



14334 - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Cycle: 23, Proposal Category: GO/DD

(Availability Mode: AVAILABLE)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Amy Simon (PI) (Contact)	NASA Goddard Space Flight Center	amy.simon@nasa.gov
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Dr. Glenn S. Orton (CoI)	Jet Propulsion Laboratory	glenn.s.orton@jpl.nasa.gov

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	(3) URANUS-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:33.0	yes
02	(3) URANUS-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:35.0	yes
03	(3) URANUS-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:36.0	yes
04	(3) URANUS-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:38.0	yes
05	(3) URANUS-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:40.0	yes
06	(3) URANUS-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:43.0	yes
07	(3) URANUS-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:45.0	yes
08	(3) URANUS-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:47.0	yes
09	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:48.0	yes
10	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:49.0	yes
11	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:50.0	yes
12	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:51.0	yes

<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>
13	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:52.0	yes
14	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:53.0	yes
15	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:54.0	yes
16	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:55.0	yes
17	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:56.0	yes
18	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:57.0	yes
19	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:58.0	yes
20	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Sep-2016 17:25:59.0	yes
21	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Sep-2016 17:26:00.0	yes
22	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Sep-2016 17:26:01.0	yes
23	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Sep-2016 17:26:03.0	yes
24	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Sep-2016 17:26:05.0	yes
25	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Sep-2016 17:26:07.0	yes
26	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Sep-2016 17:26:08.0	yes
27	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Sep-2016 17:26:10.0	yes
28	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Sep-2016 17:26:12.0	yes
29	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Sep-2016 17:26:13.0	yes

29 Total Orbits Used

ABSTRACT

Long time base observations of the outer planets are critical in understanding the atmospheric dynamics and evolution of the gas giants. We propose yearly monitoring of each giant planet for the remainder of Hubble's lifetime to provide a lasting legacy of increasingly valuable data for time-domain studies. The Hubble Space Telescope is a unique asset to planetary science, allowing high spatial resolution data with absolute photometric knowledge. For the outer planets, gas/ice giant planets Jupiter, Saturn, Uranus and Neptune, many phenomena happen on timescales of years to decades, and the data we propose are beyond the scope of a typical GO program. Hubble is the only platform that can provide high spatial resolution global studies of cloud coloration, activity, and motion on a consistent time basis to help constrain the underlying mechanics. Note that Saturn is not

Proposal 14334 (STScI Edit Number: 8, Created: Wednesday, September 7, 2016 4:26:14 PM EST) - Overview
requested until 2018, when orbit allocation would increase from 29 to 41; here we show the orbits for Cycle 22.

OBSERVING DESCRIPTION

Global mapping for each of the four outer planets. Orbits spaced to allow complete longitude coverage for two rotations. Jupiter and Saturn orbits (when applicable) should be contiguous, and small incursions into the SAA may be ok. Uranus and Neptune orbits are spaced to give complete longitude coverage. CC: the PI and Co-I Wong on all correspondence

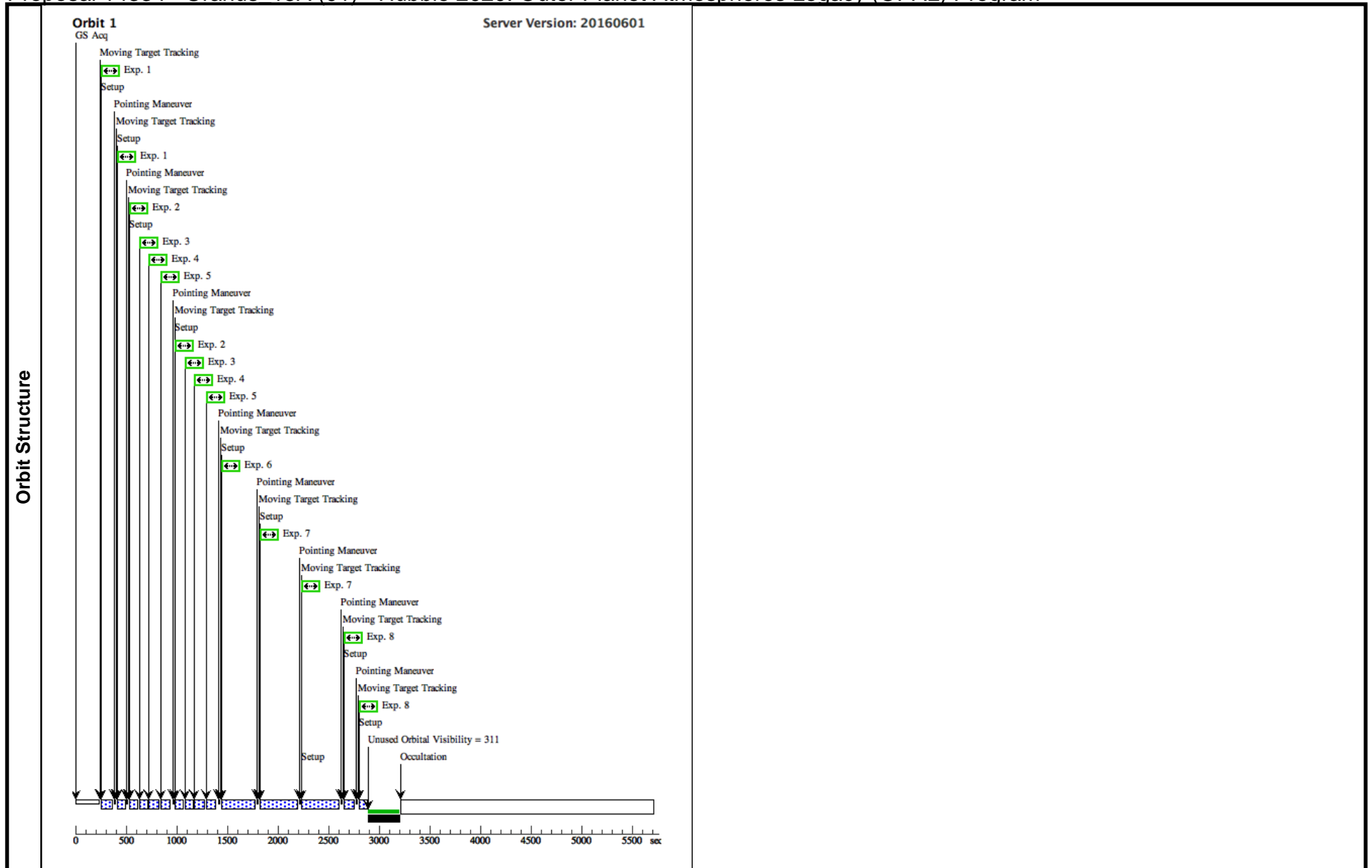
Proposal 14334 - Uranus 15A (01) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:14 GMT 2016

Visit	<p>Proposal 14334, Uranus_15A (01), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 06-SEP-2015:00:00:00 AND 15-NOV-2015:00:00:00</p> <p><i>Comments: Opposition (2015-OCT-11) +/- 35 days preferred. 8 orbits, with 2-orbit gaps between all visits (but prefer a 1-orbit gap between visits D/E, E/F, or F/G). Some shifting is OK, but absolutely need to keep all orbits such that visit H follows visit A with a gap of 19-21 orbits. Impingement into SAA is OK if the above timing gaps cannot prevent it.</i></p>																			
	<p>(F845M (01.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (01.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (01.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (01.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (01.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (01.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ619N_quadA (01.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (01.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ727N_quadD (01.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F845M (01.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>																			
Diagnosics																				
Patterns	<table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td> Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing= </td> <td> Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td>(1), (2-5), (7), (8)</td> </tr> </tbody> </table>	#	Primary Pattern	Secondary Pattern	Exposures	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1), (2-5), (7), (8)											
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(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1), (2-5), (7), (8)																	
Solar System Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Level 1</th> <th>Level 2</th> <th>Level 3</th> <th>Window</th> <th>Ephem Center</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>URANUS-MAPS</td> <td>STD=URANUS</td> <td></td> <td></td> <td></td> <td>EARTH</td> </tr> </tbody> </table>	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(3)	URANUS-MAPS	STD=URANUS				EARTH					
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center													
(3)	URANUS-MAPS	STD=URANUS				EARTH														

Proposal 14334 - Uranus 15A (01) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARIO SINGLE	Sequence 1-8 Non-Int in Uranus_15A (01)	35 Secs (70 Secs) [==>(Pattern 1)]	[1]
								Pattern 3, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_15A (01) (3)	[==>(Pattern 2)]	
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15A (01)	14 Secs (28 Secs) [==>(Pattern 1)]	[1]
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15A (01) (3)	[==>(Pattern 2)]	
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_15A (01)	6 Secs (12 Secs) [==>(Pattern 1)]	[1]
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15A (01) (3)	[==>(Pattern 2)]	
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15A (01)	40 Secs (80 Secs) [==>(Pattern 1)]	[1]
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15A (01) (3)	[==>(Pattern 2)]	
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15A (01)	30 Secs (60 Secs) [==>(Pattern 1)]	[1]
							Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15A (01) (3)	[==>(Pattern 2)]		
6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_15A (01)	144 Secs (144 Secs) [==>]	[1]	
7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=5	POS TARG -15,+15	Sequence 1-8 Non-Int in Uranus_15A (01)	200 Secs (400 Secs) [==>(Pattern 1)]	[1]	
							Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_15A (01) (3)	[==>(Pattern 2)]		
8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15A (01)	35 Secs (70 Secs) [==>(Pattern 1)]	[1]	
							Pattern 3, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_15A (01) (3)	[==>(Pattern 2)]		



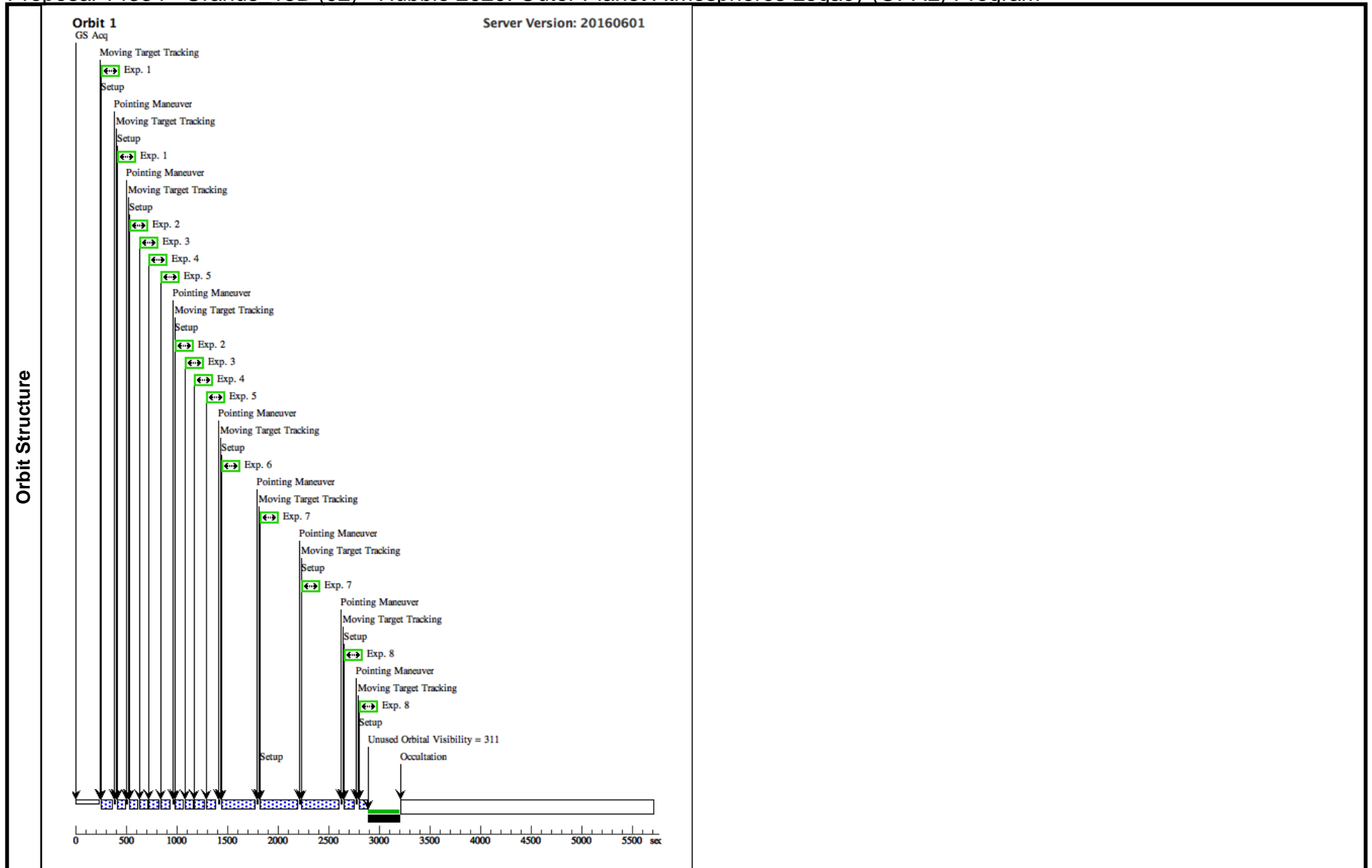
Proposal 14334 - Uranus 15B (02) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

Visit	<p>Proposal 14334, Uranus_15B (02), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 01 BY 2.9 Orbits TO 3.1 Orbits</p> <p><i>Comments: Opposition +/- 35 days preferred</i></p>						
	Diagnostics	<p>(F845M (02.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (02.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (02.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (02.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (02.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (02.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (02.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ727N_quadD (02.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (02.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(F845M (02.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>					
Patterns		#	Primary Pattern	Secondary Pattern	Exposures		
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1), (2-5), (7), (8)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 14334 - Uranus 15B (02) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Uranus_15B (02) Pattern 3, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_15B (02) (3)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15B (02) Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15B (02) (3)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_15B (02) Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15B (02) (3)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15B (02) Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15B (02) (3)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15B (02) Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15B (02) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_15B (02)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=5	POS TARG -15,+15	Sequence 1-8 Non-Int in Uranus_15B (02) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_15B (02) (3)	200 Secs (400 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15B (02) Pattern 3, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_15B (02) (3)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



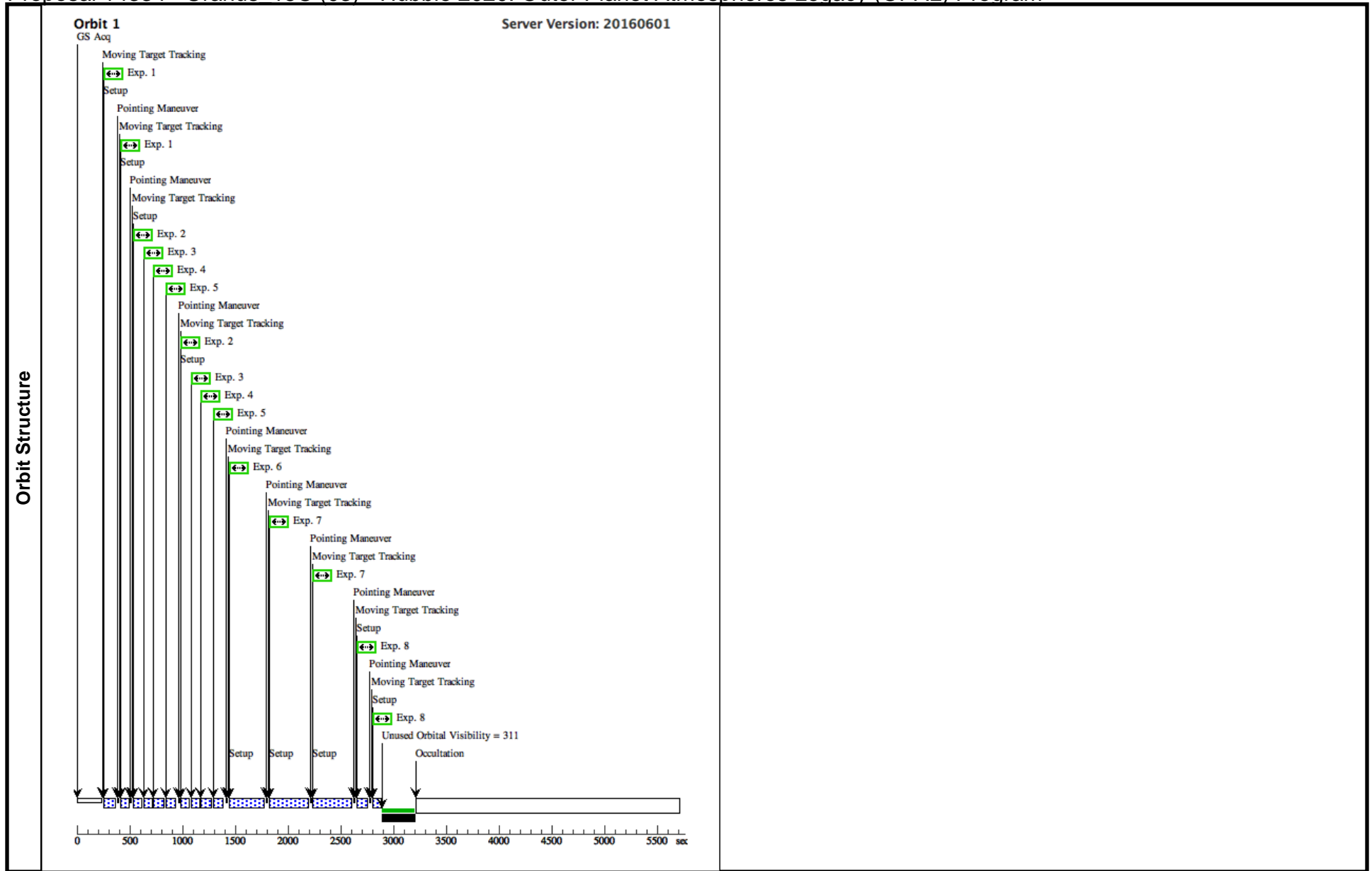
Proposal 14334 - Uranus 15C (03) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

Visit	<p>Proposal 14334, Uranus_15C (03), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 01 BY 5.9 Orbits TO 6.1 Orbits</p> <p><i>Comments: Opposition +/- 35 days preferred</i></p>						
	<p>(F845M (03.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (03.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (03.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (03.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (03.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (03.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ619N_quadA (03.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (03.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ727N_quadD (03.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F845M (03.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>						
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Patterns	#	Primary Pattern		Secondary Pattern		Exposures	
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Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 14334 - Uranus 15C (03) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Uranus_15C (03)	35 Secs (70 Secs) [==>(Pattern 1)]	[1]
								Pattern 3, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_15C (03) (3)	[==>(Pattern 2)]	
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15C (03)	14 Secs (28 Secs) [==>(Pattern 1)]	[1]
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15C (03) (3)	[==>(Pattern 2)]	
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_15C (03)	6 Secs (12 Secs) [==>(Pattern 1)]	[1]
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15C (03) (3)	[==>(Pattern 2)]	
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15C (03)	40 Secs (80 Secs) [==>(Pattern 1)]	[1]
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15C (03) (3)	[==>(Pattern 2)]	
5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15C (03)	30 Secs (60 Secs) [==>(Pattern 1)]	[1]	
							Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15C (03) (3)	[==>(Pattern 2)]		
6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_15C (03)	144 Secs (144 Secs) [==>]	[1]	
7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=5	POS TARG -15,+15	Sequence 1-8 Non-Int in Uranus_15C (03)	200 Secs (400 Secs) [==>(Pattern 1)]	[1]	
							Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_15C (03) (3)	[==>(Pattern 2)]		
8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15C (03)	35 Secs (70 Secs) [==>(Pattern 1)]	[1]	
							Pattern 3, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_15C (03) (3)	[==>(Pattern 2)]		



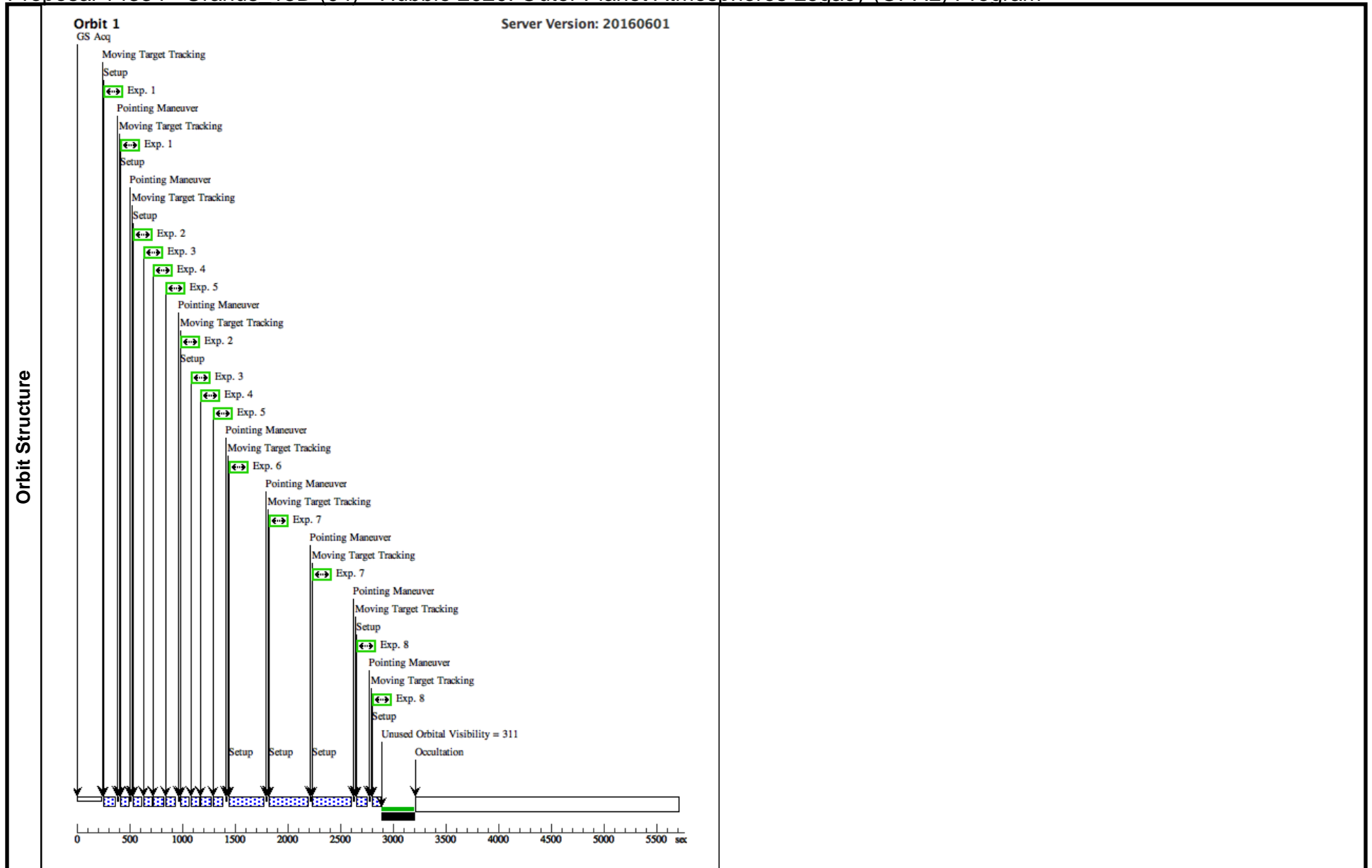
Proposal 14334 - Uranus 15D (04) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

Visit	<p>Proposal 14334, Uranus_15D (04), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 01 BY 8.9 Orbits TO 9.1 Orbits</p> <p><i>Comments: Opposition +/- 35 days preferred</i></p>					
	<p>(F845M (04.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (04.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (04.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (04.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (04.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (04.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (04.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ727N_quadD (04.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (04.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(F845M (04.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>					
Diagnosics						
Patterns	#	Primary Pattern		Secondary Pattern		Exposures
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1), (2-5), (7), (8)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window
	(3)	URANUS-MAPS	STD=URANUS			
						Ephem Center
						EARTH

Proposal 14334 - Uranus 15D (04) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Uranus_15D (04)	35 Secs (70 Secs)	
								Pattern 3, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_15D (04) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15D (04)	14 Secs (28 Secs)	
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15D (04) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_15D (04)	6 Secs (12 Secs)	
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15D (04) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15D (04)	40 Secs (80 Secs)	
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15D (04) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15D (04)	30 Secs (60 Secs)	
							Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15D (04) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_15D (04)	144 Secs (144 Secs)		
								[==>]	[1]	
7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=5	POS TARG -15,+15	Sequence 1-8 Non-Int in Uranus_15D (04)	200 Secs (400 Secs)		
							Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_15D (04) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15D (04)	35 Secs (70 Secs)		
							Pattern 3, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_15D (04) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	



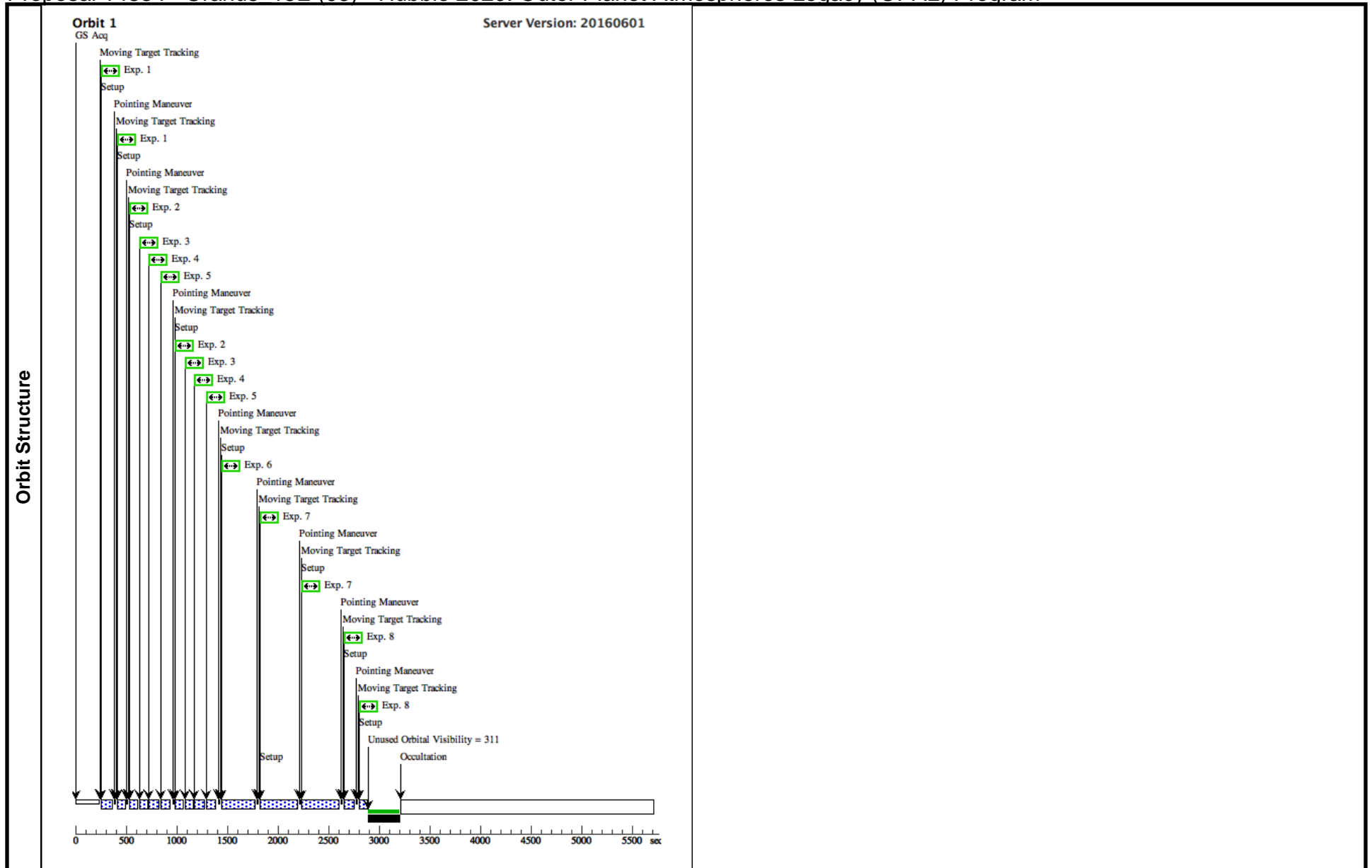
Proposal 14334 - Uranus 15E (05) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

Visit	<p>Proposal 14334, Uranus_15E (05), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 01 BY 11.9 Orbits TO 12.1 Orbits</p> <p><i>Comments: Opposition +/- 35 days preferred</i></p>						
	<p>(F845M (05.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (05.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (05.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (05.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (05.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (05.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (05.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ727N_quadD (05.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (05.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(F845M (05.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>						
Diagnosics							
Patterns	#	Primary Pattern		Secondary Pattern		Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1), (2-5), (7), (8)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 14334 - Uranus 15E (05) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARIO SINGLE	Sequence 1-8 Non-Int in Uranus_15E (05)	35 Secs (70 Secs)	
								Pattern 3, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_15E (05) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15E (05)	14 Secs (28 Secs)	
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15E (05) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_15E (05)	6 Secs (12 Secs)	
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15E (05) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15E (05)	40 Secs (80 Secs)	
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15E (05) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15E (05)	30 Secs (60 Secs)	
							Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15E (05) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_15E (05)	144 Secs (144 Secs)		
								[==>]	[1]	
7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=5	POS TARG -15,+15	Sequence 1-8 Non-Int in Uranus_15E (05)	200 Secs (400 Secs)		
							Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_15E (05) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15E (05)	35 Secs (70 Secs)		
							Pattern 3, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_15E (05) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	



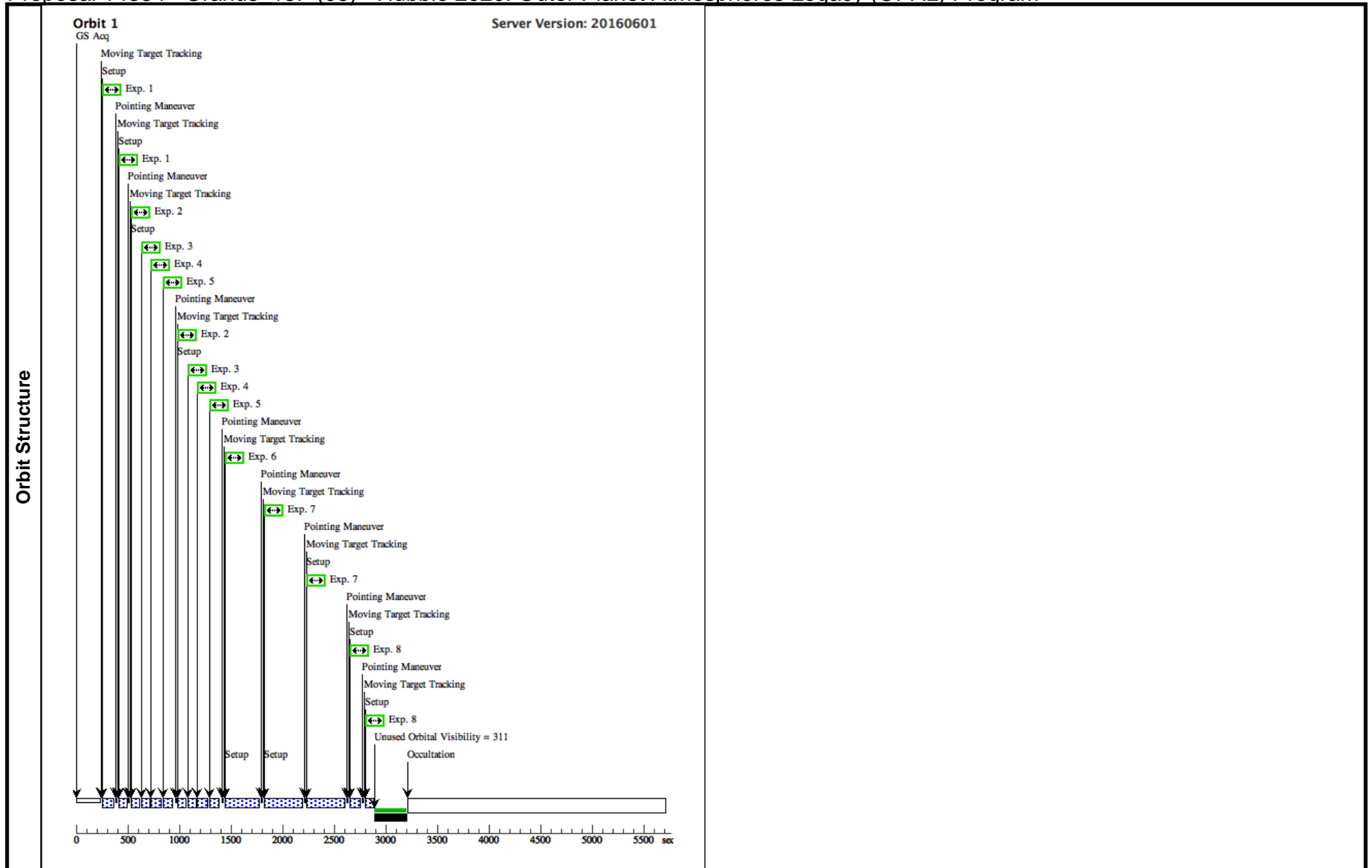
Proposal 14334 - Uranus 15F (06) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

Visit	<p>Proposal 14334, Uranus_15F (06), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 01 BY 13.9 Orbits TO 15.1 Orbits</p> <p><i>Comments: Opposition +/- 35 days preferred</i></p>						
	Diagnostics	<p>(F845M (06.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (06.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (06.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (06.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (06.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (06.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (06.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant.</p> <p>(FQ727N_quadD (06.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant.</p> <p>(FQ727N_quadD (06.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F845M (06.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>					
Patterns		#	Primary Pattern	Secondary Pattern	Exposures		
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1), (2-5), (7), (8)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 14334 - Uranus 15F (06) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Uranus_15F (06)	35 Secs (70 Secs) [==>(Pattern 1)]	[1]
								Pattern 3, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_15F (06) (3)	[==>(Pattern 2)]	
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15F (06)	14 Secs (28 Secs) [==>(Pattern 1)]	[1]
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15F (06) (3)	[==>(Pattern 2)]	
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_15F (06)	6 Secs (12 Secs) [==>(Pattern 1)]	[1]
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15F (06) (3)	[==>(Pattern 2)]	
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15F (06)	40 Secs (80 Secs) [==>(Pattern 1)]	[1]
								Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15F (06) (3)	[==>(Pattern 2)]	
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15F (06)	30 Secs (60 Secs) [==>(Pattern 1)]	[1]
							Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15F (06) (3)	[==>(Pattern 2)]		
6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_15F (06)	144 Secs (144 Secs) [==>]	[1]	
7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=5	POS TARG -15,+15	Sequence 1-8 Non-Int in Uranus_15F (06)	200 Secs (400 Secs) [==>(Pattern 1)]	[1]	
							Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_15F (06) (3)	[==>(Pattern 2)]		
8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15F (06)	35 Secs (70 Secs) [==>(Pattern 1)]	[1]	
							Pattern 3, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_15F (06) (3)	[==>(Pattern 2)]		



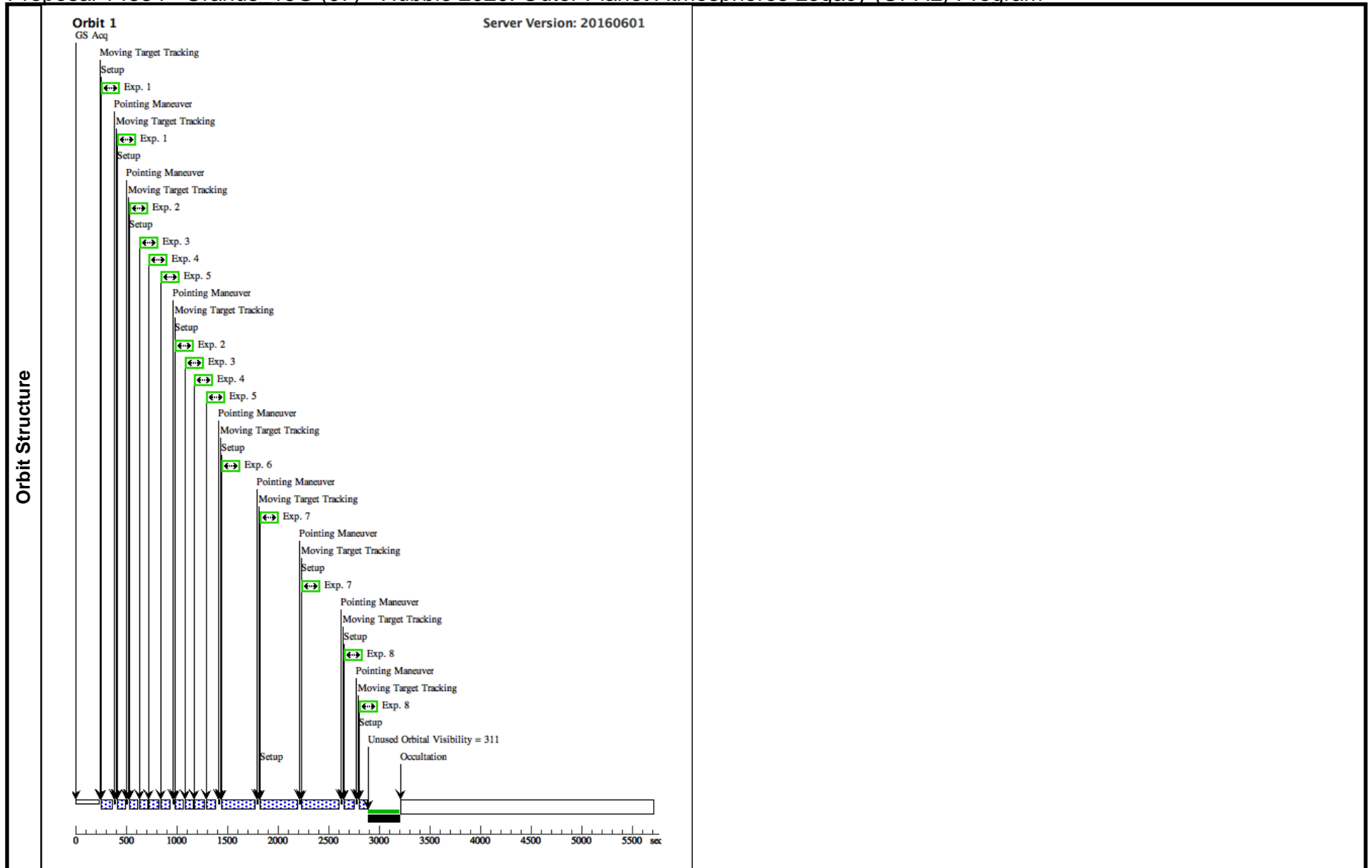
Proposal 14334 - Uranus 15G (07) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

Visit	<p>Proposal 14334, Uranus_15G (07), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 01 BY 16.9 Orbits TO 17.1 Orbits</p> <p><i>Comments: Opposition +/- 35 days preferred</i></p>						
	Diagnostics	<p>(F845M (07.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (07.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (07.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (07.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (07.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (07.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (07.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ727N_quadD (07.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (07.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(F845M (07.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>					
Patterns		#	Primary Pattern	Secondary Pattern	Exposures		
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1), (2-5), (7), (8)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 14334 - Uranus 15G (07) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Uranus_15G (07) Pattern 3, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_15G (07) (3)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15G (07) Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15G (07) (3)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_15G (07) Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15G (07) (3)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15G (07) Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15G (07) (3)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15G (07) Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15G (07) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_15G (07)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=5	POS TARG -15,+15	Sequence 1-8 Non-Int in Uranus_15G (07) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_15G (07) (3)	200 Secs (400 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15G (07) Pattern 3, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_15G (07) (3)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



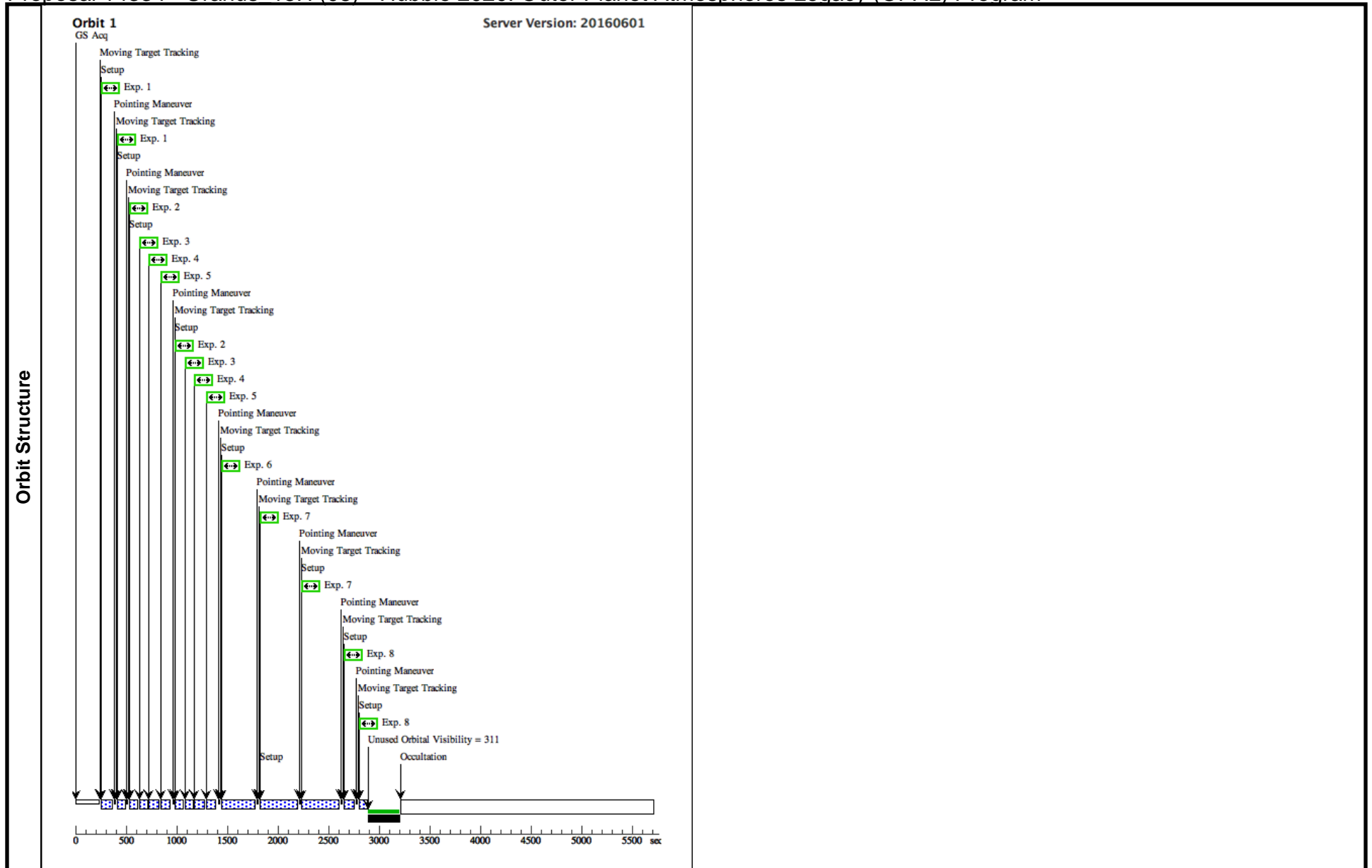
Proposal 14334 - Uranus 15H (08) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

Visit	Proposal 14334, Uranus_15H (08), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 01 BY 19.9 Orbits TO 20.1 Orbits <i>Comments: Opposition +/- 35 days preferred</i>						
	Diagnostics	(F845M (08.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (08.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (08.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (08.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (08.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (08.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (08.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (FQ727N_quadD (08.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (FQ727N_quadD (08.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F845M (08.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser					
Patterns		#	Primary Pattern	Secondary Pattern	Exposures		
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1), (2-5), (7), (8)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 14334 - Uranus 15H (08) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

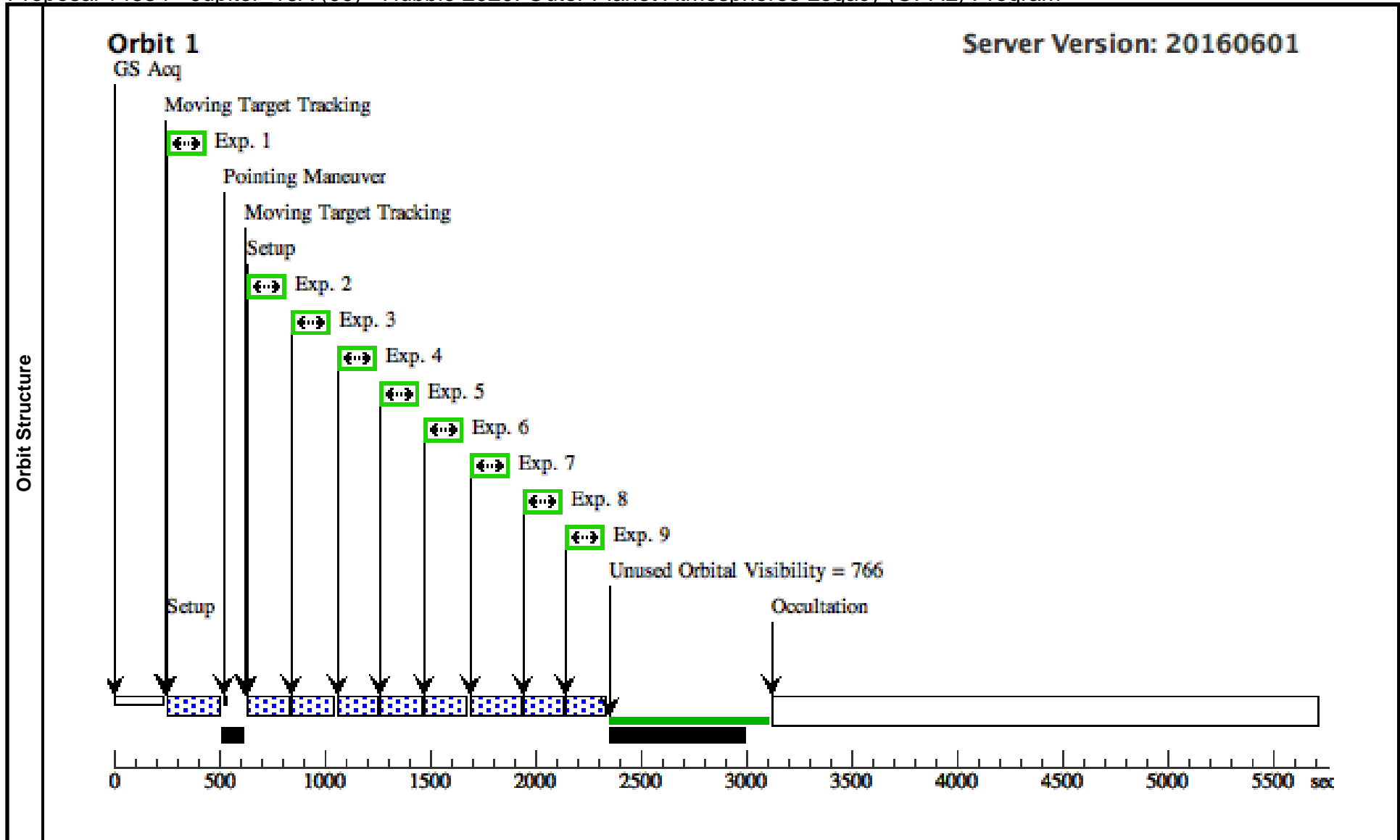
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Uranus_15H (08) Pattern 3, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_15H (08) (3)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15H (08) Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15H (08) (3)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_15H (08) Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15H (08) (3)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15H (08) Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15H (08) (3)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15H (08) Pattern 3, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_15H (08) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_15H (08)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=5	POS TARG -15,+15	Sequence 1-8 Non-Int in Uranus_15H (08) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_15H (08) (3)	200 Secs (400 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_15H (08) Pattern 3, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_15H (08) (3)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 14334 - Jupiter 16A (09) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

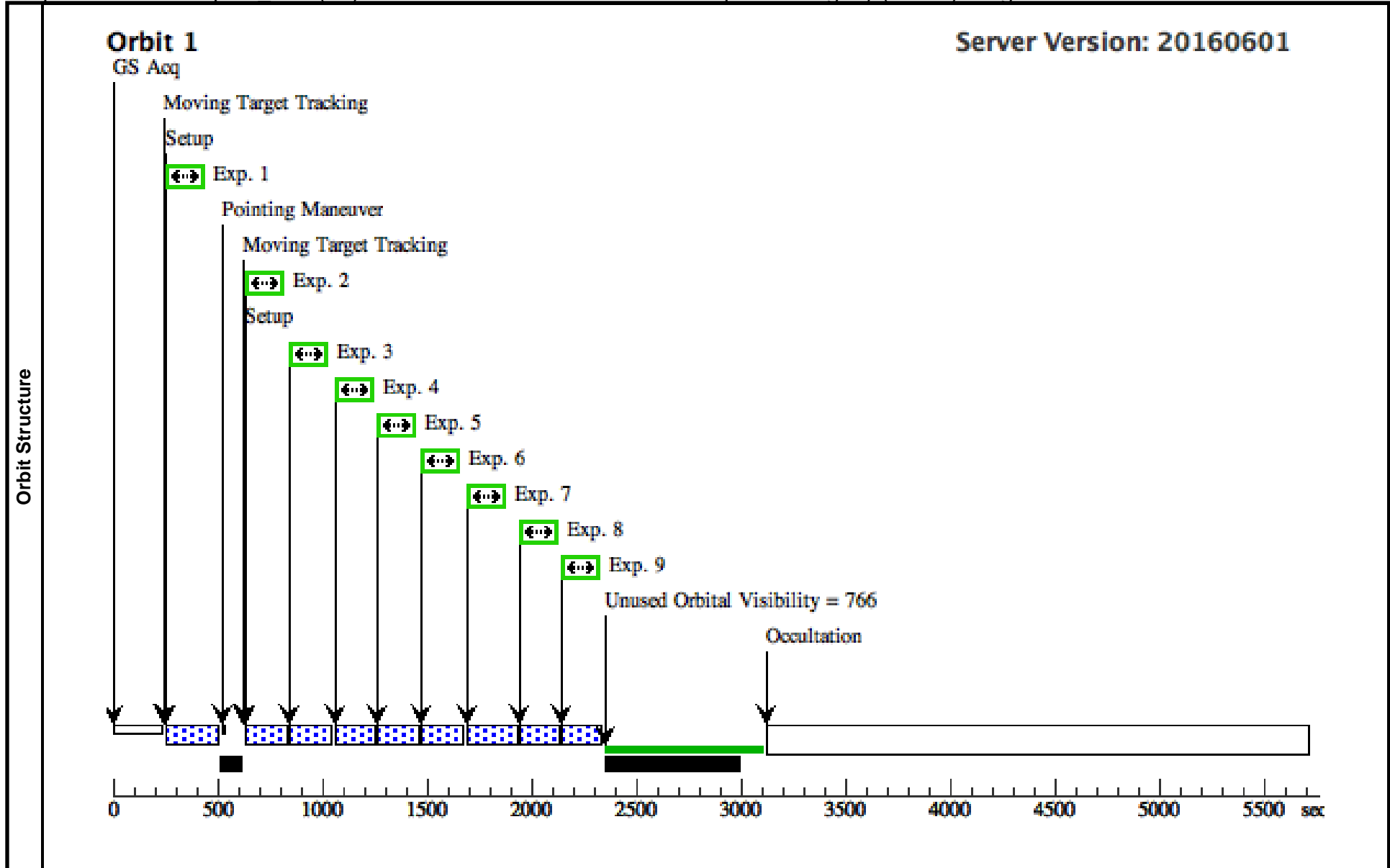
Visit	<p>Proposal 14334, Jupiter_16A (09), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 06-FEB-2016:00:00:00 AND 08-APR-2016:00:00:00; GROUP 09,10,11,12,13,14,15,16,17,18,19,20,21 WITHIN 1D; VISIBILITY INTERVAL 52 M</p> <p><i>Comments: Jupiter Opposition (2016-MAR-08) +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK, preferably between visits F/G or G/H. Or, a gap of 2 orbits between F/G or G/H is acceptable.</i></p> <p><i>If the end of orbits impinge into the SAA, we can use a 1K-subarray (instead of 2K-subarray) for one exposure in each affected orbit. This shifts the last exposure so that the buffer dump takes place afterwards.</i></p>									
	<p>(FQ889_quadA (09.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F631N (09.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F502N (09.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F395N (09.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (09.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F658N (09.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (09.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (09.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F631N (09.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>									
Diagnostics										
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16A (09)	53 Secs (53 Secs) [==>]	[1]
	2	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A	GS ACQ SCENARIO SINGLE	Sequence 1-9 Non-Int in Jupiter_16A (09)	4 Secs (4 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16A (09)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16A (09)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16A (09)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16A (09)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16A (09)	40 Secs (40 Secs) [==>]	[1]
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16A (09)	.5 Secs (0.5 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16A (09)	4 Secs (4 Secs) [==>]	[1]



Proposal 14334 - Jupiter 16B (10) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

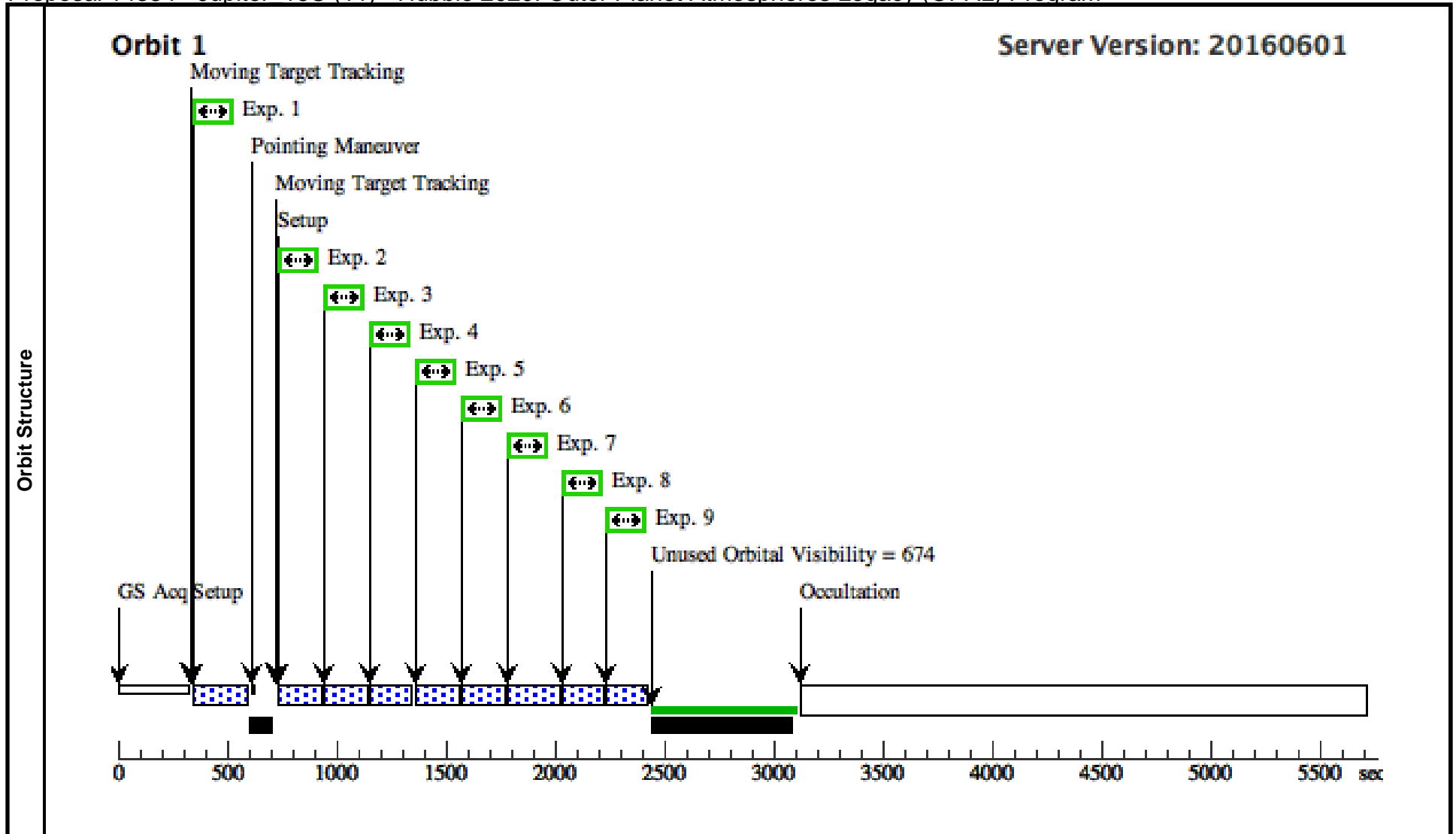
Visit	Proposal 14334, Jupiter_16B (10), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 52 M <i>Comments: Jupiter Opposition +/- 30 days preferred</i>									
	Diagnosics (FQ889_quadA (10.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (10.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (10.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (10.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (10.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (10.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (10.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (10.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (10.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16B (10)	53 Secs (53 Secs) [==>]	[1]
	2	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A	GS ACQ SCENARIO SINGLE	Sequence 1-9 Non-Int in Jupiter_16B (10)	4 Secs (4 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16B (10)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16B (10)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16B (10)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16B (10)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16B (10)	40 Secs (40 Secs) [==>]	[1]
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16B (10)	.5 Secs (0.5 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16B (10)	4 Secs (4 Secs) [==>]	[1]



Proposal 14334 - Jupiter 16C (11) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

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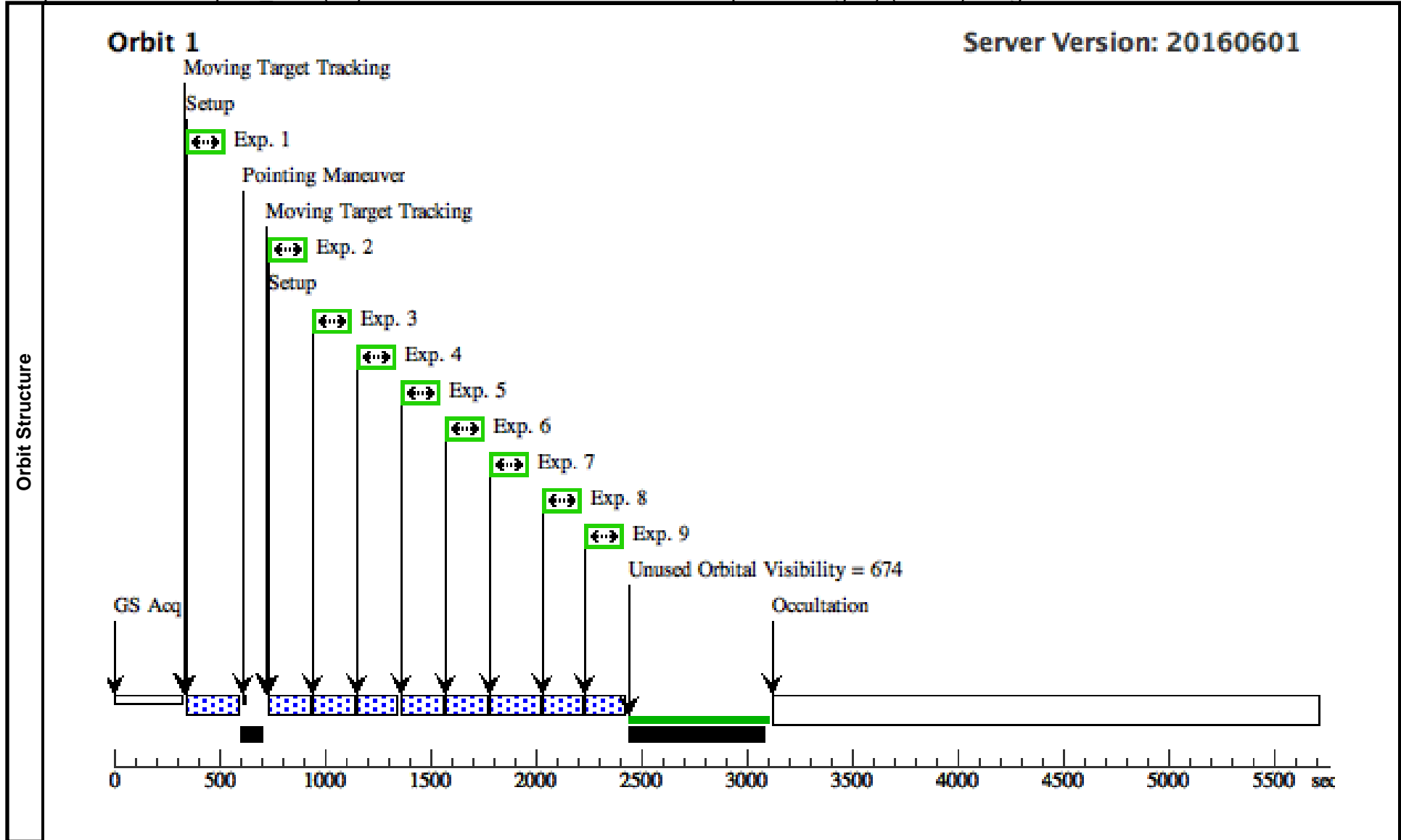
Visit	Proposal 14334, Jupiter_16C (11), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 52 M <i>Comments: Jupiter Opposition +/- 30 days preferred</i>										
	Diagnostics	(FQ889_quadA (11.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (11.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (11.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (11.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (11.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (11.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (11.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (11.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (11.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
		(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH			
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16C (11)	53 Secs (53 Secs) [==>]	[1]
		2	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A	GS ACQ SCENARIO BASE1B3	Sequence 1-9 Non-Int in Jupiter_16C (11)	4 Secs (4 Secs) [==>]	[1]
		3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16C (11)	3 Secs (3 Secs) [==>]	[1]
		4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16C (11)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16C (11)	1.2 Secs (1.2 Secs) [==>]	[1]	
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16C (11)	8 Secs (8 Secs) [==>]	[1]	
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16C (11)	40 Secs (40 Secs) [==>]	[1]	
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16C (11)	.5 Secs (0.5 Secs) [==>]	[1]	
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16C (11)	4 Secs (4 Secs) [==>]	[1]	



Proposal 14334 - Jupiter 16D (12) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

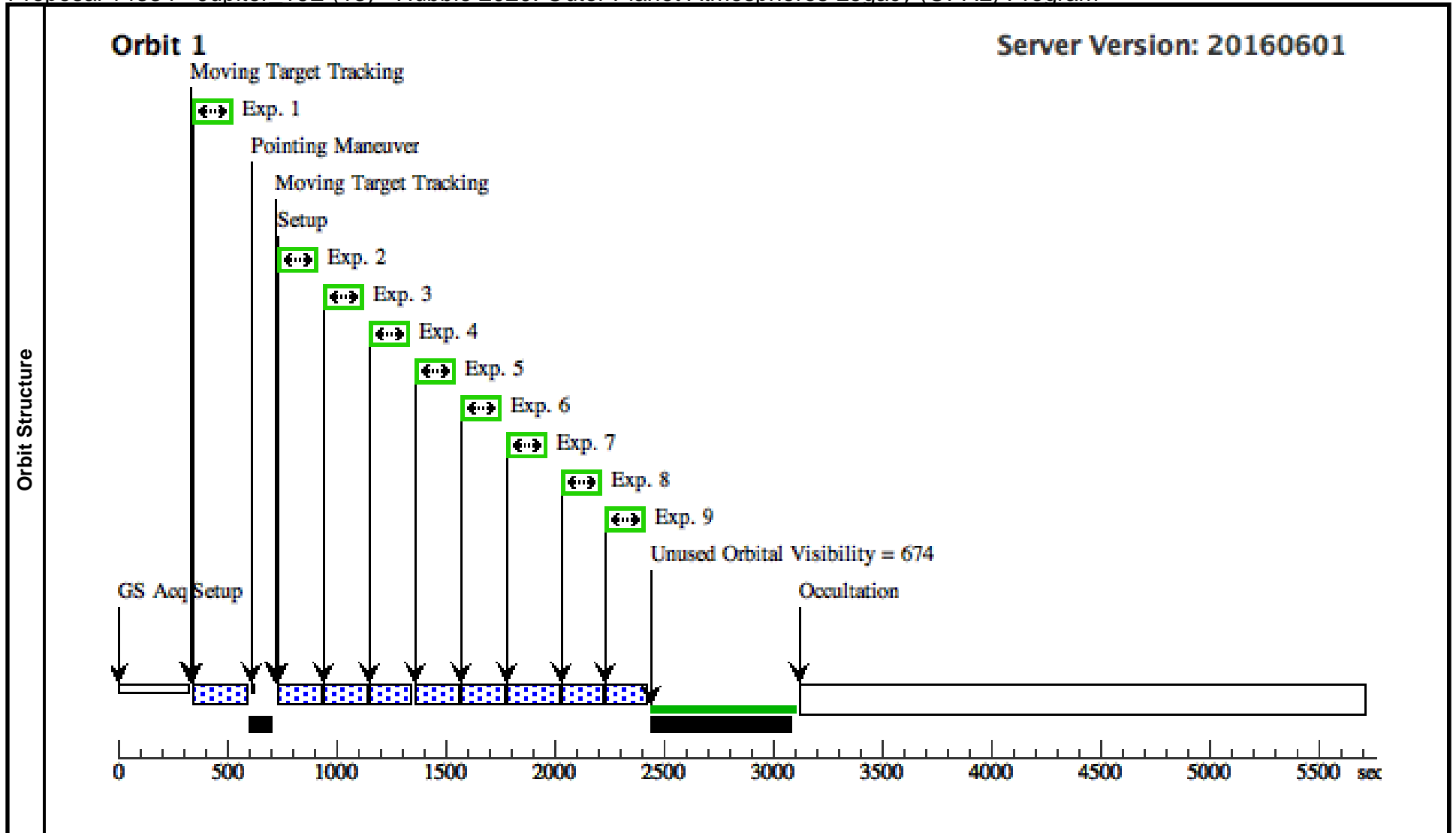
Visit	Proposal 14334, Jupiter_16D (12), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 52 M <i>Comments: Jupiter Opposition +/- 30 days preferred</i>									
	Diagnostics	(FQ889_quadA (12.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (12.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (12.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (12.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (12.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (12.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (12.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (12.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (12.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser								
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16D (12)	53 Secs (53 Secs) [==>]	[1]
	2	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A	GS ACQ SCENARIO BASE1B3	Sequence 1-9 Non-Int in Jupiter_16D (12)	4 Secs (4 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16D (12)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16D (12)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16D (12)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16D (12)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16D (12)	40 Secs (40 Secs) [==>]	[1]
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16D (12)	.5 Secs (0.5 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16D (12)	4 Secs (4 Secs) [==>]	[1]



Proposal 14334 - Jupiter 16E (13) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

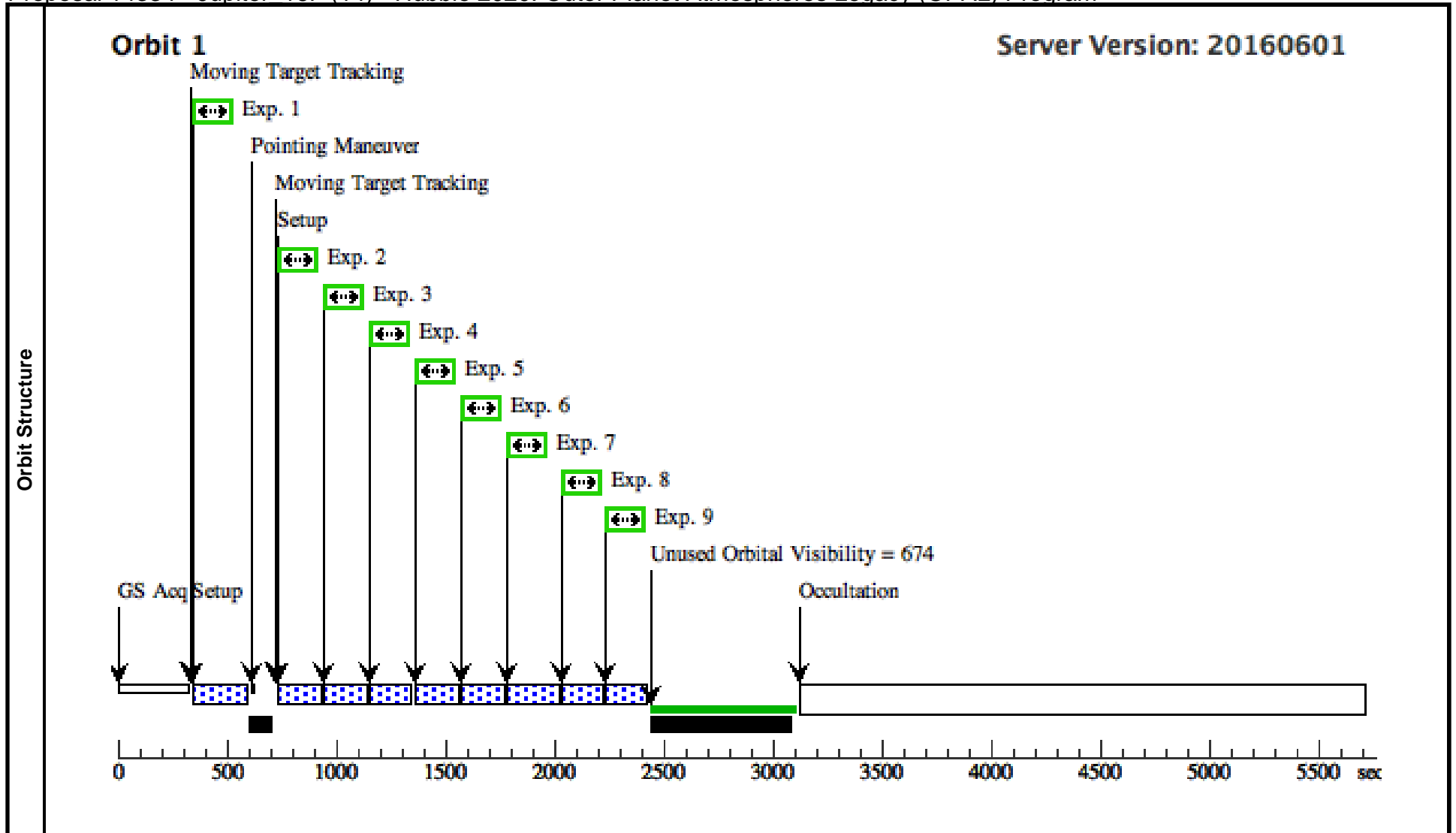
Visit	Proposal 14334, Jupiter_16E (13), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 52 M <i>Comments: Jupiter Opposition +/- 30 days preferred</i>									
	Diagnosics (FQ889_quadA (13.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (13.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (13.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (13.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (13.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (13.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (13.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (13.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (13.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16E (13)	53 Secs (53 Secs) [==>]	[1]
	2	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16E (13)	4 Secs (4 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16E (13)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16E (13)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16E (13)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16E (13)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16E (13)	40 Secs (40 Secs) [==>]	[1]
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16E (13)	.5 Secs (0.5 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16E (13)	4 Secs (4 Secs) [==>]	[1]



Proposal 14334 - Jupiter 16F (14) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

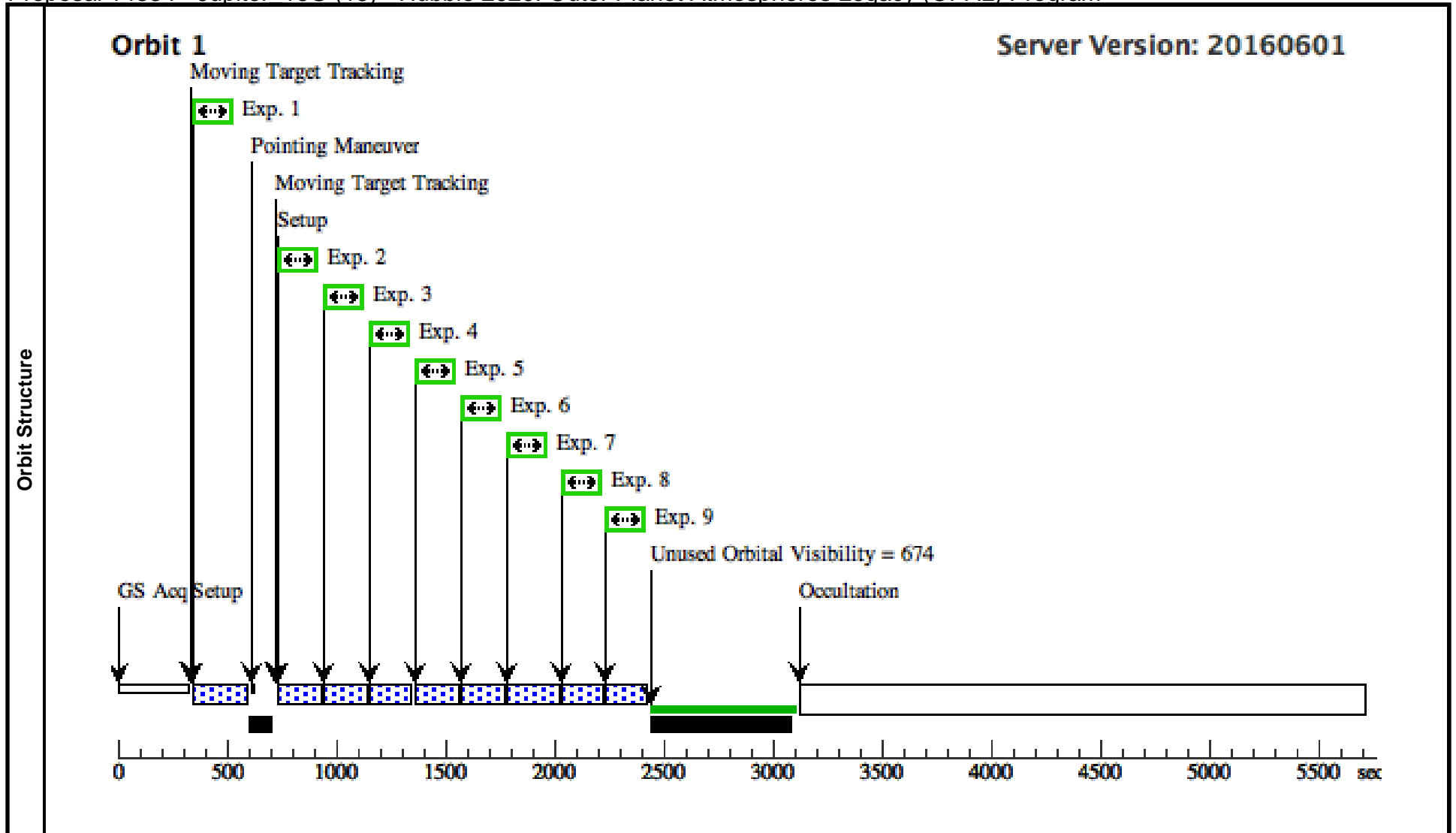
Visit	Proposal 14334, Jupiter_16F (14), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 52 M <i>Comments: Jupiter Opposition +/- 30 days preferred</i>										
	Diagnostics	(FQ889_quadA (14.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (14.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (14.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (14.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (14.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (14.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (14.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (14.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (14.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
		(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH			
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16F (14)	53 Secs (53 Secs) [==>]	[1]
		2	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16F (14)	4 Secs (4 Secs) [==>]	[1]
		3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16F (14)	3 Secs (3 Secs) [==>]	[1]
		4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16F (14)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16F (14)	1.2 Secs (1.2 Secs) [==>]	[1]	
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16F (14)	8 Secs (8 Secs) [==>]	[1]	
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16F (14)	40 Secs (40 Secs) [==>]	[1]	
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16F (14)	.5 Secs (0.5 Secs) [==>]	[1]	
9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16F (14)	4 Secs (4 Secs) [==>]	[1]		



Proposal 14334 - Jupiter 16G (15) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

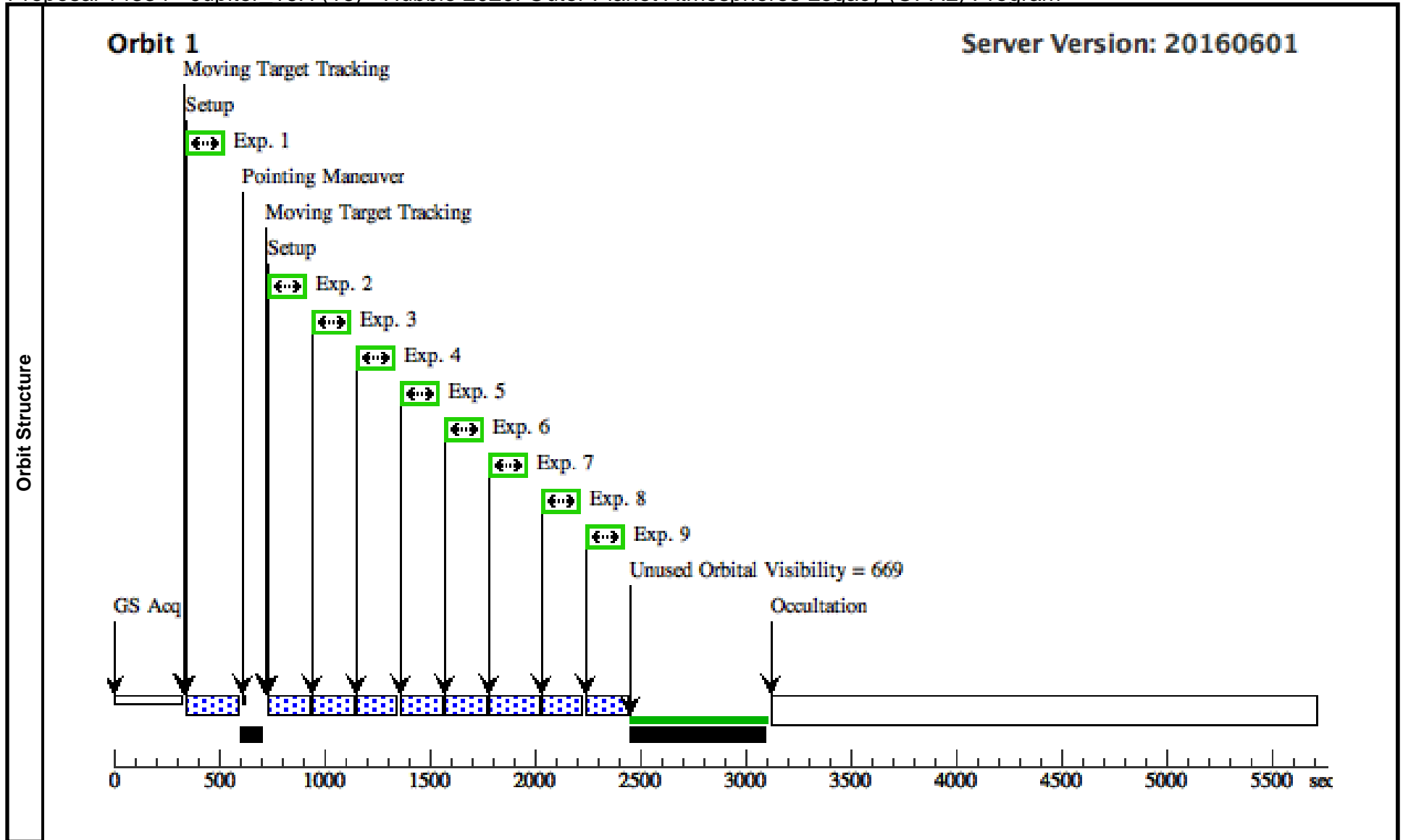
Visit	Proposal 14334, Jupiter_16G (15), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 52 M <i>Comments: Jupiter Opposition +/- 30 days preferred</i>									
	Diagnostics	(FQ889_quadA (15.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (15.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (15.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (15.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (15.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (15.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (15.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (15.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (15.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser								
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16G (15)	53 Secs (53 Secs) [==>]	[1]
	2	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16G (15)	4 Secs (4 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16G (15)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16G (15)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16G (15)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16G (15)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16G (15)	40 Secs (40 Secs) [==>]	[1]
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16G (15)	.5 Secs (0.5 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16G (15)	4 Secs (4 Secs) [==>]	[1]



Proposal 14334 - Jupiter 16H (16) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

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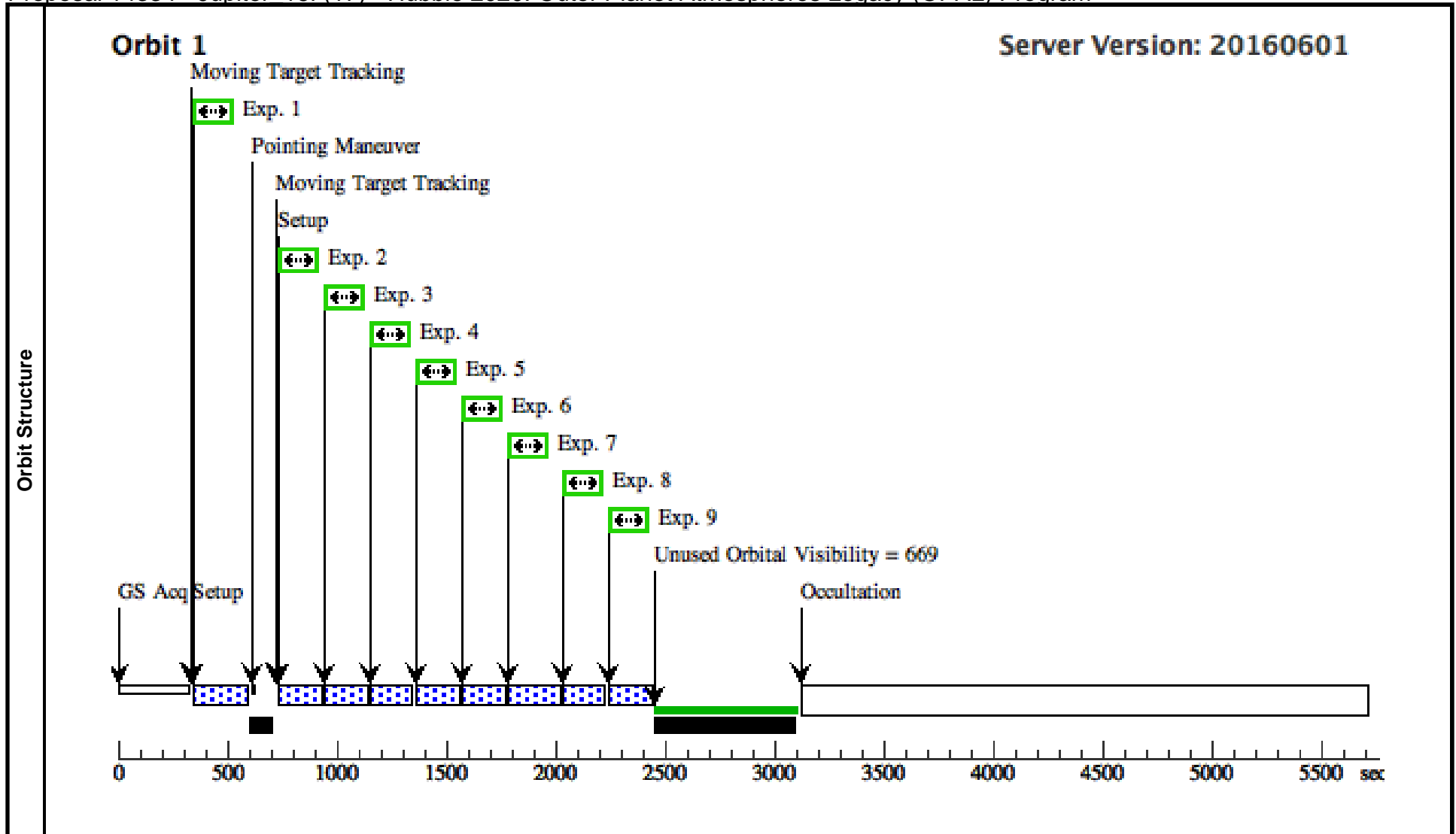
Visit	Proposal 14334, Jupiter_16H (16), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 52 M <i>Comments: Jupiter Opposition +/- 30 days preferred</i>										
	Diagnostics	(FQ889_quadA (16.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (16.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (16.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (16.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (16.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (16.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (16.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (16.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (16.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
		(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH			
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16H (16)	53 Secs (53 Secs) [==>]	[1]
		2	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16H (16)	4 Secs (4 Secs) [==>]	[1]
		3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16H (16)	3 Secs (3 Secs) [==>]	[1]
		4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16H (16)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16H (16)	1.2 Secs (1.2 Secs) [==>]	[1]	
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16H (16)	8 Secs (8 Secs) [==>]	[1]	
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16H (16)	40 Secs (40 Secs) [==>]	[1]	
	8	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16H (16)	6 Secs (6 Secs) [==>]	[1]	
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16H (16)	4 Secs (4 Secs) [==>]	[1]	



Proposal 14334 - Jupiter 16I (17) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

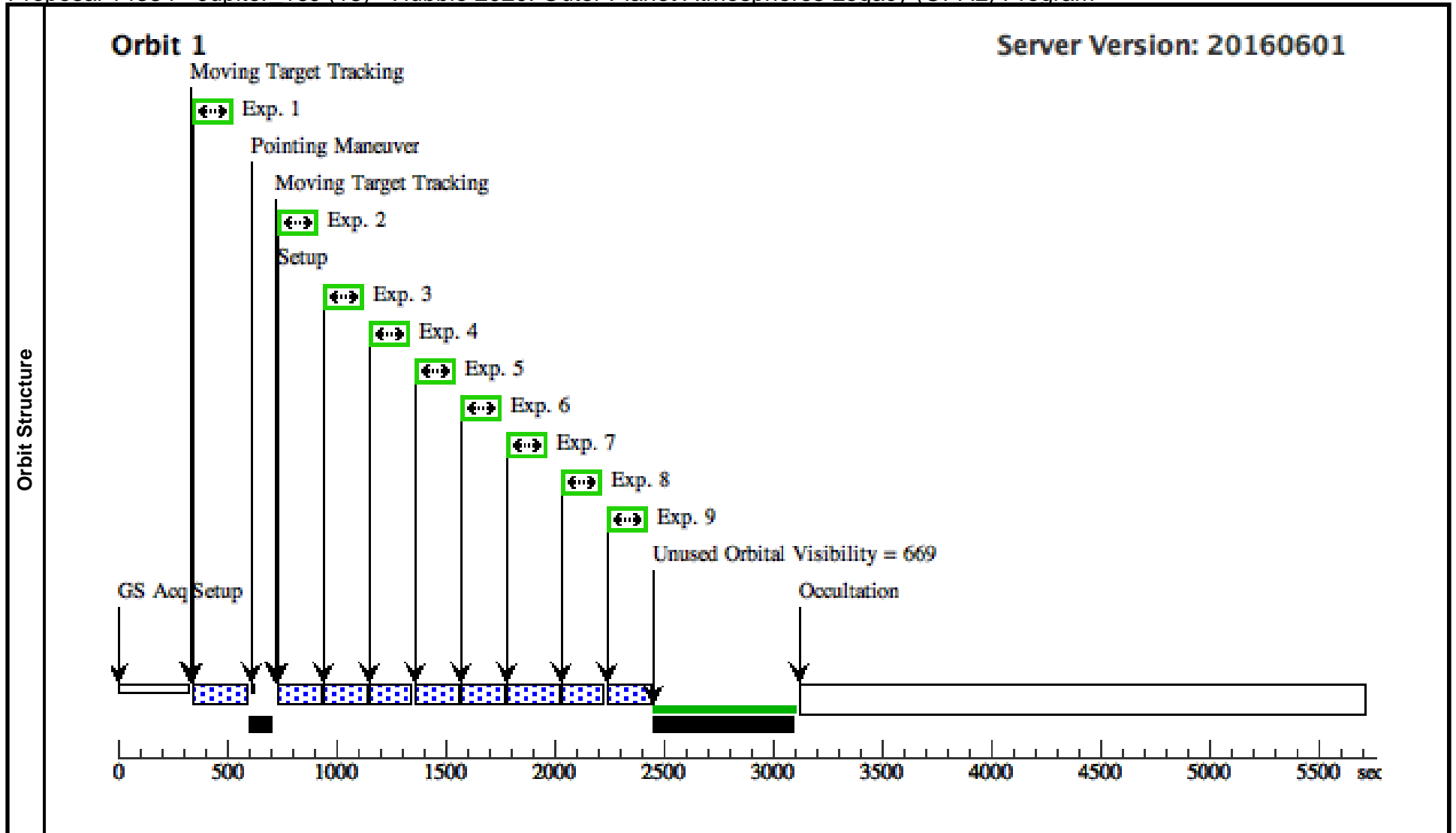
Visit	Proposal 14334, Jupiter_16I (17), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 52 M <i>Comments: Jupiter Opposition +/- 30 days preferred</i>										
	Diagnostics	(FQ889_quadA (17.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (17.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (17.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (17.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (17.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (17.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (17.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (17.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (17.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
		(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH			
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16I (17)	53 Secs (53 Secs) [==>]	[1]
		2	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16I (17)	4 Secs (4 Secs) [==>]	[1]
		3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16I (17)	3 Secs (3 Secs) [==>]	[1]
		4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16I (17)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16I (17)	1.2 Secs (1.2 Secs) [==>]	[1]	
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16I (17)	8 Secs (8 Secs) [==>]	[1]	
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16I (17)	40 Secs (40 Secs) [==>]	[1]	
	8	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16I (17)	6 Secs (6 Secs) [==>]	[1]	
9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16I (17)	4 Secs (4 Secs) [==>]	[1]		



Proposal 14334 - Jupiter 16J (18) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

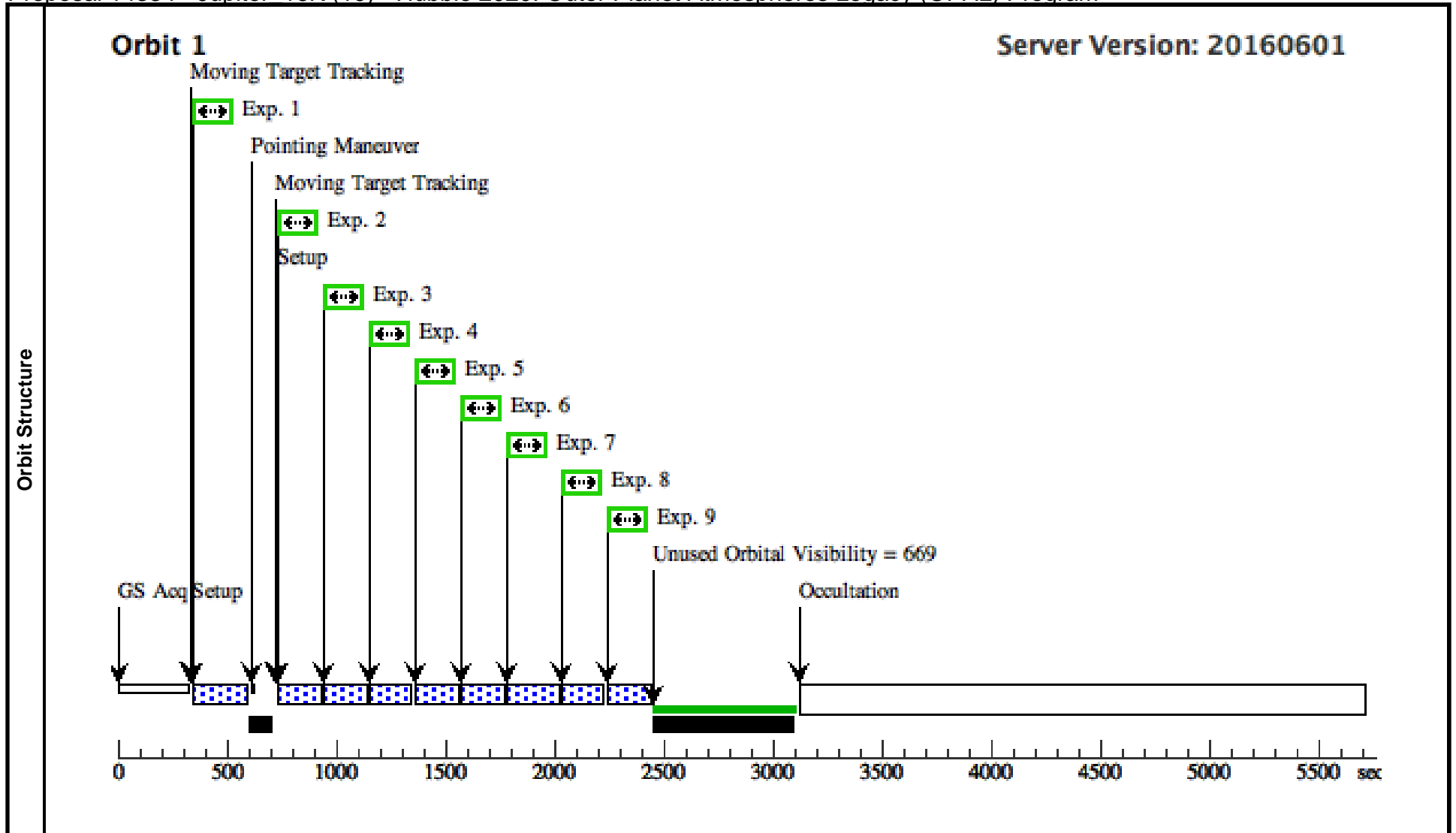
Visit	Proposal 14334, Jupiter_16J (18), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 52 M <i>Comments: Jupiter Opposition +/- 30 days preferred</i>									
	Diagnostics	(FQ889_quadA (18.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (18.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (18.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (18.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (18.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (18.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (18.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (18.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (18.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser								
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16J (18)	53 Secs (53 Secs) [==>]	[1]
	2	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16J (18)	4 Secs (4 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16J (18)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16J (18)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16J (18)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16J (18)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16J (18)	40 Secs (40 Secs) [==>]	[1]
	8	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16J (18)	6 Secs (6 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16J (18)	4 Secs (4 Secs) [==>]	[1]



Proposal 14334 - Jupiter 16K (19) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:15 GMT 2016

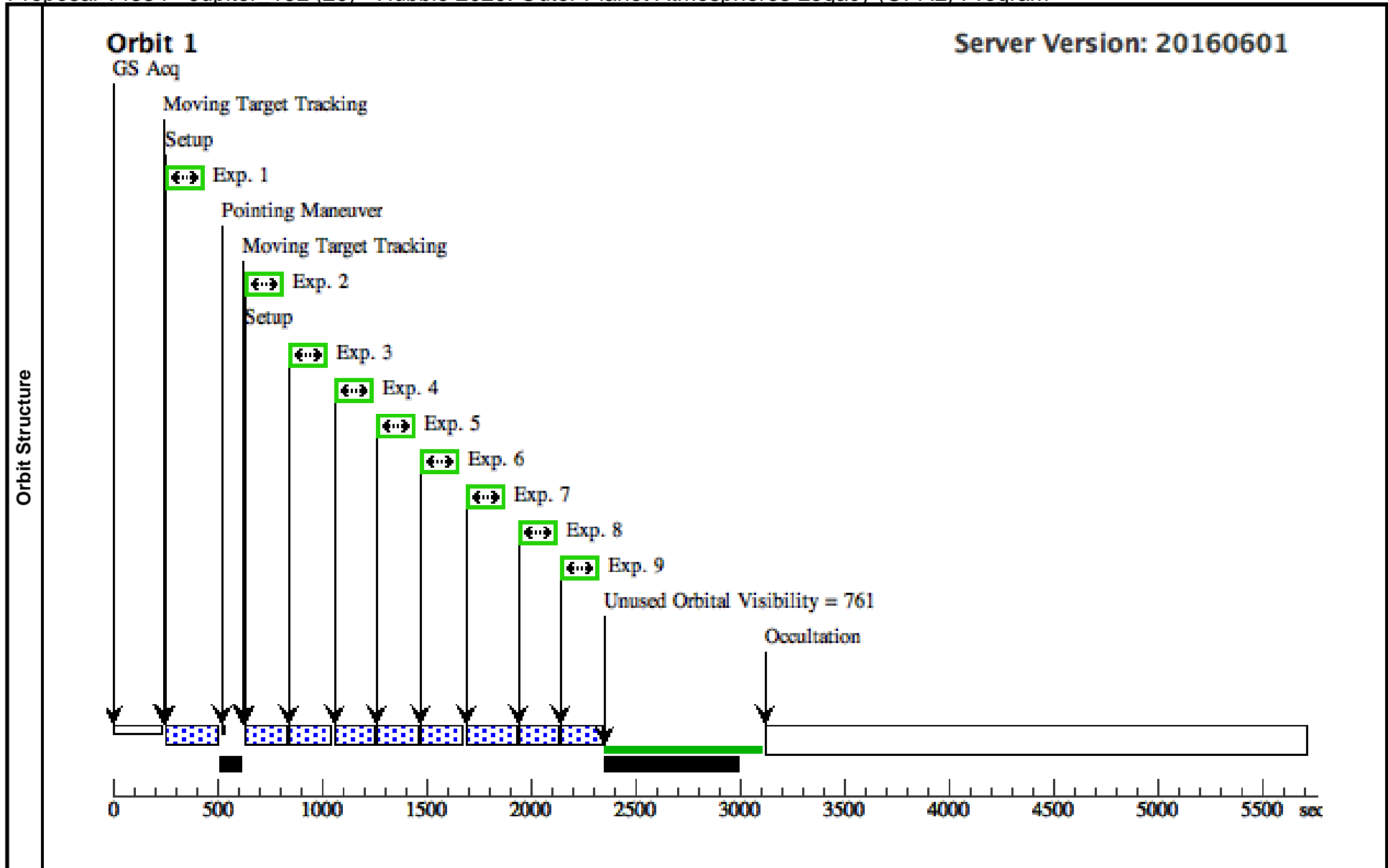
Visit	Proposal 14334, Jupiter_16K (19), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 52 M <i>Comments: Jupiter Opposition +/- 30 days preferred</i>									
	Diagnosics (FQ889_quadA (19.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (19.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (19.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (19.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (19.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (19.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (19.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (19.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (19.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16K (19)	53 Secs (53 Secs) [==>]	[1]
	2	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16K (19)	4 Secs (4 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16K (19)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16K (19)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16K (19)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16K (19)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16K (19)	40 Secs (40 Secs) [==>]	[1]
	8	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16K (19)	6 Secs (6 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16K (19)	4 Secs (4 Secs) [==>]	[1]



Proposal 14334 - Jupiter 16L (20) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:16 GMT 2016

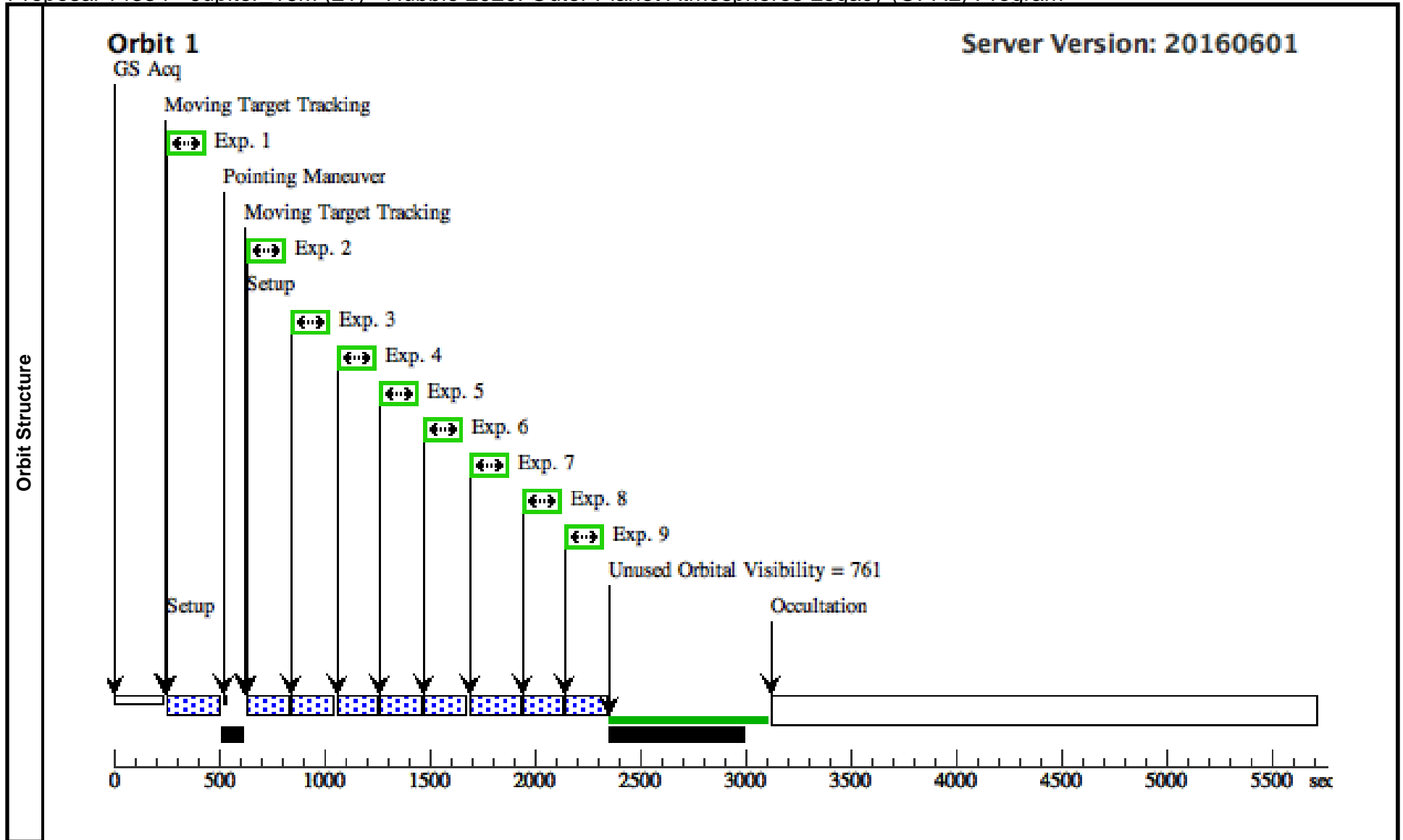
Visit	Proposal 14334, Jupiter_16L (20), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 52 M <i>Comments: Jupiter Opposition +/- 30 days preferred</i>										
	Diagnostics	(FQ889_quadA (20.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (20.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (20.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (20.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (20.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (20.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (20.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (20.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (20.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
		(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH			
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16L (20)	53 Secs (53 Secs) [==>]	[1]
		2	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A	GS ACQ SCENARIO SINGLE	Sequence 1-9 Non-Int in Jupiter_16L (20)	4 Secs (4 Secs) [==>]	[1]
		3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16L (20)	3 Secs (3 Secs) [==>]	[1]
		4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16L (20)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16L (20)	1.2 Secs (1.2 Secs) [==>]	[1]	
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16L (20)	8 Secs (8 Secs) [==>]	[1]	
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16L (20)	40 Secs (40 Secs) [==>]	[1]	
	8	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16L (20)	6 Secs (6 Secs) [==>]	[1]	
9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16L (20)	4 Secs (4 Secs) [==>]	[1]		



Proposal 14334 - Jupiter 16M (21) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:16 GMT 2016

Visit	<p>Proposal 14334, Jupiter_16M (21), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: VISIBILITY INTERVAL 52 M</p> <p><i>Comments: Jupiter Opposition +/- 30 days preferred</i></p>										
	Diagnostics	<p>(FQ889_quadA (21.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F631N (21.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F502N (21.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F395N (21.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (21.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F658N (21.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (21.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F343N (21.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F631N (21.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>									
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
		(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH			
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	GS ACQ SCENARIO SINGLE	Sequence 1-9 Non-Int in Jupiter_16M (21)	53 Secs (53 Secs) [==>]	[1]
		2	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16M (21)	4 Secs (4 Secs) [==>]	[1]
		3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16M (21)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16M (21)	10 Secs (10 Secs) [==>]	[1]	
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16M (21)	1.2 Secs (1.2 Secs) [==>]	[1]	
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16M (21)	8 Secs (8 Secs) [==>]	[1]	
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_16M (21)	40 Secs (40 Secs) [==>]	[1]	
	8	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16M (21)	6 Secs (6 Secs) [==>]	[1]	
9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_16M (21)	4 Secs (4 Secs) [==>]	[1]		



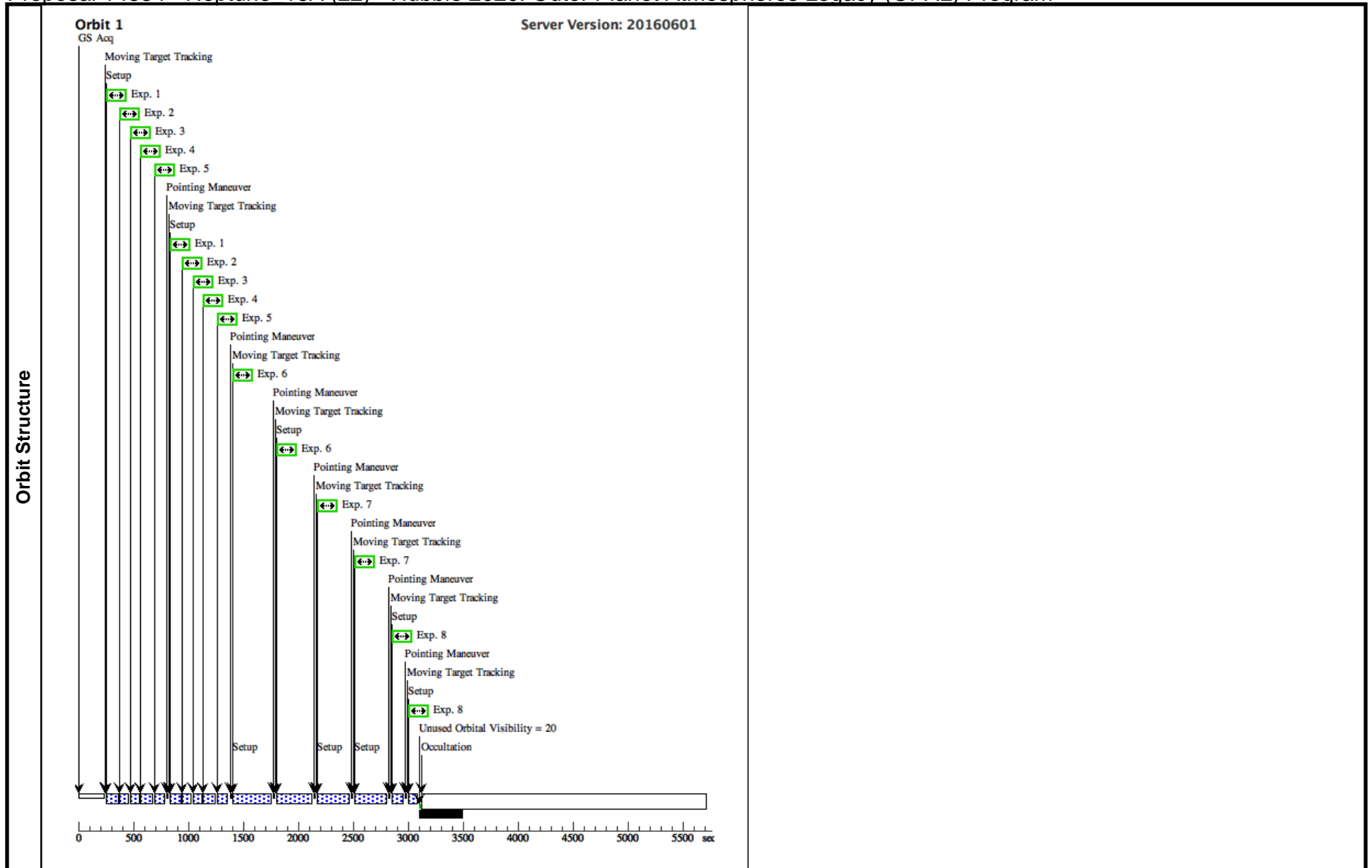
Proposal 14334 - Neptune 16A (22) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:16 GMT 2016

Visit	Proposal 14334, Neptune_16A (22), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 29-JUL-2016:00:00:00 AND 07-OCT-2016:00:00:00; VISIBILITY INTERVAL 52 M <i>Comments: Neptune Opposition (2016-SEP-02) +/- 35 days preferred. 8 orbits, with 2-orbit gaps between all visits (but prefer a 1-orbit gap between visits D/E, E/F, or F/G). Some shifting is OK, but absolutely need to keep all orbits such that visit H follows visit A with a gap of 19-21 orbits. Impingement into SAA is OK if the above timing gaps cannot prevent it.</i>																
	Diagnosics (F845M (22.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (22.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (22.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (22.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (22.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (22.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (FQ619N_quadA (22.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (22.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F845M (22.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																
Patterns	<table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td> Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing= </td> <td> Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td>(1-5), (6), (7), (8)</td> </tr> </tbody> </table>	#	Primary Pattern	Secondary Pattern	Exposures	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-5), (6), (7), (8)								
	#	Primary Pattern	Secondary Pattern	Exposures													
(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-5), (6), (7), (8)														
<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Level 1</th> <th>Level 2</th> <th>Level 3</th> <th>Window</th> <th>Ephem Center</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>NEPTUNE-MAPS</td> <td>STD=NEPTUNE</td> <td></td> <td></td> <td></td> <td>EARTH</td> </tr> </tbody> </table>				#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center											
(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH											
Solar System Targets																	

Proposal 14334 - Neptune 16A (22) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_16A (2 2) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16A (22) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16A (2 2) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16A (22) (3)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_16A (2 2) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16A (22) (3)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16A (2 2) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16A (22) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16A (2 2) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16A (22) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=12	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_16A (2 2) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_16A (22) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO; FLASH=5	POS TARG 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_16A (2 2) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_16A (22) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16A (2 2) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_16A (22) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



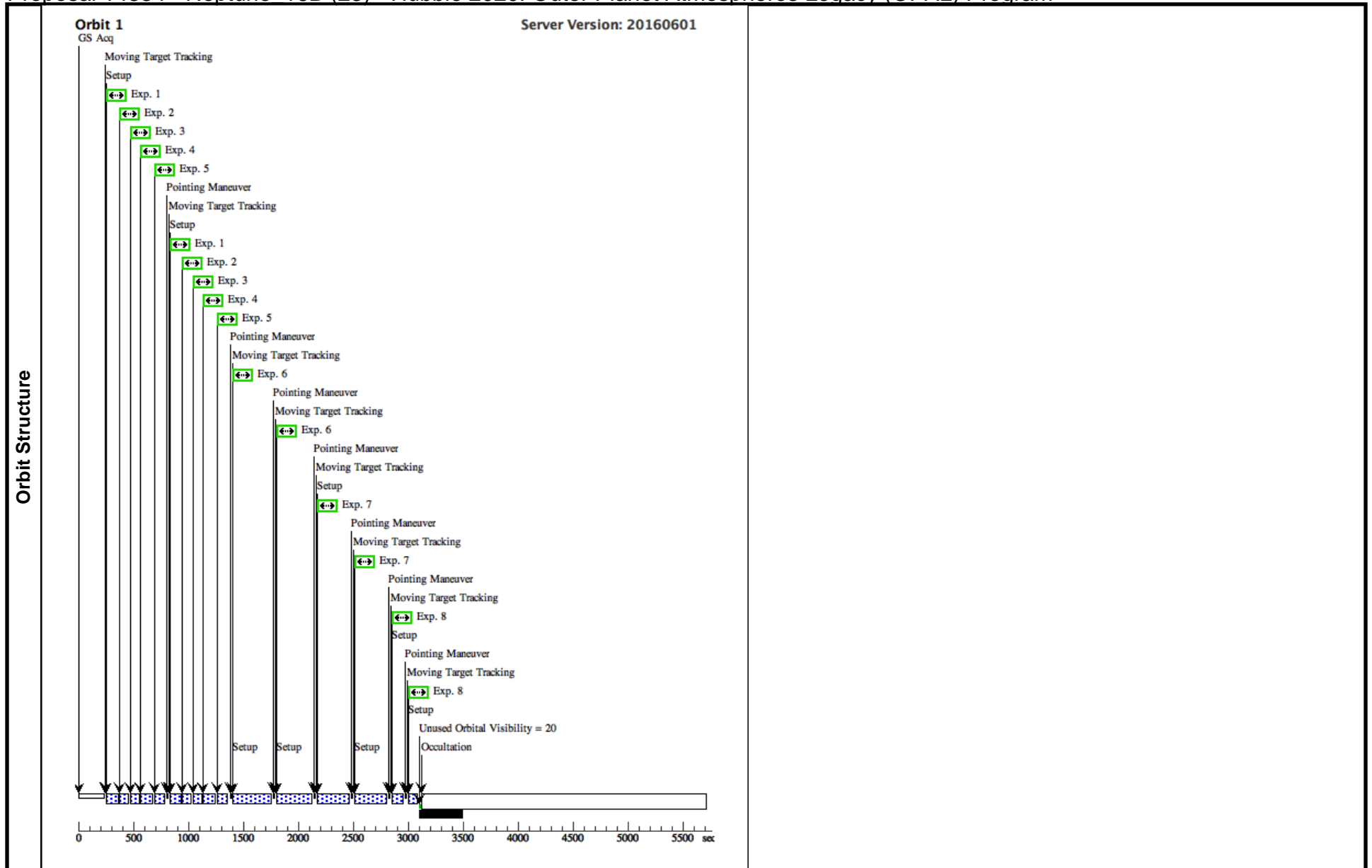
Proposal 14334 - Neptune 16B (23) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:16 GMT 2016

Visit	Proposal 14334, Neptune_16B (23), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 22 BY 4.5 H TO 5 H; VISIBILITY INTERVAL 52 M <i>Comments: Neptune Opposition +/- 35 days preferred</i>																
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Proposal 14334 - Neptune 16B (23) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_16B (2 3) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16B (23) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16B (2 3) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16B (23) (3)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_16B (2 3) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16B (23) (3)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16B (2 3) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16B (23) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16B (2 3) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16B (23) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=12	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_16B (2 3) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_16B (23) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO; FLASH=5	POS TARG 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_16B (2 3) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_16B (23) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16B (2 3) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_16B (23) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



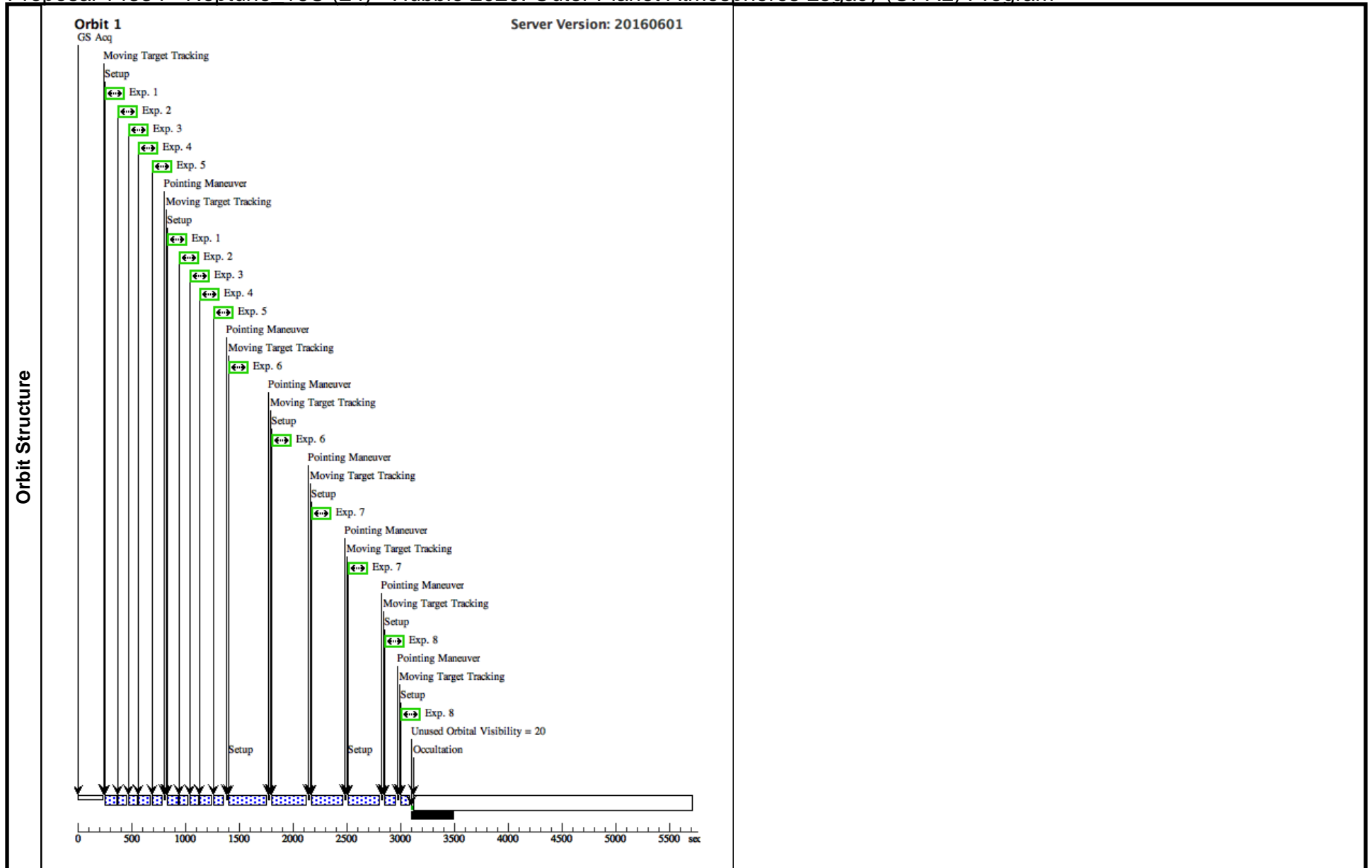
Proposal 14334 - Neptune 16C (24) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:16 GMT 2016

Visit	Proposal 14334, Neptune_16C (24), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 22 BY 9.2 H TO 9.7 H; VISIBILITY INTERVAL 52 M <i>Comments: Neptune Opposition +/- 35 days preferred</i>																
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Proposal 14334 - Neptune 16C (24) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_16C (2 4) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16C (24) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16C (2 4) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16C (24) (3)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_16C (2 4) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16C (24) (3)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16C (2 4) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16C (24) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16C (2 4) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16C (24) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=12	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_16C (2 4) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_16C (24) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO; FLASH=5	POS TARG 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_16C (2 4) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_16C (24) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16C (2 4) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_16C (24) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



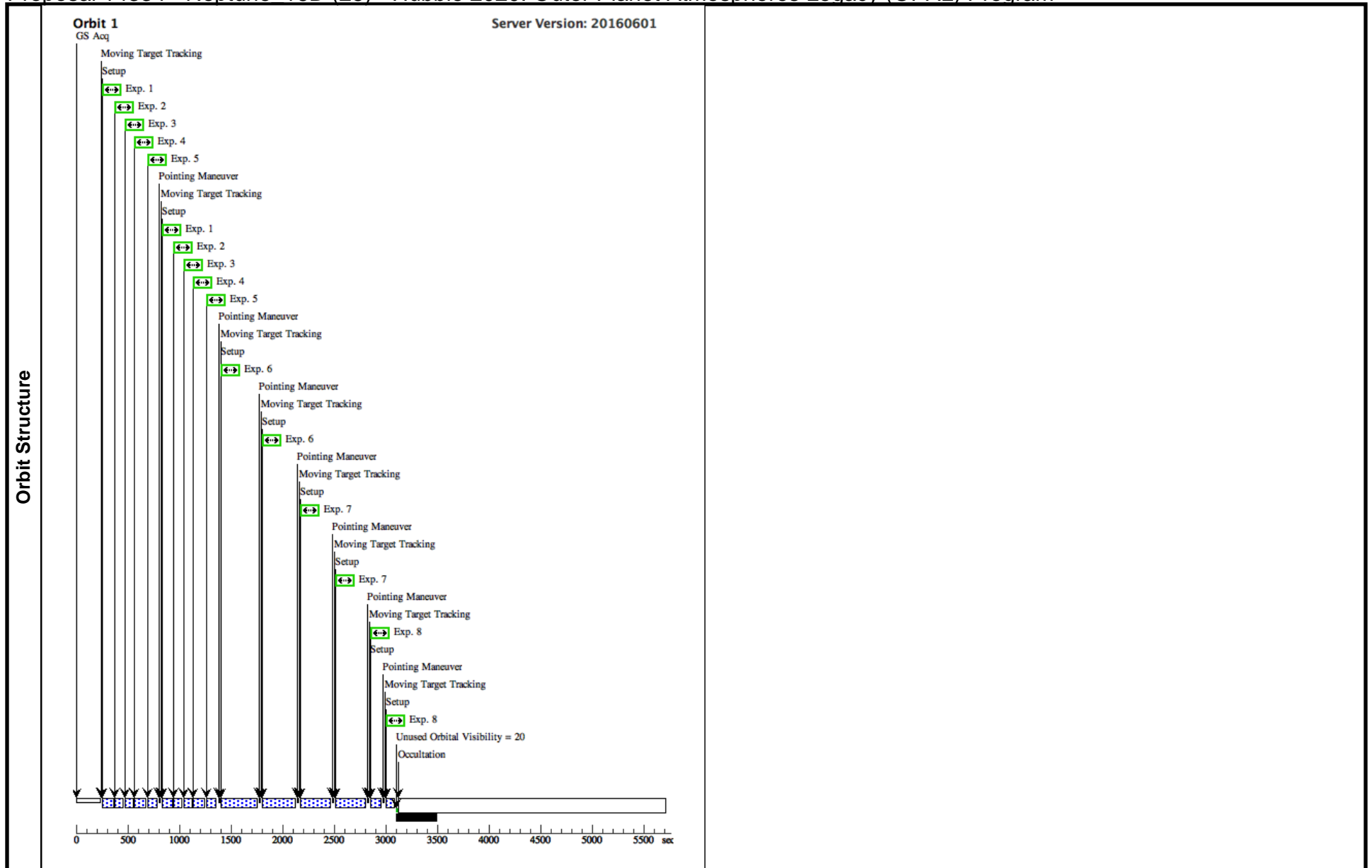
Proposal 14334 - Neptune 16D (25) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

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Proposal 14334 - Neptune 16D (25) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_16D (2 5) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16D (25) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16D (2 5) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16D (25) (3)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_16D (2 5) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16D (25) (3)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16D (2 5) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16D (25) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16D (2 5) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16D (25) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=12	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_16D (2 5) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_16D (25) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO; FLASH=5	POS TARG 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_16D (2 5) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_16D (25) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16D (2 5) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_16D (25) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



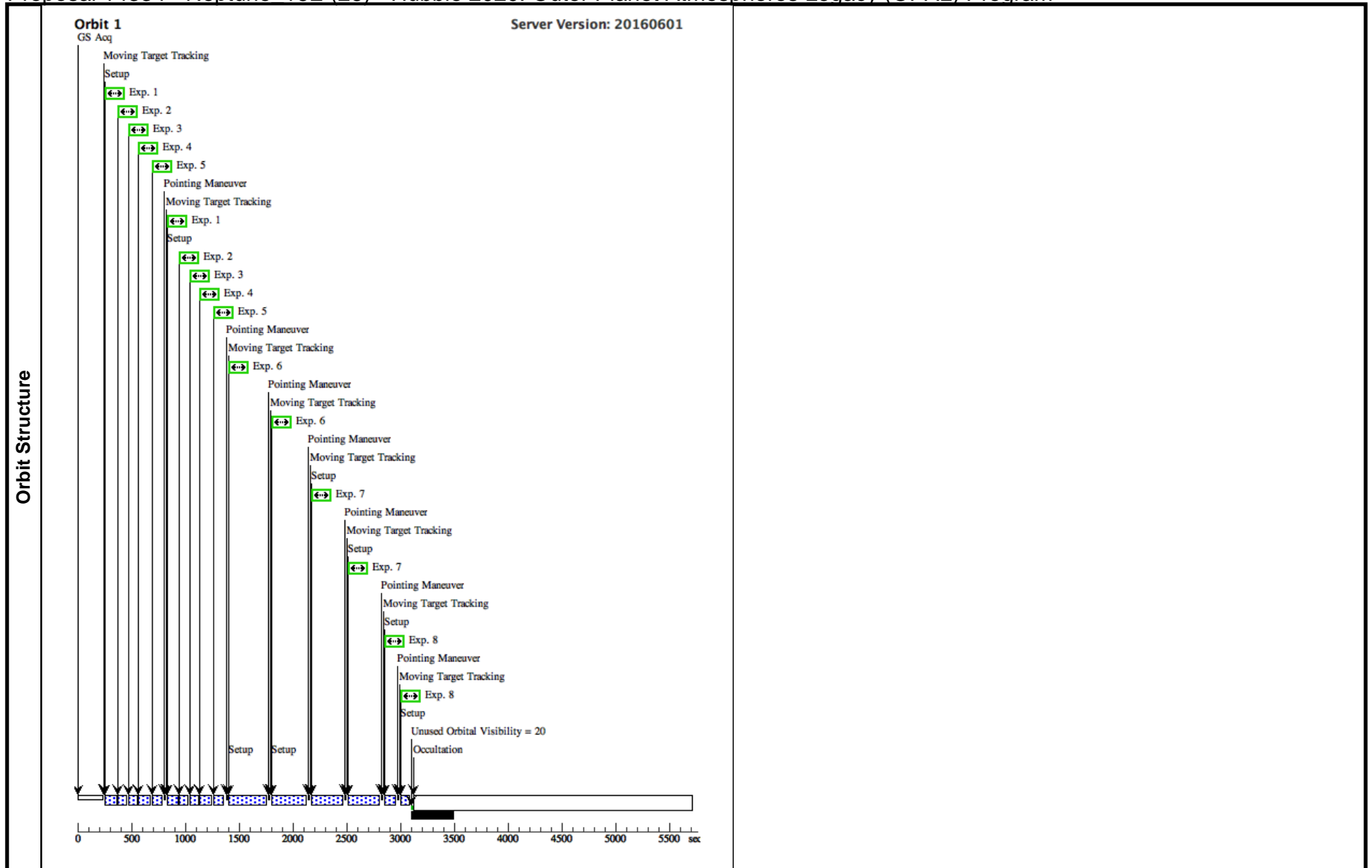
Proposal 14334 - Neptune 16E (26) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

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(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH											
Solar System Targets																	

Proposal 14334 - Neptune 16E (26) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_16E (2 6) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16E (26) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16E (2 6) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16E (26) (3)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_16E (2 6) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16E (26) (3)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16E (2 6) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16E (26) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16E (2 6) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16E (26) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=12	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_16E (2 6) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_16E (26) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO; FLASH=5	POS TARG 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_16E (2 6) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_16E (26) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16E (2 6) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_16E (26) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



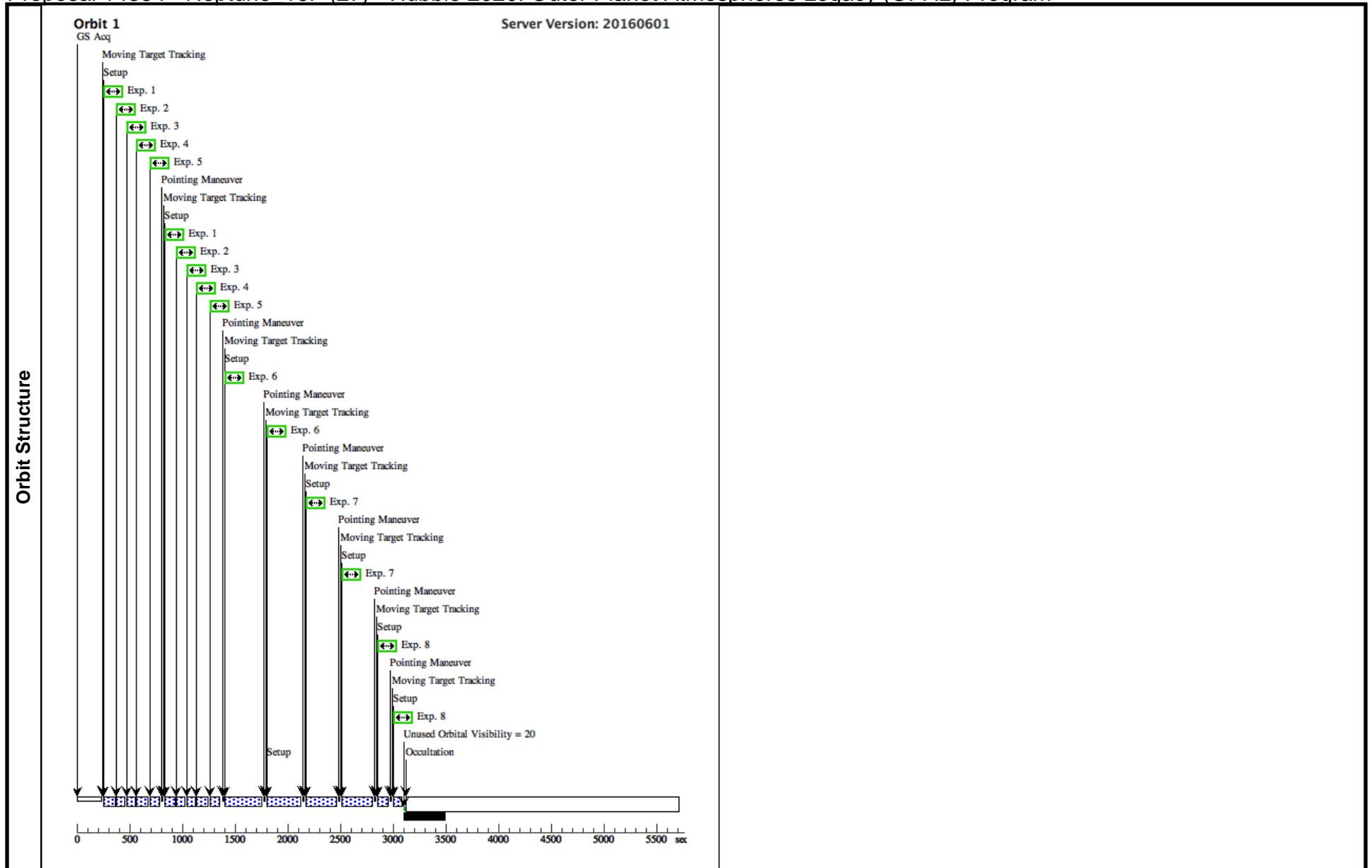
Proposal 14334 - Neptune 16F (27) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:16 GMT 2016

Visit	Proposal 14334, Neptune_16F (27), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 22 BY 22.0 H TO 22.6 H; VISIBILITY INTERVAL 52 M <i>Comments: Neptune Opposition +/- 35 days preferred</i>																
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Solar System Targets																	

Proposal 14334 - Neptune 16F (27) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_16F (27) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16F (27) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16F (27) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16F (27) (3)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_16F (27) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16F (27) (3)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16F (27) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16F (27) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16F (27) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16F (27) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=12	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_16F (27) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_16F (27) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO; FLASH=5	POS TARG 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_16F (27) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_16F (27) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16F (27) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_16F (27) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



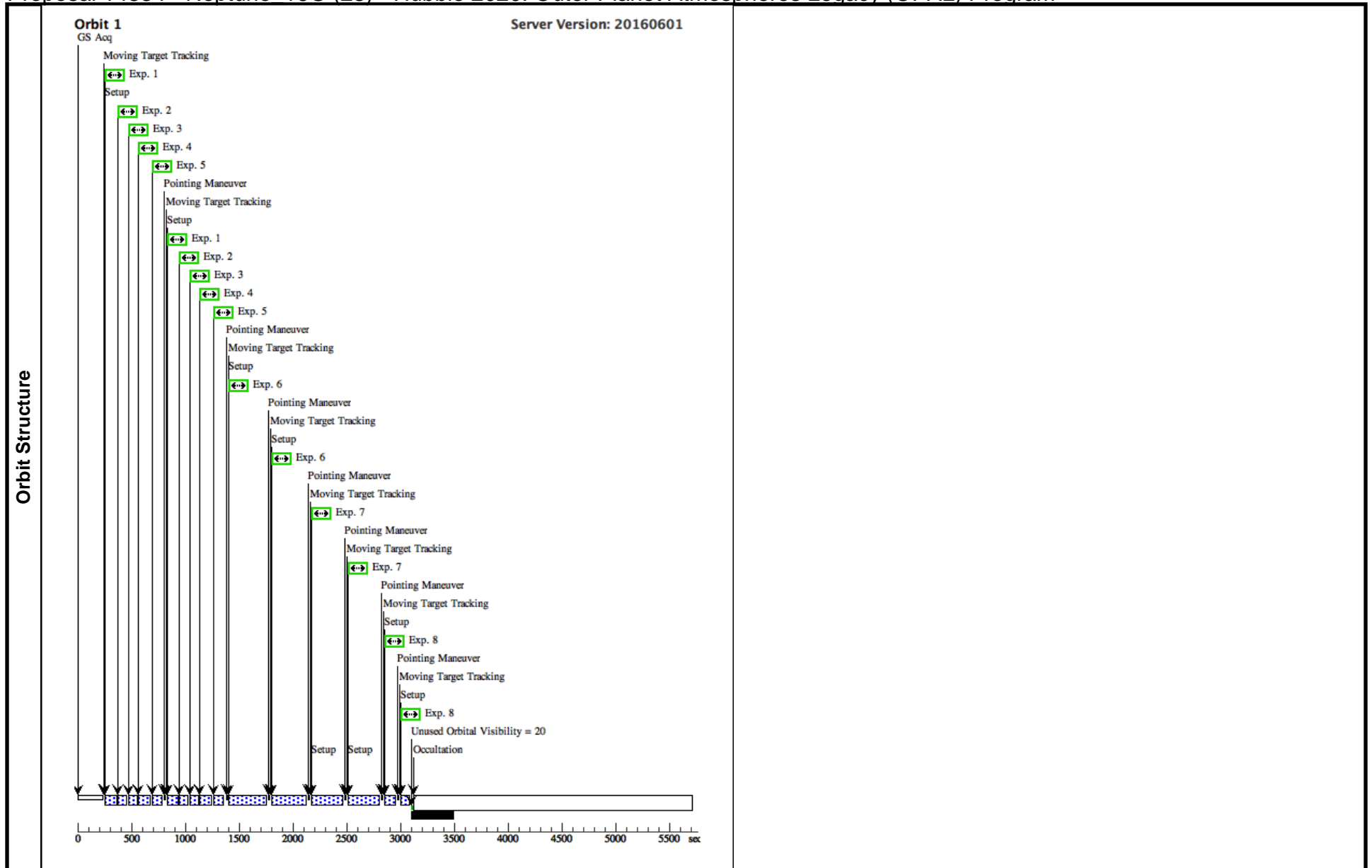
Proposal 14334 - Neptune 16G (28) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:16 GMT 2016

Visit	Proposal 14334, Neptune_16G (28), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 22 BY 26.8 H TO 27.2 H; VISIBILITY INTERVAL 52 M <i>Comments: Neptune Opposition +/- 35 days preferred</i>																
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Proposal 14334 - Neptune 16G (28) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_16G (28) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16G (28) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16G (28) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16G (28) (3)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_16G (28) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16G (28) (3)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16G (28) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16G (28) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16G (28) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16G (28) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=12	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_16G (28) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_16G (28) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO; FLASH=5	POS TARG 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_16G (28) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_16G (28) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16G (28) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_16G (28) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 14334 - Neptune 16H (29) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Wed Sep 07 21:26:16 GMT 2016

Visit	Proposal 14334, Neptune_16H (29), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 22 BY 29.9 H TO 32.2 H; VISIBILITY INTERVAL 52 M <i>Comments: Neptune Opposition +/- 35 days preferred</i>																
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Proposal 14334 - Neptune 16H (29) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

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	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_16H (2 9) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16H (29) (3)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_16H (2 9) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16H (29) (3)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16H (2 9) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_16H (29) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
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	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO; FLASH=12	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_16H (2 9) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_16H (29) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO; FLASH=5	POS TARG 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_16H (2 9) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_16H (29) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO; FLASH=5		Sequence 1-8 Non-Int in Neptune_16H (2 9) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_16H (29) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

