



17294 - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Cycle: 31, Proposal Category: GO/DD

(Availability Mode: AVAILABLE)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
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Michael H. Wong (CoI) (Contact)	University of California - Berkeley
Dr. Glenn S. Orton (CoI)	Jet Propulsion Laboratory

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-Nov-2024 17:00:23.0	yes
02	(3) URANUS-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:25.0	yes
03	(3) URANUS-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:26.0	yes
04	(3) URANUS-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:27.0	yes
05	(3) URANUS-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:28.0	yes
06	(3) URANUS-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:29.0	yes
07	(3) URANUS-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:30.0	yes
08	(3) URANUS-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:31.0	yes
09	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:32.0	yes
10	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:33.0	yes
11	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:34.0	yes
12	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:35.0	yes

Proposal 17294 (STScI Edit Number: 28, Created: Thursday, November 7, 2024, 5:01:06PM Eastern Standard Time) - Overview

<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-Nov-2024 17:00:35.0	yes
14	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:36.0	yes
15	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:37.0	yes
16	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:38.0	yes
17	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:38.0	yes
18	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:39.0	yes
19	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:40.0	yes
20	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:41.0	yes
21	(1) JUPITER-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:42.0	yes
22	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:43.0	yes
23	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:44.0	yes
24	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:45.0	yes
25	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:45.0	yes
26	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:46.0	yes
27	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:47.0	yes
28	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:48.0	yes
29	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:49.0	yes
56	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:50.0	yes
57	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:51.0	yes
58	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:52.0	yes
59	(4) NEPTUNE-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:53.0	yes
30	(2) SATURN-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:54.0	yes
31	(2) SATURN-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:55.0	yes
32	(2) SATURN-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:56.0	yes
33	(2) SATURN-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:57.0	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>
34	(2) SATURN-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:58.0	yes
35	(2) SATURN-MAPS	WFC3/UVIS	1	07-Nov-2024 17:00:59.0	yes
36	(2) SATURN-MAPS	WFC3/UVIS	1	07-Nov-2024 17:01:00.0	yes
37	(2) SATURN-MAPS	WFC3/UVIS	1	07-Nov-2024 17:01:01.0	yes
38	(2) SATURN-MAPS	WFC3/UVIS	1	07-Nov-2024 17:01:02.0	yes
39	(2) SATURN-MAPS	WFC3/UVIS	1	07-Nov-2024 17:01:03.0	yes
40	(2) SATURN-MAPS	WFC3/UVIS	1	07-Nov-2024 17:01:04.0	yes
41	(2) SATURN-MAPS	WFC3/UVIS	1	07-Nov-2024 17:01:05.0	yes

45 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.

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

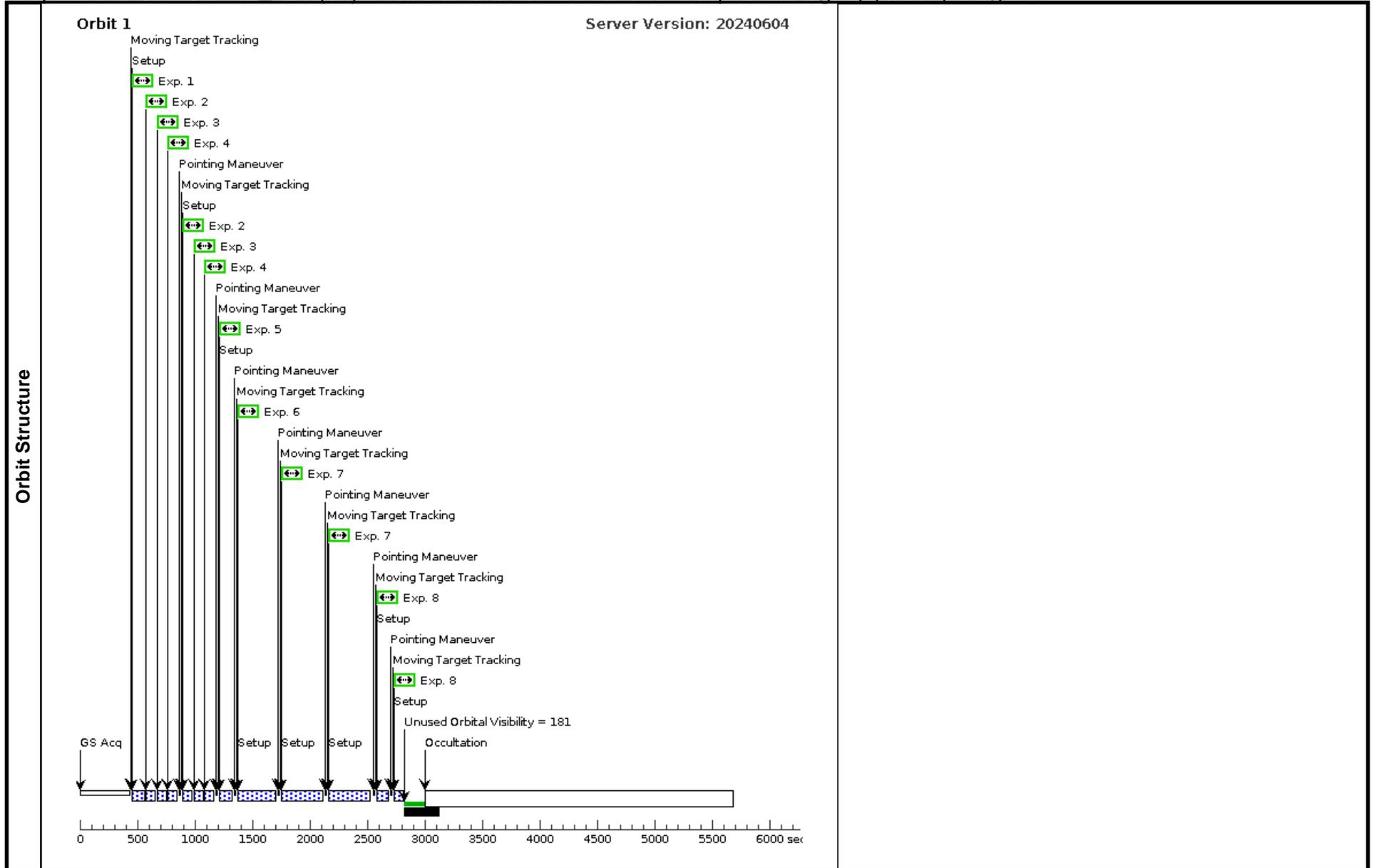
Proposal 17294 - Uranus 23A (01) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:06 GMT 2024

Visit	<p>Proposal 17294, Uranus_23A (01), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 17-SEP-2023:00:00:00 AND 19-SEP-2023:00:00:00; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p> <p><i>Comments: 8 orbits, with 2-orbit gaps between all visits to satisfy observatory thermal constraints when target is > 168 deg from the Sun. A larger separation between orbits D/E (visits 4/5) is OK between Uranus rotations. Impingement into SAA is OK if the above timing gaps cannot prevent it. We can tolerate gyro bias updates to ease the contiguous orbit constraints, and will work with our program contacts to fit them in. 3-gyro mode may be necessary as this is a moving target.</i></p> <p><i>Uranus opposition (2023-NOV-13) +/- 30 days preferred, but tied to New Horizons 3-axis period this year only: Aug 11 to Oct 3</i></p> <p>TRIMMING RULES</p> <p><i>These are suggested actions to trim time from orbits in case of reduced visibility (for Uranus, gyro bias should not be a concern because no orbits are consecutive). Please try these in order:</i></p> <ol style="list-style-type: none"> <i>1. Pull the final F845M exposure out of its pattern and delete the pattern (i.e., at the end of the visit, only take 1 frame of data not 2). Can be done on a visit-by-visit basis as needed.</i> <i>2. Pull the F763M exposure out of its pattern (i.e., only take 1 frame of data not 2). Can be done on a visit-by-visit basis as needed.</i> <i>3. Pull the FQ727N exposure out of its pattern and delete the pattern (i.e., only take 1 frame of data not 2). Can be done on a visit-by-visit basis as needed.</i> <i>4. Delete the final F845M exposure of the visit (leaving only the F845M exposure at the start of the visit). Can be done on a visit-by-visit basis as needed.</i> 			
	<p>(Uranus_23A (01)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE</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>(F845M (01.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.</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>(F763M (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>(F657N (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): 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>(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>(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>(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> <p>(Uranus_23A (01)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>			
Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	<p>Pattern Type=WFC3-UVIS-DITHER-LINE</p> <p>Purpose=DITHER</p> <p>Number Of Points=2</p> <p>Point Spacing=0.145</p> <p>Line Spacing=</p>	<p>Coordinate Frame=POS-TARG</p> <p>Pattern Orientation=46.84</p> <p>Angle Between Sides=</p> <p>Center Pattern=false</p>	(2-4), (8)
(3)	<p>Pattern Type=WFC3-UVIS-DITHER-LINE</p> <p>Purpose=DITHER</p> <p>Number Of Points=2</p> <p>Point Spacing=0.725</p> <p>Line Spacing=</p>	<p>Coordinate Frame=POS-TARG</p> <p>Pattern Orientation=46.84</p> <p>Angle Between Sides=</p> <p>Center Pattern=false</p>	(7)	

Proposal 17294 - Uranus_23A (01) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

	Solar System Targets							Ephem Center		
	#	Name	Level 1	Level 2	Level 3	Window				
	(3)	URANUS-MAPS	STD=URANUS							EARTH
	<i>Comments: Description=Global Uranus maps</i>									
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 BASE1BR	Sequence 1-8 Non-Int in Uranus_23A (01)	35 Secs (35 Secs) [==>]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23A (01) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23A (01) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23A (01) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23A (01) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23A (01) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23A (01) (2)	25 Secs (50 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23A (01)	40 Secs (40 Secs) [==>]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_23A (01)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_23A (01) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_23A (01) (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_23A (01) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_23A (01) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



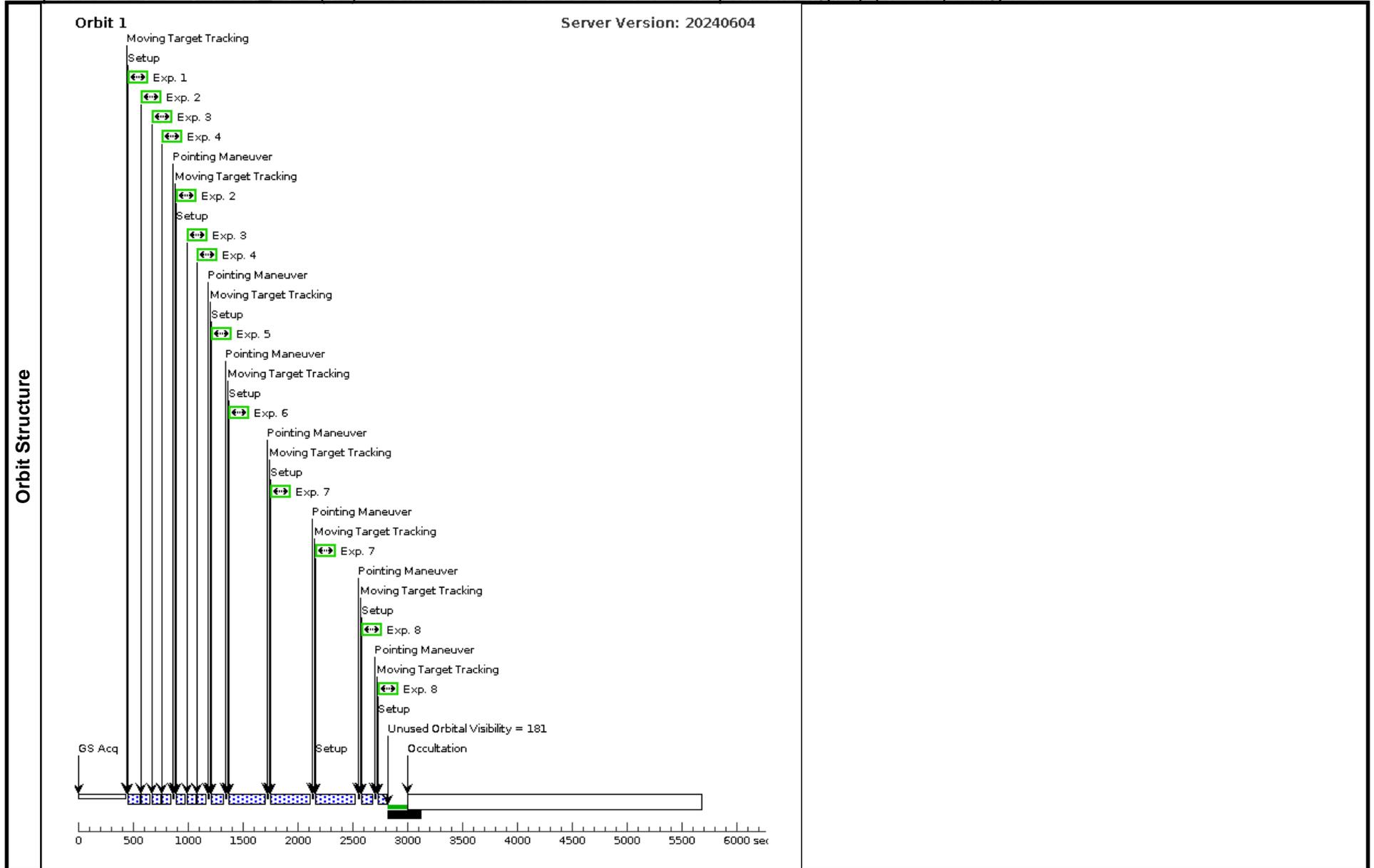
Proposal 17294 - Uranus_23B (02) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:06 GMT 2024

Visit	<p>Proposal 17294, Uranus_23B (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; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p>						
	<p>(Uranus_23B (02)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE</p> <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>(F845M (02.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.</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>(F763M (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>(F657N (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> <p>(Uranus_23B (02)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>						
Diagnostics							
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2-4), (8)			
	(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	(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH
<p><i>Comments: Description=Global Uranus maps</i></p>							

Proposal 17294 - Uranus 23B (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 SCENARIO BASE1BR	Sequence 1-8 Non-Int in Uranus_23B (02)	35 Secs (35 Secs) [==>]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23B (02) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23B (02) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23B (02) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23B (02) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23B (02) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23B (02) (2)	25 Secs (50 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23B (02)	40 Secs (40 Secs) [==>]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_23B (02)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_23B (02) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_23B (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_23B (02) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_23B (02) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



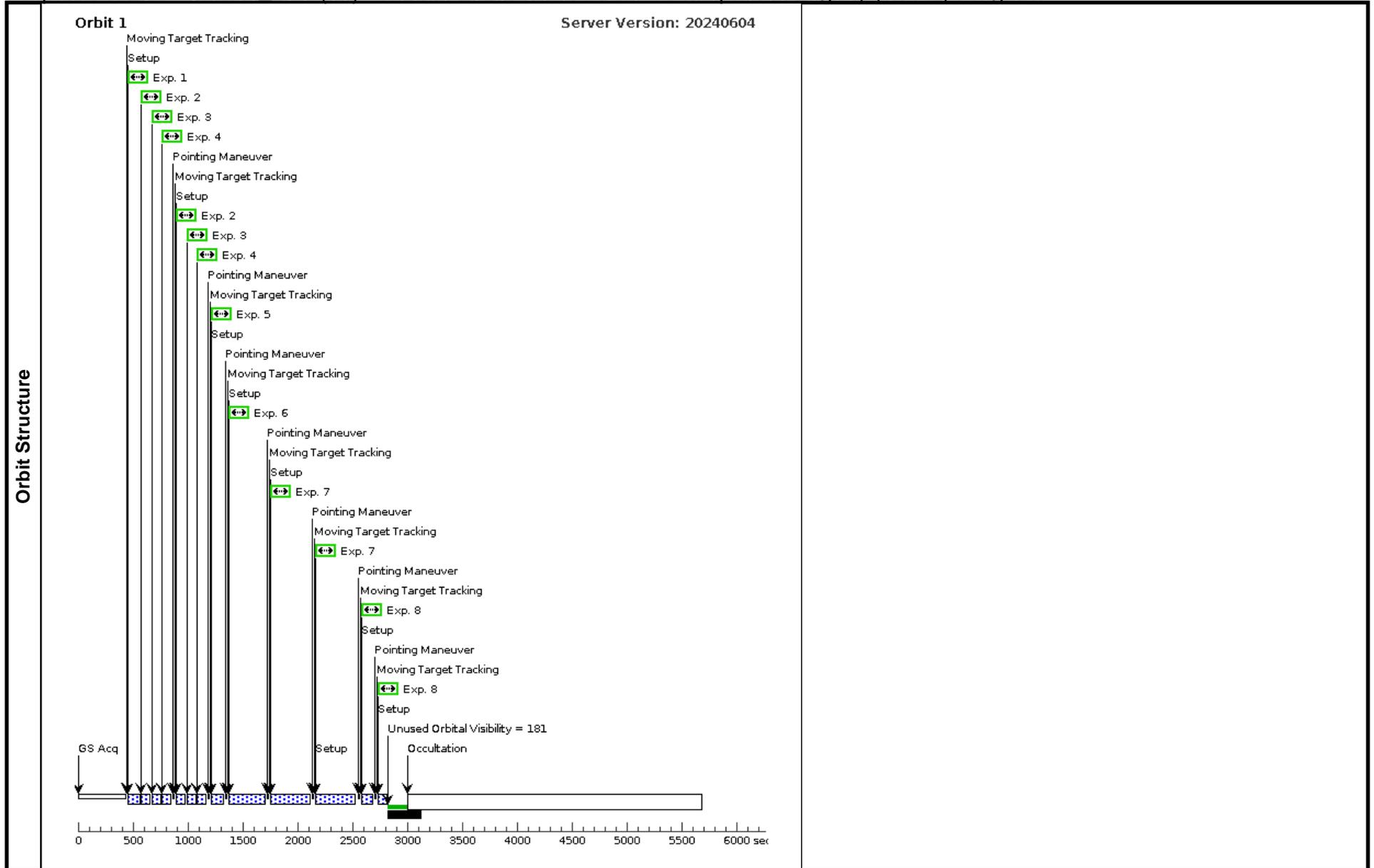
Proposal 17294 - Uranus_23C (03) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:06 GMT 2024

Visit	<p>Proposal 17294, Uranus_23C (03), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 02 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p>						
	<p>(Uranus_23C (03)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE</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>(F845M (03.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.</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>(F763M (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>(F657N (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): 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>(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>(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>(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> <p>(Uranus_23C (03)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>						
Diagnostics							
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2-4), (8)			
	(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	(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH
<p><i>Comments: Description=Global Uranus maps</i></p>							

Proposal 17294 - Uranus 23C (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 SCENARIO BASE1BR	Sequence 1-8 Non-Int in Uranus_23C (03)	35 Secs (35 Secs) [==>]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23C (03) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23C (03) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23C (03) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23C (03) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23C (03) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23C (03) (2)	25 Secs (50 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23C (03)	40 Secs (40 Secs) [==>]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_23C (03)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_23C (03) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_23C (03) (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_23C (03) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_23C (03) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



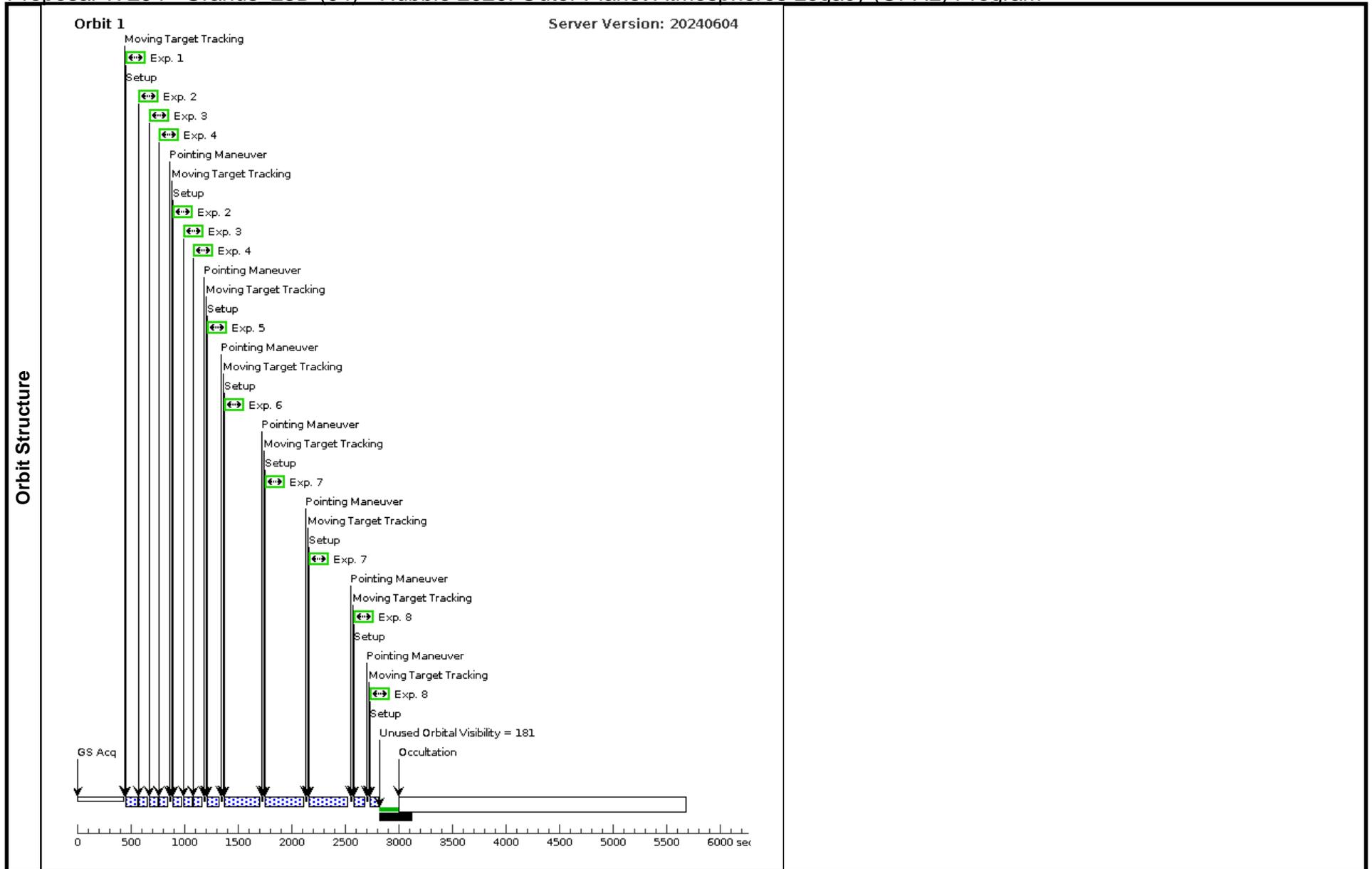
Proposal 17294 - Uranus_23D (04) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:06 GMT 2024

Visit	<p>Proposal 17294, Uranus_23D (04), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 03 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p>						
	<p>(Uranus_23D (04)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE</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>(F845M (04.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.</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>(F763M (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>(F657N (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> <p>(Uranus_23D (04)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>						
Diagnostics							
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2-4), (8)			
	(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	(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH
<p><i>Comments: Description=Global Uranus maps</i></p>							

Proposal 17294 - Uranus 23D (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 SCENARIO BASE1BR	Sequence 1-8 Non-Int in Uranus_23D (04)	35 Secs (35 Secs) [==>]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23D (04) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23D (04) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23D (04) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23D (04) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23D (04) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23D (04) (2)	25 Secs (50 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23D (04)	40 Secs (40 Secs) [==>]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_23D (04)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_23D (04) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_23D (04) (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_23D (04) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_23D (04) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



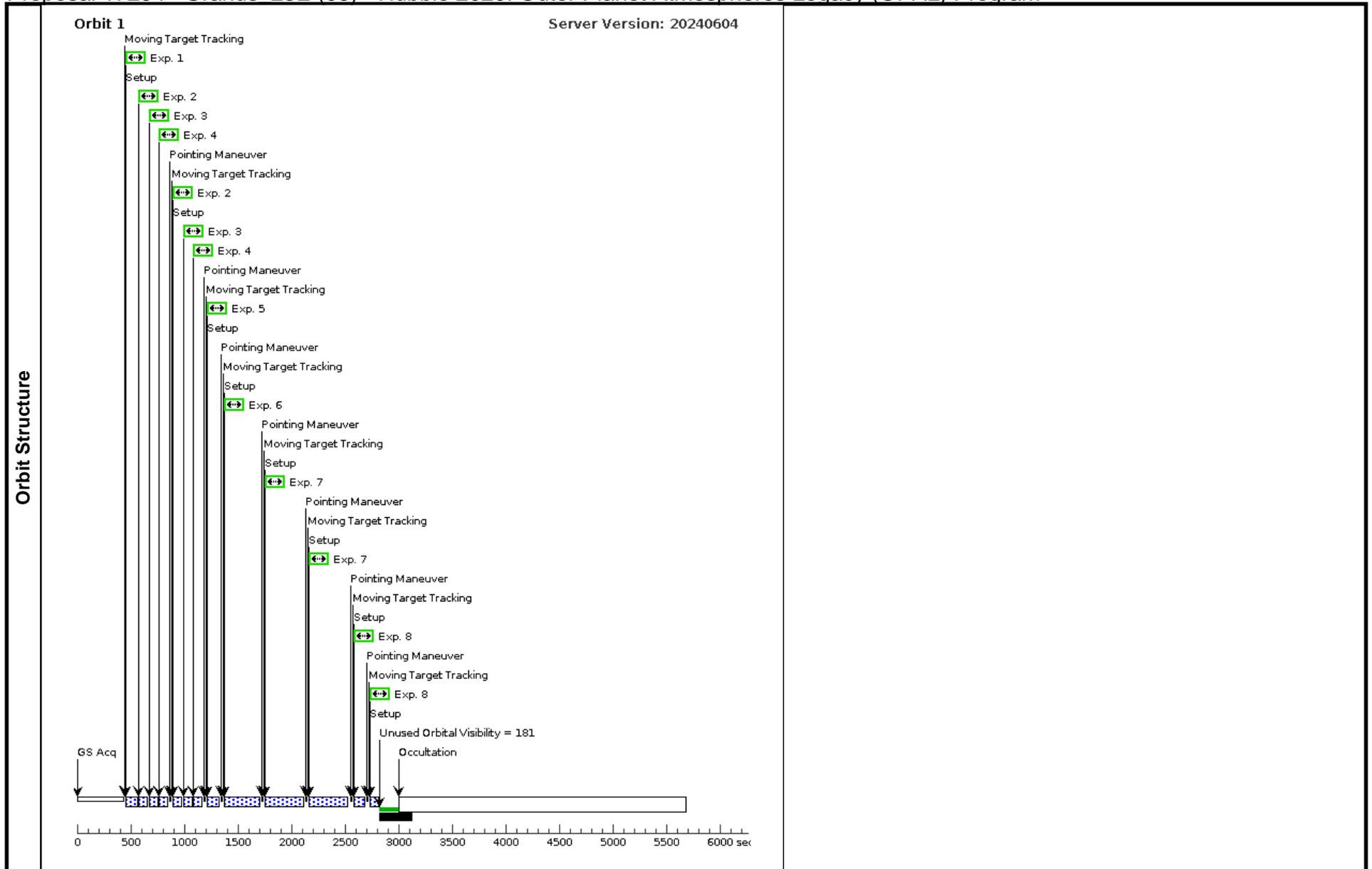
Proposal 17294 - Uranus_23E (05) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:06 GMT 2024

Visit	Proposal 17294, Uranus_23E (05), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 04 BY 2.9 Orbits TO 6.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET						
	Diagnosics (Uranus_23E (05)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE (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 (F845M (05.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios. (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 (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 (F763M (05.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (05.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (05.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (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. (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 (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. (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 (Uranus_23E (05)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2-4), (8)			
	(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	(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH
Comments: Description=Global Uranus maps							

Proposal 17294 - Uranus 23E (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 BASE1BR	Sequence 1-8 Non-Int in Uranus_23E (05)	35 Secs (35 Secs) [==>]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23E (05) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23E (05) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23E (05) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23E (05) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23E (05) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23E (05) (2)	25 Secs (50 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23E (05)	40 Secs (40 Secs) [==>]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_23E (05)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_23E (05) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_23E (05) (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	SAA CONTOUR 02	Sequence 1-8 Non-Int in Uranus_23E (05) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_23E (05) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



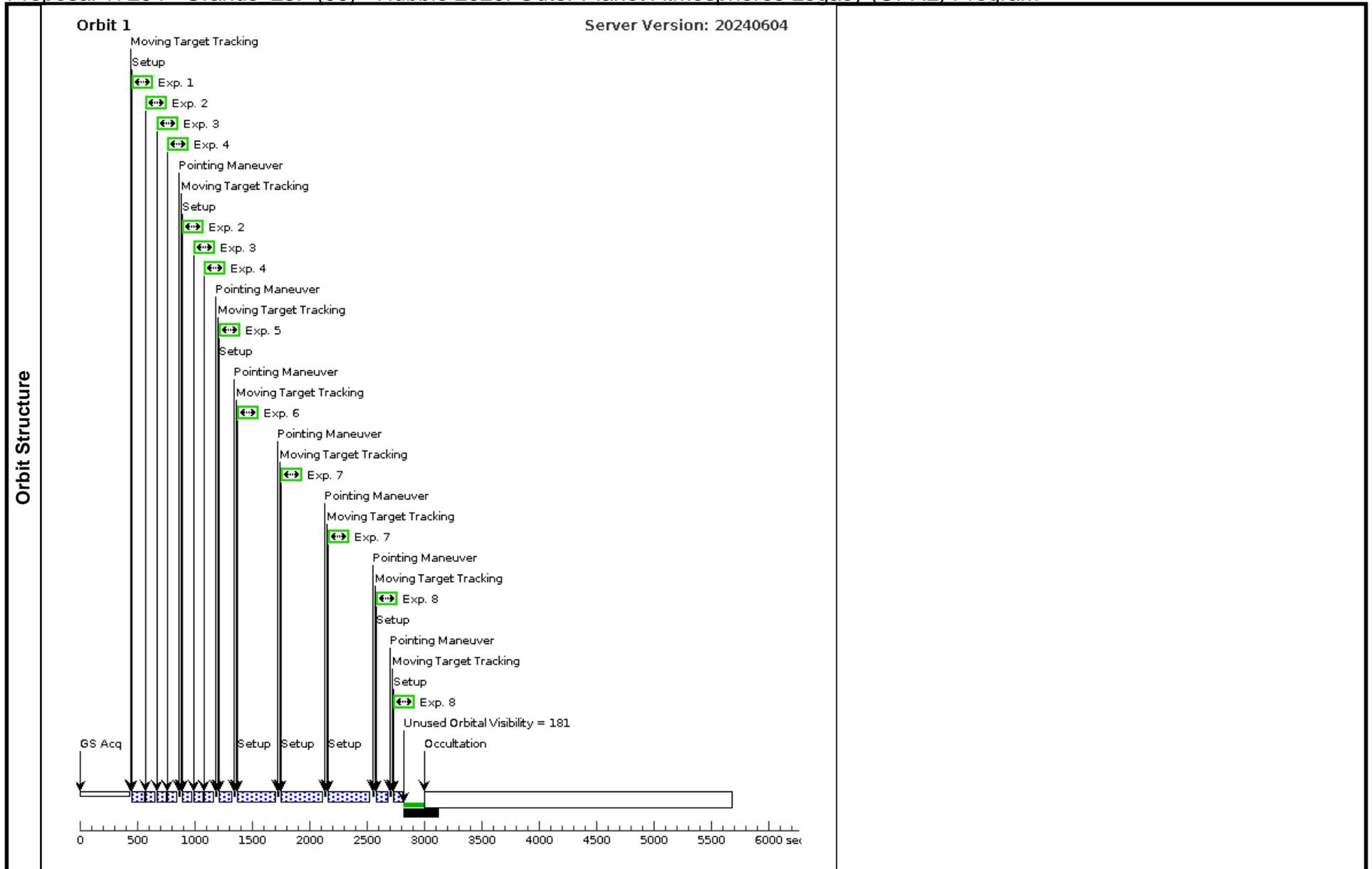
Proposal 17294 - Uranus_23F (06) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:06 GMT 2024

Visit	<p>Proposal 17294, Uranus_23F (06), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 05 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p>						
	<p>(Uranus_23F (06)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE</p> <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>(F845M (06.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.</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>(F763M (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>(F657N (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 vignetted 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>(FQ727N_quadD (06.007)) 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 (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> <p>(Uranus_23F (06)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>						
Diagnostics							
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2-4), (8)			
	(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	(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH
<p><i>Comments: Description=Global Uranus maps</i></p>							

Proposal 17294 - Uranus 23F (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 SCENARIO BASE1BR	Sequence 1-8 Non-Int in Uranus_23F (06)	35 Secs (35 Secs) [==>]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23F (06) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23F (06) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23F (06) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23F (06) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23F (06) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23F (06) (2)	25 Secs (50 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23F (06)	40 Secs (40 Secs) [==>]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_23F (06)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_23F (06) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_23F (06) (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	SAA CONTOUR 02	Sequence 1-8 Non-Int in Uranus_23F (06) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_23F (06) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



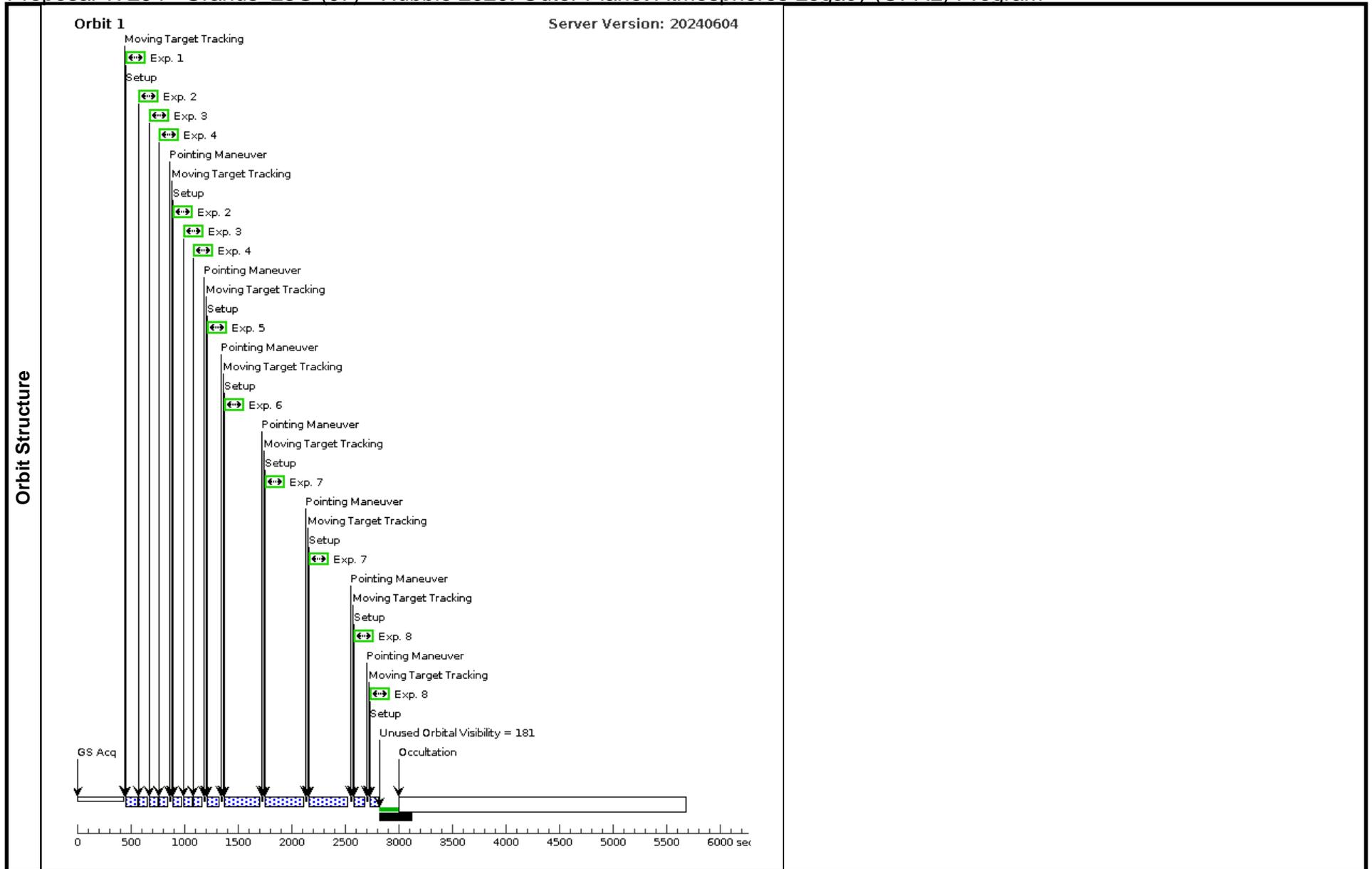
Proposal 17294 - Uranus 23G (07) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:06 GMT 2024

Visit	<p>Proposal 17294, Uranus_23G (07), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 06 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p>						
	<p>(Uranus_23G (07)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE</p> <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>(F845M (07.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.</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>(F763M (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>(F657N (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> <p>(Uranus_23G (07)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>						
Diagnostics							
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures		
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2-4), (8)	
(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		(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH
<p><i>Comments: Description=Global Uranus maps</i></p>							

Proposal 17294 - Uranus 23G (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 SCENARIO BASE1BR	Sequence 1-8 Non-Int in Uranus_23G (07)	35 Secs (35 Secs) [==>]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23G (07) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23G (07) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23G (07) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23G (07) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23G (07) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23G (07) (2)	25 Secs (50 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23G (07)	40 Secs (40 Secs) [==>]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_23G (07)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_23G (07) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_23G (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_23G (07) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_23G (07) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



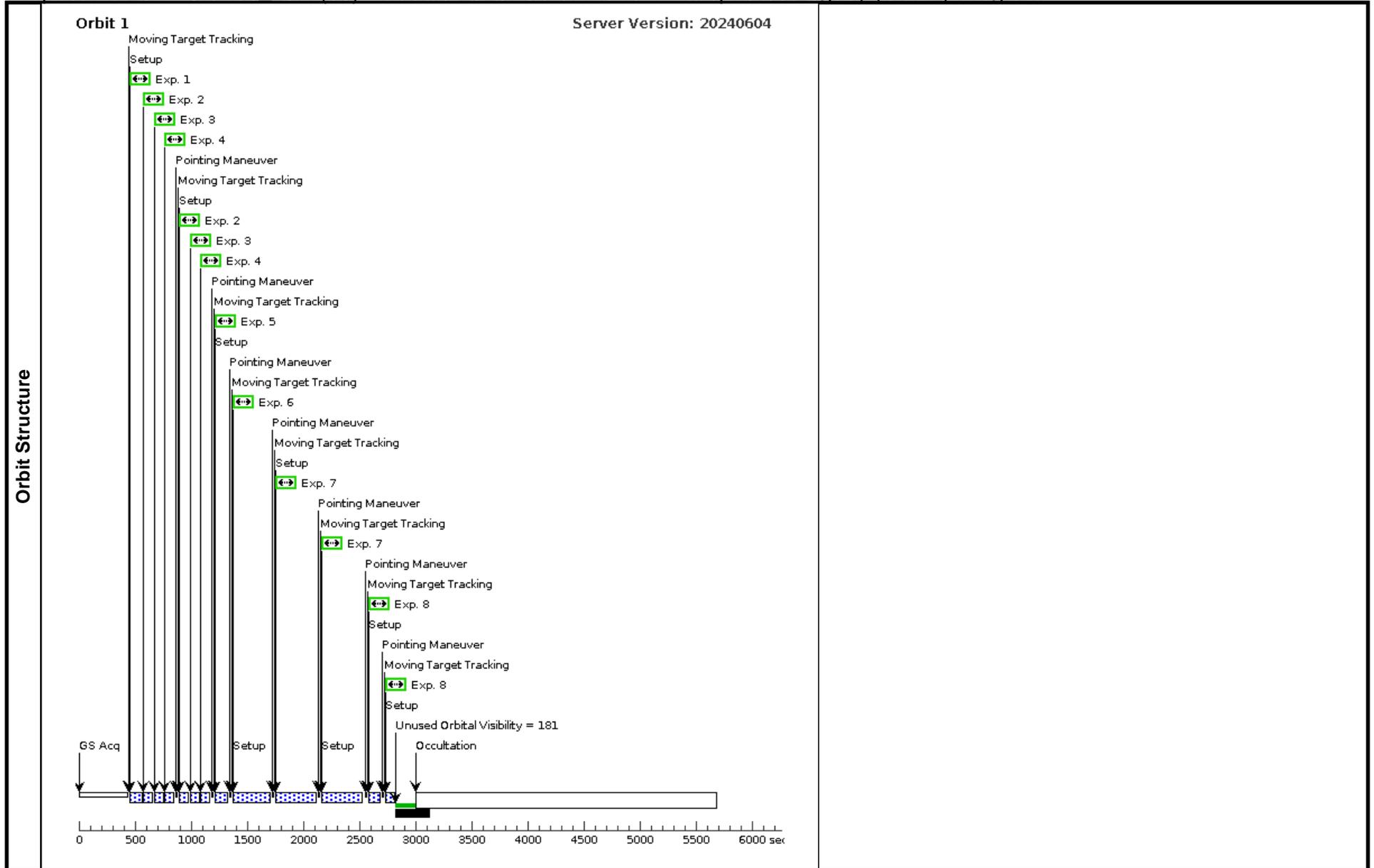
Proposal 17294 - Uranus_23H (08) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:06 GMT 2024

Visit	<p>Proposal 17294, Uranus_23H (08), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 07 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p>						
	<p>(Uranus_23H (08)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE</p> <p>(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</p> <p>(F845M (08.001) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.</p> <p>(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</p> <p>(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</p> <p>(F763M (08.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (08.005)) 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 (08.006)) 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 (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.</p> <p>(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</p> <p>(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.</p> <p>(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</p> <p>(Uranus_23H (08)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>						
Diagnostics							
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2-4), (8)			
	(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	(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH
<p><i>Comments: Description=Global Uranus maps</i></p>							

Proposal 17294 - Uranus 23H (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 SCENARIO BASE1BR	Sequence 1-8 Non-Int in Uranus_23H (08)	35 Secs (35 Secs) [==>]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23H (08) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23H (08) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23H (08) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23H (08) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23H (08) Pattern 2, Exps 2-4 in Sequence 1-8 Non-Int in Uranus_23H (08) (2)	25 Secs (50 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_23H (08)	40 Secs (40 Secs) [==>]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_23H (08)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_23H (08) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_23H (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_23H (08) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_23H (08) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



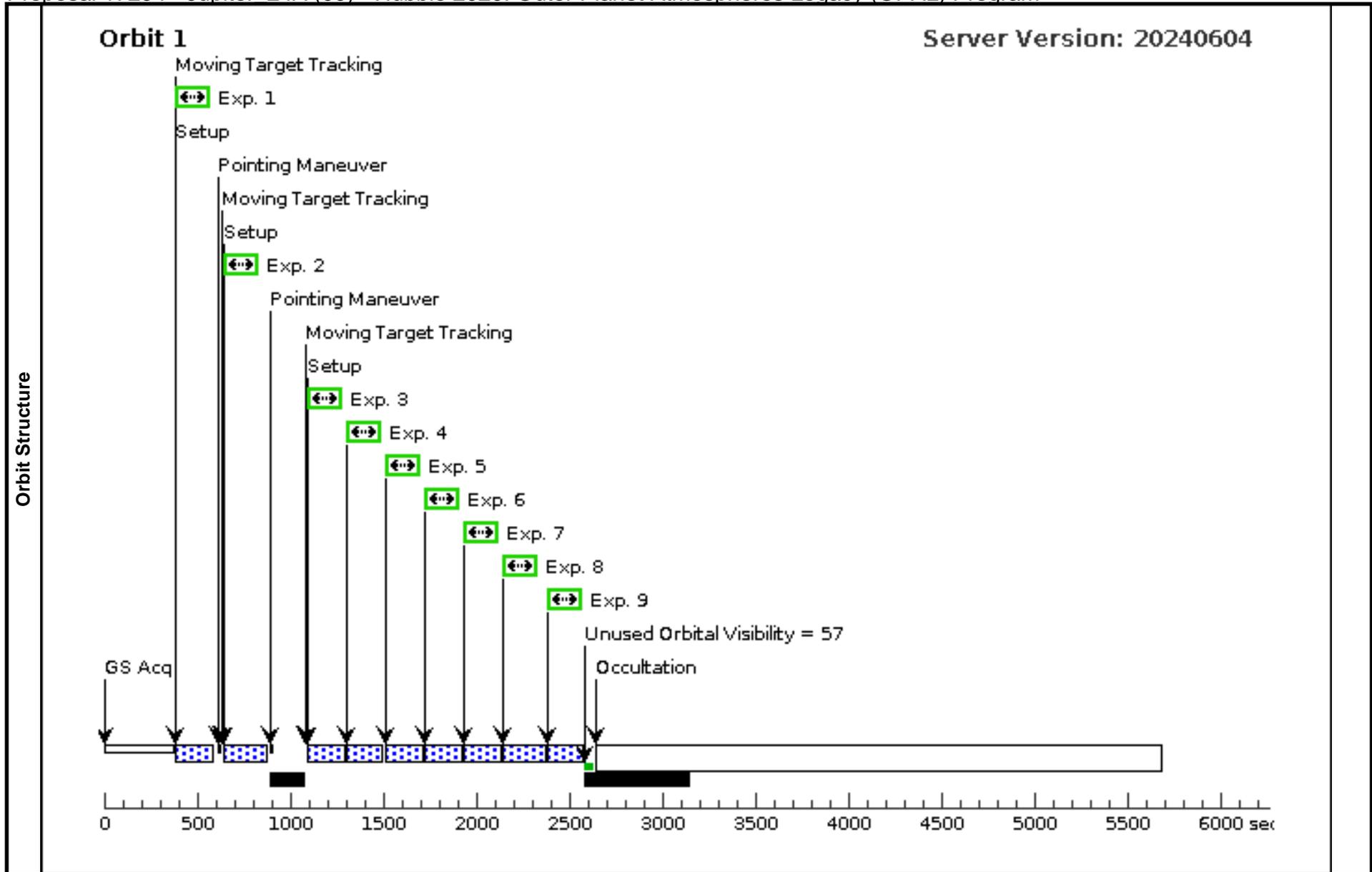
Proposal 17294 - Jupiter 24A (09) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Jupiter_24A (09), scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 28-OCT-2024 AND 17-JAN-2025</p> <p><i>Comments: 13 orbits, should be contiguous, if possible. A gap of 1 or 2 orbits between F/G or G/H (i.e., between visits 14/15 or 15/16) is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it. We can tolerate gyro bias updates to ease the contiguous orbit constraints, and will work with our program contacts to fit them in. 3-gyro mode may be necessary as this is a moving target.</i></p> <p><i>Jupiter opposition (2024-DEC-07) +/- 30 days preferred).</i></p> <p><i>We can accept +/- 40 days to account for 21 unschedulable days near opposition (HST temperature rule would be exceeded by Jupiter series because target is > 168 deg from the Sun).</i></p> <p>TRIMMING RULES</p> <p><i>These are suggested actions to trim time from orbits that have reduced visibility, gyro bias, etc. Please try these in order:</i></p> <ol style="list-style-type: none"> <i>1. Swap exposure 1 and 2 (put 889 first, then 631). Can be done on a visit-by-visit basis as needed.</i> <i>2. Cut exposure 9 (F631N). Can be done on a visit-by-visit basis as needed.</i> <i>3. Delete F343N or F275W. Can be done on a visit-by-visit basis as needed, but, choose the same one to cut in visits 9 to 14/15, and the other one for cutting in visits 15/16 to 21. The idea is to try to have at least one Jupiter rotation with full coverage in each filter.</i> <i>4. Delete F467M or F658N. Can be done on a visit-by-visit basis as needed, but, choose the same one to cut in visits 9 to 14/15, and the other one for cutting in visits 15/16 to 21. The idea is to try to have at least one Jupiter rotation with full coverage in each filter.</i> 																				
	Diagnostics	<p>(Jupiter_24A (09)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED</p> <p>(F631N (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>(FQ889_quadA (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>(FQ889_quadA (09.002)) 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>(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>(F343N (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>(F275W (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> <p>(Jupiter_24A (09)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																			
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>(1)</td> <td>JUPITER-MAPS</td> <td>STD=JUPITER</td> <td></td> <td></td> <td>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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D</td> <td>EARTH</td> </tr> </tbody> </table> <p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Jupiter maps</i></p>							#	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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D
	#	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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH															

Proposal 17294 - Jupiter 24A (09) - 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	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24A (09)	4 Secs (4 Secs) [==>]	[1]
	2	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_24A (09)	45 Secs (45 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24A (09)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24A (09)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24A (09)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24A (09)	8 Secs (8 Secs) [==>]	[1]
	7	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24A (09)	6 Secs (6 Secs) [==>]	[1]
	8	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24A (09)	30 Secs (30 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24A (09)	4 Secs (4 Secs) [==>]	[1]



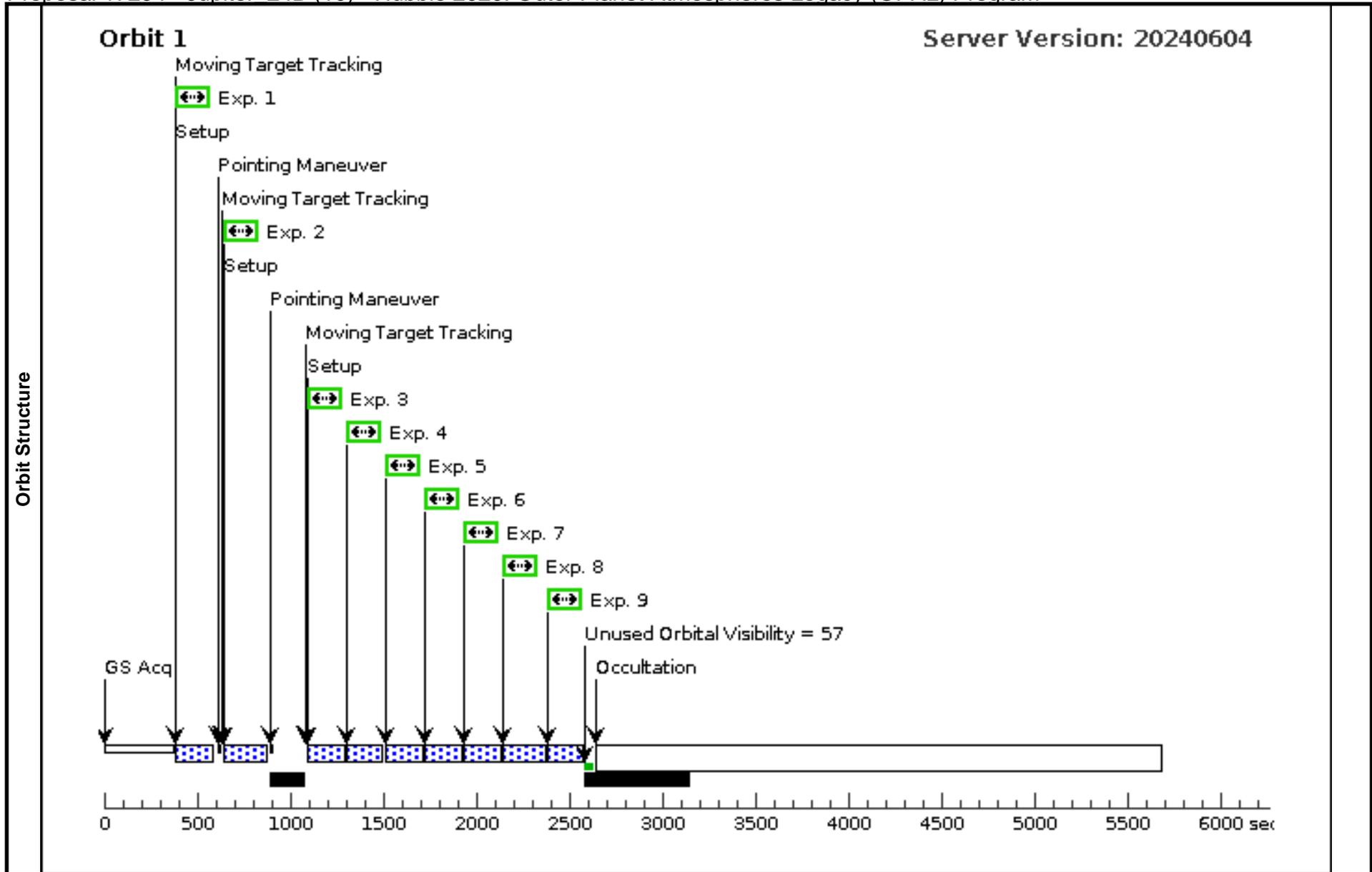
Proposal 17294 - Jupiter 24B (10) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Jupiter_24B (10), scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 09 BY .9 Orbits TO 1.1 Orbits</p>						
	<p>(Jupiter_24B (10)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED</p> <p>(F631N (10.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (10.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (10.002)) 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>(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</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(F343N (10.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (10.008)) 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 (10.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Jupiter_24B (10)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH
<p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Jupiter maps</i></p>							

Proposal 17294 - Jupiter 24B (10) - 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	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24B (10)	4 Secs (4 Secs) [==>]	[1]
	2	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_24B (10)	45 Secs (45 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24B (10)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24B (10)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24B (10)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24B (10)	8 Secs (8 Secs) [==>]	[1]
	7	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24B (10)	6 Secs (6 Secs) [==>]	[1]
	8	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24B (10)	30 Secs (30 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24B (10)	4 Secs (4 Secs) [==>]	[1]



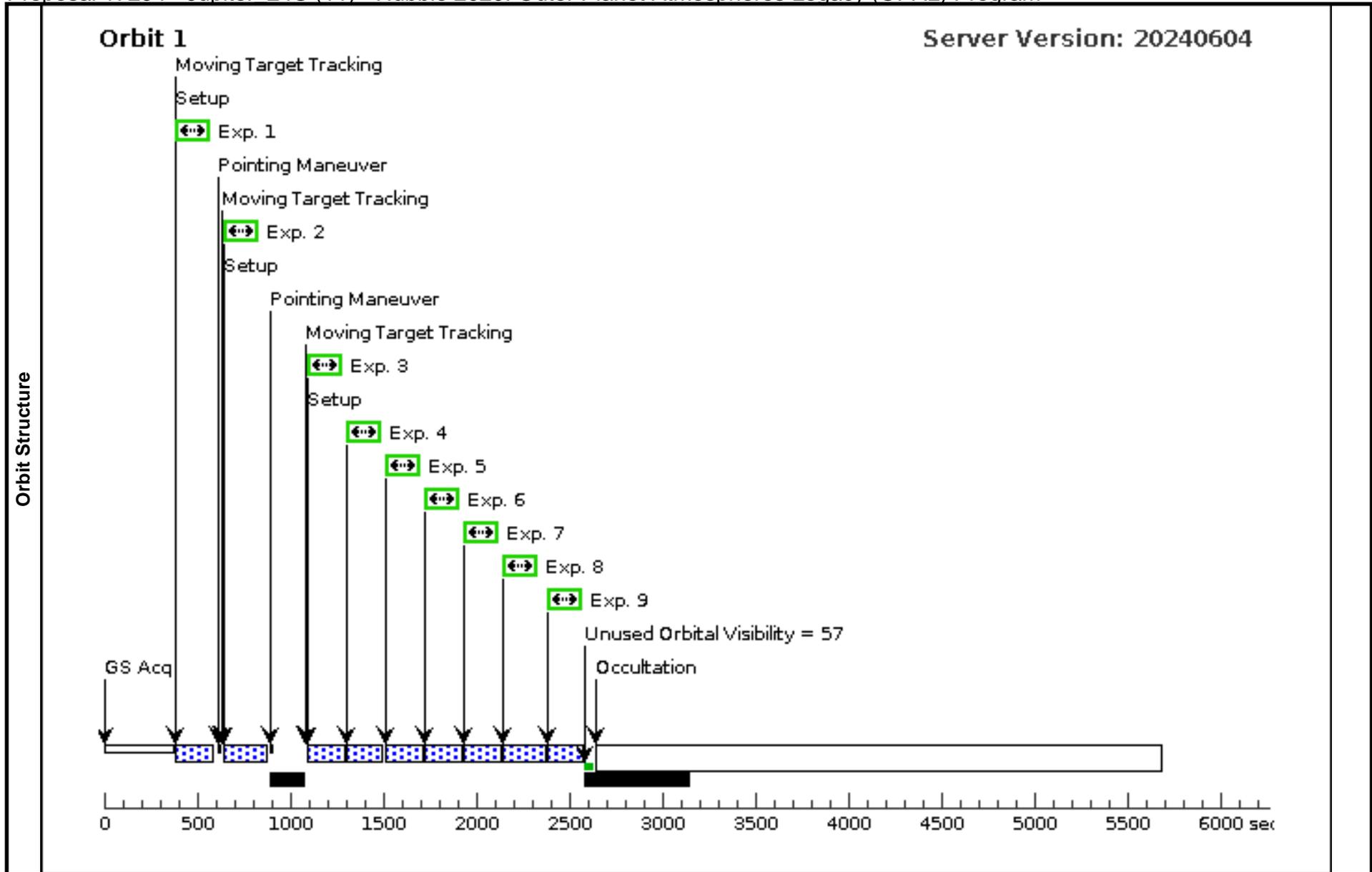
Proposal 17294 - Jupiter 24C (11) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Jupiter_24C (11), scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 10 BY .9 Orbits TO 1.1 Orbits</p>						
	<p>(Jupiter_24C (11)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED</p> <p>(F631N (11.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (11.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (11.002)) 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>(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</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(F343N (11.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (11.008)) 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 (11.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Jupiter_24C (11)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH
<p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Jupiter maps</i></p>							

Proposal 17294 - Jupiter 24C (11) - 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	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24C (11)	4 Secs (4 Secs) [==>]	[1]
	2	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_24C (11)	45 Secs (45 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24C (11)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24C (11)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24C (11)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24C (11)	8 Secs (8 Secs) [==>]	[1]
	7	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24C (11)	6 Secs (6 Secs) [==>]	[1]
	8	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24C (11)	30 Secs (30 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24C (11)	4 Secs (4 Secs) [==>]	[1]



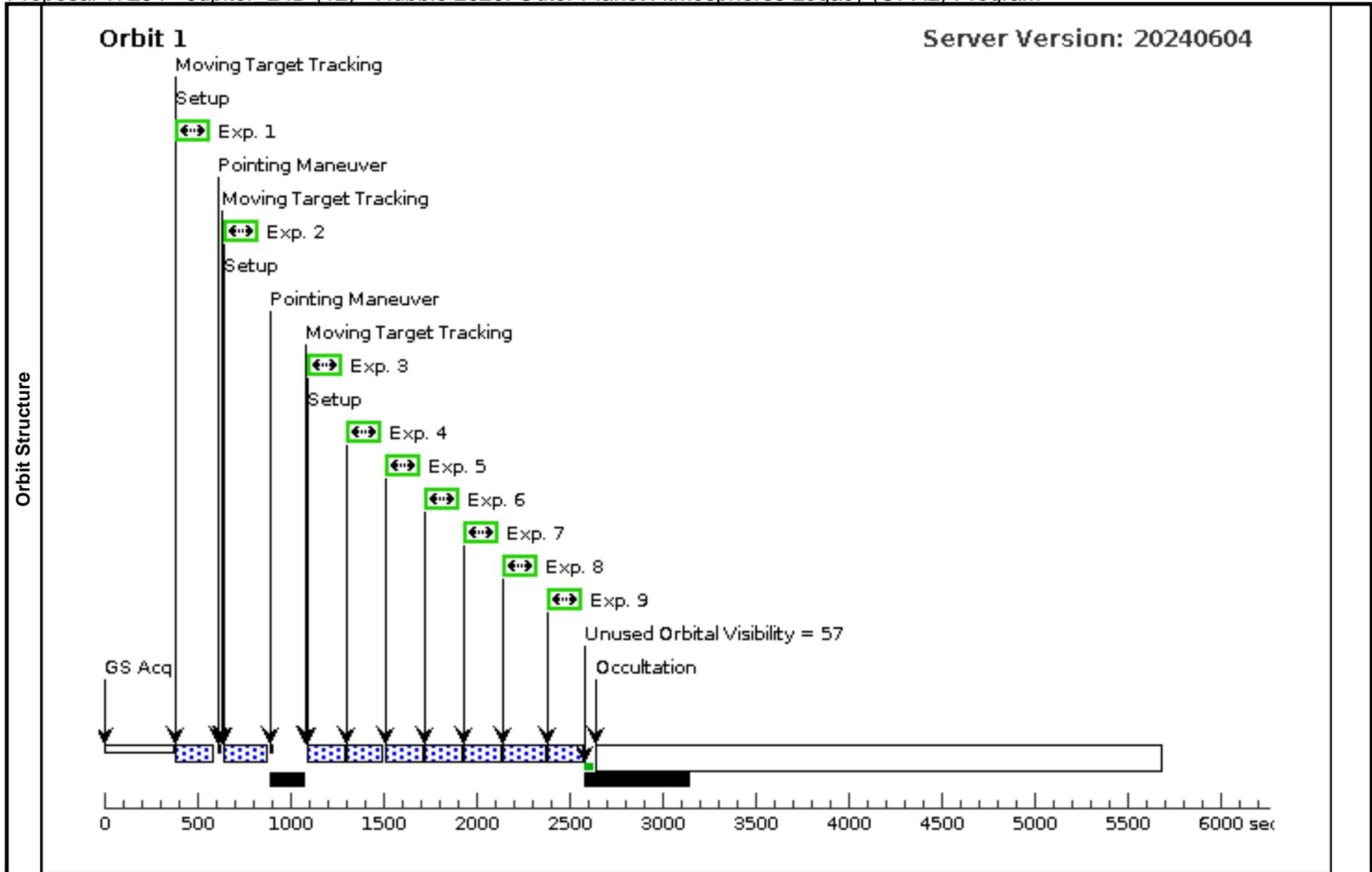
Proposal 17294 - Jupiter 24D (12) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Jupiter_24D (12), scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 11 BY .9 Orbits TO 1.1 Orbits</p>																				
	<p>(Jupiter_24D (12)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED</p> <p>(F631N (12.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (12.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (12.002)) 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>(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</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(F343N (12.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (12.008)) 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 (12.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Jupiter_24D (12)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																				
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>(1)</td> <td>JUPITER-MAPS</td> <td>STD=JUPITER</td> <td></td> <td></td> <td>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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D</td> <td>EARTH</td> </tr> </tbody> </table>							#	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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH
	#	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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH															
<p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Jupiter maps</i></p>																					

Proposal 17294 - Jupiter 24D (12) - 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	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24D (12)	4 Secs (4 Secs) [==>]	[1]
	2	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_24D (12)	45 Secs (45 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24D (12)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24D (12)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24D (12)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24D (12)	8 Secs (8 Secs) [==>]	[1]
	7	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24D (12)	6 Secs (6 Secs) [==>]	[1]
	8	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24D (12)	30 Secs (30 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24D (12)	4 Secs (4 Secs) [==>]	[1]



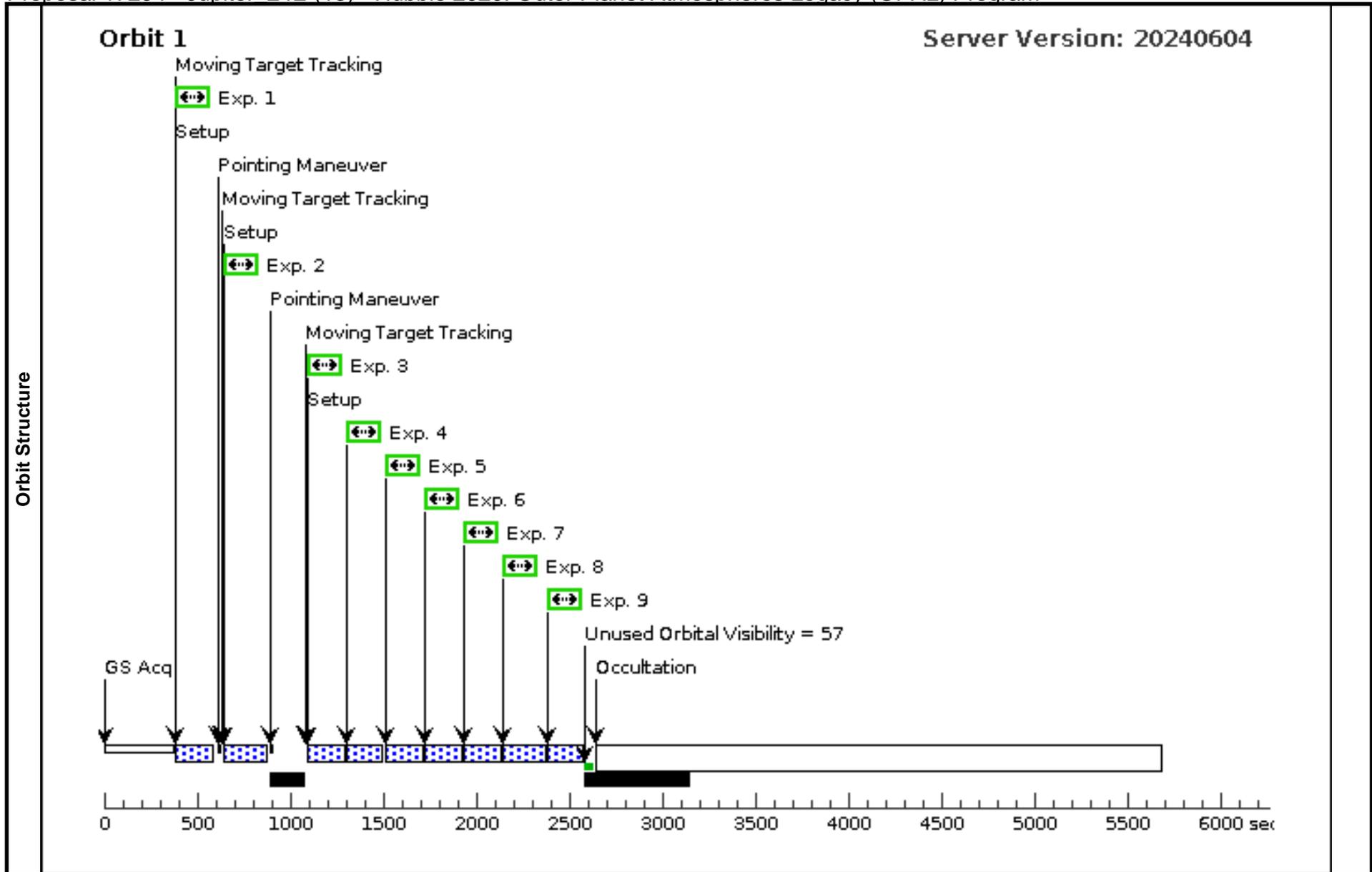
Proposal 17294 - Jupiter 24E (13) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Jupiter_24E (13), scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 12 BY .9 Orbits TO 1.1 Orbits</p>						
	<p>(Jupiter_24E (13)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED</p> <p>(F631N (13.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (13.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (13.002)) 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>(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</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(F343N (13.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (13.008)) 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 (13.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Jupiter_24E (13)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH
<p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Jupiter maps</i></p>							

Proposal 17294 - Jupiter 24E (13) - 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	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24E (13)	4 Secs (4 Secs) [==>]	[1]
	2	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_24E (13)	45 Secs (45 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24E (13)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24E (13)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24E (13)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24E (13)	8 Secs (8 Secs) [==>]	[1]
	7	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24E (13)	6 Secs (6 Secs) [==>]	[1]
	8	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24E (13)	30 Secs (30 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24E (13)	4 Secs (4 Secs) [==>]	[1]



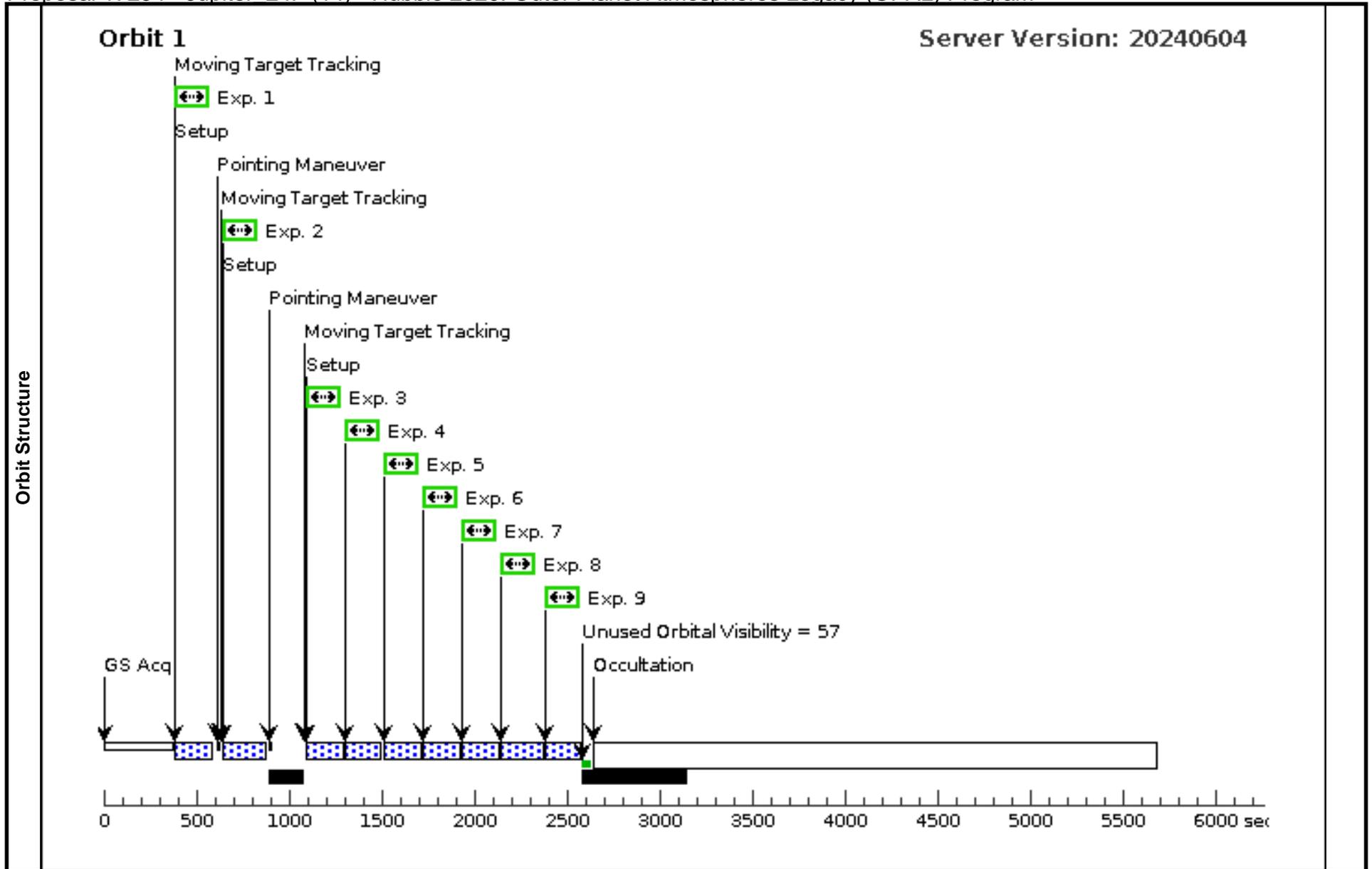
Proposal 17294 - Jupiter 24F (14) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Jupiter_24F (14), scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 13 BY .9 Orbits TO 1.1 Orbits</p>						
	<p>(Jupiter_24F (14)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED</p> <p>(F631N (14.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (14.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (14.002)) 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>(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</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(F343N (14.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (14.008)) 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 (14.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Jupiter_24F (14)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH
<p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Jupiter maps</i></p>							

Proposal 17294 - Jupiter 24F (14) - 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	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24F (14)	4 Secs (4 Secs) [==>]	[1]
	2	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_24F (14)	45 Secs (45 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24F (14)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24F (14)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24F (14)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24F (14)	8 Secs (8 Secs) [==>]	[1]
	7	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24F (14)	6 Secs (6 Secs) [==>]	[1]
	8	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24F (14)	30 Secs (30 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24F (14)	4 Secs (4 Secs) [==>]	[1]



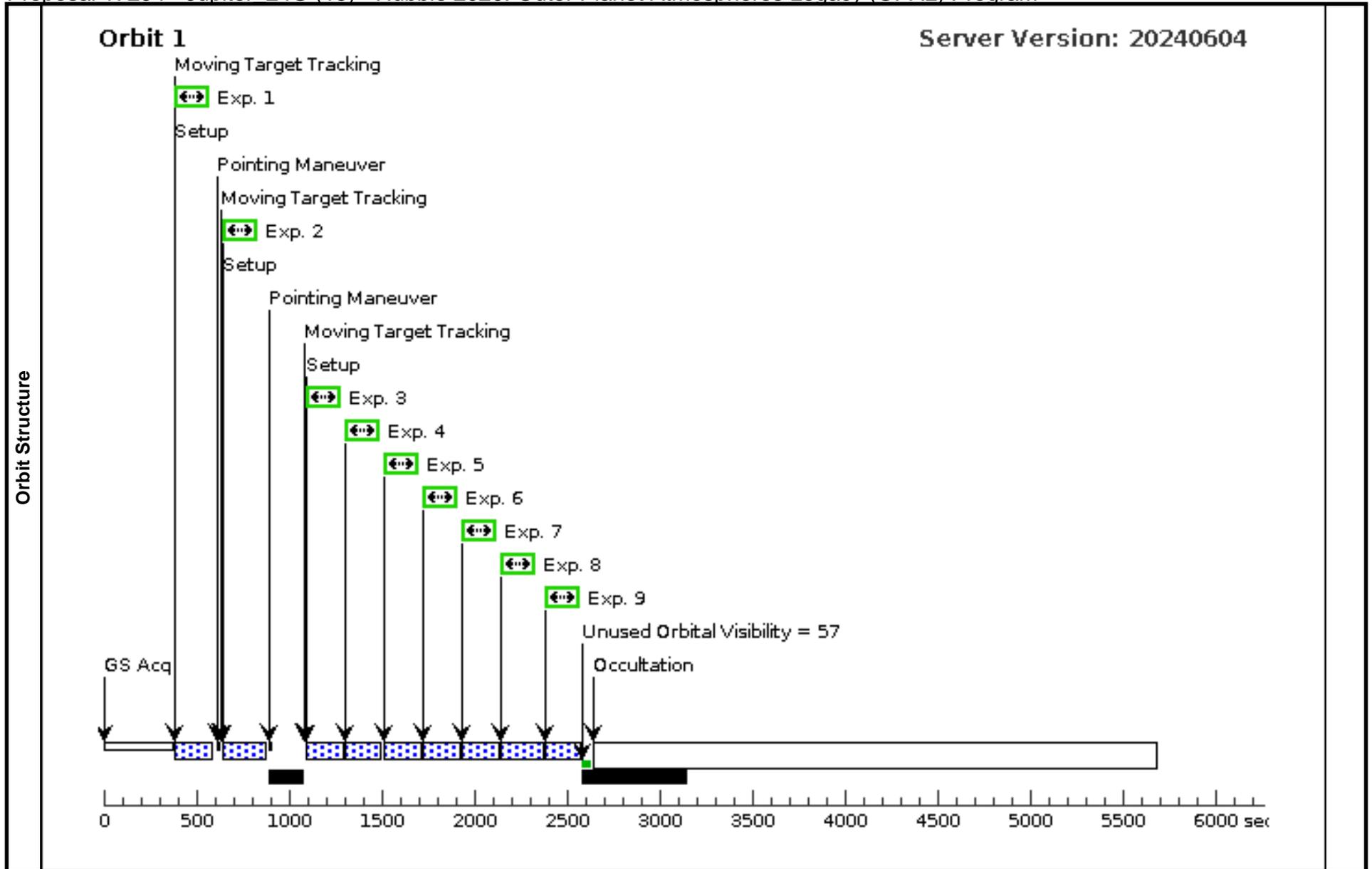
Proposal 17294 - Jupiter 24G (15) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Jupiter_24G (15), scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 14 BY .9 Orbits TO 1.1 Orbits</p>						
	<p>(Jupiter_24G (15)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED</p> <p>(F631N (15.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (15.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (15.002)) 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>(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</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(F343N (15.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (15.008)) 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 (15.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Jupiter_24G (15)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH
<p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Jupiter maps</i></p>							

Proposal 17294 - Jupiter 24G (15) - 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	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24G (15)	4 Secs (4 Secs) [==>]	[1]
	2	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_24G (15)	45 Secs (45 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24G (15)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24G (15)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24G (15)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24G (15)	8 Secs (8 Secs) [==>]	[1]
	7	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24G (15)	6 Secs (6 Secs) [==>]	[1]
	8	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24G (15)	30 Secs (30 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24G (15)	4 Secs (4 Secs) [==>]	[1]



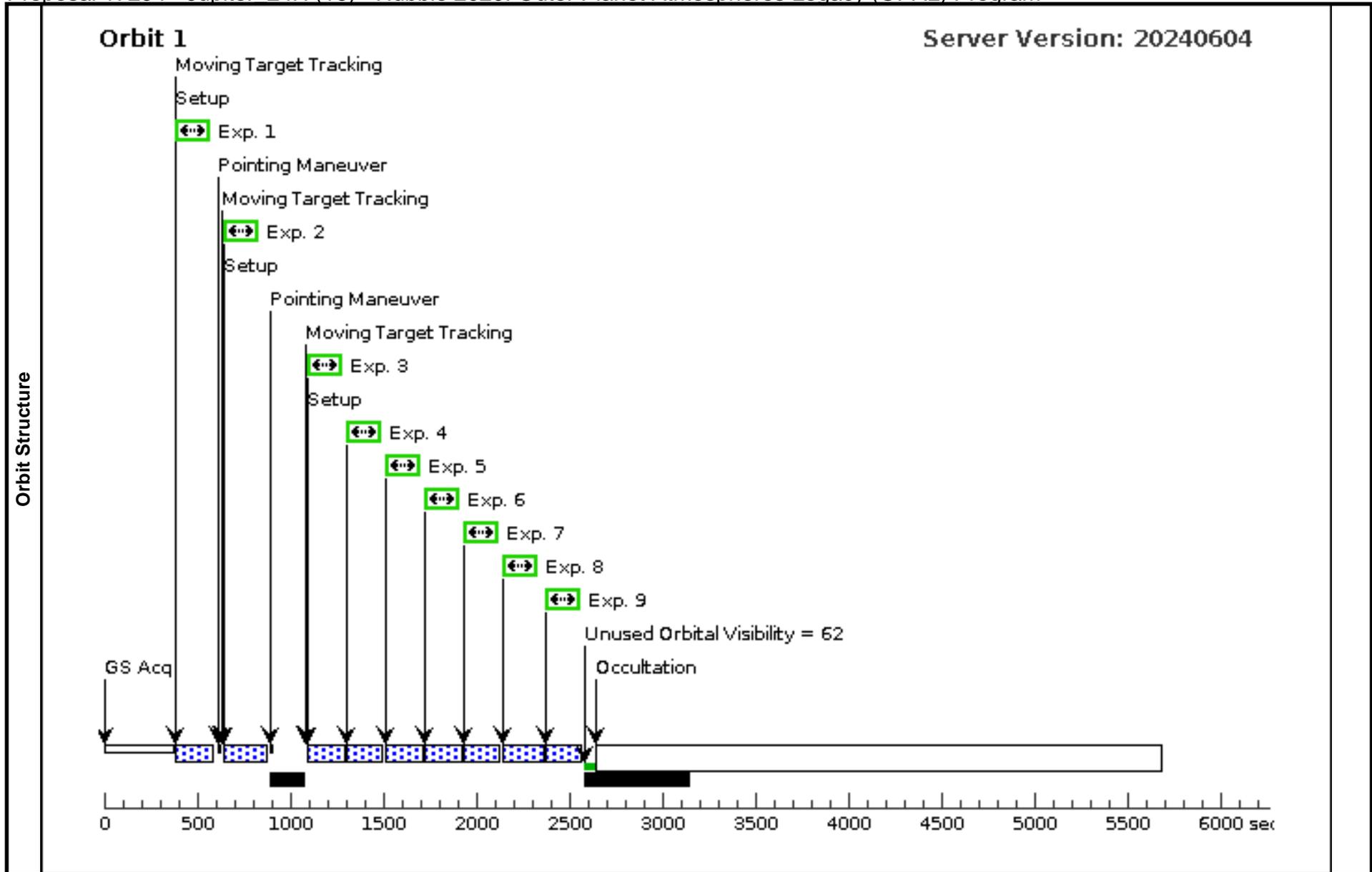
Proposal 17294 - Jupiter 24H (16) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Jupiter_24H (16), scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 15 BY .9 Orbits TO 1.1 Orbits</p>																				
	Diagnostics	<p>(Jupiter_24H (16)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED</p> <p>(F631N (16.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (16.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (16.002)) 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>(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</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(F547M (16.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (16.008)) 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 (16.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Jupiter_24H (16)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																			
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>(1)</td> <td>JUPITER-MAPS</td> <td>STD=JUPITER</td> <td></td> <td></td> <td>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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D</td> <td>EARTH</td> </tr> </tbody> </table>							#	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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D
	#	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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH															
<p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Jupiter maps</i></p>																					

Proposal 17294 - Jupiter 24H (16) - 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	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24H (16)	4 Secs (4 Secs) [==>]	[1]
	2	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_24H (16)	45 Secs (45 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24H (16)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24H (16)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24H (16)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24H (16)	8 Secs (8 Secs) [==>]	[1]
	7	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24H (16)	.5 Secs (0.5 Secs) [==>]	[1]
	8	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24H (16)	30 Secs (30 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24H (16)	4 Secs (4 Secs) [==>]	[1]



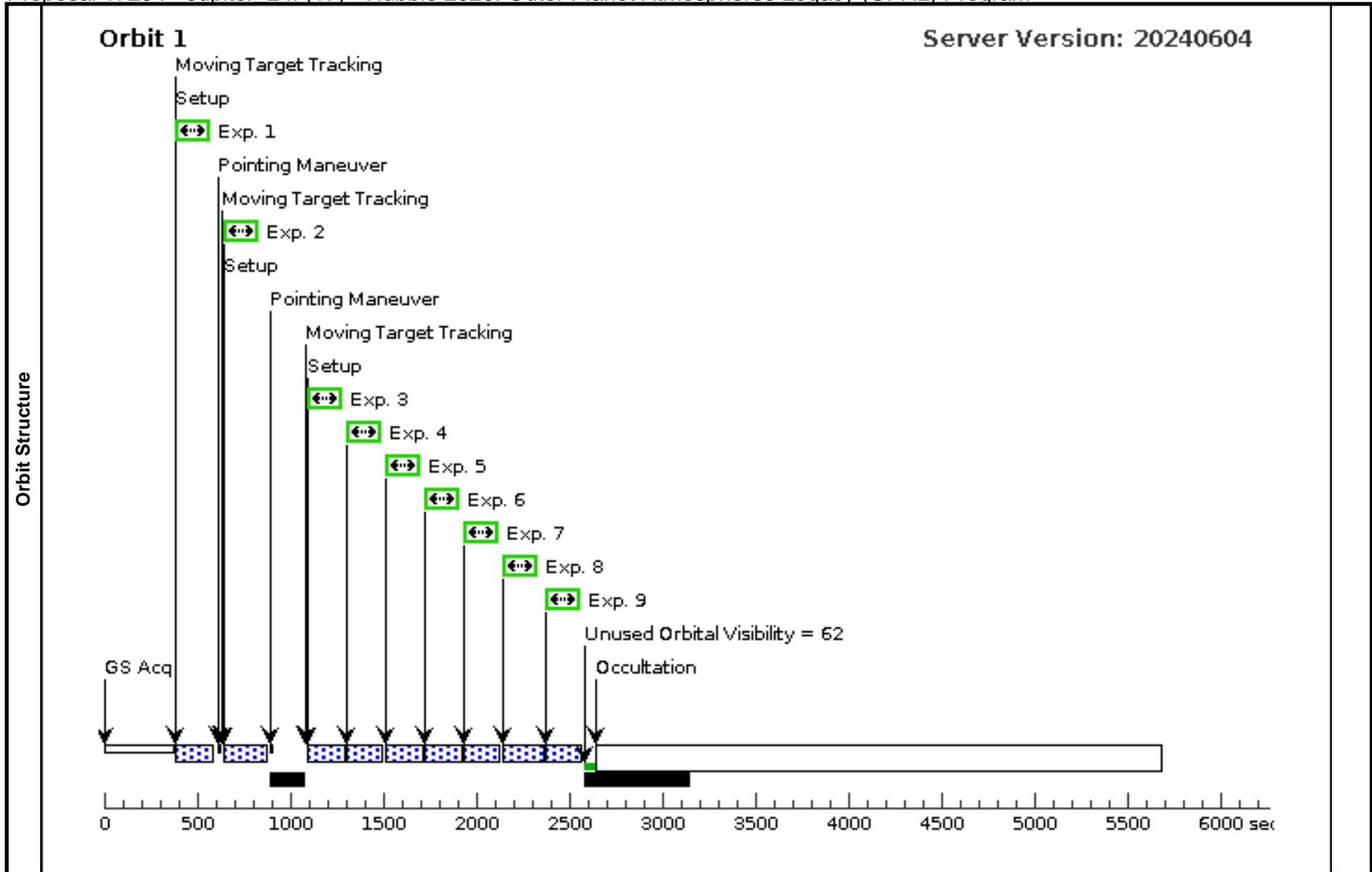
Proposal 17294 - Jupiter 24I (17) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Jupiter_24I (17), scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 16 BY .9 Orbits TO 1.1 Orbits</p>																				
	Diagnostics	<p>(Jupiter_24I (17)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED</p> <p>(F631N (17.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (17.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (17.002)) 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>(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</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(F547M (17.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (17.008)) 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 (17.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Jupiter_24I (17)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																			
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>(1)</td> <td>JUPITER-MAPS</td> <td>STD=JUPITER</td> <td></td> <td></td> <td>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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D</td> <td>EARTH</td> </tr> </tbody> </table>							#	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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D
	#	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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH															
<p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Jupiter maps</i></p>																					

Proposal 17294 - Jupiter 24I (17) - 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	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24I (17)	4 Secs (4 Secs) [==>]	[1]
	2	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_24I (17)	45 Secs (45 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24I (17)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24I (17)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24I (17)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24I (17)	8 Secs (8 Secs) [==>]	[1]
	7	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24I (17)	.5 Secs (0.5 Secs) [==>]	[1]
	8	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24I (17)	30 Secs (30 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24I (17)	4 Secs (4 Secs) [==>]	[1]



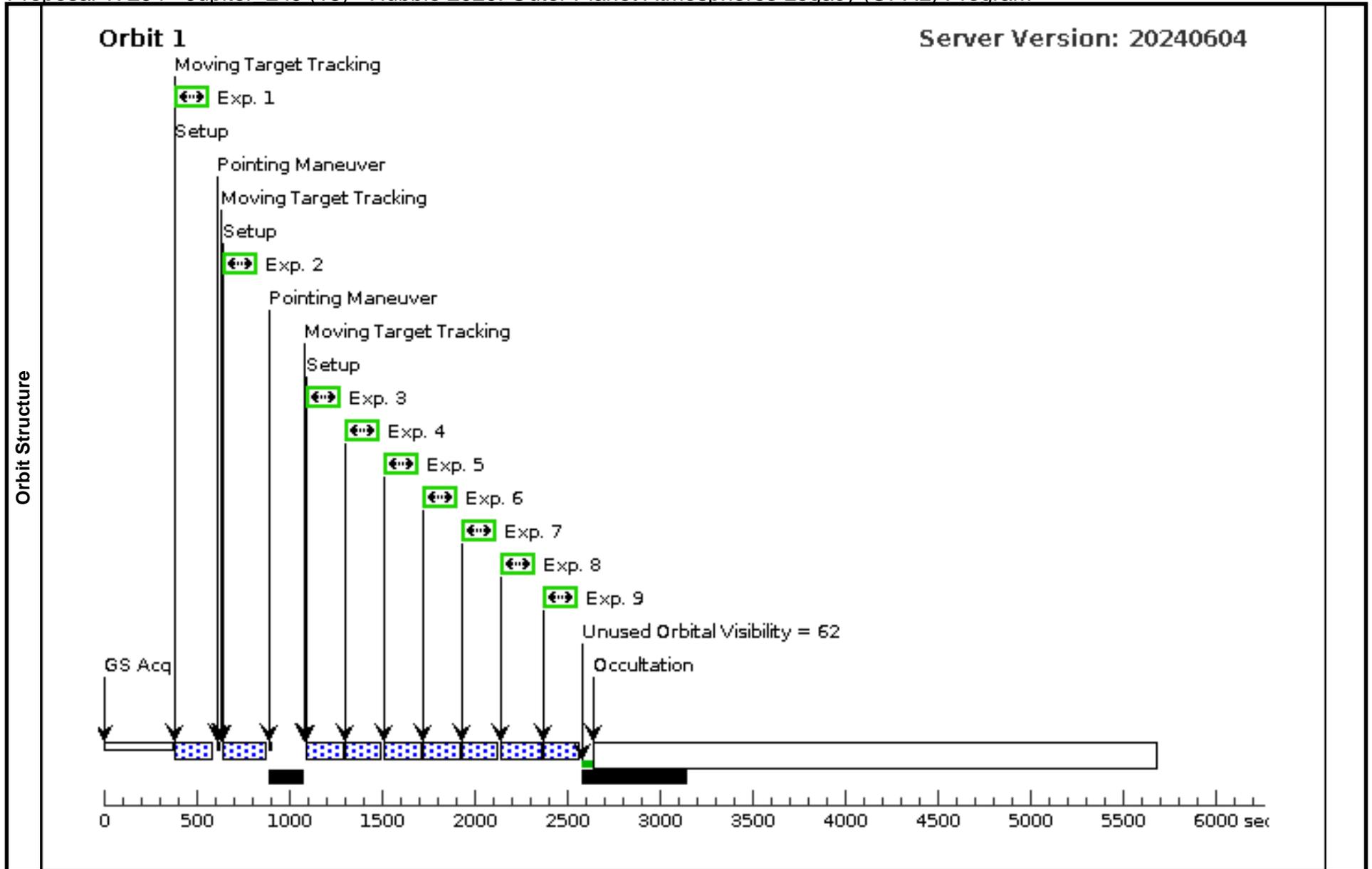
Proposal 17294 - Jupiter 24J (18) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Jupiter_24J (18), scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 17 BY .9 Orbits TO 1.1 Orbits</p>																			
	<p>(Jupiter_24J (18)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED</p> <p>(F631N (18.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (18.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (18.002)) 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>(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</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(F547M (18.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (18.008)) 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 (18.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Jupiter_24J (18)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																			
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	#	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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH														
<p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Jupiter maps</i></p>																				

Proposal 17294 - Jupiter 24J (18) - 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	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24J (18)	4 Secs (4 Secs) [==>]	[1]
	2	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_24J (18)	45 Secs (45 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24J (18)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24J (18)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24J (18)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24J (18)	8 Secs (8 Secs) [==>]	[1]
	7	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24J (18)	.5 Secs (0.5 Secs) [==>]	[1]
	8	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24J (18)	30 Secs (30 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24J (18)	4 Secs (4 Secs) [==>]	[1]



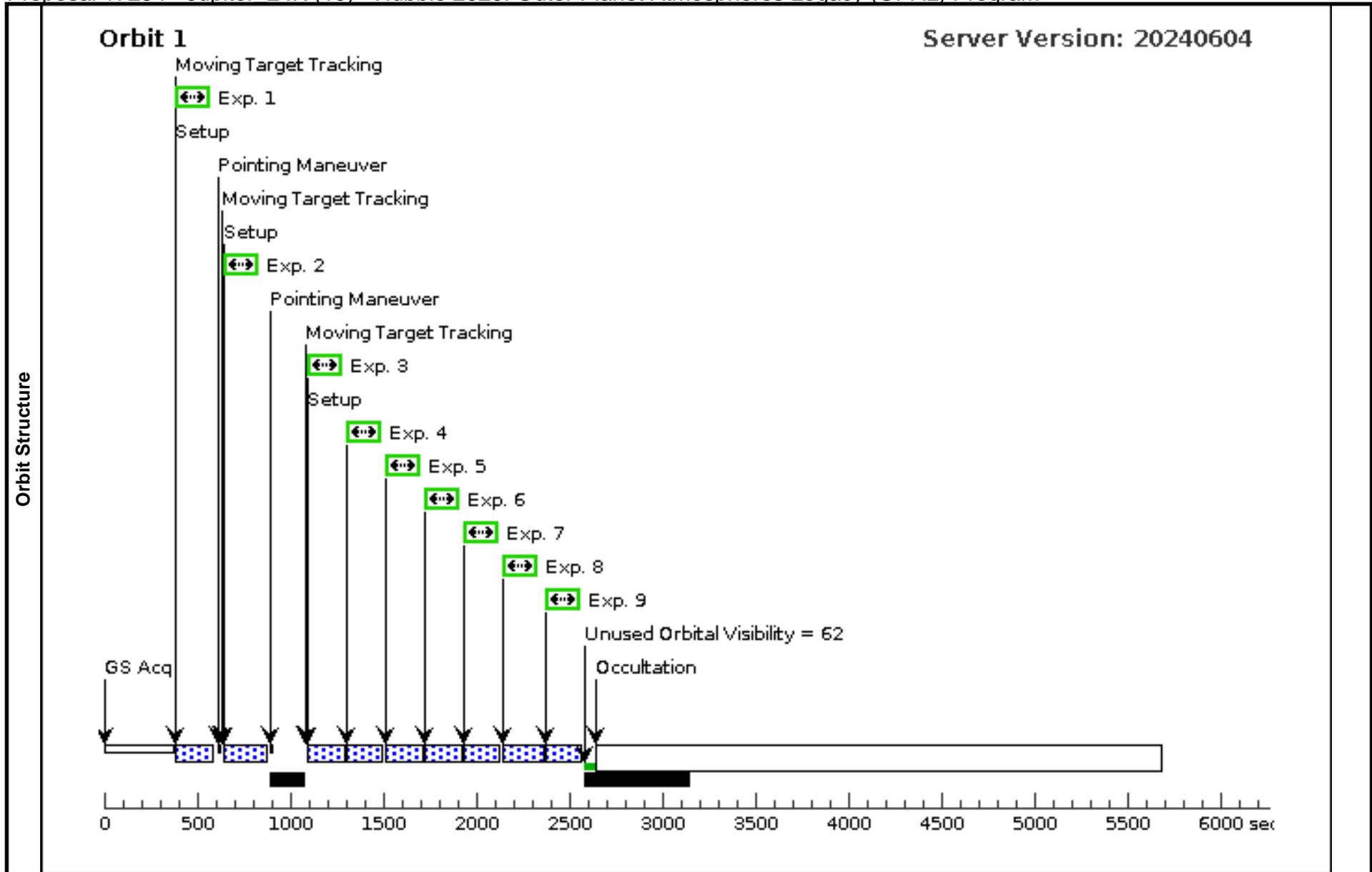
Proposal 17294 - Jupiter 24K (19) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Jupiter_24K (19), scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 18 BY .9 Orbits TO 1.1 Orbits</p>						
	<p>(Jupiter_24K (19)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED</p> <p>(F631N (19.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (19.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (19.002)) 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>(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</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(F547M (19.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (19.008)) 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 (19.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Jupiter_24K (19)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH
<p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Jupiter maps</i></p>							

Proposal 17294 - Jupiter 24K (19) - 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	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24K (19)	4 Secs (4 Secs) [==>]	[1]
	2	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_24K (19)	45 Secs (45 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24K (19)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24K (19)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24K (19)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24K (19)	8 Secs (8 Secs) [==>]	[1]
	7	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24K (19)	.5 Secs (0.5 Secs) [==>]	[1]
	8	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24K (19)	30 Secs (30 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24K (19)	4 Secs (4 Secs) [==>]	[1]



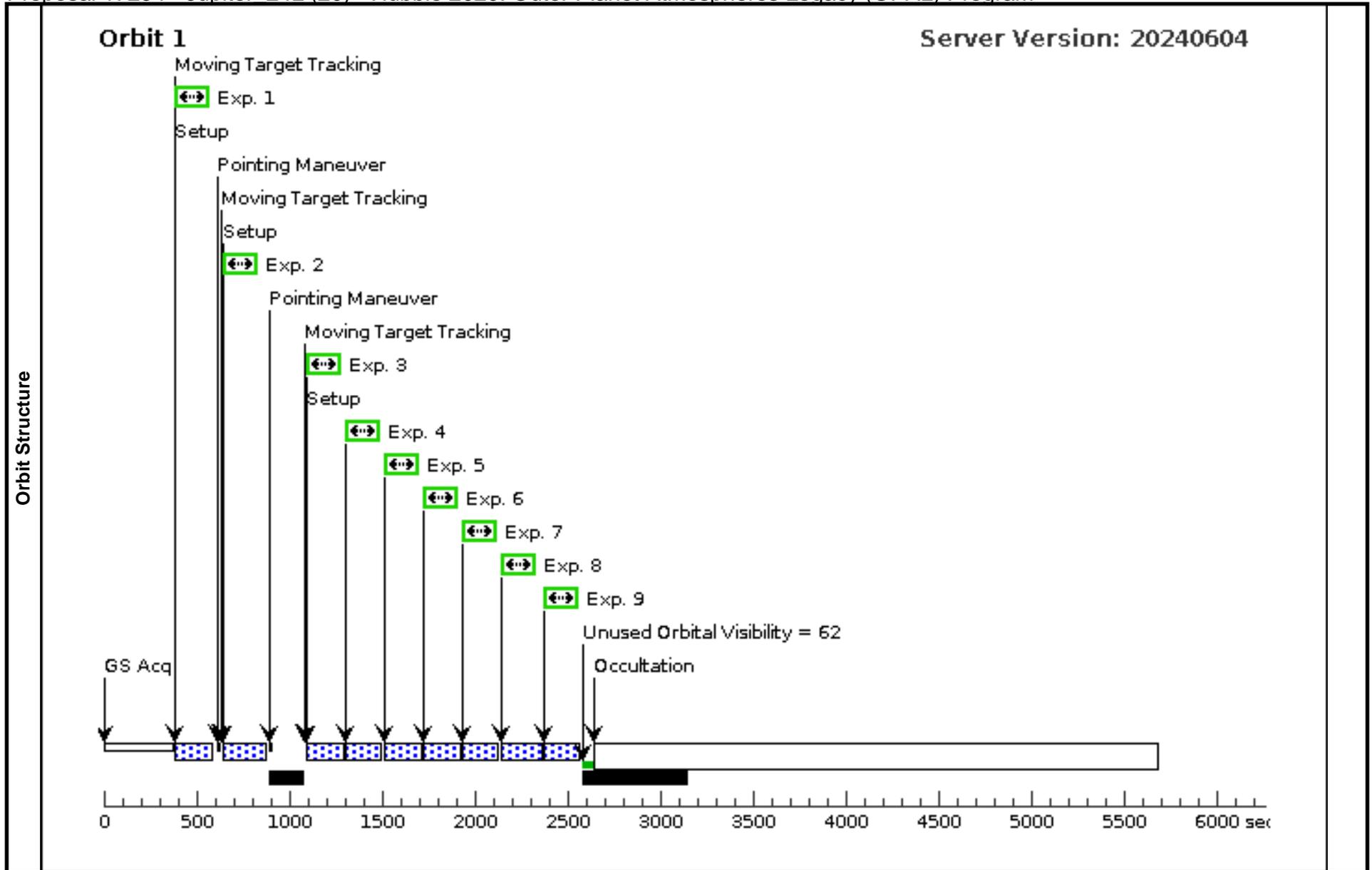
Proposal 17294 - Jupiter 24L (20) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Jupiter_24L (20), scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 19 BY .9 Orbits TO 1.1 Orbits</p>						
	<p>(Jupiter_24L (20)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED</p> <p>(F631N (20.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (20.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (20.002)) 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>(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</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(F547M (20.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (20.008)) 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 (20.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Jupiter_24L (20)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH
<p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Jupiter maps</i></p>							

Proposal 17294 - Jupiter 24L (20) - 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	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24L (20)	4 Secs (4 Secs) [==>]	[1]
	2	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_24L (20)	45 Secs (45 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24L (20)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24L (20)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24L (20)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24L (20)	8 Secs (8 Secs) [==>]	[1]
	7	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24L (20)	.5 Secs (0.5 Secs) [==>]	[1]
	8	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24L (20)	30 Secs (30 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24L (20)	4 Secs (4 Secs) [==>]	[1]



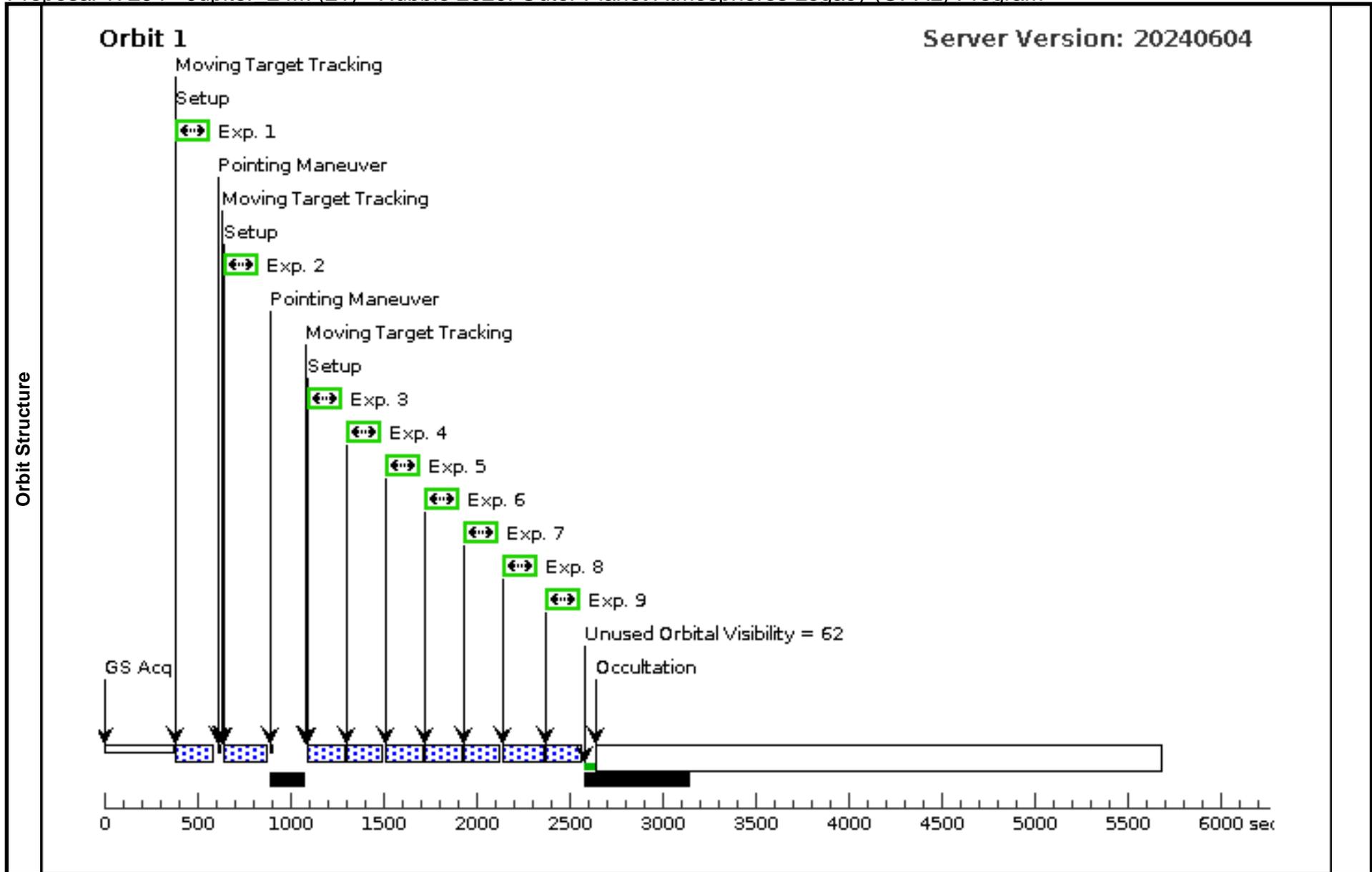
Proposal 17294 - Jupiter 24M (21) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Jupiter_24M (21), scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 20 BY .9 Orbits TO 1.1 Orbits</p>						
	<p>(Jupiter_24M (21)) Warning (Orbit Planner): WFC3 EXPOSURE TIME ADJUSTED</p> <p>(F631N (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>(FQ889_quadA (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>(FQ889_quadA (21.002)) 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>(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>(F547M (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>(F275W (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> <p>(Jupiter_24M (21)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</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, SEP OF JUPITER-MAPS SUN FROM EARTH LT 168D	EARTH
<p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Jupiter maps</i></p>							

Proposal 17294 - Jupiter 24M (21) - 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	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24M (21)	4 Secs (4 Secs) [==>]	[1]
	2	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_24M (21)	45 Secs (45 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24M (21)	3 Secs (3 Secs) [==>]	[1]
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24M (21)	10 Secs (10 Secs) [==>]	[1]
	5	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24M (21)	1.2 Secs (1.2 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24M (21)	8 Secs (8 Secs) [==>]	[1]
	7	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24M (21)	.5 Secs (0.5 Secs) [==>]	[1]
	8	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_24M (21)	30 Secs (30 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_24M (21)	4 Secs (4 Secs) [==>]	[1]



Proposal 17294 - Neptune 24A (22) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

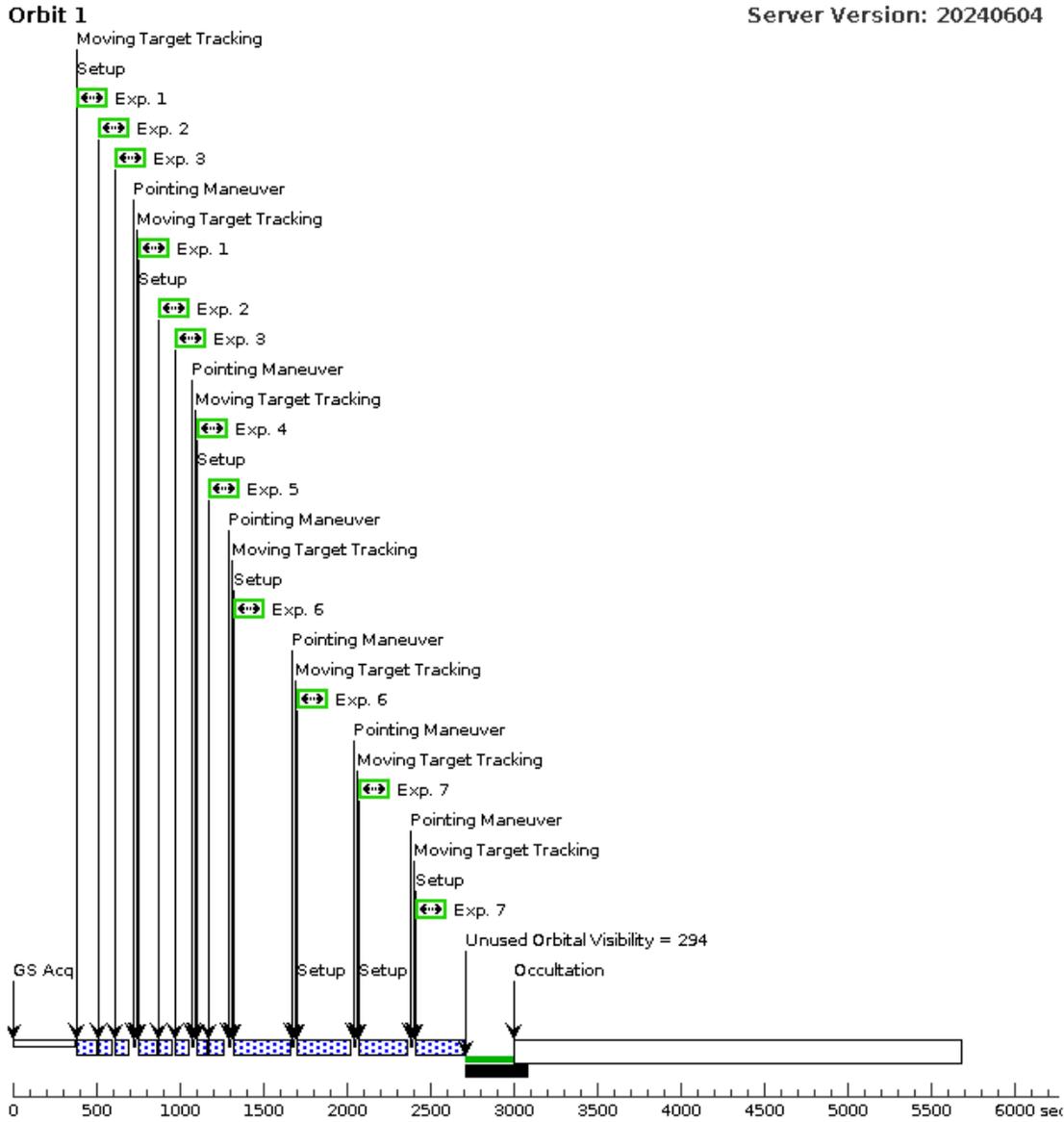
Visit	<p>Proposal 17294, Neptune_24A (22), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 20-AUG-2024:00:00:00 AND 20-OCT-2024:00:00:00; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p> <p><i>Comments: 8 orbits, with 2-orbit gaps between all visits to satisfy observatory thermal constraints when target is > 168 deg from the Sun. A larger separation between orbits D/E (visits 25/26) is OK between Neptune rotations. Impingement into SAA is OK if the above timing gaps cannot prevent it. We can tolerate gyro bias updates to ease the contiguous orbit constraints, and will work with our program contacts to fit them in. 3-gyro mode may be necessary as this is a moving target.</i></p> <p><i>Neptune Opposition (2024-SEP-20) +/- 30 days preferred.</i></p> <p>TRIMMING RULES</p> <p><i>These are suggested actions to trim time from orbits in case of reduced visibility (for Neptune, gyro bias should not be a concern because no orbits are consecutive). Please try these in order:</i></p> <ol style="list-style-type: none"> <i>1. Pull the F763M exposure out of the pattern (i.e., only take 1 frame of data not 2). Can be done on a visit-by-visit basis as needed.</i> <i>2. Pull the FQ619N exposure out of its pattern and delete the pattern (i.e., only take 1 frame of data not 2). Can be done on a visit-by-visit basis as needed.</i> <i>3. Pull the FQ727N exposure out of its pattern and delete the pattern (i.e., only take 1 frame of data not 2). Can be done on a visit-by-visit basis as needed.</i> <i>4. Delete FQ619N entirely. Can be done on a visit-by-visit basis as needed.</i> 				
	<p>(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</p> <p>(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</p> <p>(F763M (22.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (22.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (22.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (22.006)) 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 (22.006)) 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 (22.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (22.007)) 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>(Neptune 24A (22)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>				
Diagnostics					
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-3), (7)
(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			(6)

Proposal 17294 - Neptune 24A (22) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
		(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH		
	<i>Comments: Description=Global Neptune Maps</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24A (22) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24A (22) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24A (22) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24A (22) (2)	15 Secs (30 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F763M	(4) NEPTUNE-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24A (22) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24A (22) (2)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F547M	(4) NEPTUNE-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24A (22)	6 Secs (6 Secs) [==>]	[1]
	5	F657N	(4) NEPTUNE-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24A (22)	30 Secs (30 Secs) [==>]	[1]
	6	FQ727N_quad	(4) NEPTUNE-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -25,+28	Sequence 1-7 Non-Int in Neptune_24A (22) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_24A (22) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_quad	(4) NEPTUNE-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_24A (22) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_24A (22) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Orbit Structure

Server Version: 20240604



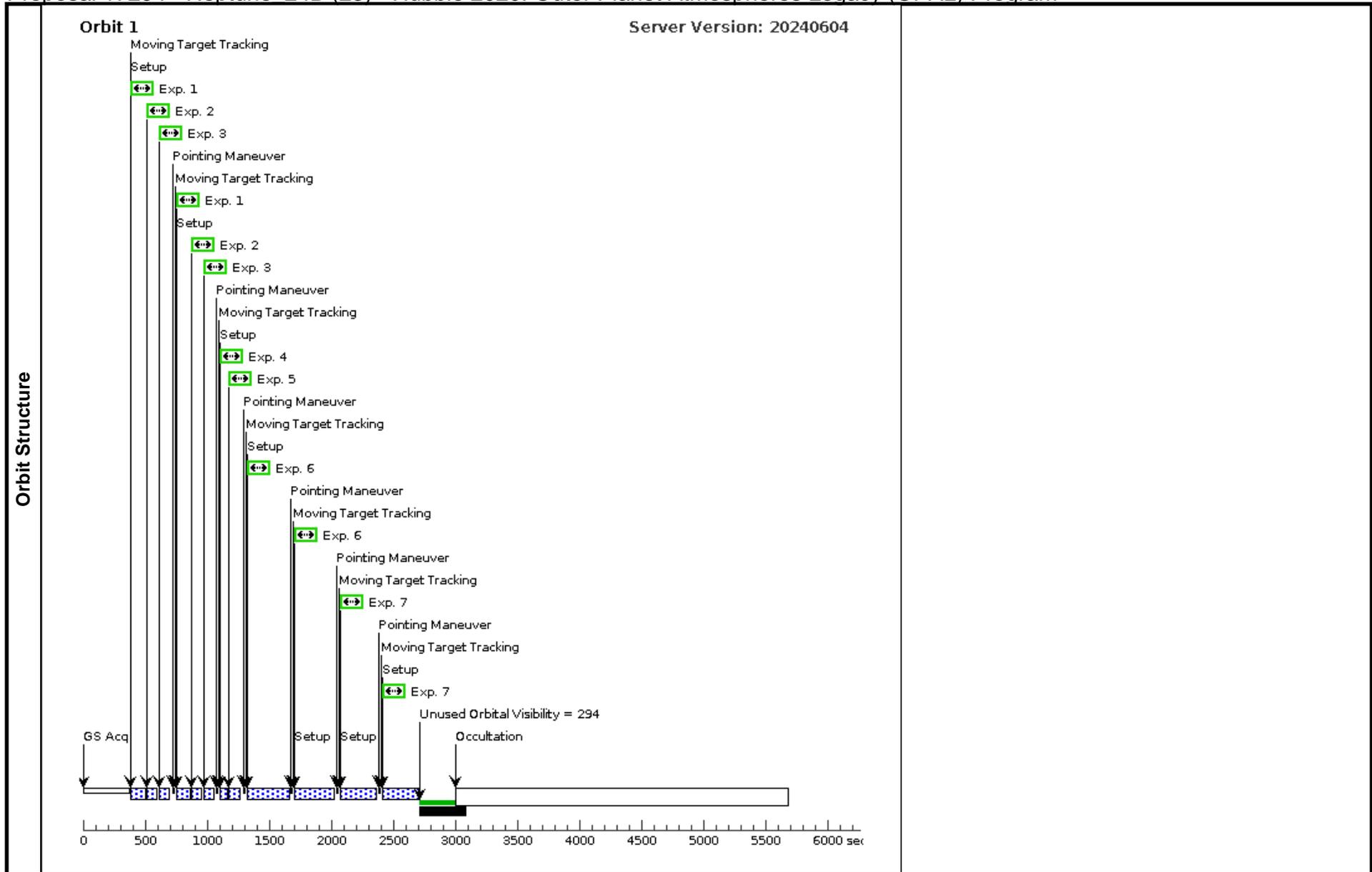
Proposal 17294 - Neptune 24B (23) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	Proposal 17294, Neptune_24B (23), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 22 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET						
	Diagnosics (F845M (23.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (23.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (23.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (23.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (23.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (23.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (23.006)) 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. (FQ619N_quadA (23.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (23.007)) 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. (Neptune_24B (23)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-3), (7)			
	(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	(6)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
Comments: Description=Global Neptune Maps							

Proposal 17294 - Neptune 24B (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		Sequence 1-7 Non-Int in Neptune_24B (23) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24B (23) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24B (23) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24B (23) (2)	15 Secs (30 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24B (23) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24B (23) (2)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24B (23)	6 Secs (6 Secs) [==>]	[1]
	5	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24B (23)	30 Secs (30 Secs) [==>]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -25,+28	Sequence 1-7 Non-Int in Neptune_24B (23) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_24B (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	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_24B (23) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_24B (23) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 17294 - Neptune 24C (24) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

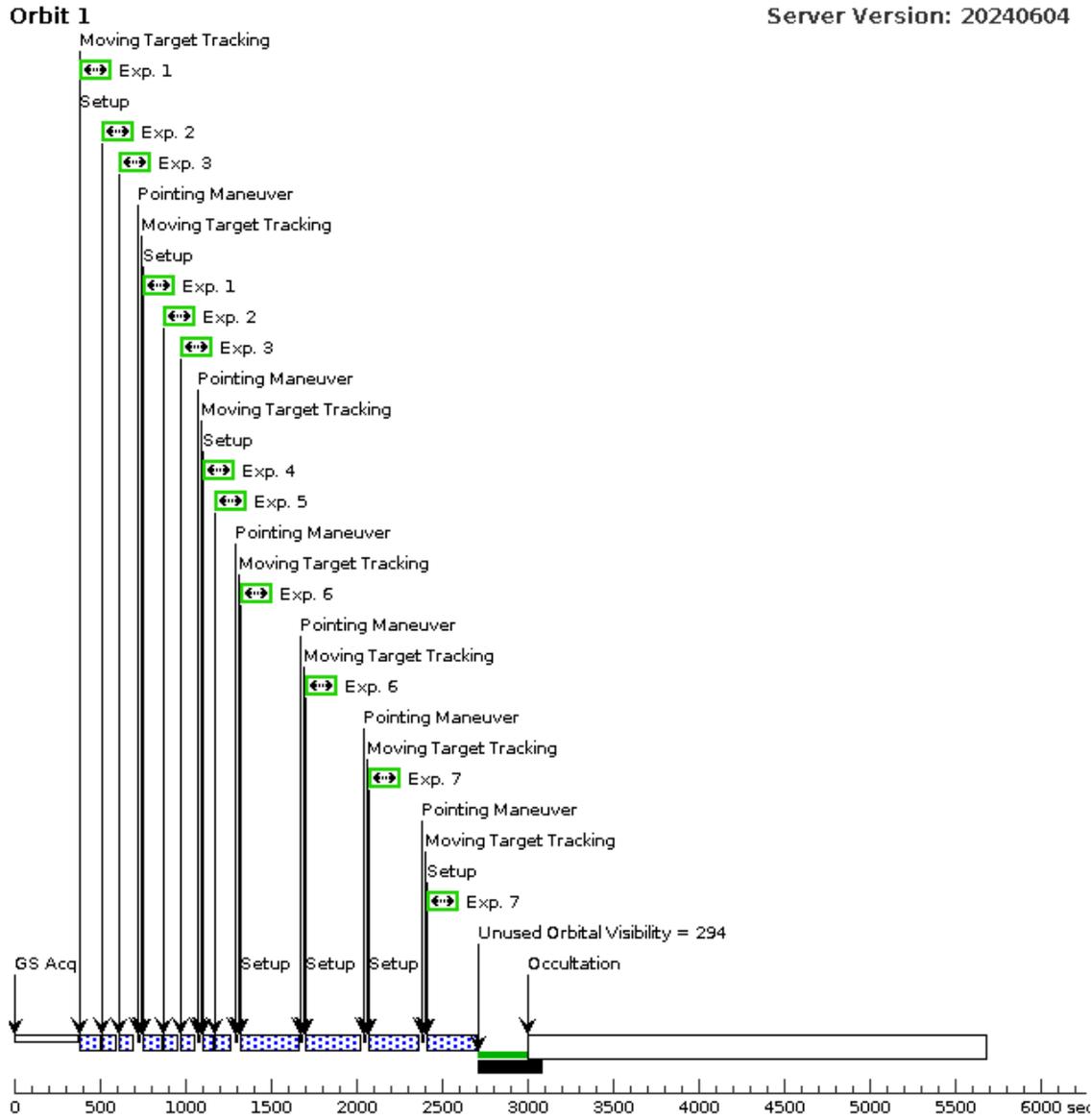
Visit	<p>Proposal 17294, Neptune_24C (24), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 23 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p>						
	<p>(F845M (24.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (24.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (24.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (24.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (24.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (24.006)) 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 (24.006)) 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 (24.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (24.007)) 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>(Neptune_24C (24)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>						
Diagnosics							
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures		
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-3), (7)		
(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	(6)				
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
<p><i>Comments: Description=Global Neptune Maps</i></p>							

Proposal 17294 - Neptune 24C (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		Sequence 1-7 Non-Int in Neptune_24C (24) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24C (24) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24C (24) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24C (24) (2)	15 Secs (30 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24C (24) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24C (24) (2)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24C (24)	6 Secs (6 Secs) [==>]	[1]
	5	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24C (24)	30 Secs (30 Secs) [==>]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -25,+28	Sequence 1-7 Non-Int in Neptune_24C (24) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_24C (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	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_24C (24) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_24C (24) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	

Orbit Structure

Server Version: 20240604



Proposal 17294 - Neptune 24D (25) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

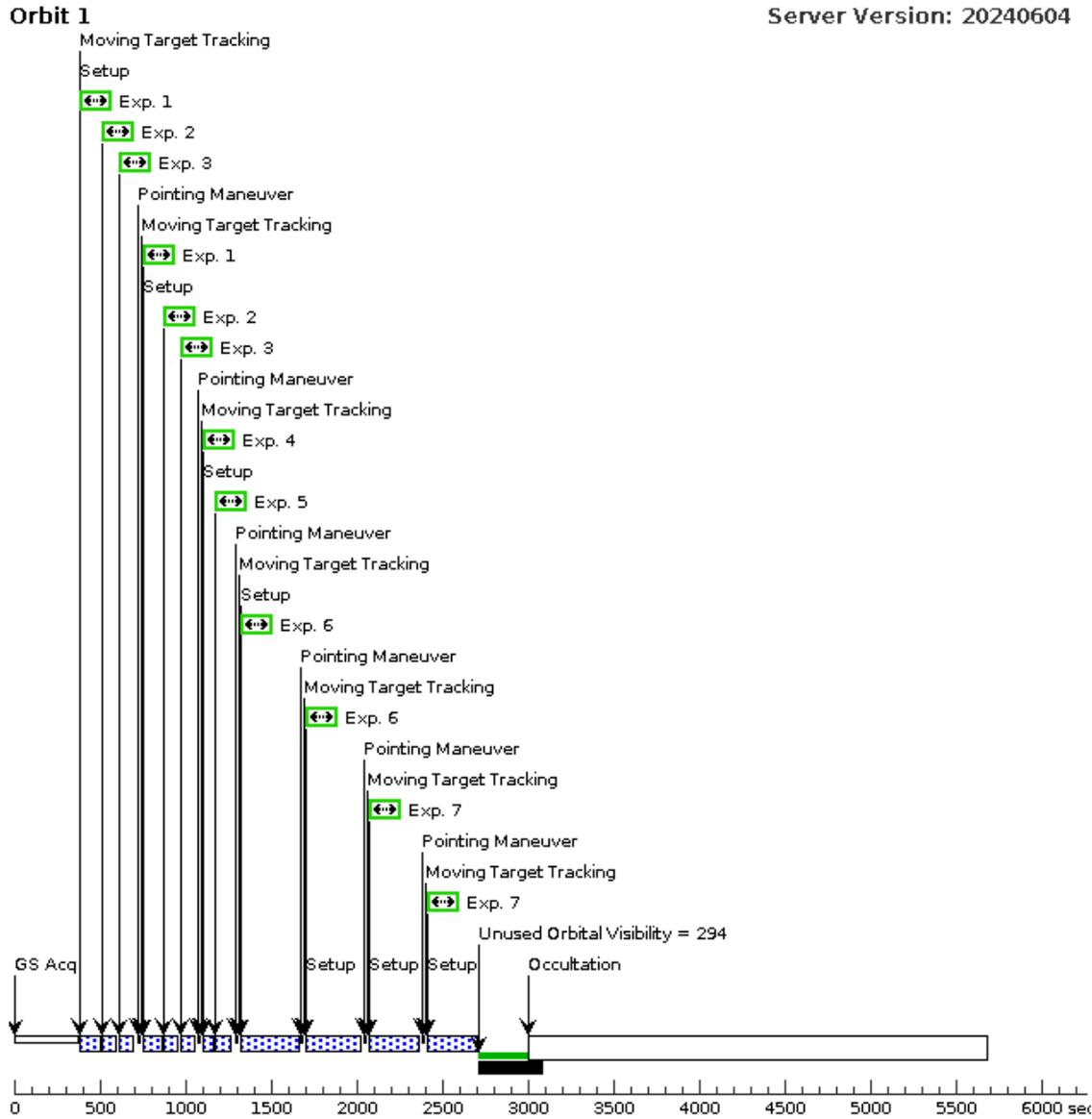
Visit	<p>Proposal 17294, Neptune_24D (25), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 24 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p>						
Diagnostics	<p>(F845M (25.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (25.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (25.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (25.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (25.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (25.006)) 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 (25.006)) 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 (25.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (25.007)) 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>(Neptune_24D (25)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	<p>Pattern Type=WFC3-UVIS-DITHER-LINE</p> <p>Purpose=DITHER</p> <p>Number Of Points=2</p> <p>Point Spacing=0.145</p> <p>Line Spacing=</p>	<p>Coordinate Frame=POS-TARG</p> <p>Pattern Orientation=46.84</p> <p>Angle Between Sides=</p> <p>Center Pattern=false</p>	(1-3), (7)			
	(3)	<p>Pattern Type=WFC3-UVIS-DITHER-LINE</p> <p>Purpose=DITHER</p> <p>Number Of Points=2</p> <p>Point Spacing=0.725</p> <p>Line Spacing=</p>	<p>Coordinate Frame=POS-TARG</p> <p>Pattern Orientation=46.84</p> <p>Angle Between Sides=</p> <p>Center Pattern=false</p>	(6)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH	
<p>Comments: Description=Global Neptune Maps</p>							

Proposal 17294 - Neptune 24D (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		Sequence 1-7 Non-Int in Neptune_24D (25) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24D (25) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24D (25) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24D (25) (2)	15 Secs (30 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24D (25) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24D (25) (2)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24D (25)	6 Secs (6 Secs) [==>]	[1]
	5	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24D (25)	30 Secs (30 Secs) [==>]	[1]
	6	FQ727N_quadD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -25,+28	Sequence 1-7 Non-Int in Neptune_24D (25) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_24D (25) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_quadA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_24D (25) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_24D (25) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Orbit Structure

Server Version: 20240604



Proposal 17294 - Neptune 24E (26) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Neptune_24E (26), failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 25 BY 2.9 Orbits TO 6.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p>						
	<p>(F845M (26.001)) 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 (26.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (26.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (26.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (26.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (26.006)) 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 (26.006)) 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 (26.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (26.007)) 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>(Neptune_24E (26)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>						
Diagnosics							
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures		
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-3), (7)		
(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	(6)				
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
<p><i>Comments: Description=Global Neptune Maps</i></p>							

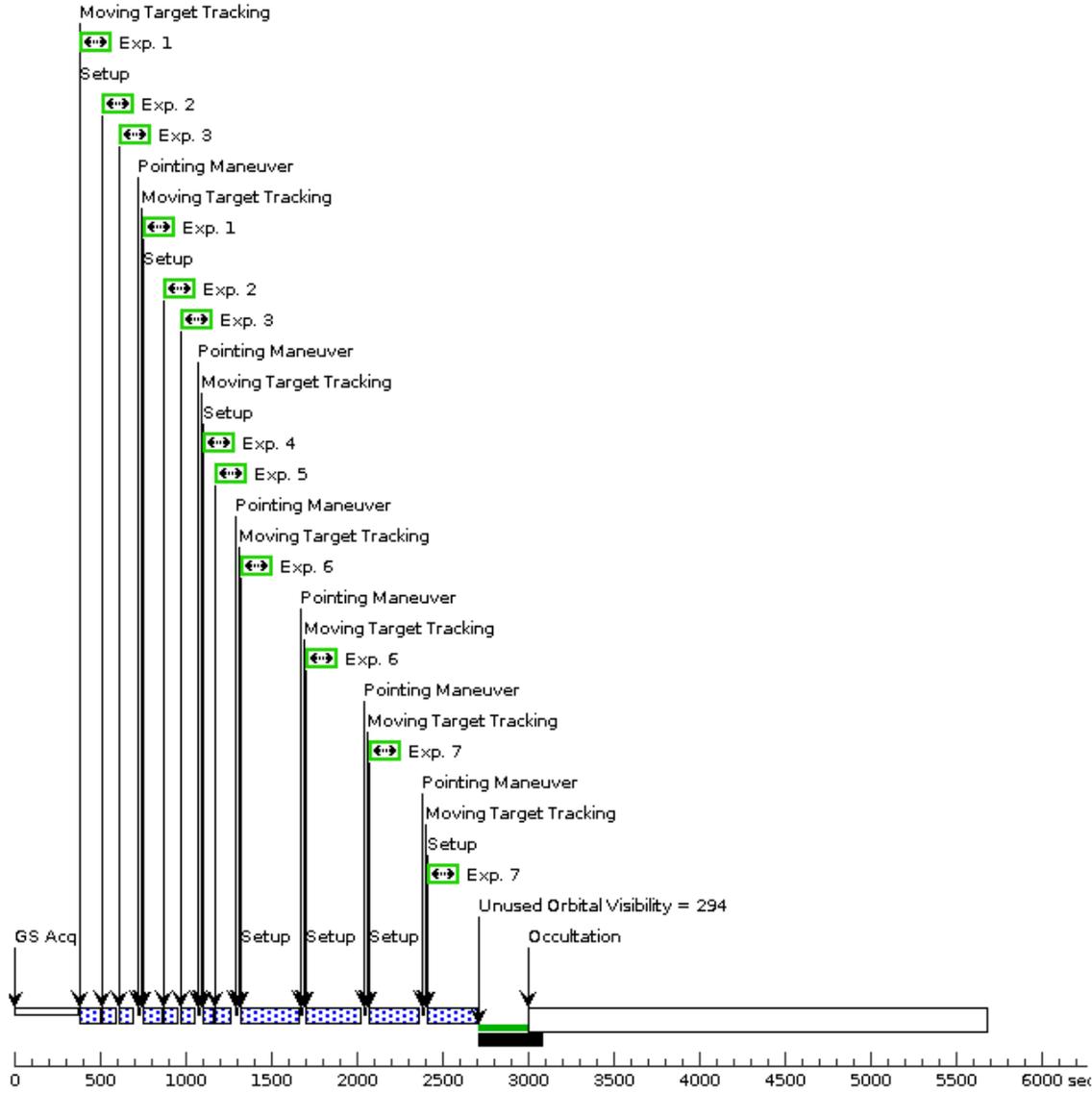
Proposal 17294 - Neptune 24E (26) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

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		Sequence 1-7 Non-Int in Neptune_24E (26) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24E (26) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24E (26) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24E (26) (2)	15 Secs (30 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24E (26) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24E (26) (2)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24E (26)	6 Secs (6 Secs) [==>]	[1]
	5	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24E (26)	30 Secs (30 Secs) [==>]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -25,+28	Sequence 1-7 Non-Int in Neptune_24E (26) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_24E (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	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_24E (26) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_24E (26) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Orbit Structure

Server Version: 20240604

Orbit 1



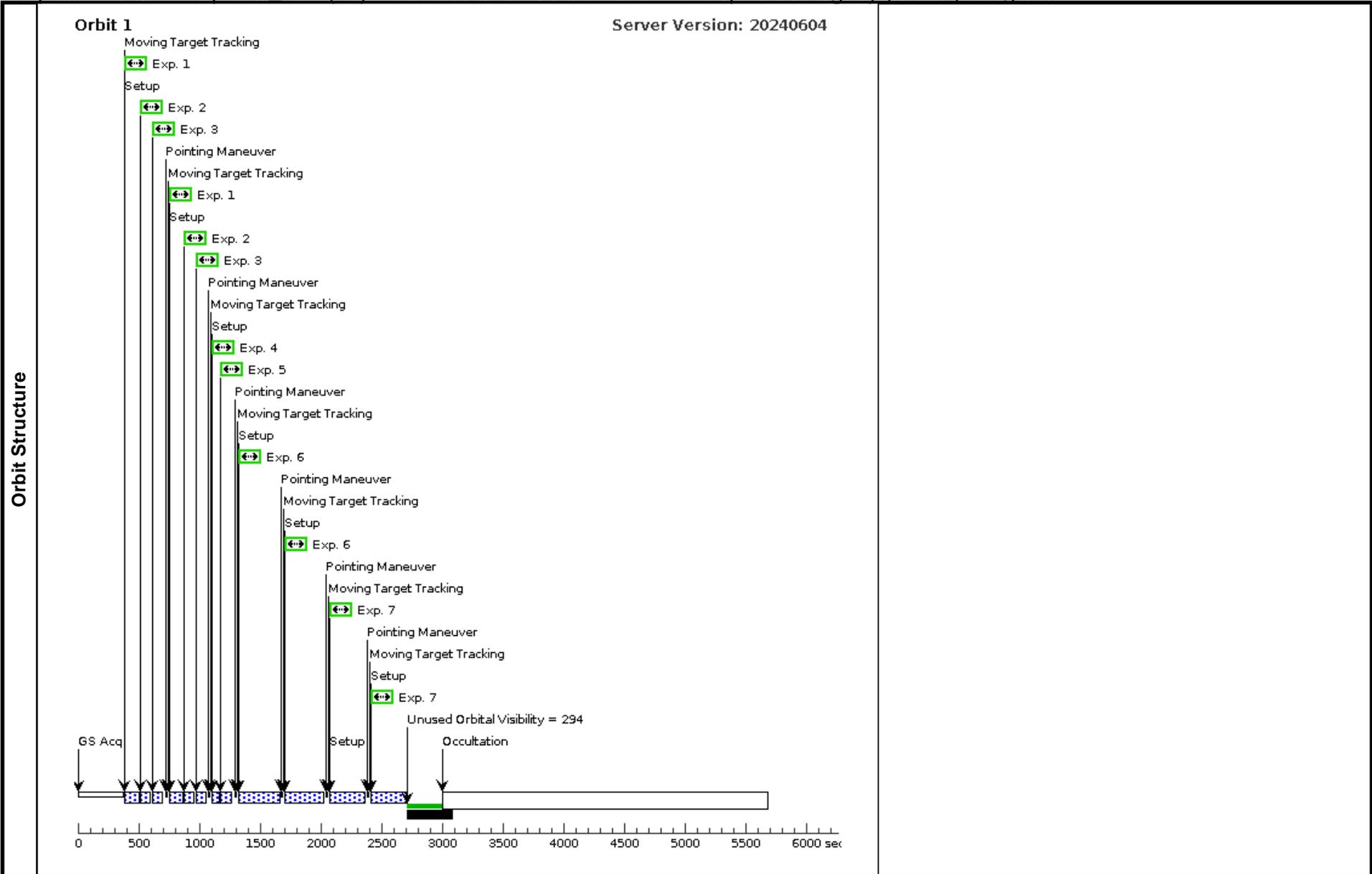
Proposal 17294 - Neptune 24F (27) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Neptune_24F (27), failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 26 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p>						
	<p>(F845M (27.001)) 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 (27.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (27.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (27.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (27.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (27.006)) 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 (27.006)) 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 (27.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (27.007)) 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>(Neptune_24F (27)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>						
Diagnosics							
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures		
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-3), (7)		
(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	(6)				
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
<p><i>Comments: Description=Global Neptune Maps</i></p>							

Proposal 17294 - Neptune 24F (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		Sequence 1-7 Non-Int in Neptune_24F (27) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24F (27) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24F (27) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24F (27) (2)	15 Secs (30 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24F (27) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24F (27) (2)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24F (27)	6 Secs (6 Secs) [==>]	[1]
	5	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24F (27)	30 Secs (30 Secs) [==>]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -25,+28	Sequence 1-7 Non-Int in Neptune_24F (27) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_24F (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	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_24F (27) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_24F (27) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



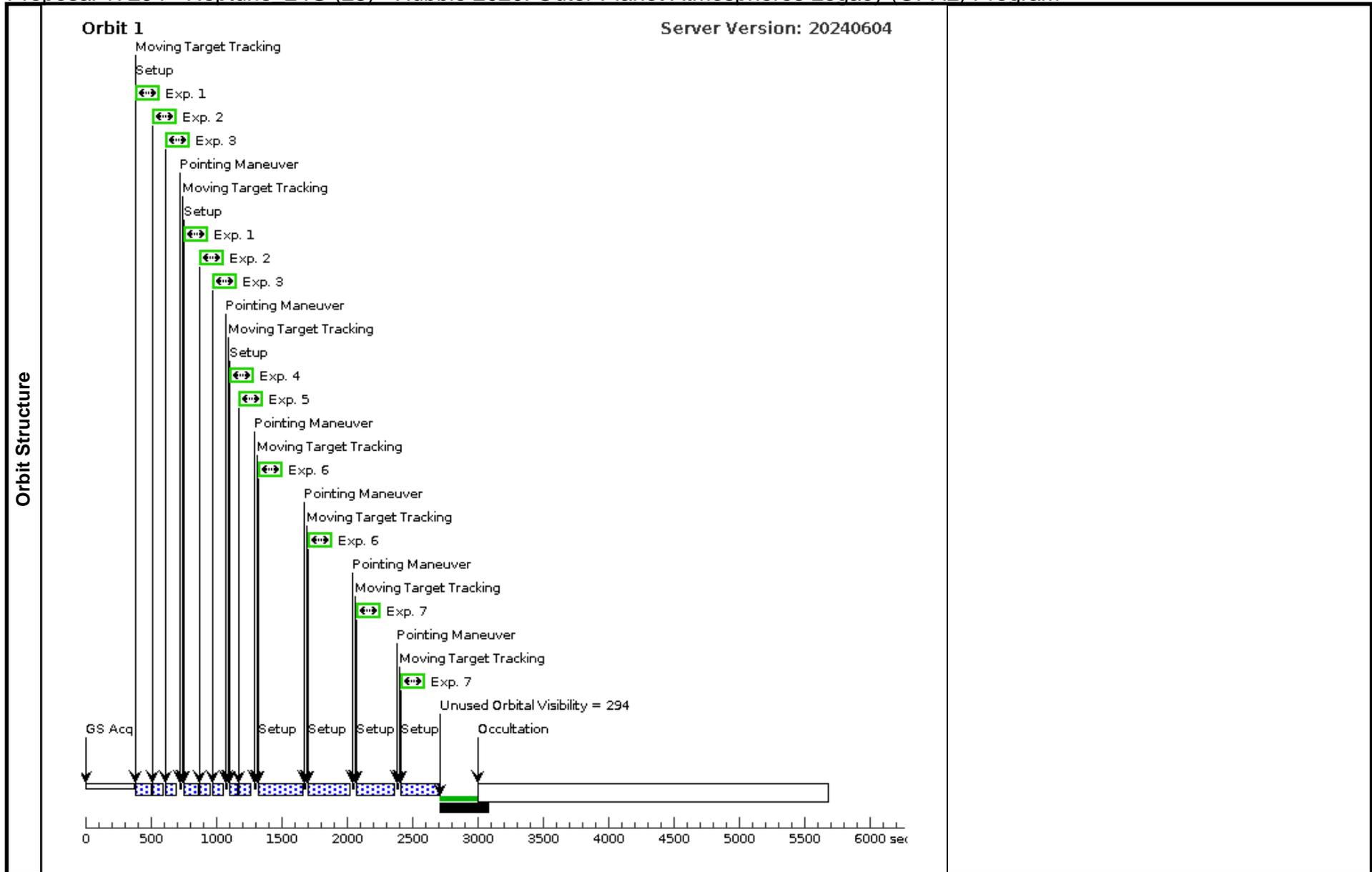
Proposal 17294 - Neptune 24G (28) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	Proposal 17294, Neptune_24G (28), failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 27 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET						
	Diagnosics (F845M (28.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (28.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (28.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (28.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (28.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (28.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (28.006)) 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. (FQ619N_quadA (28.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (28.007)) 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. (Neptune_24G (28)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-3), (7)			
	(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	(6)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
Comments: Description=Global Neptune Maps							

Proposal 17294 - Neptune 24G (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		Sequence 1-7 Non-Int in Neptune_24G (28) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24G (28) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24G (28) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24G (28) (2)	15 Secs (30 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24G (28) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24G (28) (2)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24G (28)	6 Secs (6 Secs) [==>]	[1]
	5	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24G (28)	30 Secs (30 Secs) [==>]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -25,+28	Sequence 1-7 Non-Int in Neptune_24G (28) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_24G (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	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_24G (28) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_24G (28) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



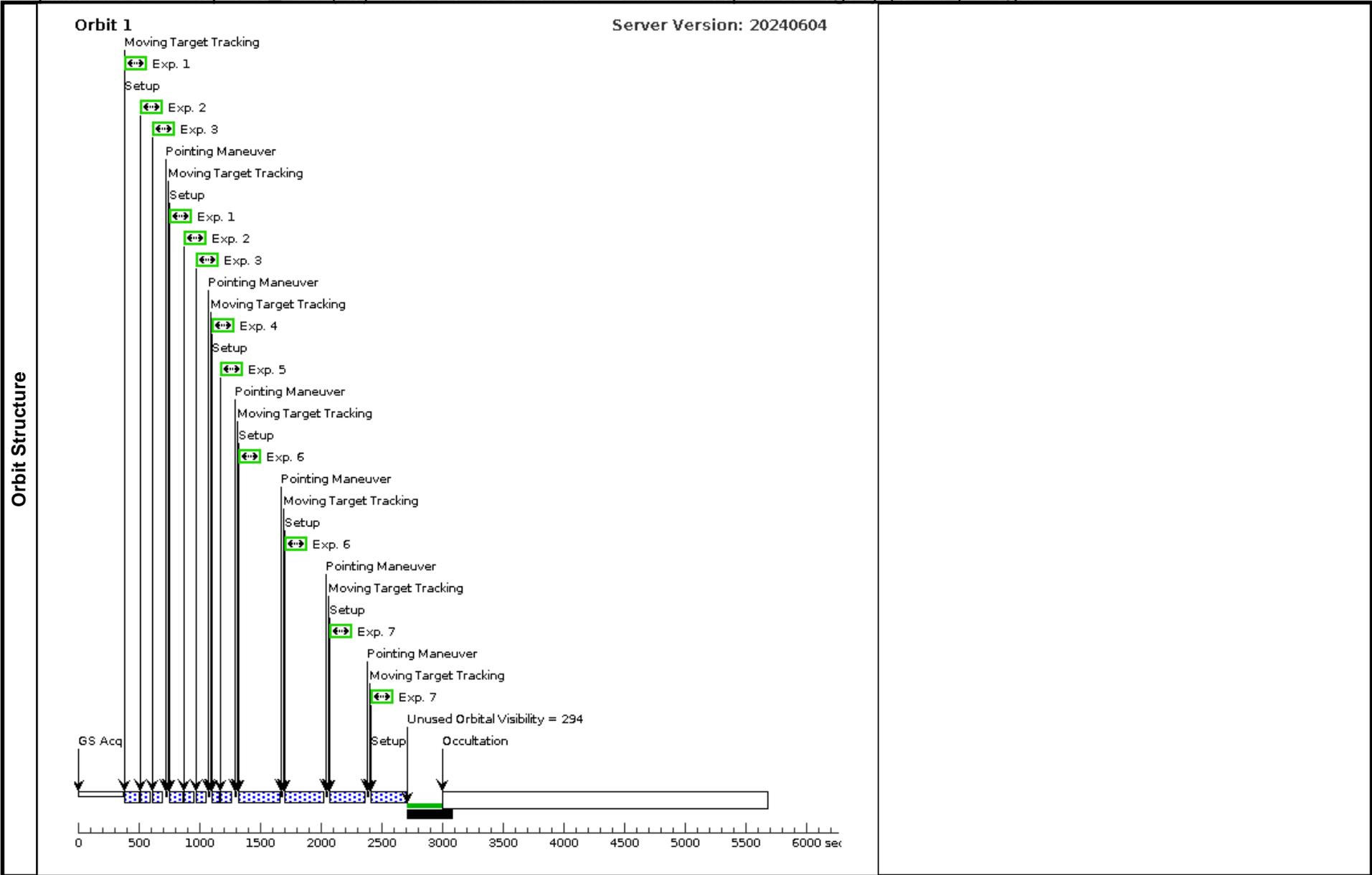
Proposal 17294 - Neptune 24H (29) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	<p>Proposal 17294, Neptune_24H (29), failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 28 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p>						
	<p>(F845M (29.001)) 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 (29.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (29.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (29.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (29.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (29.006)) 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 (29.006)) 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 (29.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (29.007)) 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>(Neptune_24H (29)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>						
Diagnosics							
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-3), (7)			
	(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	(6)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
<p><i>Comments: Description=Global Neptune Maps</i></p>							

Proposal 17294 - Neptune 24H (29) - 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	SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (29) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24H (29) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (29) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24H (29) (2)	15 Secs (30 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (29) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24H (29) (2)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (29)	6 Secs (6 Secs) [==>]	[1]
	5	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (29)	30 Secs (30 Secs) [==>]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -25,+28; SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (29) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_24H (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	POS TARG +20,-24; SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (29) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_24H (29) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 17294 - Neptune 24E (56) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	Proposal 17294, Neptune_24E (56), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET <i>Comments: Repeat of failed visit 26</i>						
	Diagnosics (F845M (56.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (56.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (56.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (56.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (56.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (56.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (56.006)) 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 (56.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (56.007)) 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. (Neptune_24E (56)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern	Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-3), (7)
	(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				(6)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
<i>Comments: Description=Global Neptune Maps</i>							

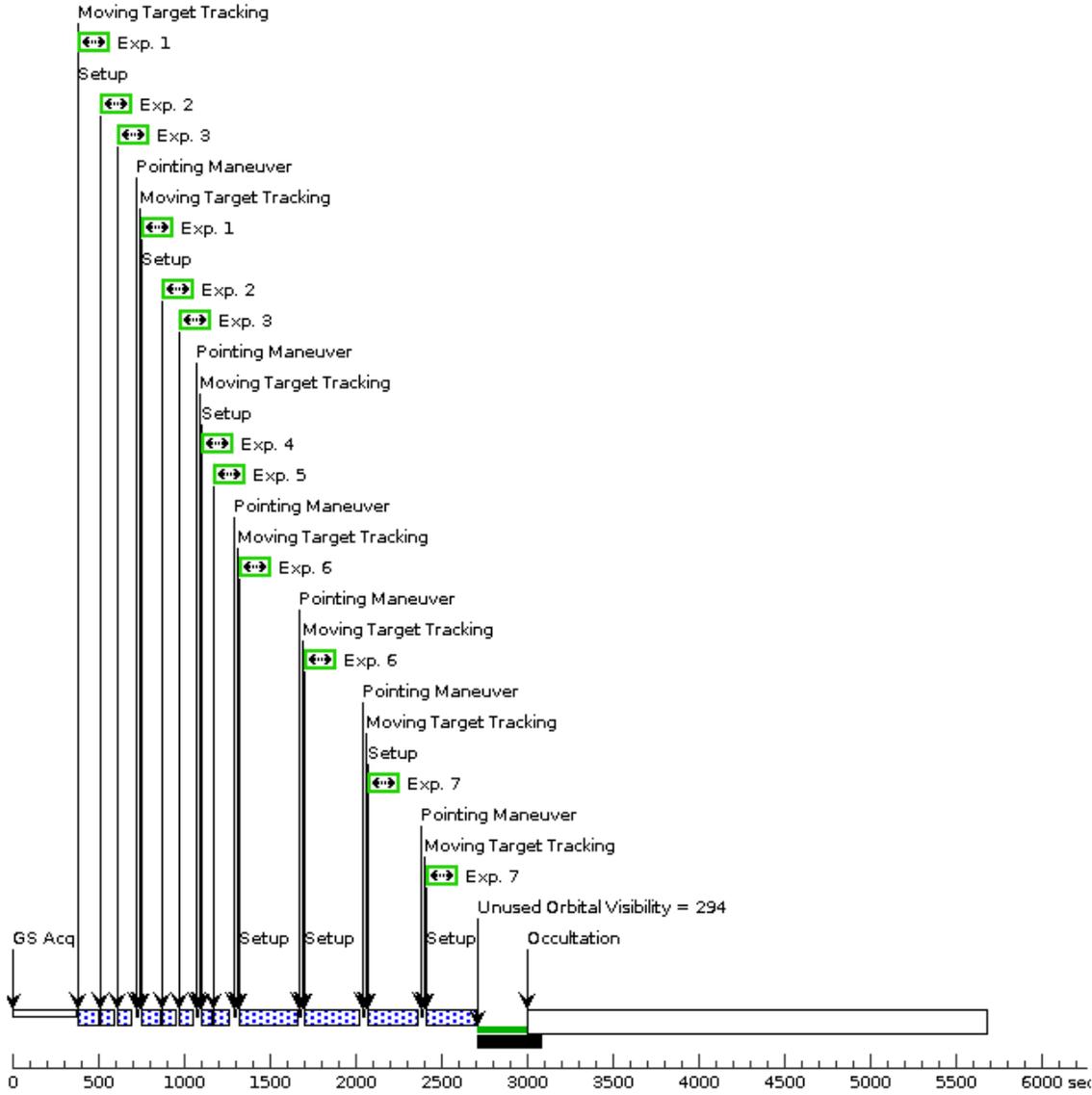
Proposal 17294 - Neptune 24E (56) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

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		Sequence 1-7 Non-Int in Neptune_24E (56) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24E (56) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24E (56) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24E (56) (2)	15 Secs (30 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24E (56) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24E (56) (2)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24E (56)	6 Secs (6 Secs) [==>]	[1]
	5	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24E (56)	30 Secs (30 Secs) [==>]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -25,+28	Sequence 1-7 Non-Int in Neptune_24E (56) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_24E (56) (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	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_24E (56) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_24E (56) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Orbit Structure

Server Version: 20240604

Orbit 1



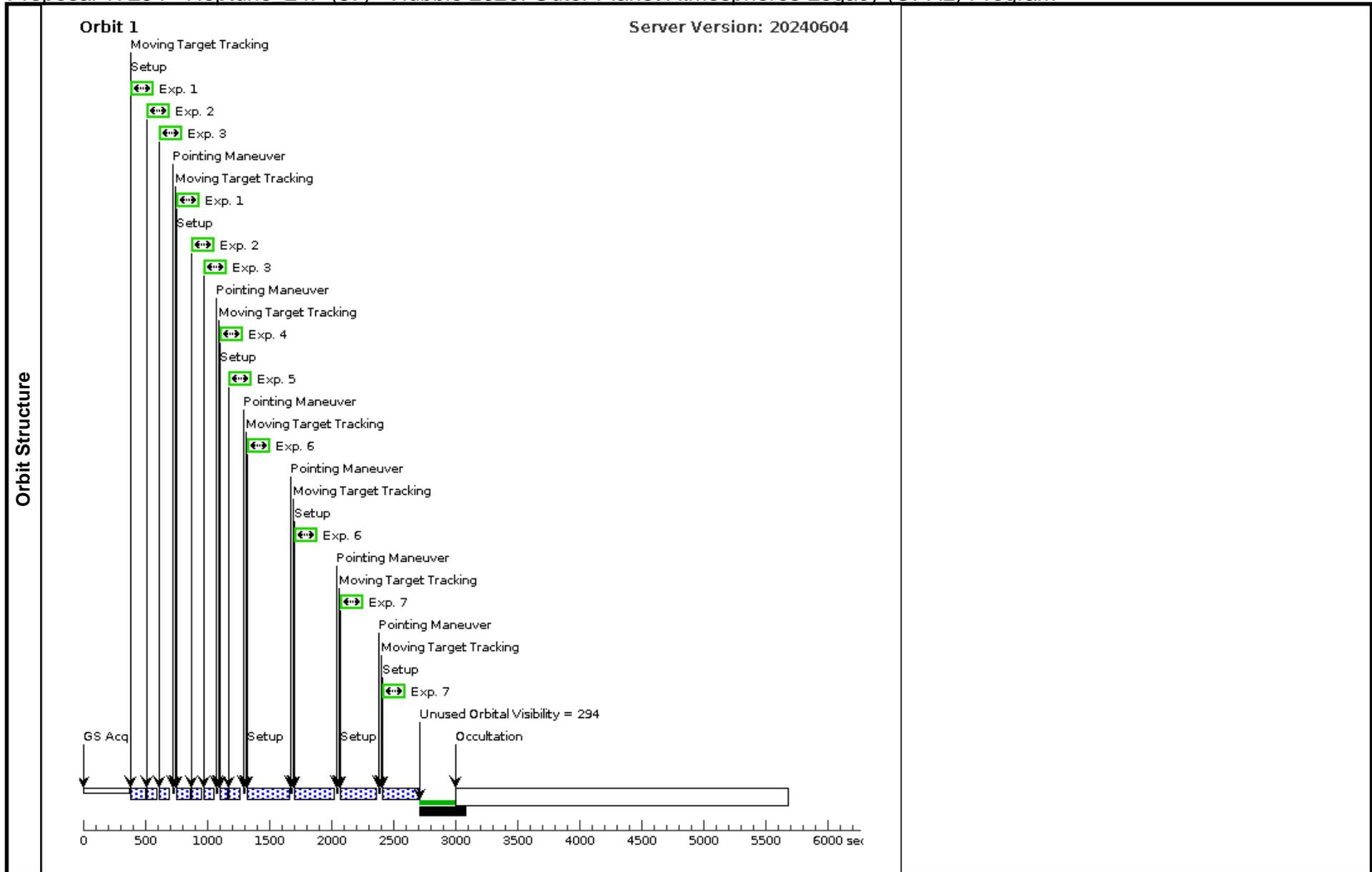
Proposal 17294 - Neptune 24F (57) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	Proposal 17294, Neptune_24F (57), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 56 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET <i>Comments: Repeat of failed visit 27</i>						
	Diagnosics (F845M (57.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (57.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (57.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (57.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (57.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (57.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (57.006)) 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 (57.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (57.007)) 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. (Neptune_24F (57)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern	Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-3), (7)
	(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				(6)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
<i>Comments: Description=Global Neptune Maps</i>							

Proposal 17294 - Neptune 24F (57) - 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		Sequence 1-7 Non-Int in Neptune_24F (57) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24F (57) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24F (57) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24F (57) (2)	15 Secs (30 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24F (57) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24F (57) (2)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24F (57)	6 Secs (6 Secs) [==>]	[1]
	5	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24F (57)	30 Secs (30 Secs) [==>]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -25,+28	Sequence 1-7 Non-Int in Neptune_24F (57) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_24F (57) (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	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_24F (57) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_24F (57) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



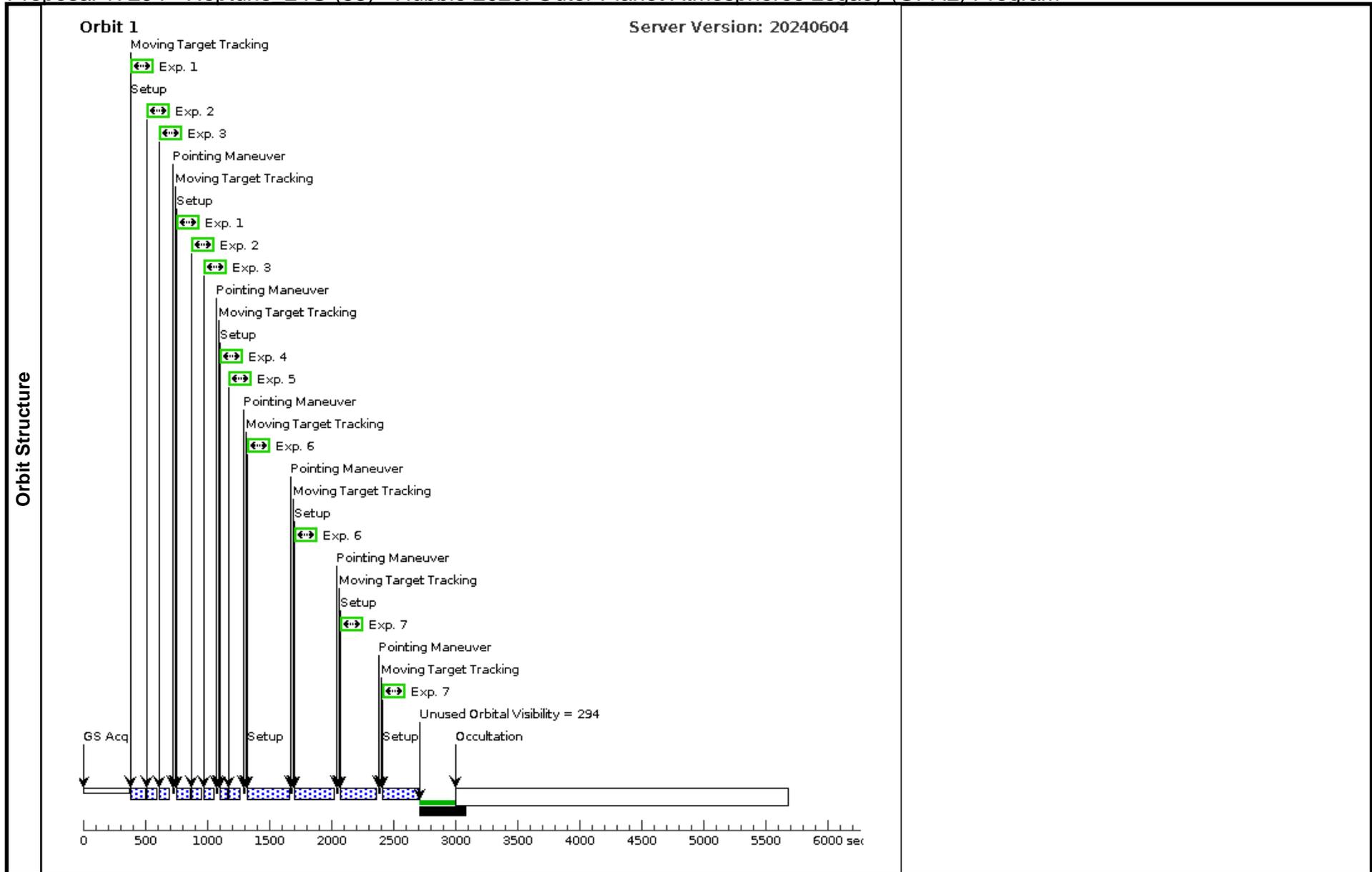
Proposal 17294 - Neptune 24G (58) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	Proposal 17294, Neptune_24G (58), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 57 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET <i>Comments: Repeat of failed visit 28</i>						
	Diagnosics (F845M (58.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (58.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (58.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (58.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (58.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (58.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (58.006)) 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. (FQ619N_quadA (58.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (58.007)) 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. (Neptune_24G (58)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern	Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-3), (7)
	(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				(6)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
<i>Comments: Description=Global Neptune Maps</i>							

Proposal 17294 - Neptune 24G (58) - 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		Sequence 1-7 Non-Int in Neptune_24G (58) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24G (58) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24G (58) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24G (58) (2)	15 Secs (30 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24G (58) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24G (58) (2)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24G (58)	6 Secs (6 Secs) [==>]	[1]
	5	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_24G (58)	30 Secs (30 Secs) [==>]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -25,+28	Sequence 1-7 Non-Int in Neptune_24G (58) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_24G (58) (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	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_24G (58) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_24G (58) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



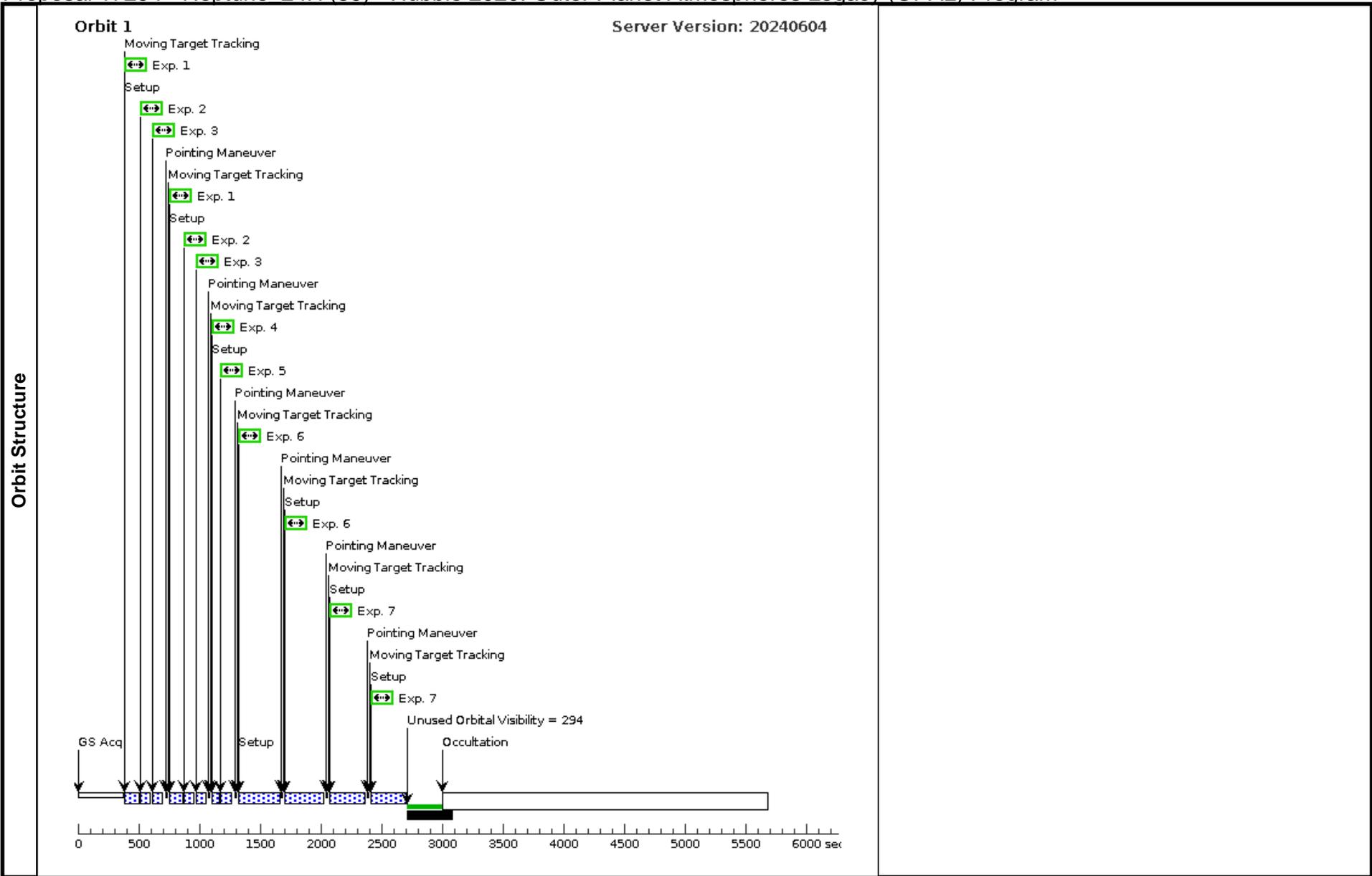
Proposal 17294 - Neptune 24H (59) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:07 GMT 2024

Visit	Proposal 17294, Neptune_24H (59), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 58 BY 2.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET <i>Comments: Repeat of failed visit 29</i>						
	Diagnosics (F845M (59.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (59.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (59.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (59.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (59.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (59.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (59.006)) 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 (59.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (59.007)) 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. (Neptune_24H (59)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern	Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-3), (7)
	(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				(6)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
<i>Comments: Description=Global Neptune Maps</i>							

Proposal 17294 - Neptune 24H (59) - 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	SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (59) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24H (59) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (59) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24H (59) (2)	15 Secs (30 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (59) Pattern 2, Exps 1-3 in Sequence 1-7 Non-Int in Neptune_24H (59) (2)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (59)	6 Secs (6 Secs) [==>]	[1]
	5	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (59)	30 Secs (30 Secs) [==>]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -25,+28; SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (59) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_24H (59) (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	POS TARG +20,-24; SAA CONTOUR 02	Sequence 1-7 Non-Int in Neptune_24H (59) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_24H (59) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 17294 - Saturn 24A (30) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

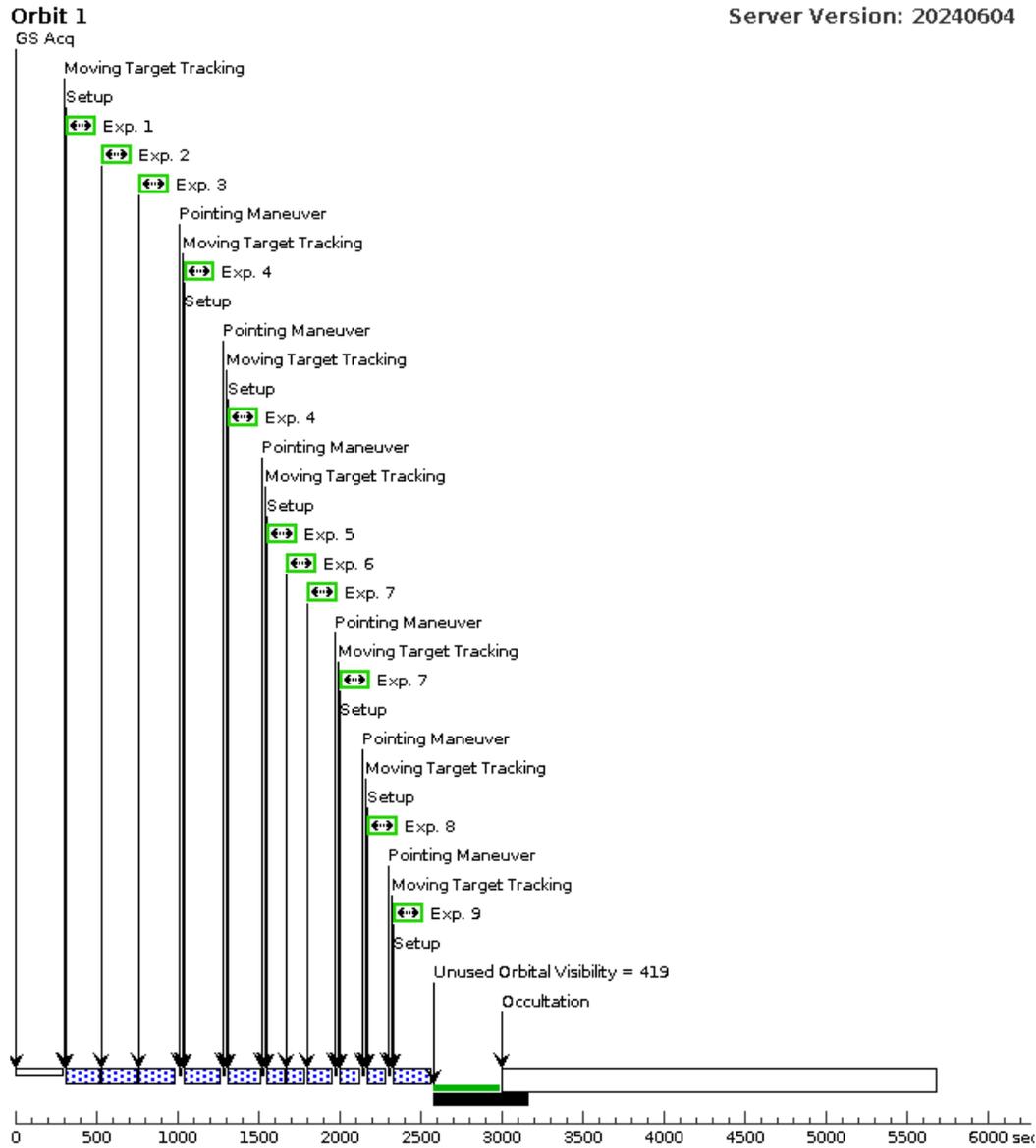
Thu Nov 07 22:01:08 GMT 2024

Visit	<p>Proposal 17294, Saturn_24A (30), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 08-AUG-2024 AND 08-OCT-2024; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET</p> <p><i>Comments: 12 orbits, should be contiguous, if possible. A gap of 1 or 2 orbits between E/F, F/G, or G/H (i.e., between visits 34/35, 35/36, or 36/37) is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it. We can tolerate gyro bias updates to ease the contiguous orbit constraints, and will work with our program contacts to fit them in. 3-gyro mode may be necessary as this is a moving target.</i></p> <p><i>Saturn opposition (2024-Sep-08) +/- 30 days preferred.</i></p> <p><i>We can accept +/- 40 days to account for 21 unschedulable days near opposition (HST temperature rule would be exceeded by Saturn series because target is > 168 deg from the Sun).</i></p> <p><i>OPAL Saturn filters: 225, 275, 343, 395, 467, 502, 631, 727, 763, 889</i></p> <p>TRIMMING RULES</p> <p><i>These are suggested actions to trim time from orbits that have reduced visibility, gyro bias, etc. Please try these in order:</i></p> <ol style="list-style-type: none"> <i>1. Delete the second F631N exposure. Can be done on a visit-by-visit basis as needed.</i> <i>2. Smaller subarrays for exposures 1-3. Change aperture in all three exposures to UVIS2-MIKIC-SUB. Update name of exposure to remove "2K". Can be done on a visit-by-visit basis as needed, but, treat all three exposures in a single visit the same (don't change only 1).</i> <i>3. Pull the FQ727N exposure out of its pattern and delete the pattern (i.e., only take 1 frame of data not 2). Can be done on a visit-by-visit basis as needed.</i> <i>4. Pull the F225W or F275W exposure out of its pattern and delete the pattern (i.e., only take 1 frame of data not 2). Can be done on a visit-by-visit basis as needed.</i> <i>5. Reduce exposure time in FQ889N to as short as 30 sec. If this is needed, trim exposures in every Saturn visit by the same amount (so they all have a uniform exposure time).</i> 				
	Diagnostics	<p>(F631N_2K (30.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F502N_2K (30.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F395N_2K (30.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727_quadD (30.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727_quadD (30.004)) 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>(F763M (30.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (30.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F225W (30.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F631N (30.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (30.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (30.009)) 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>(Saturn_24A (30)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>			
Patterns		#	Primary Pattern	Secondary Pattern	Exposures
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7)
(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	(4)	

Proposal 17294 - Saturn 24A (30) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
		(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN-MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10", SEP OF SATURN-MAPS SUN FROM EARTH LT 168D	EARTH		
<p><i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i></p> <p><i>Description=Global Saturn Maps</i></p>										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO	GS ACQ SCENARIO ONEB1OR	Sequence 1-9 Non-Int in Saturn_24A (30)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24A (30)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.1005337)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24A (30)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_quad (WFC3UVI S.im.1005393)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-9 Non-Int in Saturn_24A (30) Pattern 3, Exps 4-4 in Sequence 1-9 Non-Int in Saturn_24A (30) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.1005344)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Saturn_24A (30)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.1005339)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24A (30)	7 Secs (7 Secs) [==>]	[1]
	7	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24A (30) Pattern 2, Exps 7-7 in Sequence 1-9 Non-Int in Saturn_24A (30) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24A (30)	15 Secs (15 Secs) [==>]	[1]
	9	FQ889_quadA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-9 Non-Int in Saturn_24A (30)	45 Secs (45 Secs) [==>]	[1]

Orbit Structure



Proposal 17294 - Saturn 24B (31) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

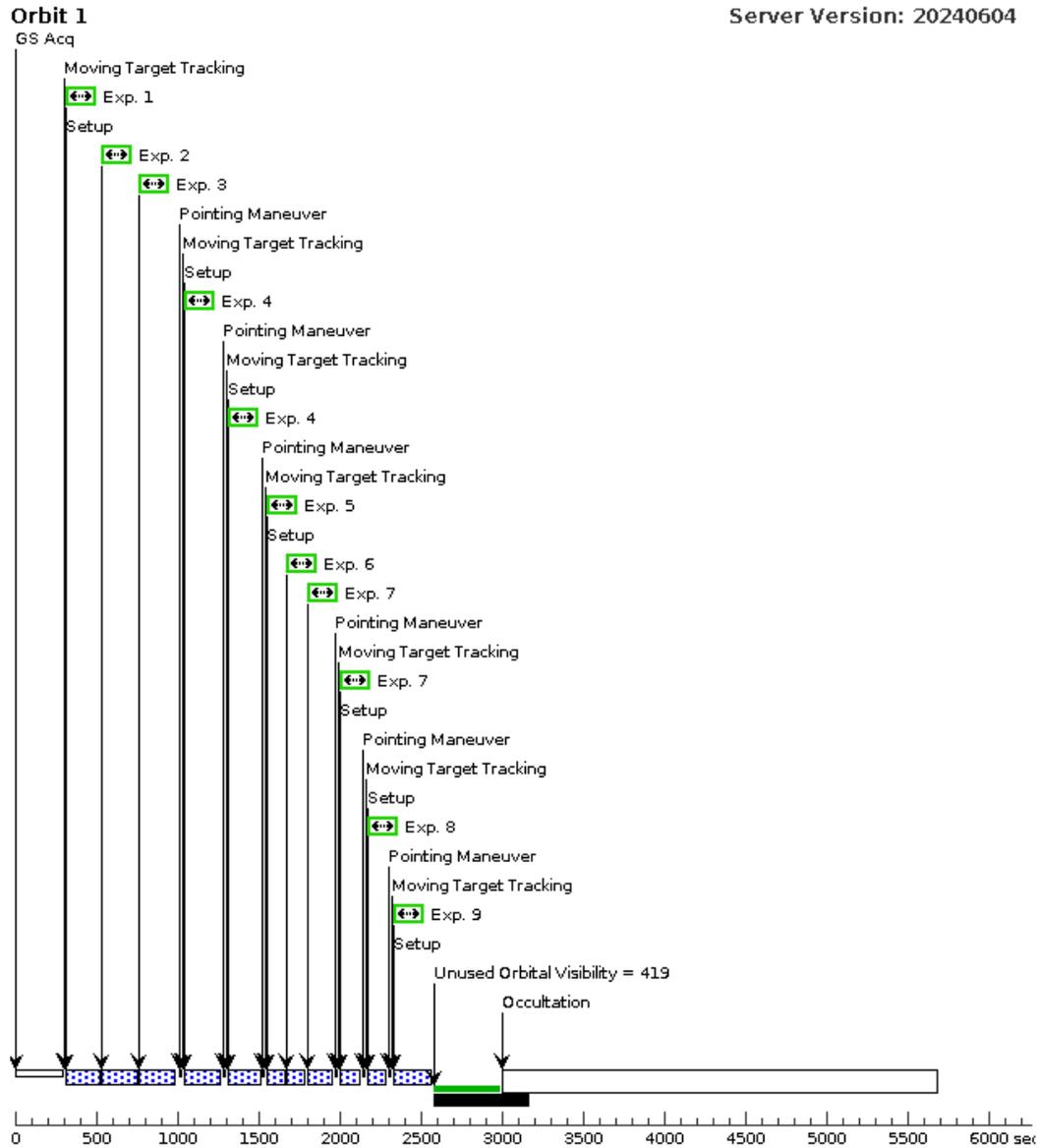
Thu Nov 07 22:01:08 GMT 2024

Visit	Proposal 17294, Saturn_24B (31), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 30 BY 0.9 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET							
	Diagnostics	(F631N_2K (31.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (31.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (31.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (31.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (31.004)) 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. (F763M (31.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (31.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F225W (31.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (31.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (31.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (31.009)) 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. (Saturn_24B (31)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns		#	Primary Pattern	Secondary Pattern	Exposures			
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7)			
		(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	(4)			
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
		(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10", SEP OF SATURN-MAPS SUN FROM EARTH LT 168D	EARTH
<i>Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168.</i> <i>Description=Global Saturn Maps</i>								

Proposal 17294 - Saturn 24B (31) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO	GS ACQ SCENARI O ONEB1OR	Sequence 1-9 Non-Int in Saturn_24B (31)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24B (31)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24B (31)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-9 Non-Int in Saturn_24B (31) Pattern 3, Exps 4-4 i n Sequence 1-9 Non- Int in Saturn_24B (3 1) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Saturn_24B (31)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.100533 9)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24B (31)	7 Secs (7 Secs) [==>]	[1]
	7	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24B (31) Pattern 2, Exps 7-7 i n Sequence 1-9 Non- Int in Saturn_24B (3 1) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24B (31)	15 Secs (15 Secs) [==>]	[1]
	9	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-9 Non-Int in Saturn_24B (31)	45 Secs (45 Secs) [==>]	[1]

Orbit Structure



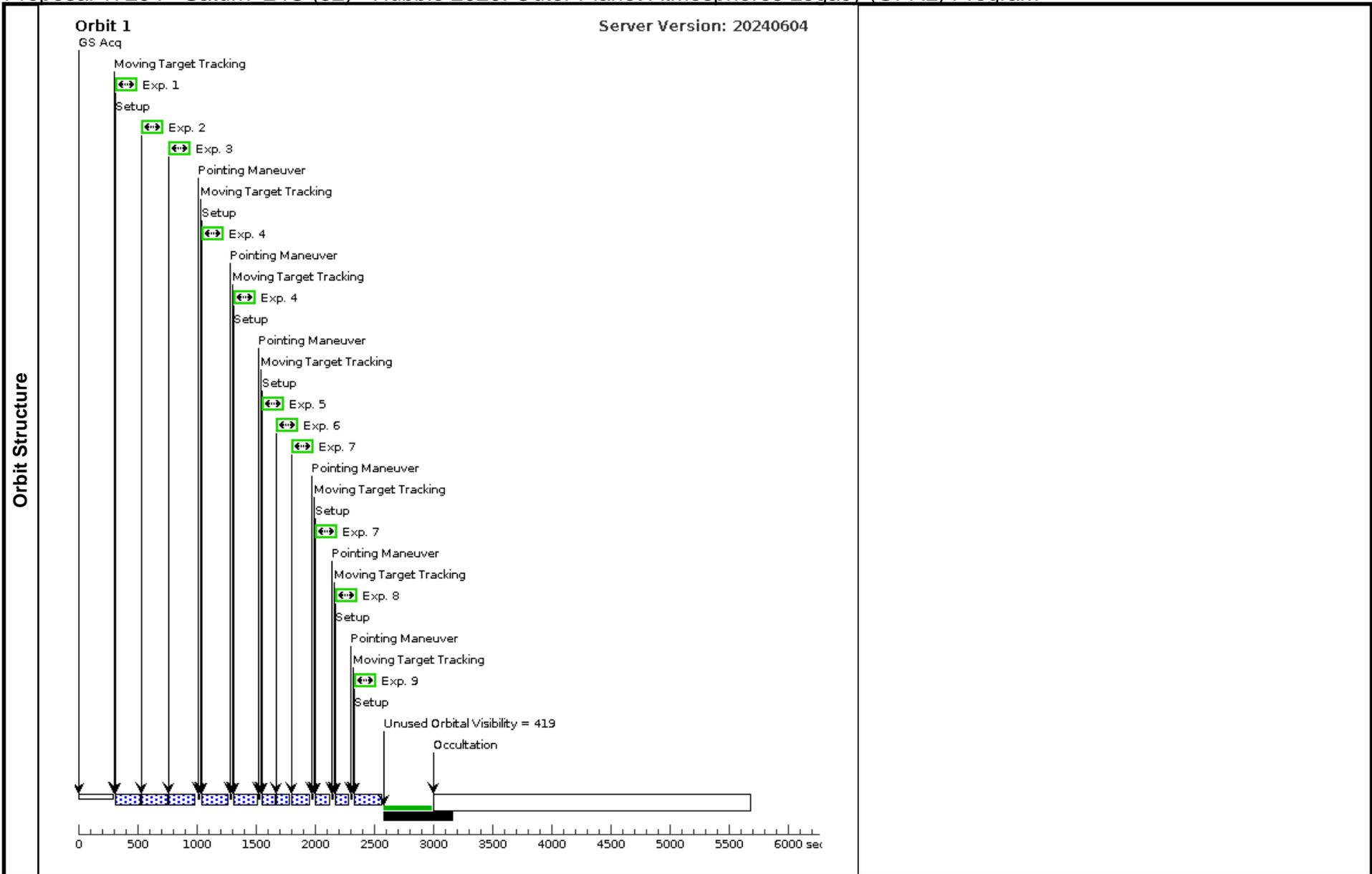
Proposal 17294 - Saturn 24C (32) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:08 GMT 2024

Visit	Proposal 17294, Saturn_24C (32), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 31 BY 0.9 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET						
	Diagnosics (F631N_2K (32.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (32.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (32.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (32.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (32.004)) 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. (F763M (32.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (32.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F225W (32.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (32.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (32.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (32.009)) 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. (Saturn_24C (32)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern		Secondary Pattern		Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(7)	
	(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			(4)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10", SEP OF SATURN-MAPS SUN FROM EARTH LT 168D	EARTH
Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168. Description=Global Saturn Maps							

Proposal 17294 - Saturn 24C (32) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO	GS ACQ SCENARI O ONEB1OR	Sequence 1-9 Non-Int in Saturn_24C (32)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24C (32)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24C (32)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-9 Non-Int in Saturn_24C (32) Pattern 3, Exps 4-4 i n Sequence 1-9 Non- Int in Saturn_24C (3 2) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Saturn_24C (32)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.100533 9)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24C (32)	7 Secs (7 Secs) [==>]	[1]
	7	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24C (32) Pattern 2, Exps 7-7 i n Sequence 1-9 Non- Int in Saturn_24C (3 2) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24C (32)	15 Secs (15 Secs) [==>]	[1]
	9	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-9 Non-Int in Saturn_24C (32)	45 Secs (45 Secs) [==>]	[1]



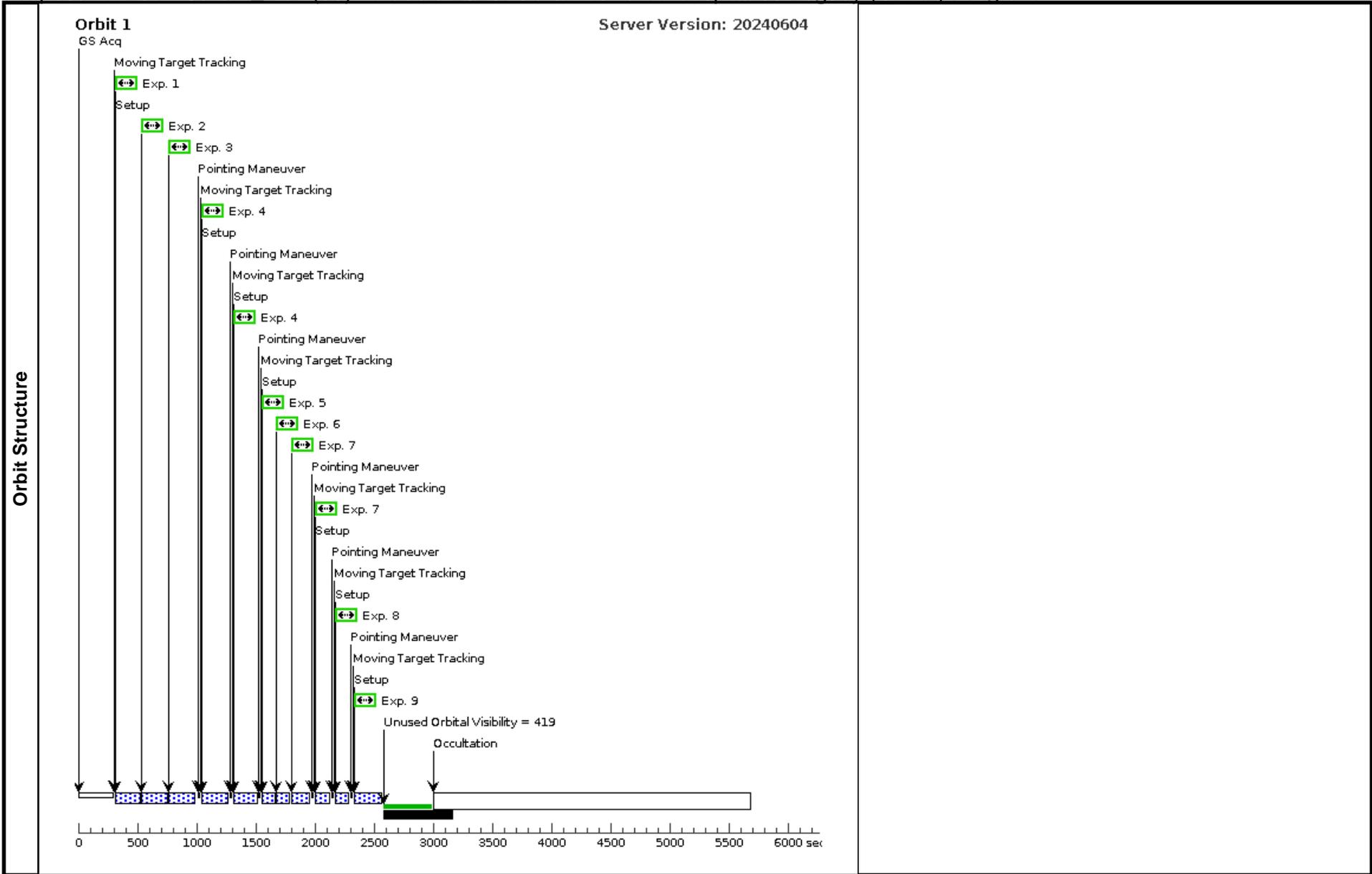
Proposal 17294 - Saturn 24D (33) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:08 GMT 2024

Visit	Proposal 17294, Saturn_24D (33), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 32 BY 0.9 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET						
	Diagnosics (F631N_2K (33.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (33.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (33.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (33.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (33.004)) 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. (F763M (33.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (33.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F225W (33.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (33.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (33.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (33.009)) 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. (Saturn_24D (33)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10", SEP OF SATURN-MAPS SUN FROM EARTH LT 168D	EARTH
Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168. Description=Global Saturn Maps							

Proposal 17294 - Saturn 24D (33) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO	SAA CONTOUR 02; Sequence 1-9 Non-Int in Saturn_24D (33)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO	SAA CONTOUR 02 Sequence 1-9 Non-Int in Saturn_24D (33)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO	SAA CONTOUR 02 Sequence 1-9 Non-Int in Saturn_24D (33)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18; SAA CONTOUR 02 Sequence 1-9 Non-Int in Saturn_24D (33) Pattern 3, Exps 4-4 i n Sequence 1-9 Non- Int in Saturn_24D (3 3) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A	SAA CONTOUR 02 Sequence 1-9 Non-Int in Saturn_24D (33)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.100533 9)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO	SAA CONTOUR 02 Sequence 1-9 Non-Int in Saturn_24D (33)	7 Secs (7 Secs) [==>]	[1]
	7	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO	SAA CONTOUR 02 Sequence 1-9 Non-Int in Saturn_24D (33) Pattern 2, Exps 7-7 i n Sequence 1-9 Non- Int in Saturn_24D (3 3) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO	SAA CONTOUR 02 Sequence 1-9 Non-Int in Saturn_24D (33)	15 Secs (15 Secs) [==>]	[1]
	9	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14; SAA CONTOUR 02 Sequence 1-9 Non-Int in Saturn_24D (33)	45 Secs (45 Secs) [==>]	[1]



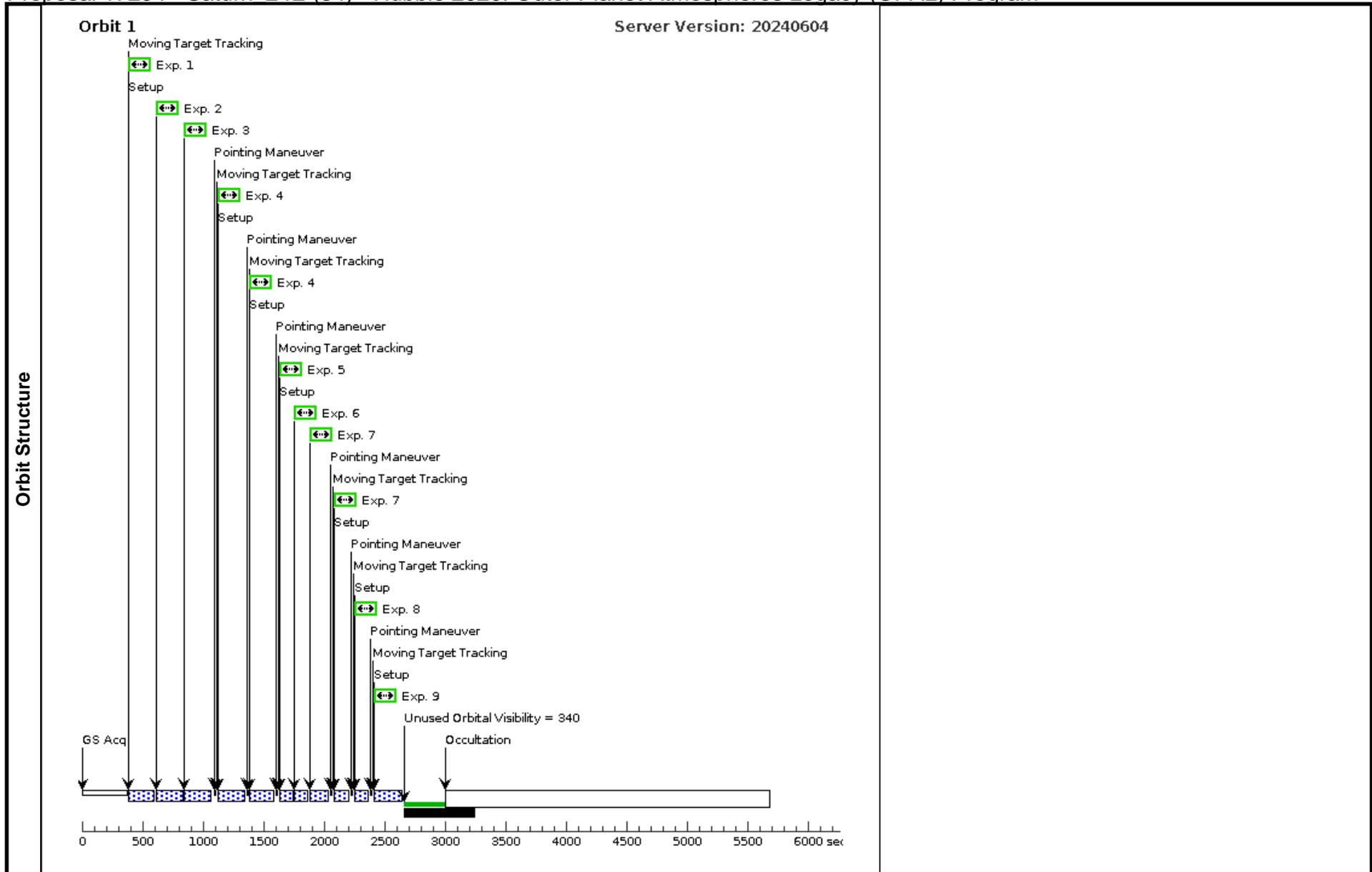
Proposal 17294 - Saturn 24E (34) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:08 GMT 2024

Visit	Proposal 17294, Saturn_24E (34), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 33 BY 0.9 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET						
	Diagnosics (F631N_2K (34.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (34.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (34.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (34.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (34.004)) 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. (F763M (34.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (34.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F225W (34.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (34.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (34.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (34.009)) 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. (Saturn_24E (34)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(7)			
(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		(4)				
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10", SEP OF SATURN-MAPS SUN FROM EARTH LT 168D	EARTH
Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168. Description=Global Saturn Maps							

Proposal 17294 - Saturn 24E (34) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24E (34)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24E (34)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24E (34)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18; SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24E (34) Pattern 3, Exps 4-4 i n Sequence 1-9 Non- Int in Saturn_24E (3 4) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24E (34)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.100533 9)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24E (34)	7 Secs (7 Secs) [==>]	[1]
	7	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24E (34) Pattern 2, Exps 7-7 i n Sequence 1-9 Non- Int in Saturn_24E (3 4) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24E (34)	15 Secs (15 Secs) [==>]	[1]
	9	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14; SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24E (34)	45 Secs (45 Secs) [==>]	[1]



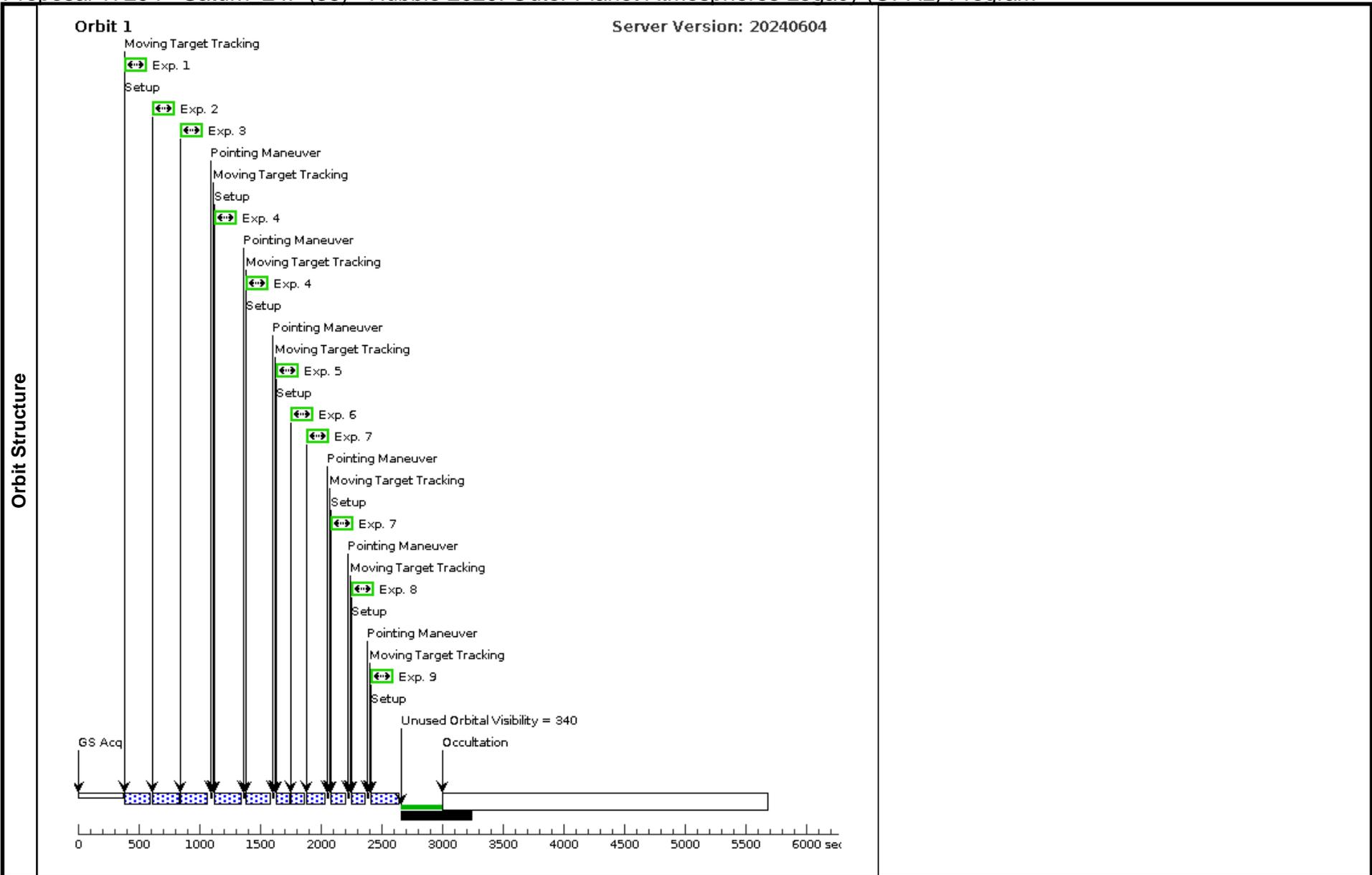
Proposal 17294 - Saturn 24F (35) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:08 GMT 2024

Visit	Proposal 17294, Saturn_24F (35), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 34 BY 0.9 Orbits TO 2.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET						
	Diagnosics (F631N_2K (35.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (35.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (35.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (35.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (35.004)) 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. (F763M (35.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (35.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F225W (35.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (35.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (35.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (35.009)) 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. (Saturn_24F (35)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern		Secondary Pattern		Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(7)	
	(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			(4)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10", SEP OF SATURN-MAPS SUN FROM EARTH LT 168D	EARTH
Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168. Description=Global Saturn Maps							

Proposal 17294 - Saturn 24F (35) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24F (35)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24F (35)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24F (35)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18; SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24F (35) Pattern 3, Exps 4-4 i n Sequence 1-9 Non- Int in Saturn_24F (3 5) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24F (35)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.100533 9)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24F (35)	7 Secs (7 Secs) [==>]	[1]
	7	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24F (35) Pattern 2, Exps 7-7 i n Sequence 1-9 Non- Int in Saturn_24F (3 5) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24F (35)	15 Secs (15 Secs) [==>]	[1]
	9	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14; SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24F (35)	45 Secs (45 Secs) [==>]	[1]



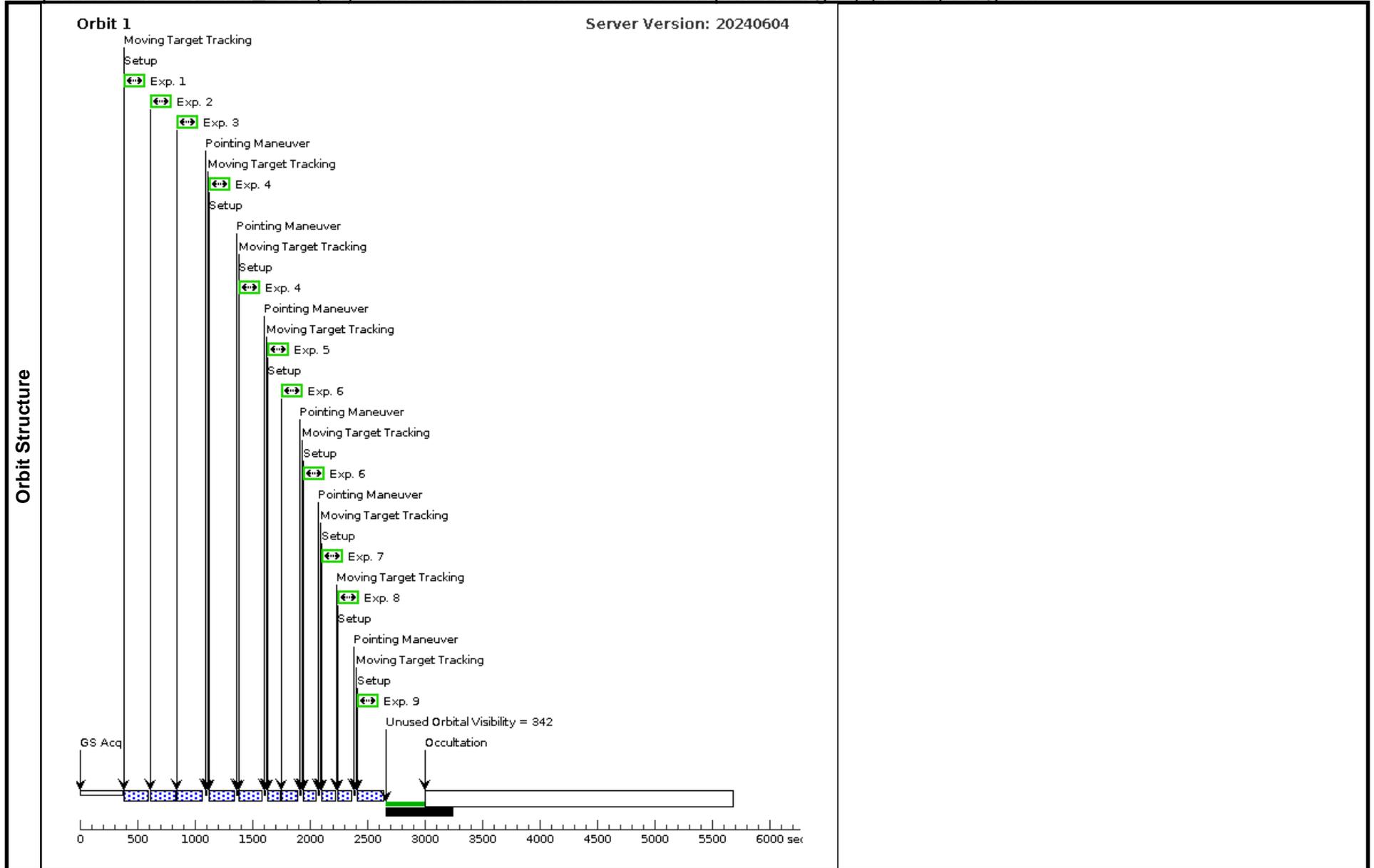
Proposal 17294 - Saturn 24G (36) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:08 GMT 2024

Visit	Proposal 17294, Saturn_24G (36), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 35 BY 0.9 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET						
	Diagnostics	(F631N (36.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (36.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (36.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (36.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (36.004)) 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. (F763M (36.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (36.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (36.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (36.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (36.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (36.009)) 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. (Saturn_24G (36)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.					
Patterns		#	Primary Pattern	Secondary Pattern	Exposures		
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(6)			
	(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	(4)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10", SEP OF SATURN-MAPS SUN FROM EARTH LT 168D	EARTH
Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168. Description=Global Saturn Maps							

Proposal 17294 - Saturn 24G (36) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24G (36)	15 Secs (15 Secs) [==>]	[1]
	2	F502N (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24G (36)	23 Secs (23 Secs) [==>]	[1]
	3	F395N (WFC3UVI S.im.1005337)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24G (36)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.1005393)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18; SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24G (36) Pattern 3, Exps 4-4 in Sequence 1-9 Non-Int in Saturn_24G (36) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.1005344)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Saturn_24G (36)	2 Secs (2 Secs) [==>]	[1]
	6	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24G (36) Pattern 2, Exps 6-6 in Sequence 1-9 Non-Int in Saturn_24G (36) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F343N (WFC3UVI S.im.1005334)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24G (36)	20 Secs (20 Secs) [==>]	[1]
	8	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Saturn_24G (36)	15 Secs (15 Secs) [==>]	[1]
	9	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-9 Non-Int in Saturn_24G (36)	45 Secs (45 Secs) [==>]	[1]



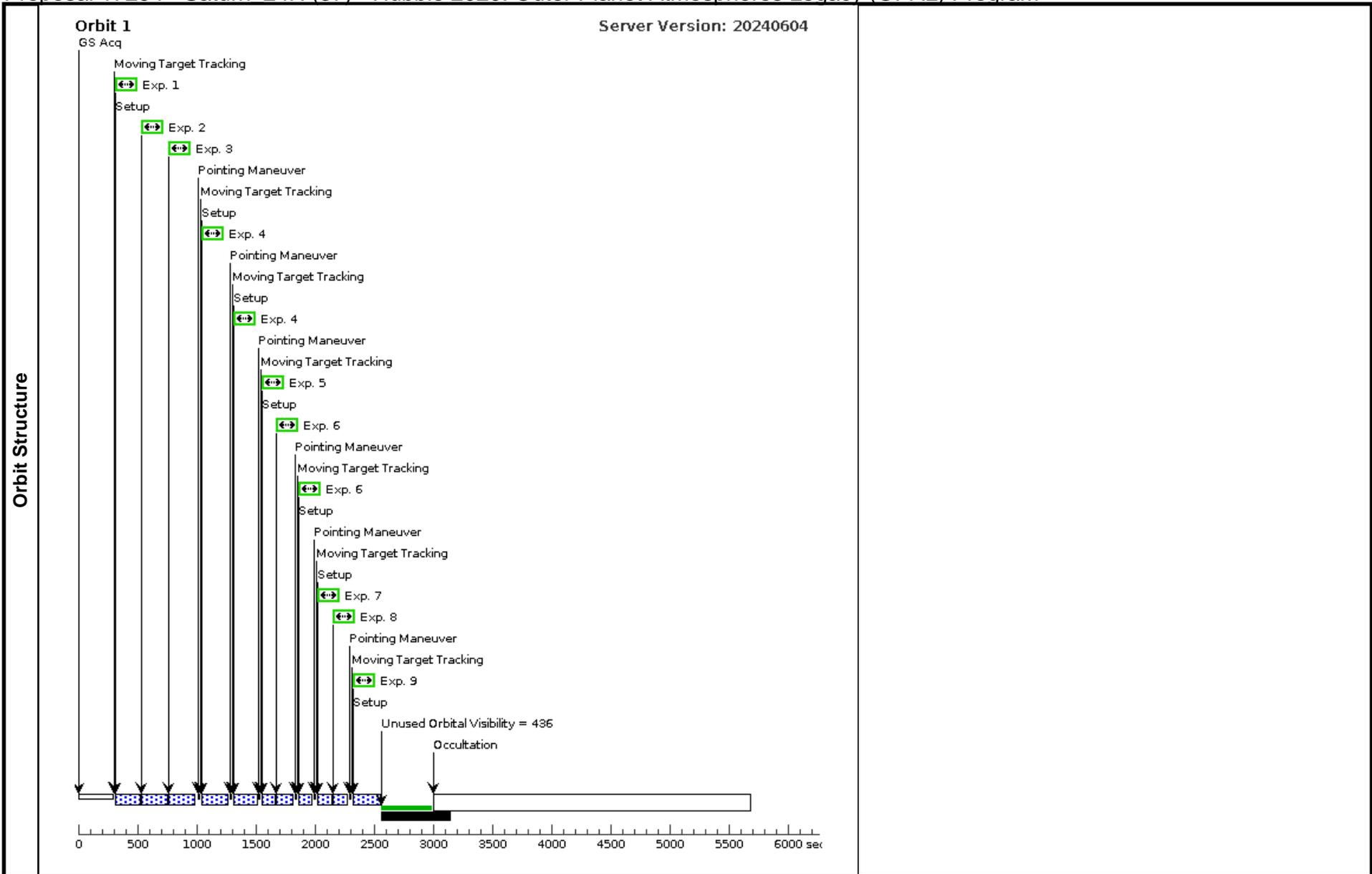
Proposal 17294 - Saturn 24H (37) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:08 GMT 2024

Visit	Proposal 17294, Saturn_24H (37), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 36 BY 0.9 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET							
	Diagnostics	(F631N_2K (37.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (37.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (37.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (37.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (37.004)) 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. (F763M (37.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (37.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (37.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (37.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (37.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (37.009)) 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. (Saturn_24H (37)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns		#	Primary Pattern	Secondary Pattern	Exposures			
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(6)			
(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	(4)				
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
		(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10", SEP OF SATURN-MAPS SUN FROM EARTH LT 168D	EARTH
Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168. Description=Global Saturn Maps								

Proposal 17294 - Saturn 24H (37) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO	GS ACQ SCENARIO ONEB1OR	Sequence 1-9 Non-Int in Saturn_24H (37)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24H (37)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.1005337)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24H (37)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_quad (WFC3UVI S.im.1005393)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-9 Non-Int in Saturn_24H (37) Pattern 3, Exps 4-4 in Sequence 1-9 Non-Int in Saturn_24H (37) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.1005344)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Saturn_24H (37)	2 Secs (2 Secs) [==>]	[1]
	6	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24H (37) Pattern 2, Exps 6-6 in Sequence 1-9 Non-Int in Saturn_24H (37) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F343N (WFC3UVI S.im.1005334)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24H (37)	20 Secs (20 Secs) [==>]	[1]
	8	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24H (37)	15 Secs (15 Secs) [==>]	[1]
	9	FQ889_quadA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-9 Non-Int in Saturn_24H (37)	45 Secs (45 Secs) [==>]	[1]



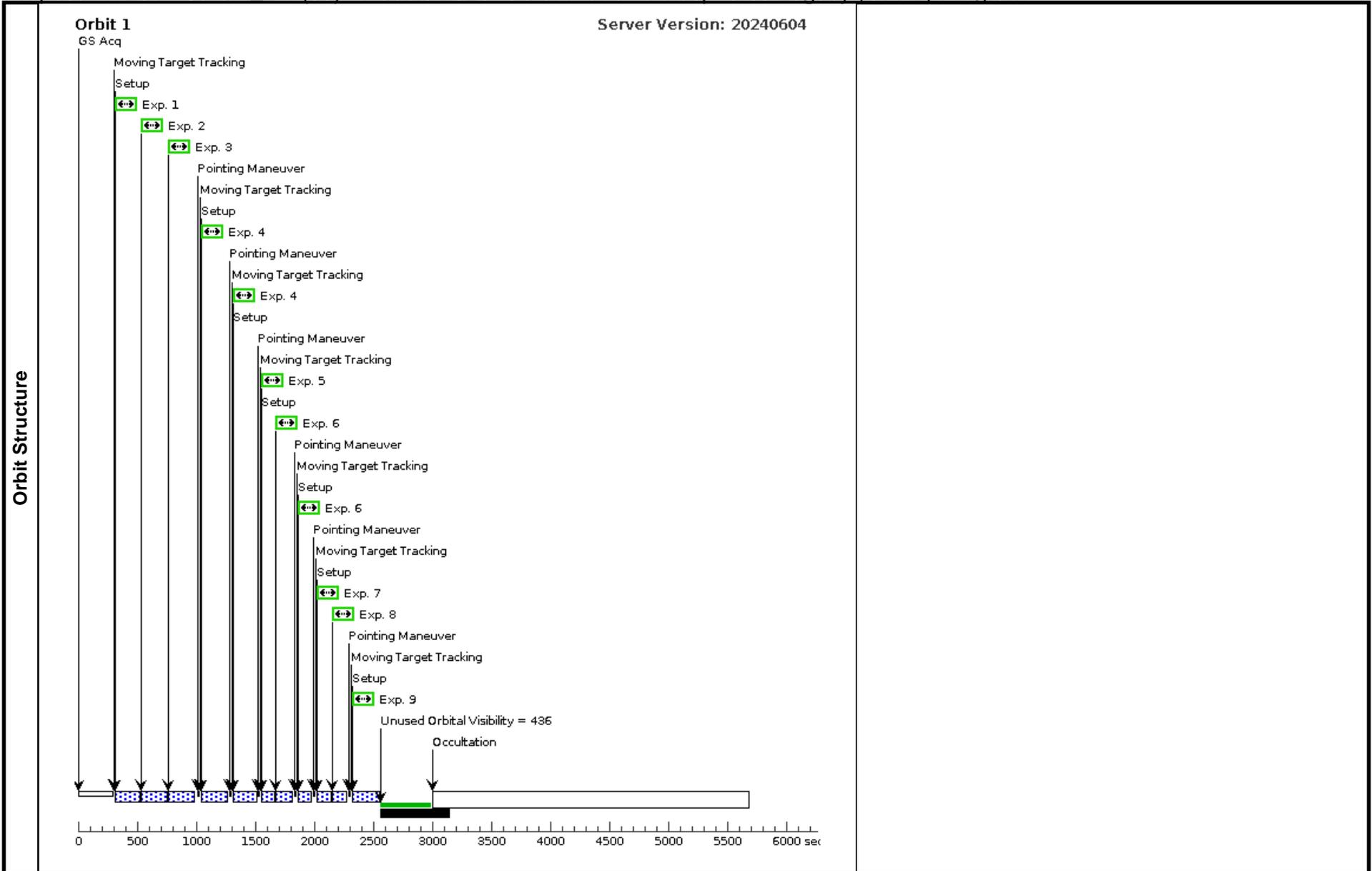
Proposal 17294 - Saturn 24I (38) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:08 GMT 2024

Visit	Proposal 17294, Saturn_24I (38), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 37 BY 0.9 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET							
	Diagnostics	(F631N_2K (38.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (38.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (38.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (38.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (38.004)) 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. (F763M (38.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (38.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (38.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (38.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (38.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (38.009)) 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. (Saturn_24I (38)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns		#	Primary Pattern	Secondary Pattern	Exposures			
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(6)			
		(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	(4)			
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
		(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10", SEP OF SATURN-MAPS SUN FROM EARTH LT 168D	EARTH
Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168. Description=Global Saturn Maps								

Proposal 17294 - Saturn 24I (38) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO	GS ACQ SCENARI O ONEB1OR	Sequence 1-9 Non-Int in Saturn_24I (38)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24I (38)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24I (38)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-9 Non-Int in Saturn_24I (38) Pattern 3, Exps 4-4 i n Sequence 1-9 Non- Int in Saturn_24I (38) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Saturn_24I (38)	2 Secs (2 Secs) [==>]	[1]
	6	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24I (38) Pattern 2, Exps 6-6 i n Sequence 1-9 Non- Int in Saturn_24I (38) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24I (38)	20 Secs (20 Secs) [==>]	[1]
	8	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24I (38)	15 Secs (15 Secs) [==>]	[1]
	9	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-9 Non-Int in Saturn_24I (38)	45 Secs (45 Secs) [==>]	[1]



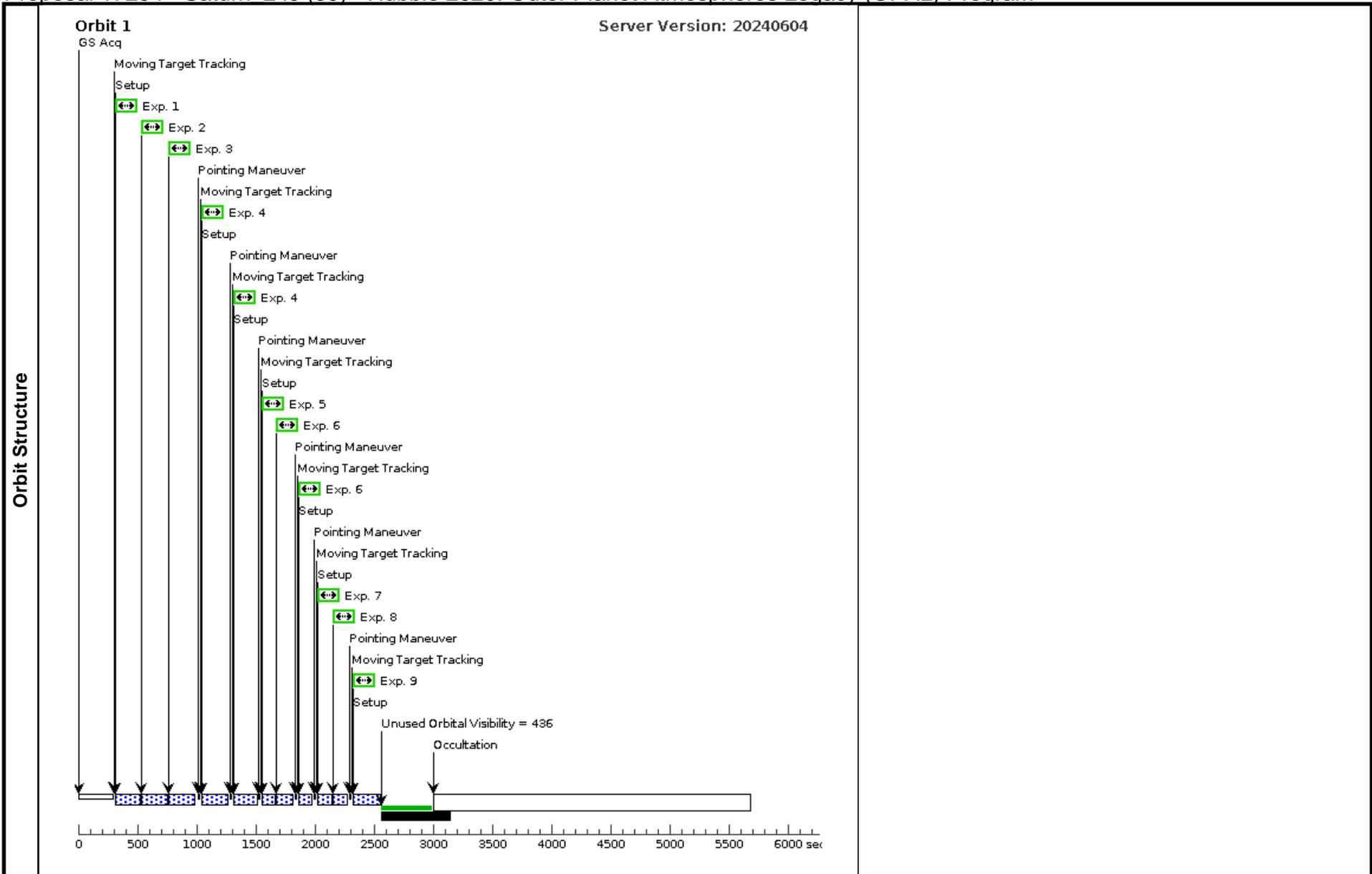
Proposal 17294 - Saturn 24J (39) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:08 GMT 2024

Visit	Proposal 17294, Saturn_24J (39), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 38 BY 0.9 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET						
	Diagnosics (F631N_2K (39.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (39.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (39.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (39.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (39.004)) 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. (F763M (39.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (39.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (39.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (39.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (39.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (39.009)) 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. (Saturn_24J (39)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern		Secondary Pattern		Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(6)	
	(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			(4)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10", SEP OF SATURN-MAPS SUN FROM EARTH LT 168D	EARTH
Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168. Description=Global Saturn Maps							

Proposal 17294 - Saturn 24J (39) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO	GS ACQ SCENARI O ONEB1OR	Sequence 1-9 Non-Int in Saturn_24J (39)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24J (39)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24J (39)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-9 Non-Int in Saturn_24J (39) Pattern 3, Exps 4-4 i n Sequence 1-9 Non- Int in Saturn_24J (39) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Saturn_24J (39)	2 Secs (2 Secs) [==>]	[1]
	6	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24J (39) Pattern 2, Exps 6-6 i n Sequence 1-9 Non- Int in Saturn_24J (39) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24J (39)	20 Secs (20 Secs) [==>]	[1]
	8	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24J (39)	15 Secs (15 Secs) [==>]	[1]
	9	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-9 Non-Int in Saturn_24J (39)	45 Secs (45 Secs) [==>]	[1]



Proposal 17294 - Saturn 24K (40) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

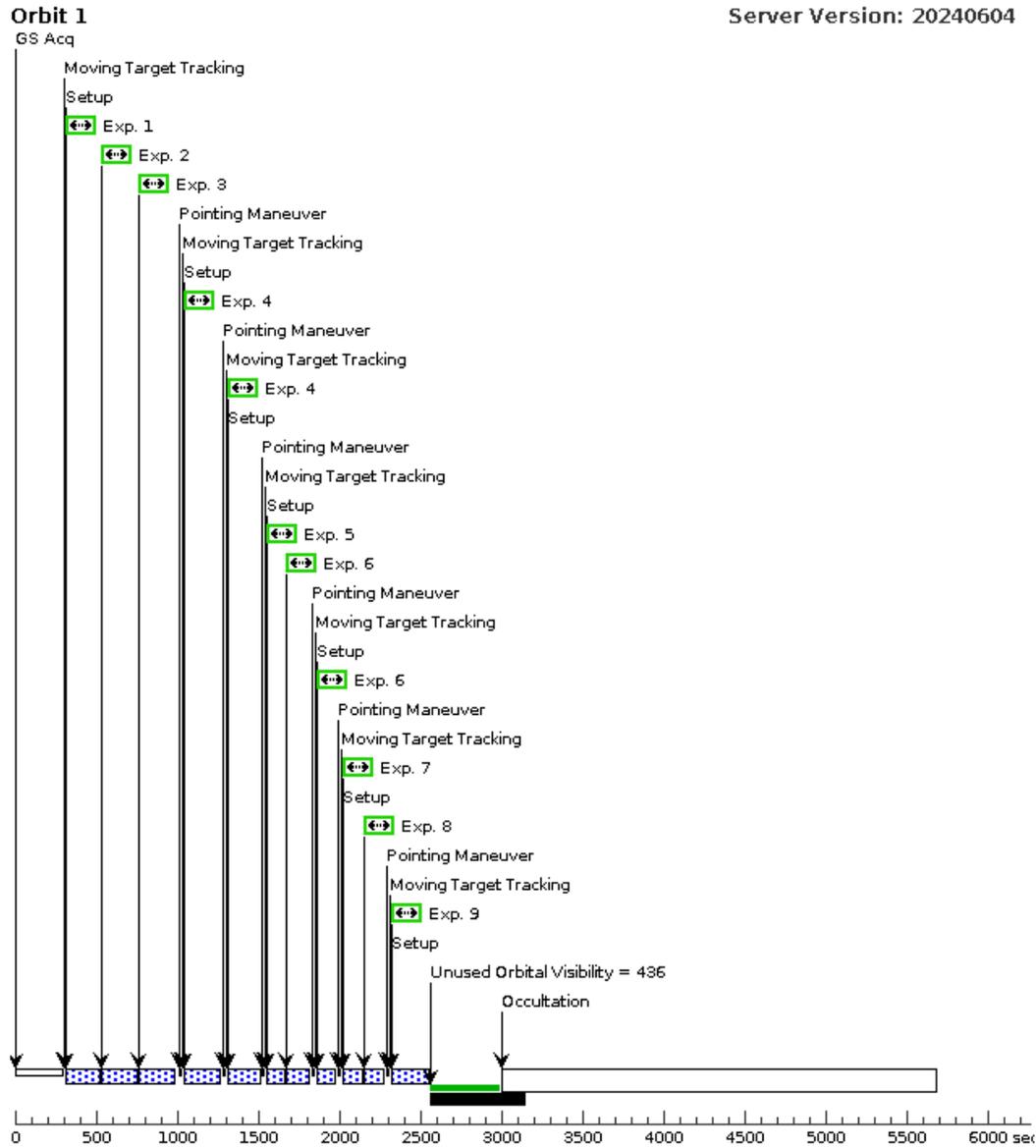
Thu Nov 07 22:01:08 GMT 2024

Visit	Proposal 17294, Saturn_24K (40), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 39 BY 0.9 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET							
	Diagnostics	(F631N_2K (40.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (40.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (40.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (40.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (40.004)) 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. (F763M (40.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (40.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (40.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (40.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (40.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (40.009)) 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. (Saturn_24K (40)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns		#	Primary Pattern	Secondary Pattern	Exposures			
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(6)			
(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	(4)				
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
		(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10", SEP OF SATURN-MAPS SUN FROM EARTH LT 168D	EARTH
Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168. Description=Global Saturn Maps								

Proposal 17294 - Saturn 24K (40) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO	GS ACQ SCENARI O ONEB1OR	Sequence 1-9 Non-Int in Saturn_24K (40)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24K (40)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24K (40)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-9 Non-Int in Saturn_24K (40) Pattern 3, Exps 4-4 i n Sequence 1-9 Non- Int in Saturn_24K (4 0) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Saturn_24K (40)	2 Secs (2 Secs) [==>]	[1]
	6	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24K (40) Pattern 2, Exps 6-6 i n Sequence 1-9 Non- Int in Saturn_24K (4 0) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24K (40)	20 Secs (20 Secs) [==>]	[1]
	8	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24K (40)	15 Secs (15 Secs) [==>]	[1]
	9	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-9 Non-Int in Saturn_24K (40)	45 Secs (45 Secs) [==>]	[1]

Orbit Structure



Proposal 17294 - Saturn 24L (41) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Thu Nov 07 22:01:08 GMT 2024

Visit	Proposal 17294, Saturn_24L (41), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 40 BY 0.9 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL NO GYRO BIAS UPDATE ON MOVING TARGET						
	Diagnosics (F631N_2K (41.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (41.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (41.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (41.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (41.004)) 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. (F763M (41.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (41.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (41.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (41.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (41.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (41.009)) 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. (Saturn_24L (41)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern		Secondary Pattern		Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(6)	
	(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			(4)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10", SEP OF SATURN-MAPS SUN FROM EARTH LT 168D	EARTH
Comments: ELONG < 168 constraint is because observations of this target involve several consecutive visits totalling more than 10 hours. The OTA would get too cold if ELONG > 168. Description=Global Saturn Maps							

Proposal 17294 - Saturn 24L (41) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO	GS ACQ SCENARI O ONEB1OR	Sequence 1-9 Non-Int in Saturn_24L (41)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24L (41)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24L (41)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-9 Non-Int in Saturn_24L (41) Pattern 3, Exps 4-4 i n Sequence 1-9 Non- Int in Saturn_24L (4 1) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Saturn_24L (41)	2 Secs (2 Secs) [==>]	[1]
	6	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24L (41) Pattern 2, Exps 6-6 i n Sequence 1-9 Non- Int in Saturn_24L (4 1) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24L (41)	20 Secs (20 Secs) [==>]	[1]
	8	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Saturn_24L (41)	15 Secs (15 Secs) [==>]	[1]
	9	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-9 Non-Int in Saturn_24L (41)	45 Secs (45 Secs) [==>]	[1]

