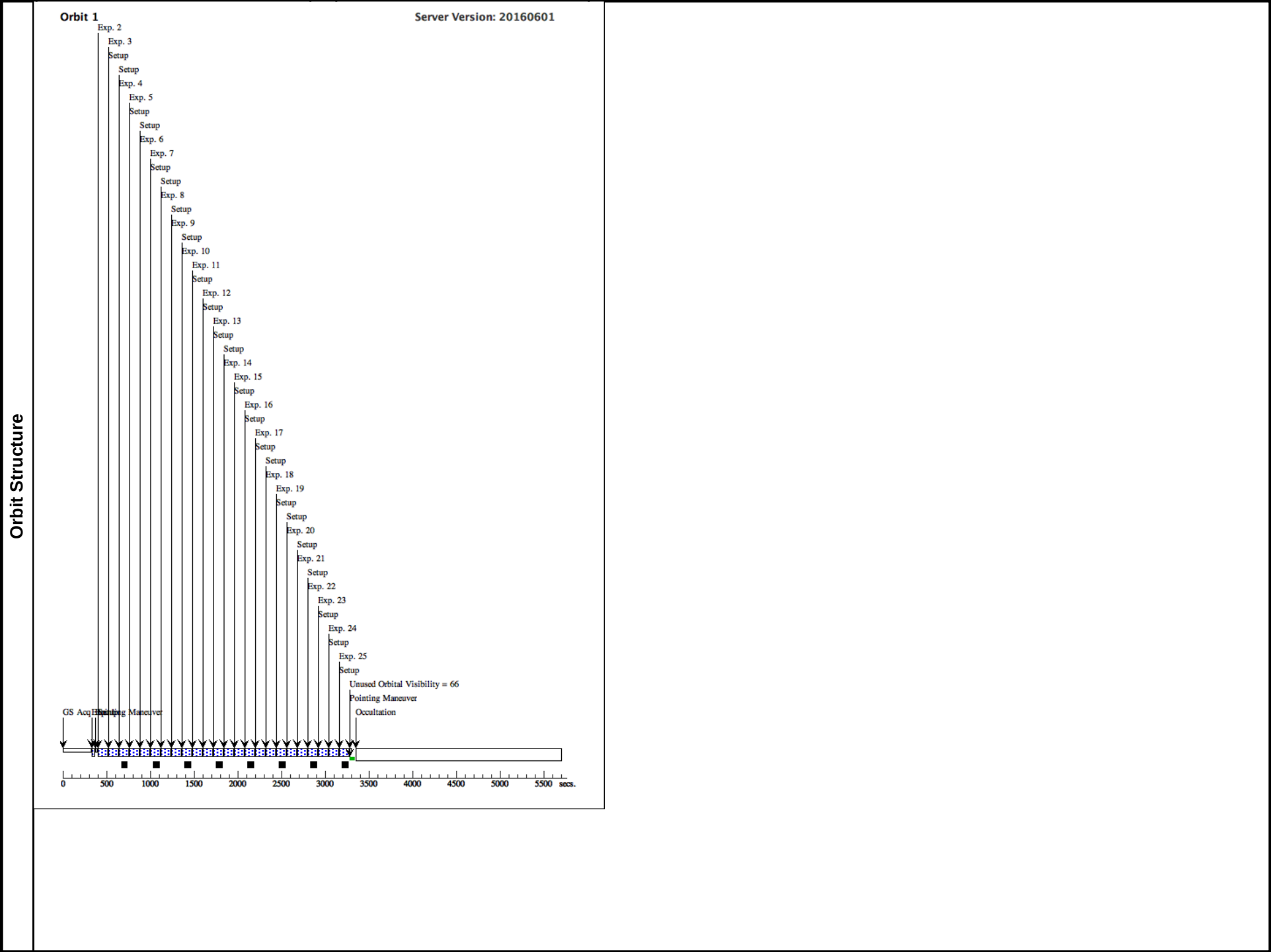
66	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
67	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
68	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
69	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
70	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
71	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
72	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
73	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
74	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
75	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
76	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
77	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[3]
78	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 78-103 Non-Int in HAT11-transit (03)	0.55563 Secs (0.556 Secs)	[==>]	[4]

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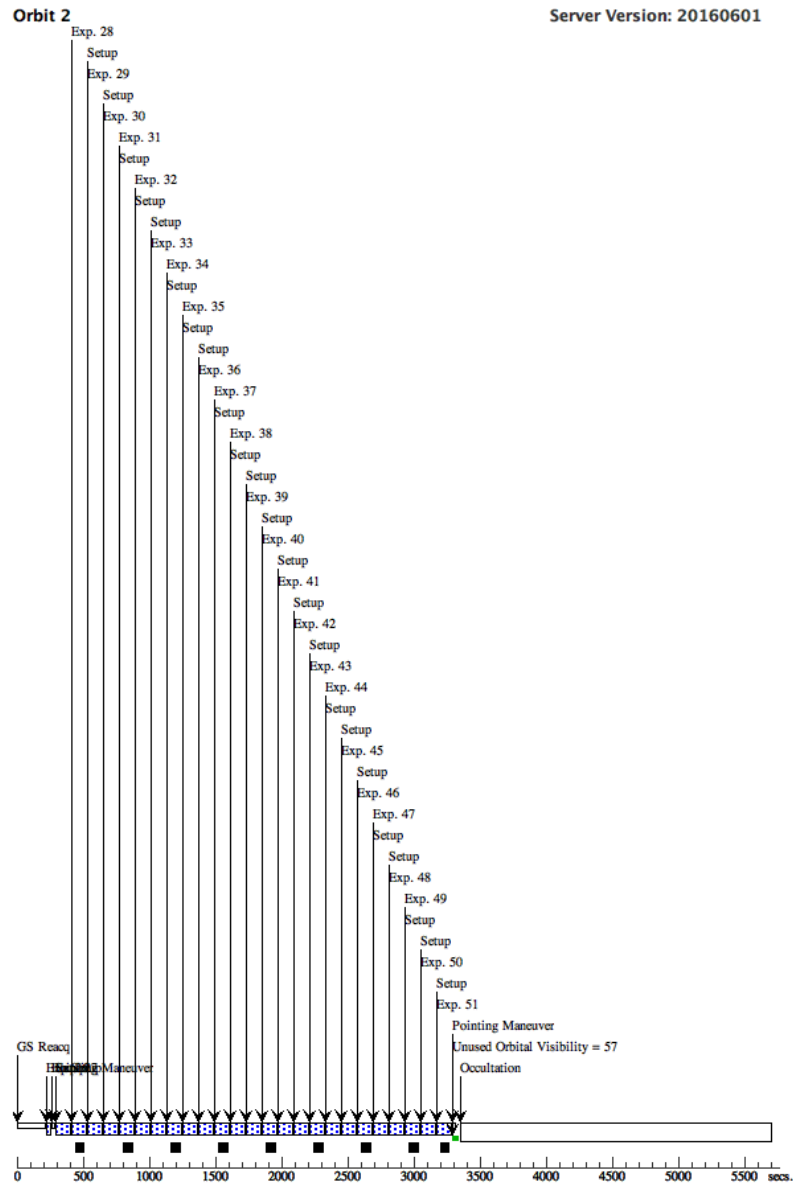
79	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
80	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
81	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
82	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
83	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
84	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
85	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
86	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
87	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
88	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
89	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
90	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
91	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]

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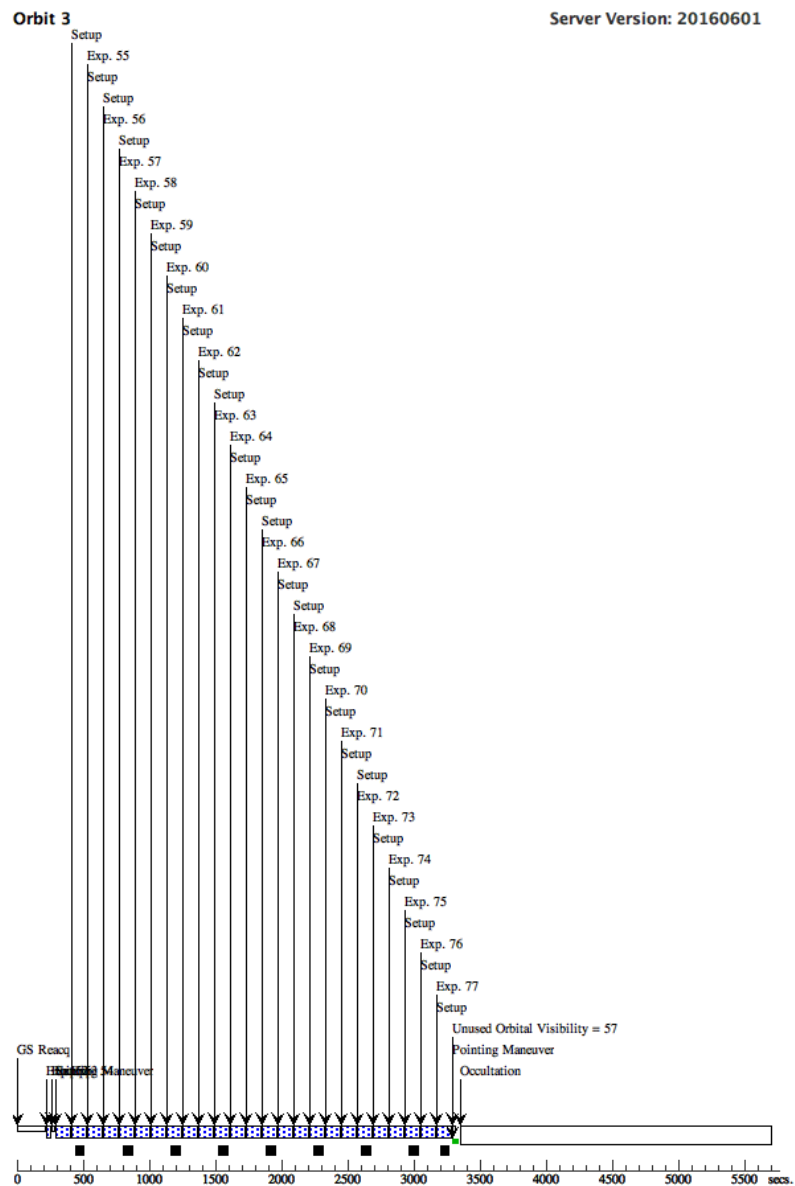
92	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
93	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
94	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
95	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
96	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
97	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
98	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
99	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
100	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
101	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
102	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]
103	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (03)	81.089172 Secs (81.089 Secs)	[==>]	[4]

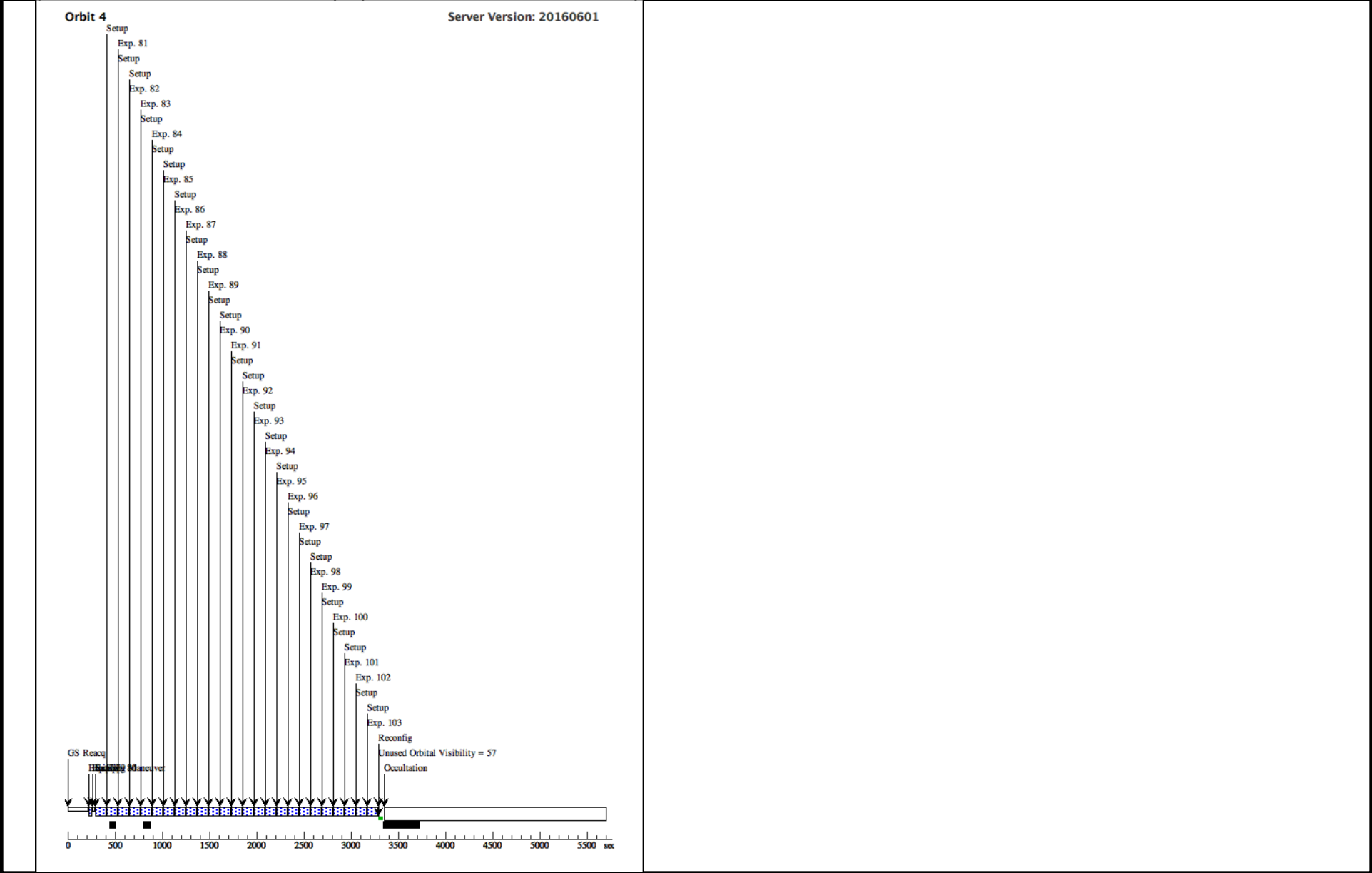


Proposal 14793 - HAT11-transit (03) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet



Proposal 14793 - HAT11-transit (03) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet





Proposal 14793 - HAT11-transit (53) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet

Visit	Proposal 14793, HAT11-transit (53) Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 30%; Period 4.8878049 D AND ZERO-PHASE HJD2454957.812464 <i>Comments: HOPR repeat of visit 3</i>					Wed Nov 09 17:19:29 GMT 2016
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	HAT-P-11	RA: 19 50 50.2477 (297.7093654d) Dec: +48 04 51.09 (48.08086d) Equinox: J2000	Proper Motion RA: 127.2 mas/yr Proper Motion Dec: 231.23 mas/yr Epoch of Position: 2000	V=9.47 H=7.13	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Proposal 14793 - HAT11-transit (53) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0; PHASE 0.96668295 TO 0.97236603	Sequence 1-25 Non-Int in HAT11-transit (53)	0.55563 Secs (0.556 Secs) [==>]	[1]
	2	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs) [==>]	[1]
	3	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs) [==>]	[1]
	4	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs) [==>]	[1]
	5	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs) [==>]	[1]
	6	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs) [==>]	[1]
	7	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs) [==>]	[1]
	8	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs) [==>]	[1]
	9	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs) [==>]	[1]
	10	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs) [==>]	[1]
	11	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs) [==>]	[1]
	12	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs) [==>]	[1]
	13	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs) [==>]	[1]

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14	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[1]
15	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[1]
16	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[1]
17	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[1]
18	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[1]
19	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[1]
20	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[1]
21	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[1]
22	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[1]
23	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[1]
24	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[1]
25	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[1]
26	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 26-51 Non-Int in HAT11-transit (53)	0.55563 Secs (0.556 Secs)	[==>]	[2]

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27	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
28	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
29	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
30	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
31	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
32	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
33	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
34	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
35	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
36	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
37	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
38	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
39	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]

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40	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
41	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
42	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
43	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
44	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
45	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
46	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
47	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
48	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
49	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
50	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
51	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[2]
52	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 52-77 Non-Int in HAT11-transit (53)	0.55563 Secs (0.556 Secs)	[==>]	[3]

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53	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
54	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
55	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
56	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
57	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
58	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
59	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
60	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
61	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
62	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
63	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
64	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
65	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]

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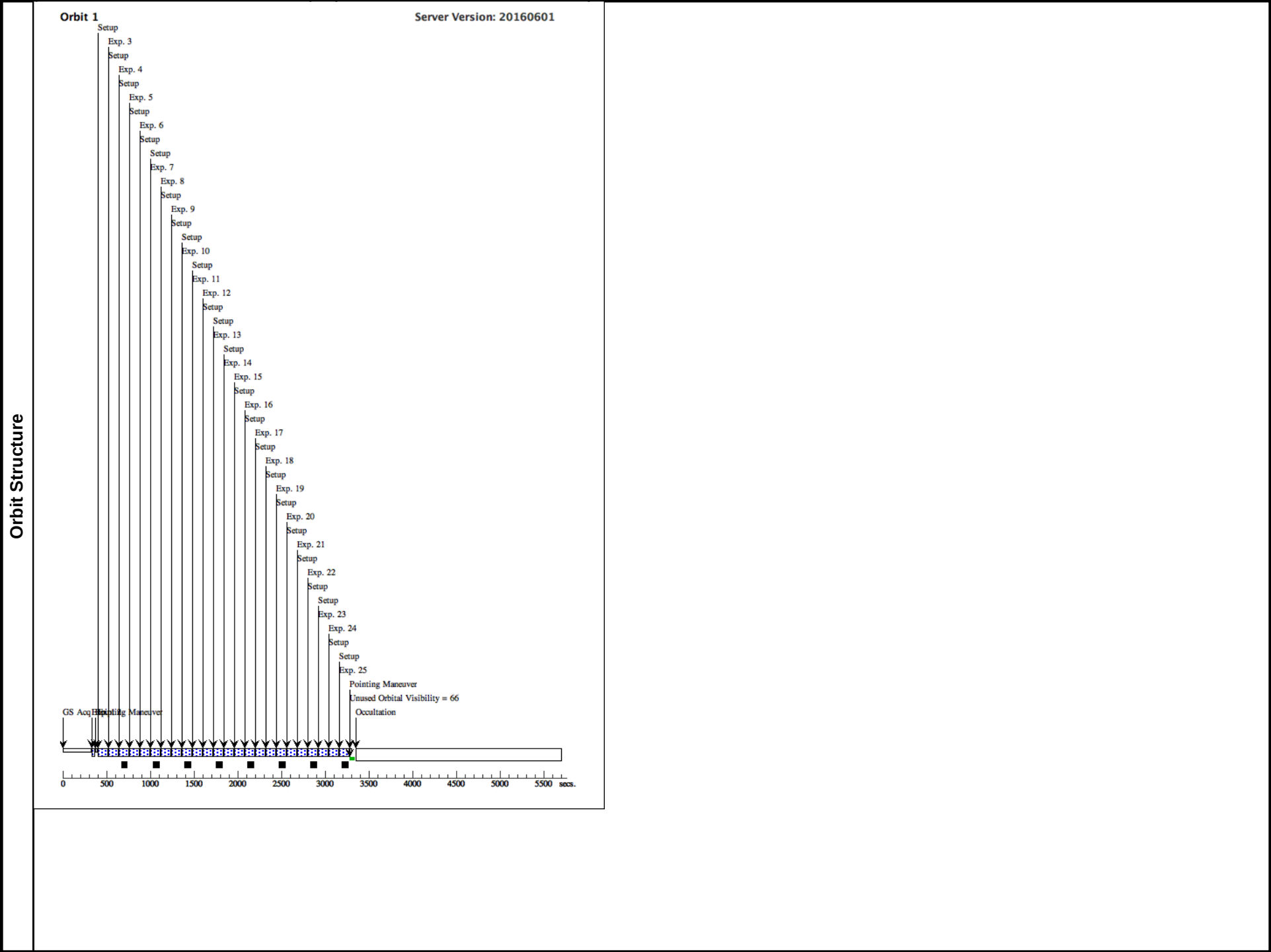
66	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
67	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
68	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
69	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
70	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
71	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
72	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
73	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
74	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
75	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
76	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
77	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[3]
78	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 78-103 Non-Int in HAT11-transit (53)	0.55563 Secs (0.556 Secs)	[==>]	[4]

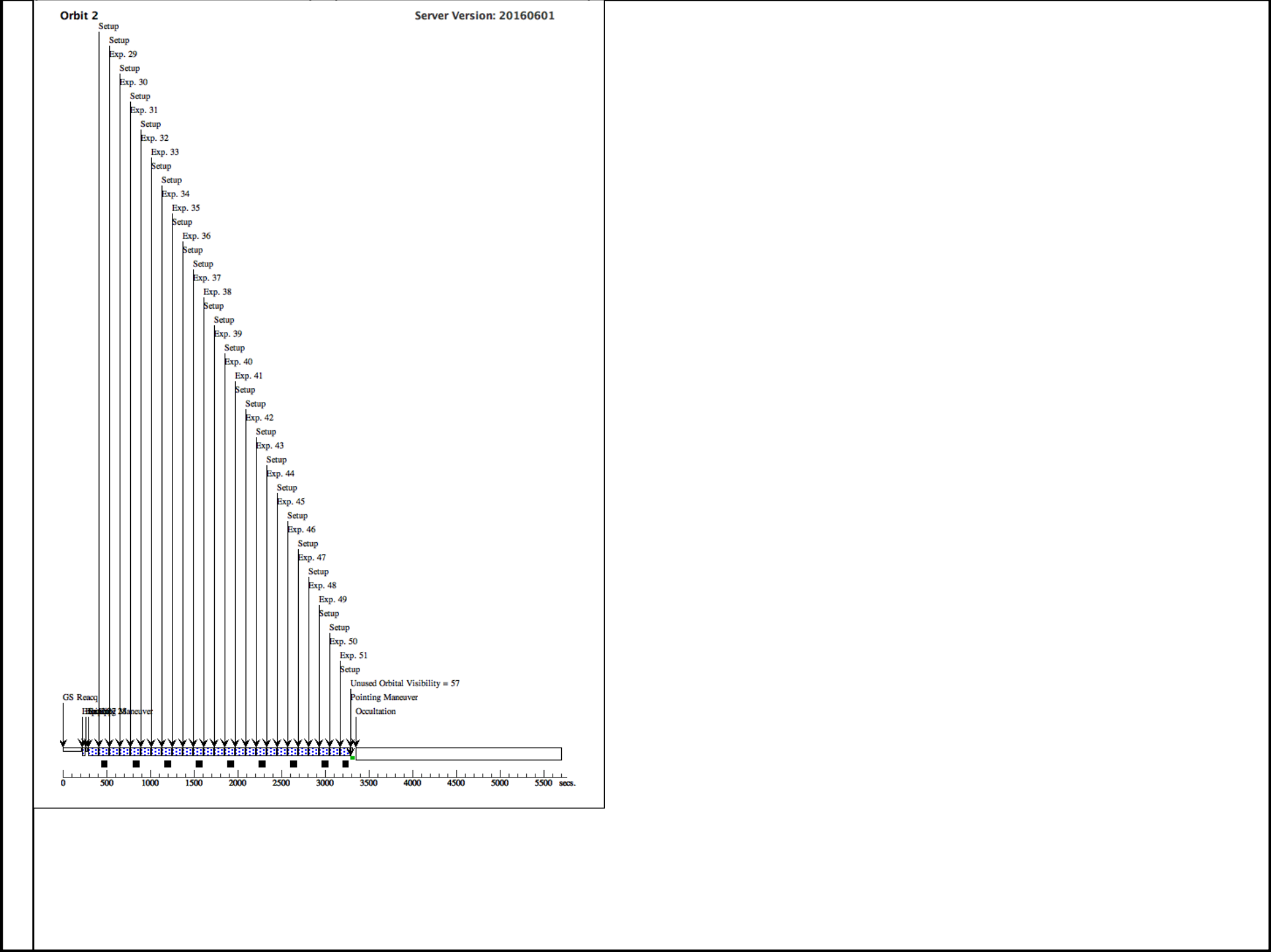
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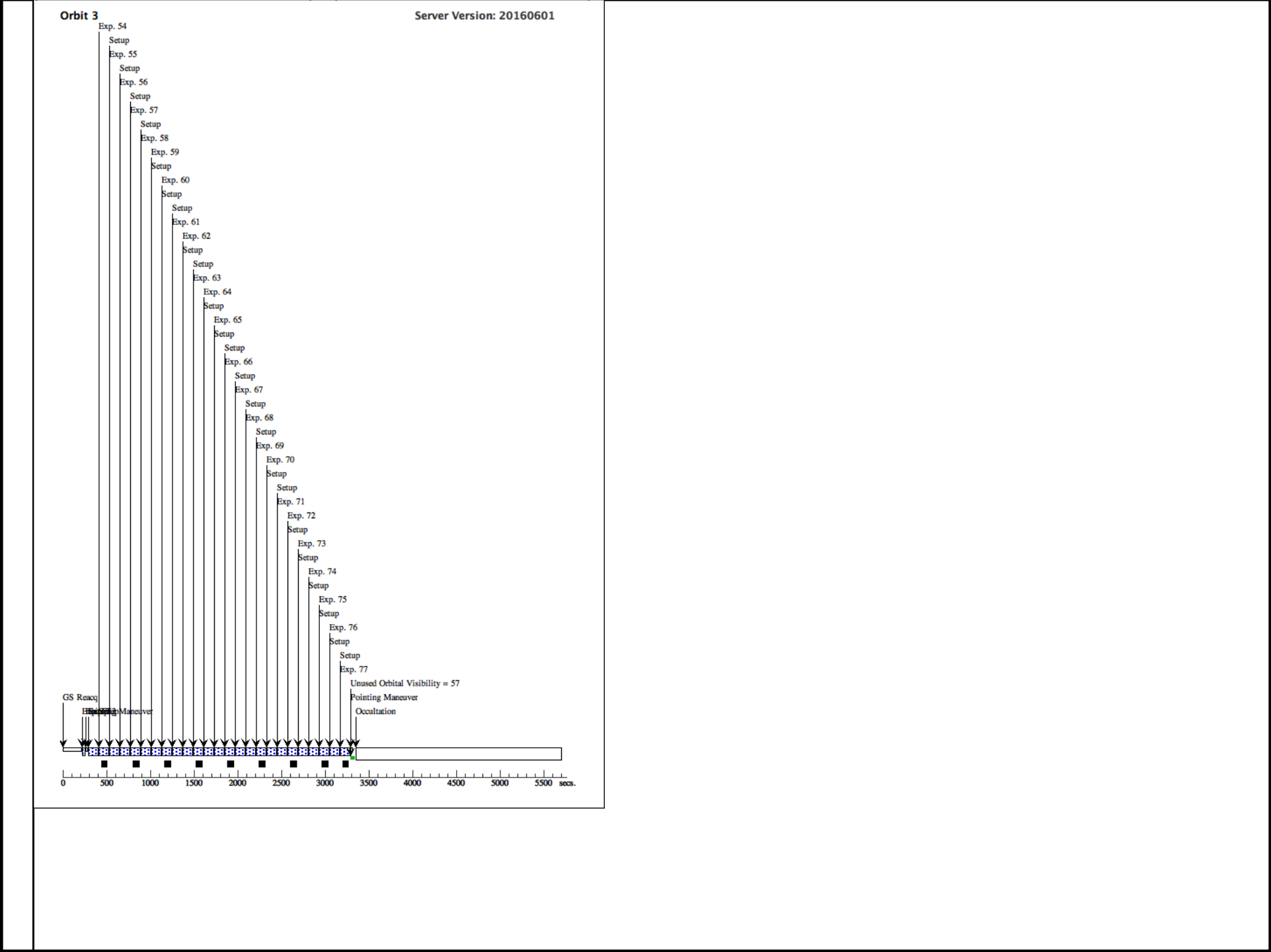
79	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
80	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
81	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
82	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
83	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
84	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
85	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
86	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
87	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
88	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
89	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
90	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
91	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]

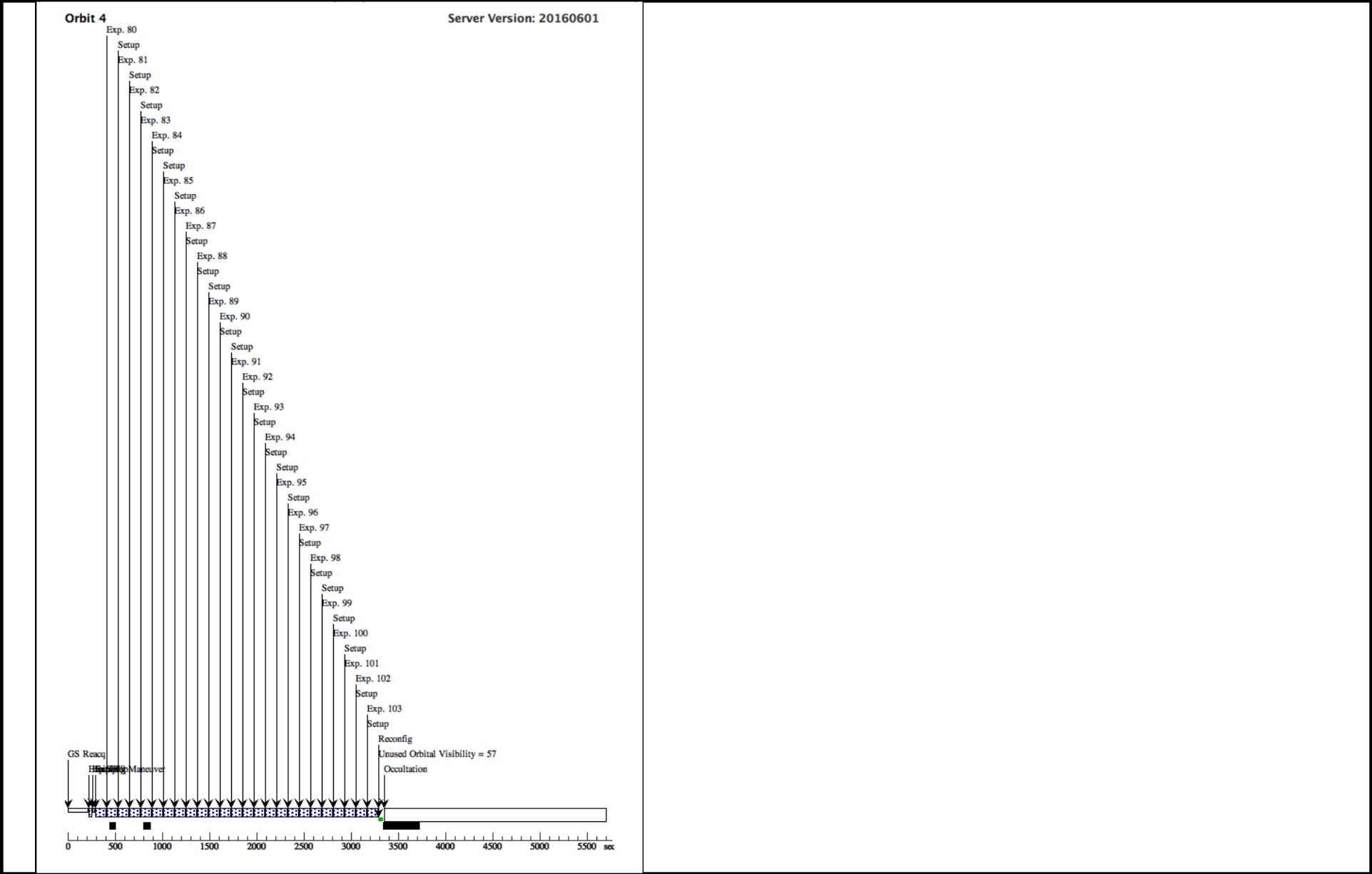
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92	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
93	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
94	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
95	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
96	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
97	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
98	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
99	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
100	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
101	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
102	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]
103	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (53)	81.089172 Secs (81.089 Secs)	[==>]	[4]









Proposal 14793 - HAT11-transit (04) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet

Visit	Proposal 14793, HAT11-transit (04), scheduled Wed Nov 09 17:19:29 GMT 2016				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 30%; Period 4.8878049 D AND ZERO-PHASE HJD2454957.812464				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	HAT-P-11	RA: 19 50 50.2477 (297.7093654d) Dec: +48 04 51.09 (48.08086d) Equinox: J2000	Proper Motion RA: 127.2 mas/yr Proper Motion Dec: 231.23 mas/yr Epoch of Position: 2000	V=9.47 H=7.13
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					

Proposal 14793 - HAT11-transit (04) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,-13; PHASE 0.96810372 TO 0.97094526	Sequence 1-25 Non-Int in HAT11-transit (04)	0.55563 Secs (0.556 Secs) [==>]	[1]
	2	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs) [==>]	[1]
	3	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs) [==>]	[1]
	4	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs) [==>]	[1]
	5	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs) [==>]	[1]
	6	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs) [==>]	[1]
	7	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs) [==>]	[1]
	8	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs) [==>]	[1]
	9	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs) [==>]	[1]
	10	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs) [==>]	[1]
	11	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs) [==>]	[1]
	12	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs) [==>]	[1]
	13	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs) [==>]	[1]

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14	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[1]
15	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[1]
16	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[1]
17	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[1]
18	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[1]
19	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[1]
20	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[1]
21	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[1]
22	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[1]
23	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[1]
24	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[1]
25	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[1]
26	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 26-51 Non-Int in HAT11-transit (04)	0.55563 Secs (0.556 Secs)	[==>]	[2]

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27	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
28	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
29	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
30	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
31	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
32	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
33	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
34	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
35	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
36	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
37	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
38	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
39	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]

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40	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
41	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
42	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
43	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
44	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
45	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
46	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
47	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
48	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
49	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
50	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
51	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[2]
52	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 52-77 Non-Int in HAT11-transit (04)	0.55563 Secs (0.556 Secs)	[==>]	[3]

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53	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
54	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
55	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
56	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
57	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
58	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
59	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
60	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
61	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
62	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
63	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
64	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
65	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]

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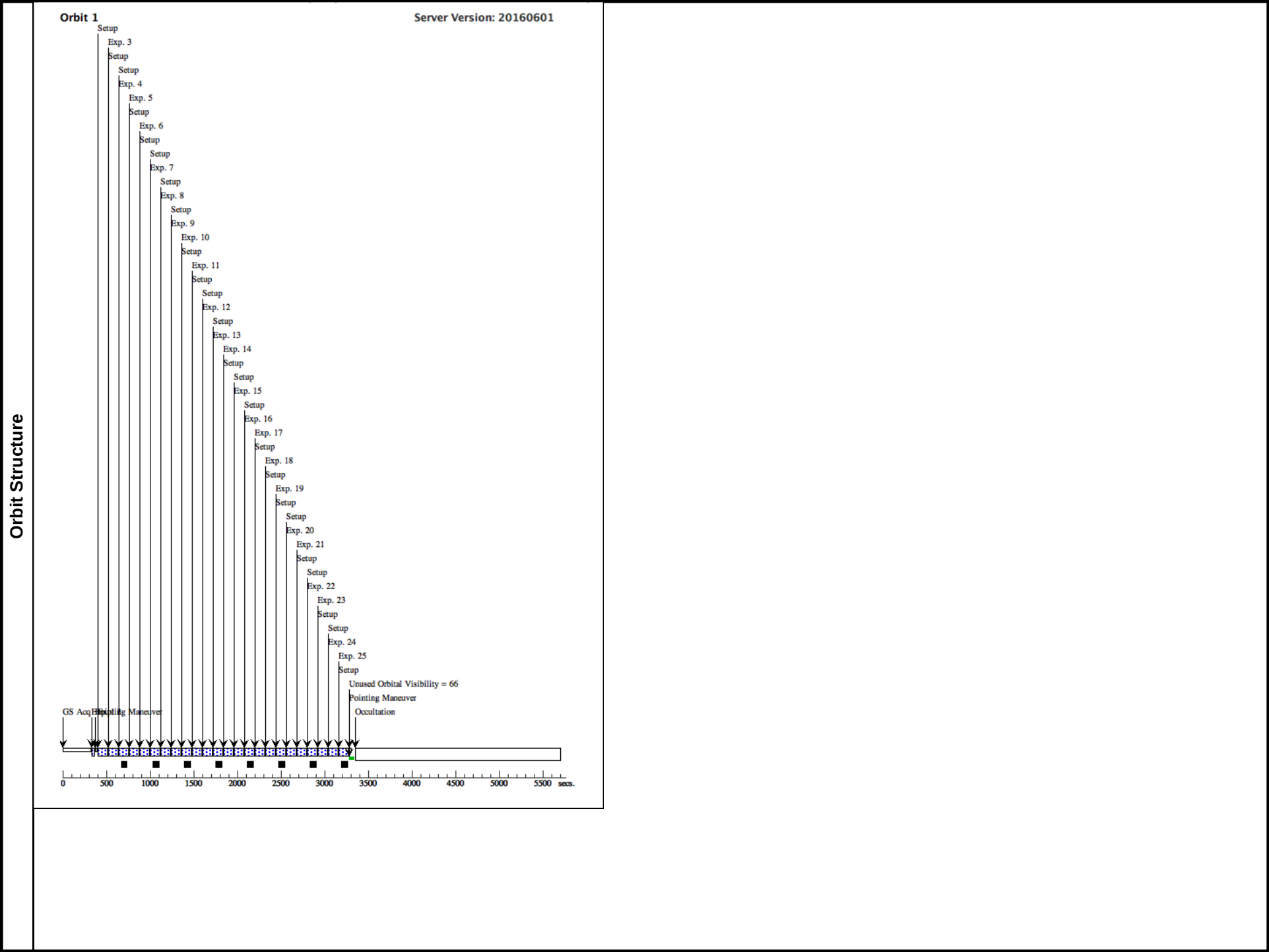
66	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
67	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
68	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
69	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
70	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
71	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
72	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
73	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
74	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
75	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
76	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
77	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[3]
78	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 78-103 Non-Int in HAT11-transit (04)	0.55563 Secs (0.556 Secs)	[==>]	[4]

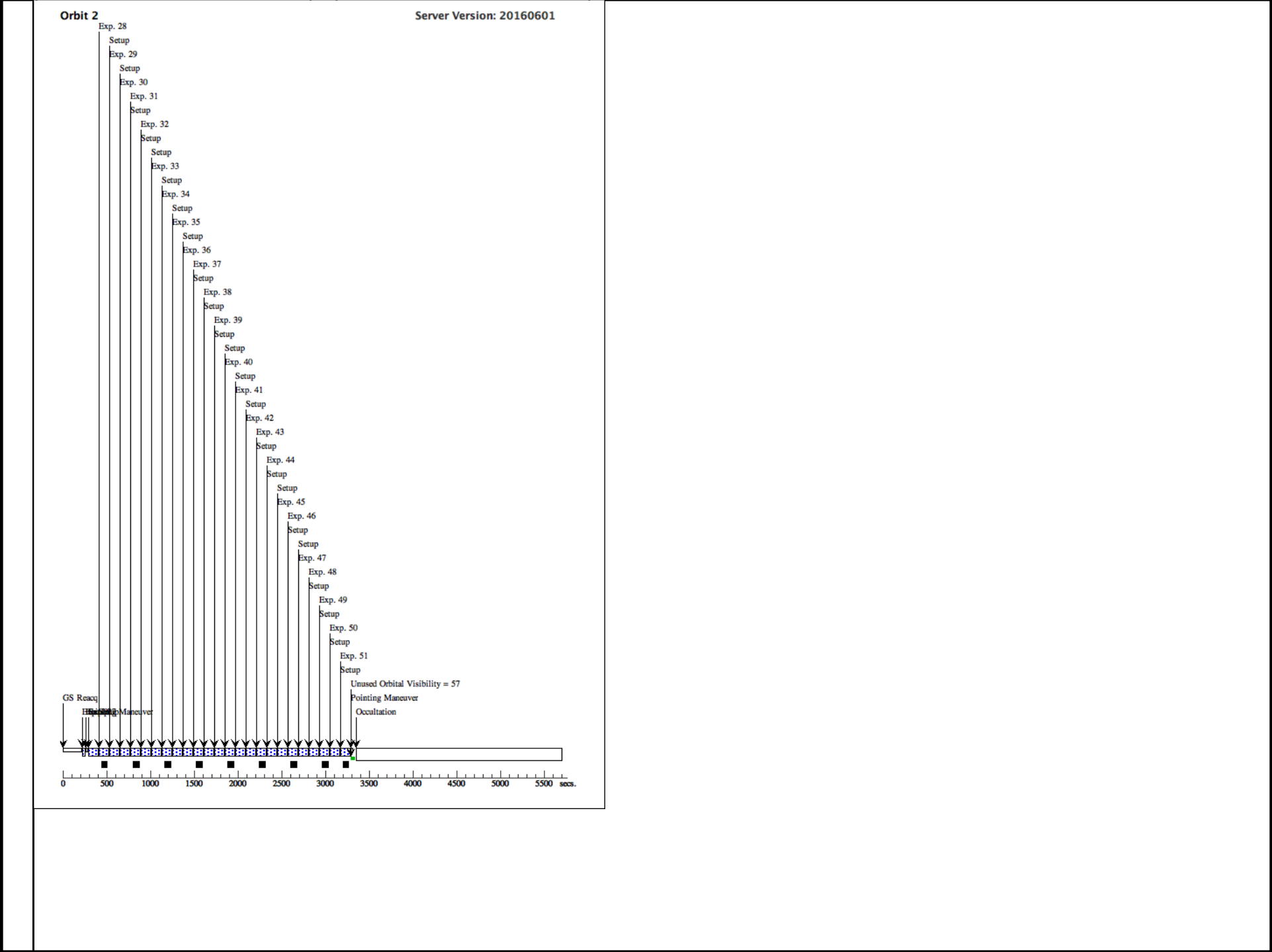
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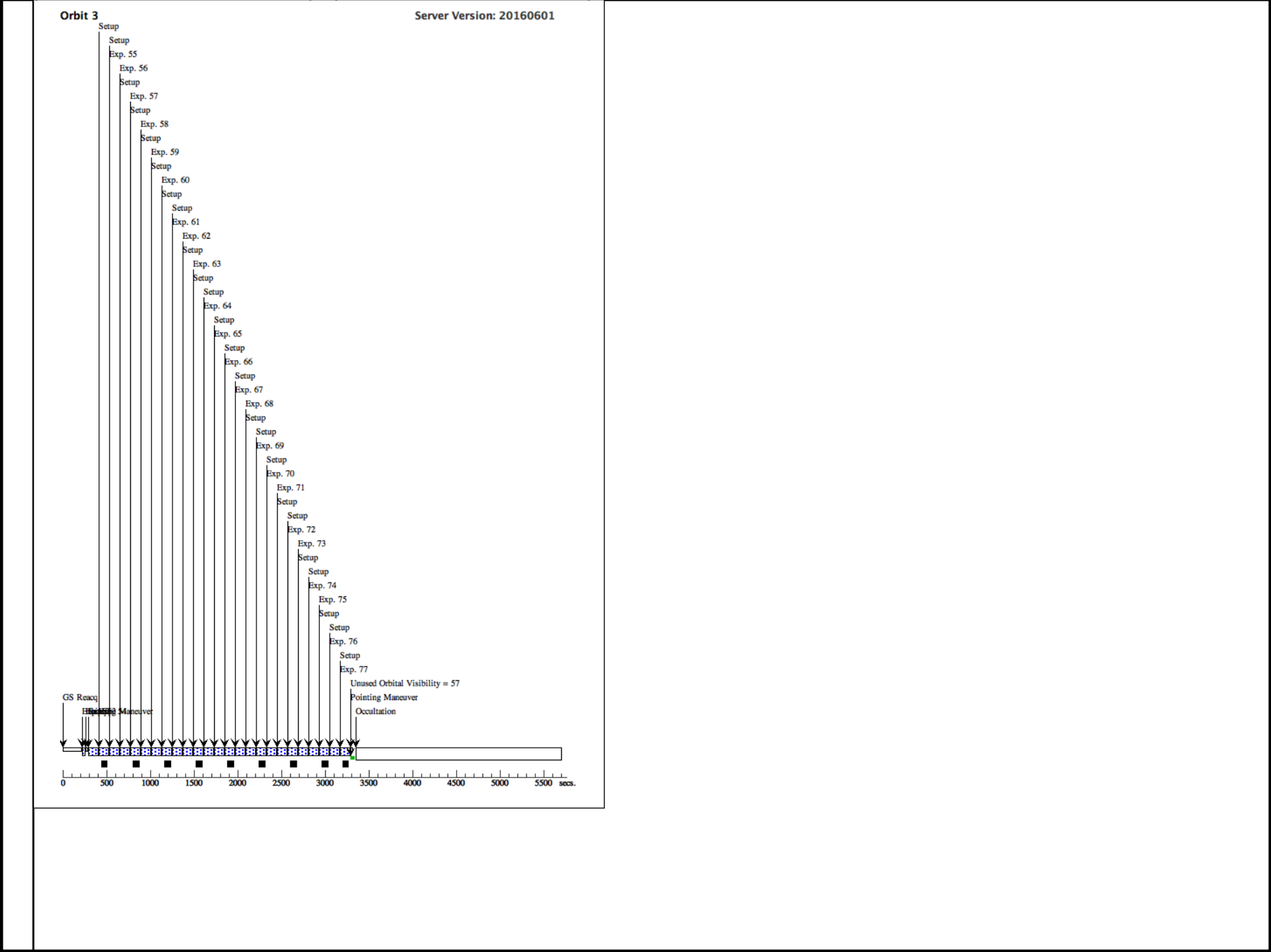
79	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
80	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
81	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
82	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
83	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
84	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
85	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
86	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
87	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
88	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
89	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
90	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
91	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]

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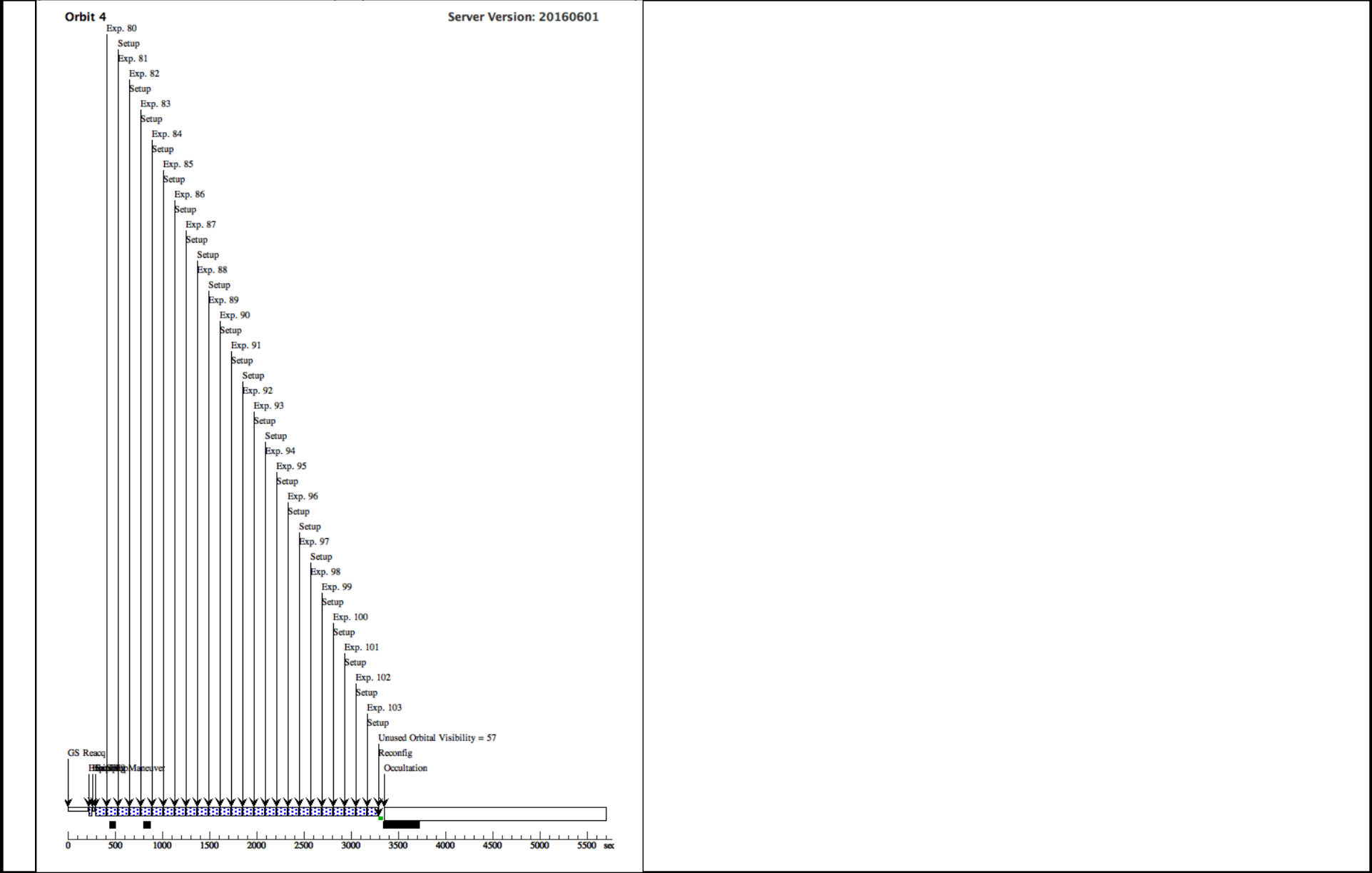
92	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
93	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
94	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
95	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
96	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
97	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
98	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
99	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
100	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
101	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
102	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]
103	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (04)	81.089172 Secs (81.089 Secs)	[==>]	[4]







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Proposal 14793 - HAT11-transit (05) - The First Precise Atmospheric Metallicity Measurement for a Sub-Jovian Exoplanet

Visit	Proposal 14793, HAT11-transit (05), scheduling Wed Nov 09 17:19:29 GMT 2016				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 30%; Period 4.8878049 D AND ZERO-PHASE HJD2454957.812464				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	HAT-P-11	RA: 19 50 50.2477 (297.7093654d) Dec: +48 04 51.09 (48.08086d) Equinox: J2000	Proper Motion RA: 127.2 mas/yr Proper Motion Dec: 231.23 mas/yr Epoch of Position: 2000	V=9.47 H=7.13
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					

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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,-13; PHASE 0.96668295 TO 0.97236603	Sequence 1-25 Non-Int in HAT11-transit (05)	0.55563 Secs (0.556 Secs) [==>]	[1]
	2	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs) [==>]	[1]
	3	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs) [==>]	[1]
	4	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs) [==>]	[1]
	5	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs) [==>]	[1]
	6	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs) [==>]	[1]
	7	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs) [==>]	[1]
	8	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs) [==>]	[1]
	9	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs) [==>]	[1]
	10	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs) [==>]	[1]
	11	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs) [==>]	[1]
	12	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs) [==>]	[1]
	13	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs) [==>]	[1]

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14	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[1]
15	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[1]
16	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[1]
17	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[1]
18	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[1]
19	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[1]
20	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[1]
21	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[1]
22	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[1]
23	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[1]
24	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[1]
25	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 1-25 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[1]
26	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 26-51 Non-Int in HAT11-transit (05)	0.55563 Secs (0.556 Secs)	[==>]	[2]

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27	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
28	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
29	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
30	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
31	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
32	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
33	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
34	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
35	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
36	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
37	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
38	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
39	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]

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40	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
41	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
42	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
43	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
44	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
45	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
46	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
47	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
48	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
49	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
50	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
51	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 26-51 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[2]
52	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 52-77 Non-Int in HAT11-transit (05)	0.55563 Secs (0.556 Secs)	[==>]	[3]

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53	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
54	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
55	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
56	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
57	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
58	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
59	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
60	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
61	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
62	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
63	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
64	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
65	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]

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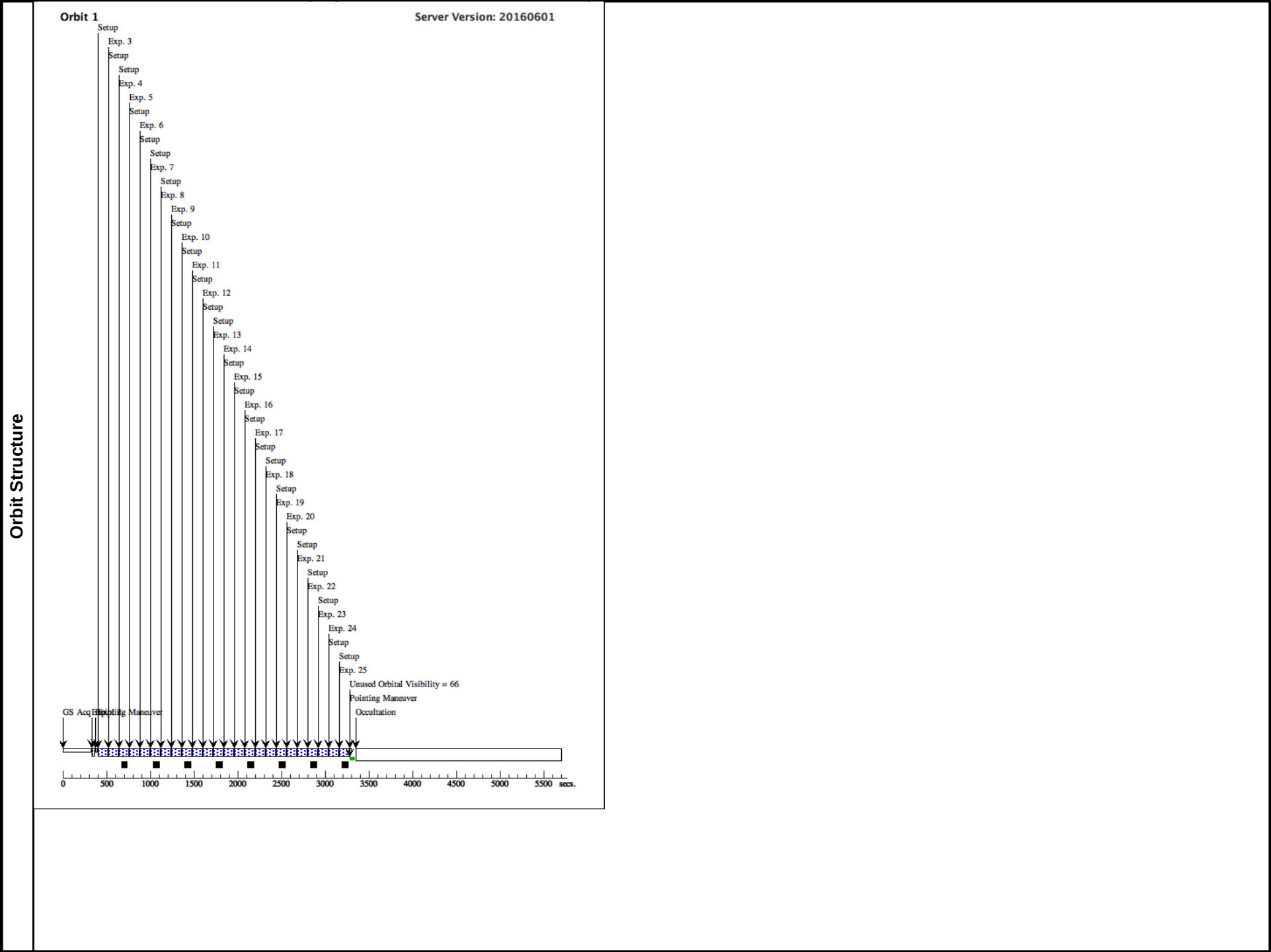
66	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
67	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
68	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
69	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
70	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
71	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
72	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
73	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
74	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
75	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
76	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
77	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 52-77 Non-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[3]
78	Image	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	F126N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG 0,0	Sequence 78-103 Non-Int in HAT11-transit (05)	0.55563 Secs (0.556 Secs)	[==>]	[4]

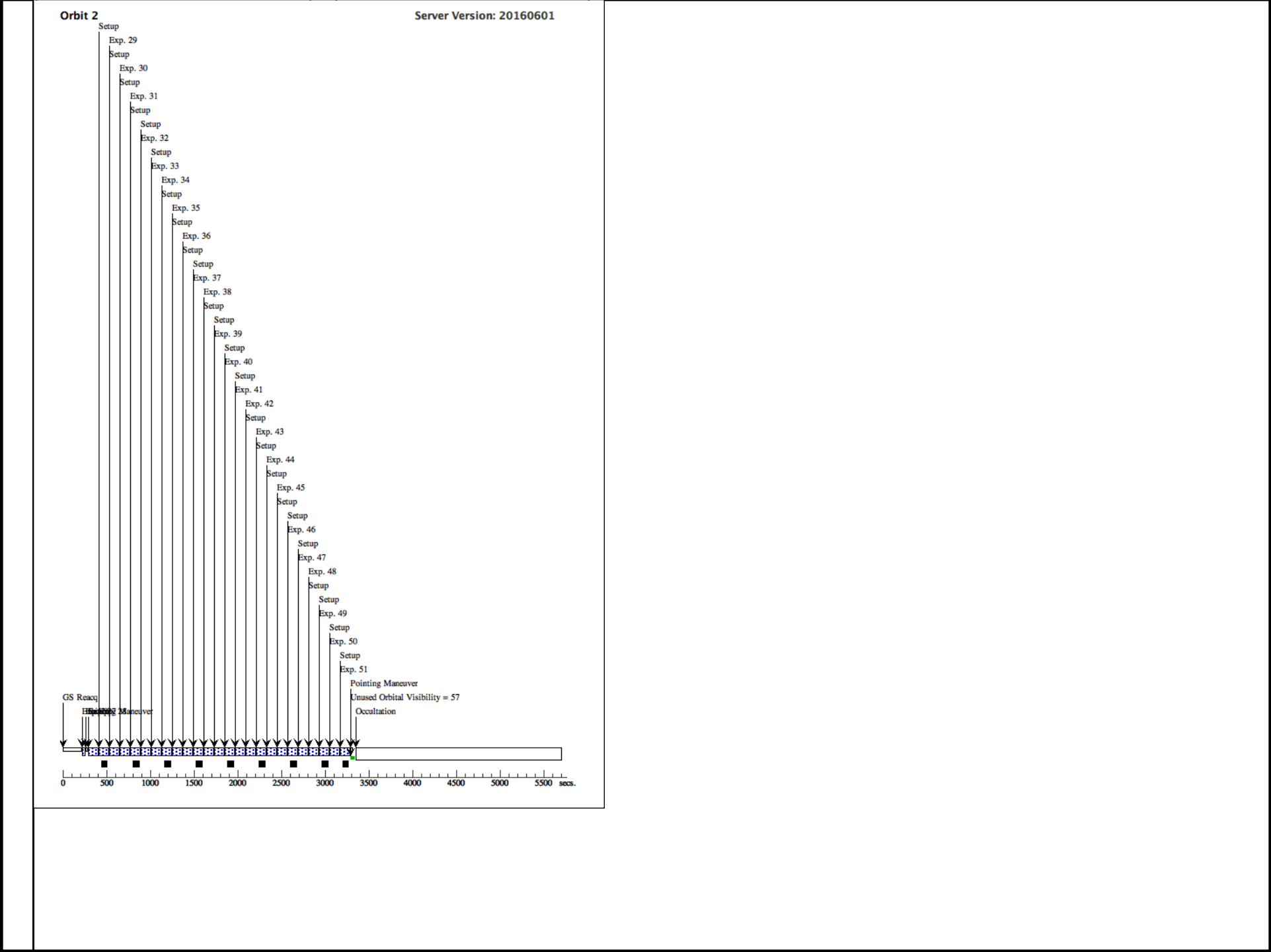
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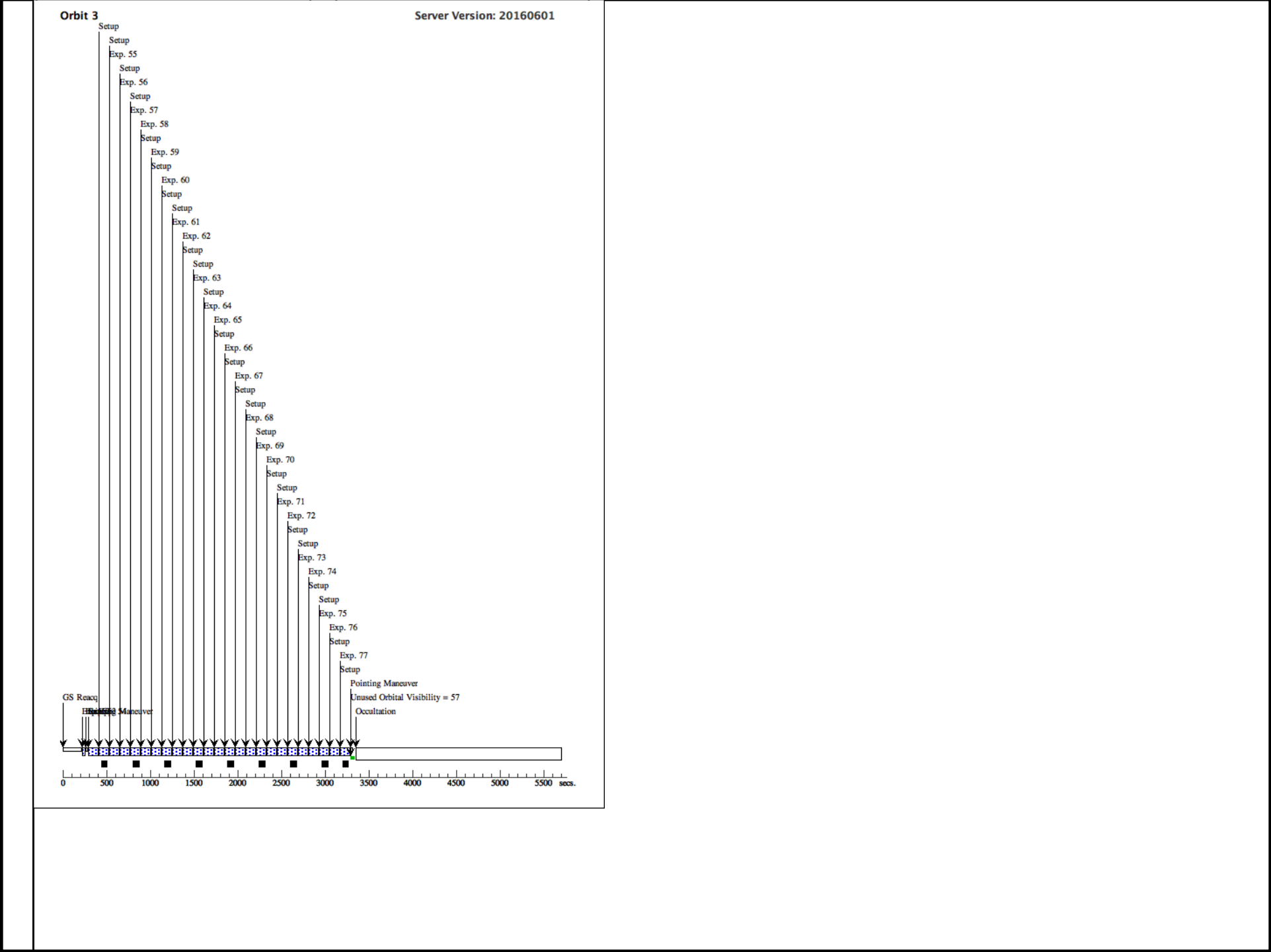
79	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
80	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
81	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
82	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
83	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
84	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
85	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
86	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
87	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
88	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
89	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
90	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
91	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]

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92	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
93	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
94	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
95	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
96	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
97	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
98	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
99	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
100	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
101	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
102	Reverse	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Reverse	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]
103	Forward	(1) HAT-P-11	WFC3/IR, MULTIACCUM, GRISM256	G102	SAMP-SEQ=SPARS 10; NSAMP=12	POS TARG 0,-13; SPATIAL SCAN 0.2 5,90.0 Degrees,Forward	Sequence 78-103 No n-Int in HAT11-transit (05)	81.089172 Secs (81.089 Secs)	[==>]	[4]







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