



13937 - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Cycle: 22, Proposal Category: GO/DD

(Availability Mode: AVAILABLE)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(3) URANUS-MAPS	WFC3/UVIS	1	14-May-2015 21:11:18.0	yes
02	(3) URANUS-MAPS	WFC3/UVIS	1	14-May-2015 21:11:23.0	yes
03	(3) URANUS-MAPS	WFC3/UVIS	1	14-May-2015 21:11:26.0	yes
04	(3) URANUS-MAPS	WFC3/UVIS	1	14-May-2015 21:11:30.0	yes
11	(3) URANUS-MAPS	WFC3/UVIS	1	14-May-2015 21:11:34.0	yes
12	(3) URANUS-MAPS	WFC3/UVIS	1	14-May-2015 21:11:37.0	yes
13	(3) URANUS-MAPS	WFC3/UVIS	1	14-May-2015 21:11:42.0	yes
14	(3) URANUS-MAPS	WFC3/UVIS	1	14-May-2015 21:11:45.0	yes
05	(3) URANUS-MAPS	WFC3/UVIS	1	14-May-2015 21:11:49.0	yes
06	(3) URANUS-MAPS	WFC3/UVIS	1	14-May-2015 21:11:54.0	yes
07	(3) URANUS-MAPS	WFC3/UVIS	1	14-May-2015 21:11:57.0	yes
08	(3) URANUS-MAPS	WFC3/UVIS	1	14-May-2015 21:12:00.0	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>
09	(1) JUPITER-MAPS	WFC3/UVIS	1	14-May-2015 21:12:03.0	yes
15	(1) JUPITER-MAPS	WFC3/UVIS	1	14-May-2015 21:12:04.0	yes
16	(1) JUPITER-MAPS	WFC3/UVIS	1	14-May-2015 21:12:06.0	yes
17	(1) JUPITER-MAPS	WFC3/UVIS	1	14-May-2015 21:12:08.0	yes
18	(1) JUPITER-MAPS	WFC3/UVIS	1	14-May-2015 21:12:10.0	yes
19	(1) JUPITER-MAPS	WFC3/UVIS	1	14-May-2015 21:12:11.0	yes
20	(1) JUPITER-MAPS	WFC3/UVIS	1	14-May-2015 21:12:13.0	yes
21	(1) JUPITER-MAPS	WFC3/UVIS	1	14-May-2015 21:12:15.0	yes
22	(1) JUPITER-MAPS	WFC3/UVIS	1	14-May-2015 21:12:16.0	yes
23	(1) JUPITER-MAPS	WFC3/UVIS	1	14-May-2015 21:12:18.0	yes
24	(1) JUPITER-MAPS	WFC3/UVIS	1	14-May-2015 21:12:20.0	yes
25	(1) JUPITER-MAPS	WFC3/UVIS	1	14-May-2015 21:12:22.0	yes
26	(1) JUPITER-MAPS	WFC3/UVIS	1	14-May-2015 21:12:23.0	yes
27	(4) NEPTUNE-MAPS	WFC3/UVIS	1	14-May-2015 21:12:27.0	yes
28	(4) NEPTUNE-MAPS	WFC3/UVIS	1	14-May-2015 21:12:30.0	yes
29	(4) NEPTUNE-MAPS	WFC3/UVIS	1	14-May-2015 21:12:33.0	yes
30	(4) NEPTUNE-MAPS	WFC3/UVIS	1	14-May-2015 21:12:36.0	yes
31	(4) NEPTUNE-MAPS	WFC3/UVIS	1	14-May-2015 21:12:39.0	yes
32	(4) NEPTUNE-MAPS	WFC3/UVIS	1	14-May-2015 21:12:42.0	yes
33	(4) NEPTUNE-MAPS	WFC3/UVIS	1	14-May-2015 21:12:45.0	yes
34	(4) NEPTUNE-MAPS	WFC3/UVIS	1	14-May-2015 21:12:48.0	yes

33 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-

Proposal 13937 (STScI Edit Number: 30, Created: Thursday, May 14, 2015 8:12:49 PM EST) - Overview

domain studies. The Hubble Space Telescope is a unique asset to planetary science, allowing high spatial resolution data with absolute photometric knowledge. For the outer planets, gas/ice giant planets Jupiter, Saturn, Uranus and Neptune, many phenomena happen on timescales of years to decades, and the data we propose are beyond the scope of a typical GO program. Hubble is the only platform that can provide high spatial resolution global studies of cloud coloration, activity, and motion on a consistent time basis to help constrain the underlying mechanics. Note that Saturn is not requested until 2018, when orbit allocation would increase from 29 to 41; here we show the orbits for Cycle 22.

Proposal 13937 - Uranus 14A (01) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:50 GMT 2015

Visit	<p>Proposal 13937, Uranus_14A (01), failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BEFORE 12-NOV-2014:00:00:00</p> <p><i>Comments: Opposition +/- 35 days preferred</i></p>						
	<p>(FQ619N_quadA (01.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.</p> <p>(FQ727N_quadD (01.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.</p> <p>(FQ924N_quadD (01.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.</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), (2-3), (4), (7), (8)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 13937 - Uranus 14A (01) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARIO SINGLE	Sequence 1-8 Non-Int in Uranus_14A (01)	20 Secs (40 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_14A (01) (2)	[==>(Pattern 2)]	
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14A (01)	14 Secs (28 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14A (01) (2)	[==>(Pattern 2)]	
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_14A (01)	6 Secs (12 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14A (01) (2)	[==>(Pattern 2)]	
	4	F658N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F658N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14A (01)	65 Secs (130 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 4-4 in Sequence 1-8 Non-Int in Uranus_14A (01) (2)	[==>(Pattern 2)]	
5	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_14A (01)	144 Secs (144 Secs) [==>]	[1]	
6	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14A (01)	200 Secs (200 Secs) [==>]	[1]	
7	FQ924N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14A (01)	100 Secs (200 Secs) [==>(Pattern 1)]	[1]	
							Pattern 2, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_14A (01) (2)	[==>(Pattern 2)]		
8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14A (01)	20 Secs (40 Secs) [==>(Pattern 1)]	[1]	
							Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_14A (01) (2)	[==>(Pattern 2)]		

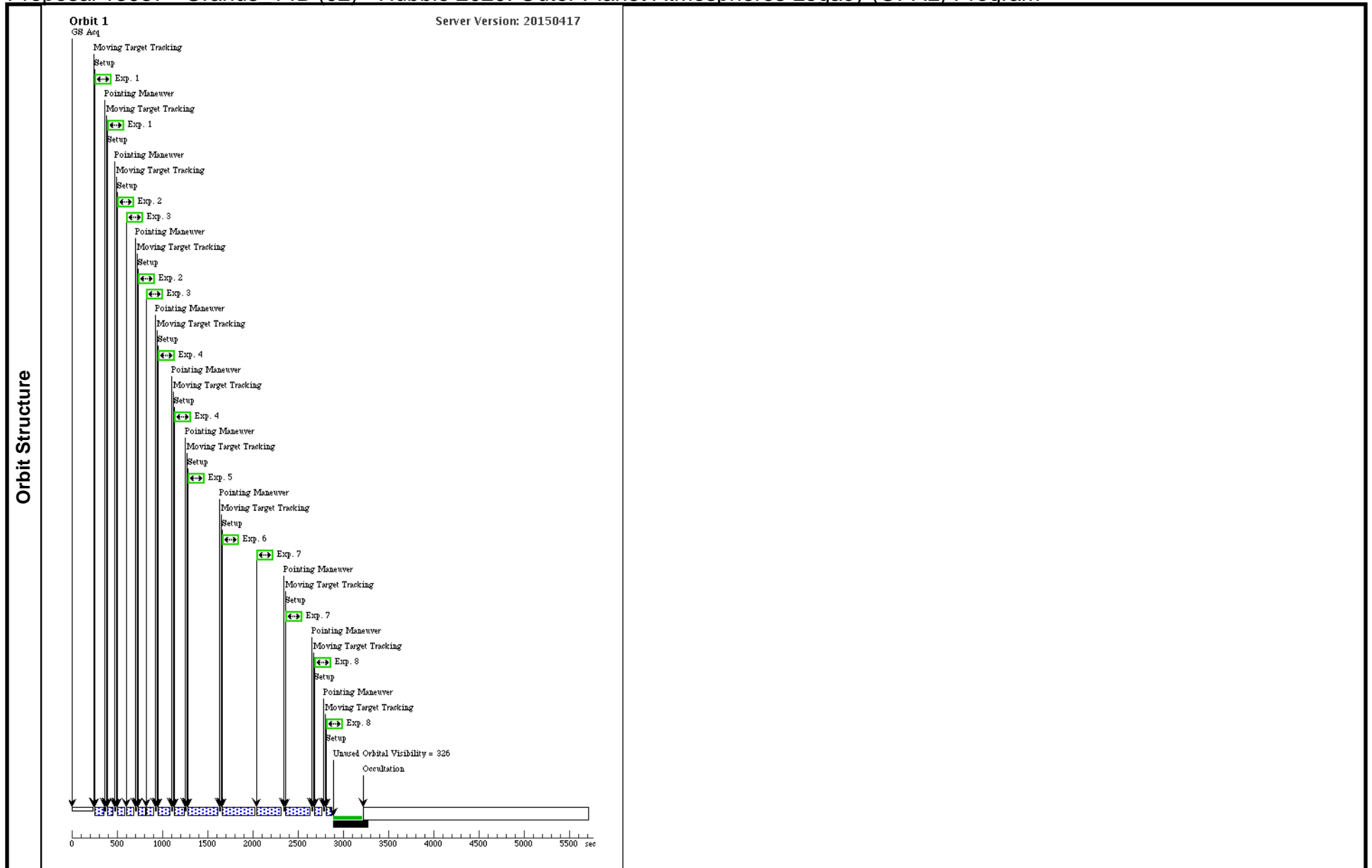
Proposal 13937 - Uranus 14B (02) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:50 GMT 2015

Visit	<p>Proposal 13937, Uranus_14B (02), failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 01 BY 2.9 Orbits TO 3.1 Orbits</p> <p><i>Comments: Opposition +/- 35 days preferred</i></p>						
	<p>(FQ619N_quadA (02.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.</p> <p>(FQ727N_quadD (02.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.</p> <p>(FQ924N_quadD (02.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.</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), (2-3), (4), (7), (8)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 13937 - Uranus 14B (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 SINGLE	Sequence 1-8 Non-Int in Uranus_14B (02)	20 Secs (40 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_14B (02) (2)	[==>(Pattern 2)]	
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14B (02)	14 Secs (28 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14B (02) (2)	[==>(Pattern 2)]	
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_14B (02)	6 Secs (12 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14B (02) (2)	[==>(Pattern 2)]	
	4	F658N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F658N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14B (02)	65 Secs (130 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 4-4 in Sequence 1-8 Non-Int in Uranus_14B (02) (2)	[==>(Pattern 2)]	
5	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_14B (02)	144 Secs (144 Secs) [==>]	[1]	
6	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14B (02)	200 Secs (200 Secs) [==>]	[1]	
7	FQ924N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14B (02)	100 Secs (200 Secs) [==>(Pattern 1)]	[1]	
							Pattern 2, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_14B (02) (2)	[==>(Pattern 2)]		
8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14B (02)	20 Secs (40 Secs) [==>(Pattern 1)]	[1]	
							Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_14B (02) (2)	[==>(Pattern 2)]		



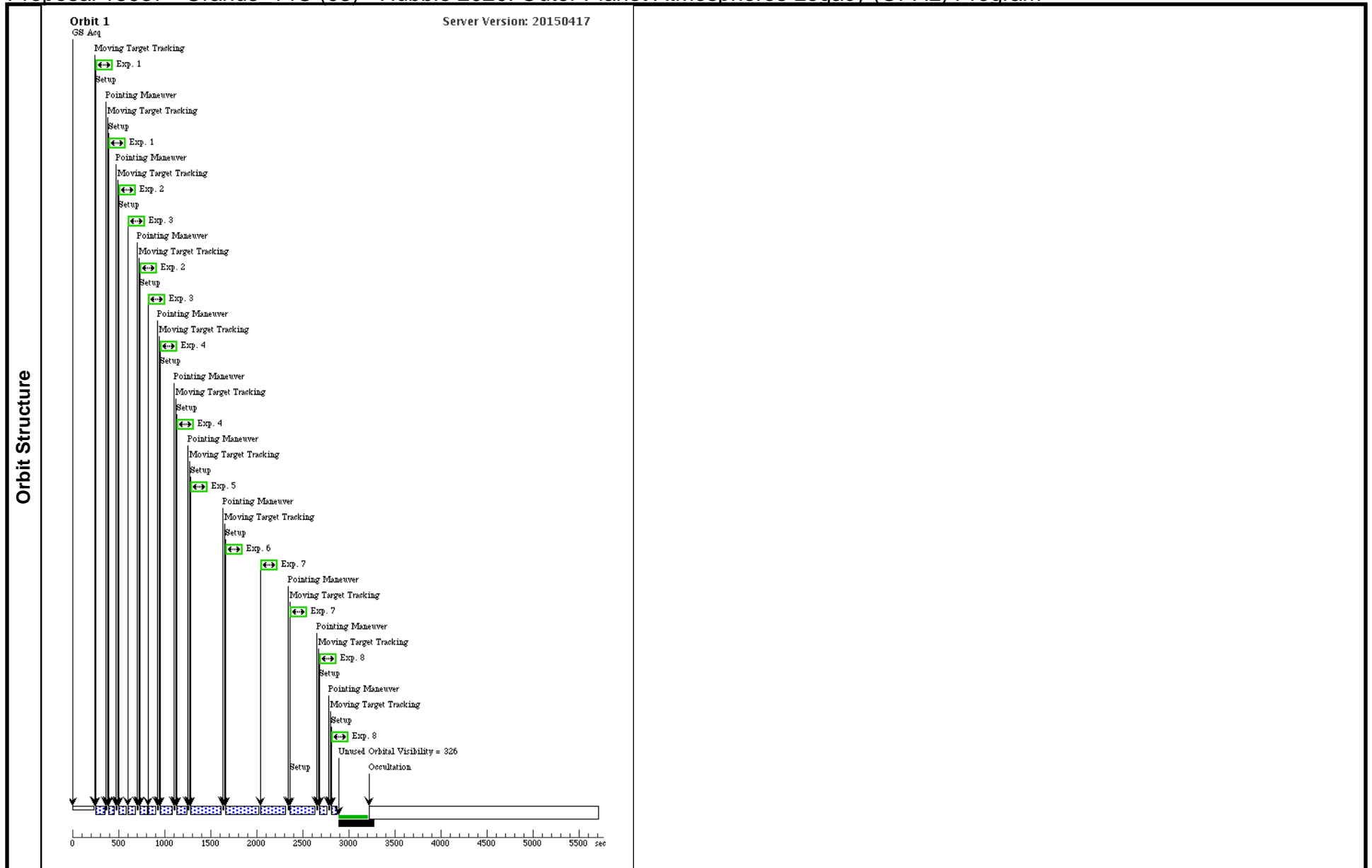
Proposal 13937 - Uranus 14C (03) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:51 GMT 2015

Visit	<p>Proposal 13937, Uranus_14C (03), failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 01 BY 5.9 Orbits TO 6.1 Orbits</p> <p><i>Comments: Opposition +/- 35 days preferred</i></p>						
	<p>(FQ619N_quadA (03.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.</p> <p>(FQ727N_quadD (03.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.</p> <p>(FQ924N_quadD (03.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.</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), (2-3), (4), (7), (8)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 13937 - Uranus 14C (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 SINGLE	Sequence 1-8 Non-Int in Uranus_14C (03)	20 Secs (40 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_14C (03) (2)	[==>(Pattern 2)]	
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14C (03)	14 Secs (28 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14C (03) (2)	[==>(Pattern 2)]	
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_14C (03)	6 Secs (12 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14C (03) (2)	[==>(Pattern 2)]	
	4	F658N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F658N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14C (03)	65 Secs (130 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 4-4 in Sequence 1-8 Non-Int in Uranus_14C (03) (2)	[==>(Pattern 2)]	
5	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_14C (03)	144 Secs (144 Secs) [==>]	[1]	
6	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14C (03)	200 Secs (200 Secs) [==>]	[1]	
7	FQ924N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14C (03)	100 Secs (200 Secs) [==>(Pattern 1)]	[1]	
							Pattern 2, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_14C (03) (2)	[==>(Pattern 2)]		
8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14C (03)	20 Secs (40 Secs) [==>(Pattern 1)]	[1]	
							Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_14C (03) (2)	[==>(Pattern 2)]		



Proposal 13937 - Uranus 14D (04) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:51 GMT 2015

Visit	Proposal 13937, Uranus_14D (04), withdrawn Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 01 BY 8.9 Orbits TO 9.1 Orbits <i>Comments: Opposition +/- 35 days preferred</i>						
	Diagnosics (FQ619N_quadA (04.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ727N_quadD (04.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ924N_quadD (04.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
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), (2-3), (4), (7), (8)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 13937 - Uranus 14D (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 SINGLE	Sequence 1-8 Non-Int in Uranus_14D (04)	20 Secs (40 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_14D (04) (2)	[==>(Pattern 2)]	
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14D (04)	14 Secs (28 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14D (04) (2)	[==>(Pattern 2)]	
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_14D (04)	6 Secs (12 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14D (04) (2)	[==>(Pattern 2)]	
	4	F658N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F658N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14D (04)	65 Secs (130 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 4-4 in Sequence 1-8 Non-Int in Uranus_14D (04) (2)	[==>(Pattern 2)]	
5	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_14D (04)	144 Secs (144 Secs) [==>]	[1]	
6	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14D (04)	200 Secs (200 Secs) [==>]	[1]	
7	FQ924N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14D (04)	100 Secs (200 Secs) [==>(Pattern 1)]	[1]	
							Pattern 2, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_14D (04) (2)	[==>(Pattern 2)]		
8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14D (04)	20 Secs (40 Secs) [==>(Pattern 1)]	[1]	
							Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_14D (04) (2)	[==>(Pattern 2)]		

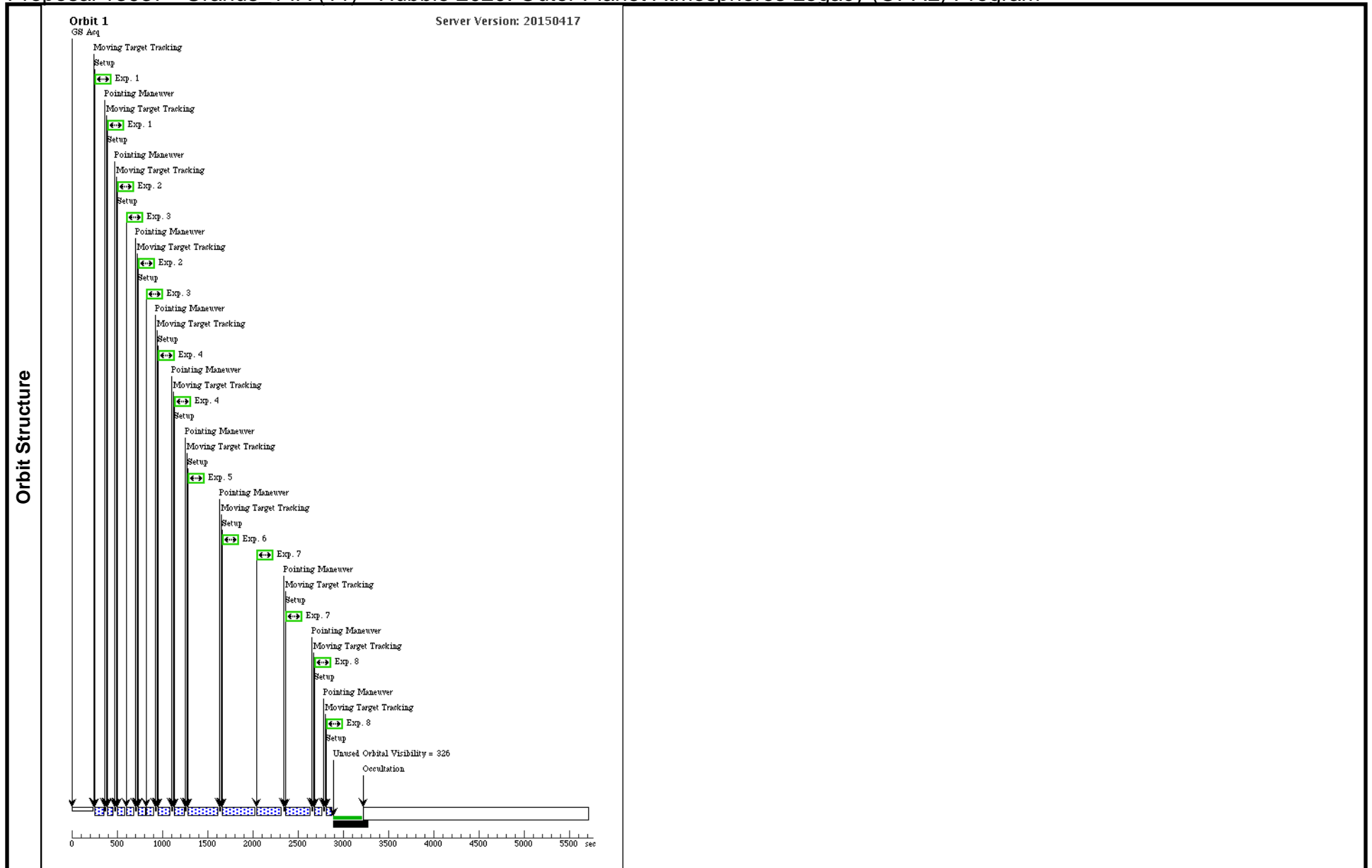
Proposal 13937 - Uranus 14A (11) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:51 GMT 2015

Visit	Proposal 13937, Uranus_14A (11), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BEFORE 12-NOV-2014:00:00:00 <i>Comments: Opposition +/- 35 days preferred</i>						
	Diagnosics (FQ619N_quadA (11.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ727N_quadD (11.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ924N_quadD (11.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
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), (2-3), (4), (7), (8)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 13937 - Uranus 14A (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	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARIO SINGLE	Sequence 1-8 Non-Int in Uranus_14A (11)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14A (11) Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_14A (1) (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; BLADE=A		Sequence 1-8 Non-Int in Uranus_14A (11) Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14A (1) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F658N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F658N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14A (11) Pattern 2, Exps 4-4 in Sequence 1-8 Non-Int in Uranus_14A (1) (2)	65 Secs (130 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_14A (11)	144 Secs (144 Secs) [==>]	[1]
	6	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14A (11)	200 Secs (200 Secs) [==>]	[1]
	7	FQ924N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14A (11) Pattern 2, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_14A (1) (2)	100 Secs (200 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_14A (11) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_14A (1) (2)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



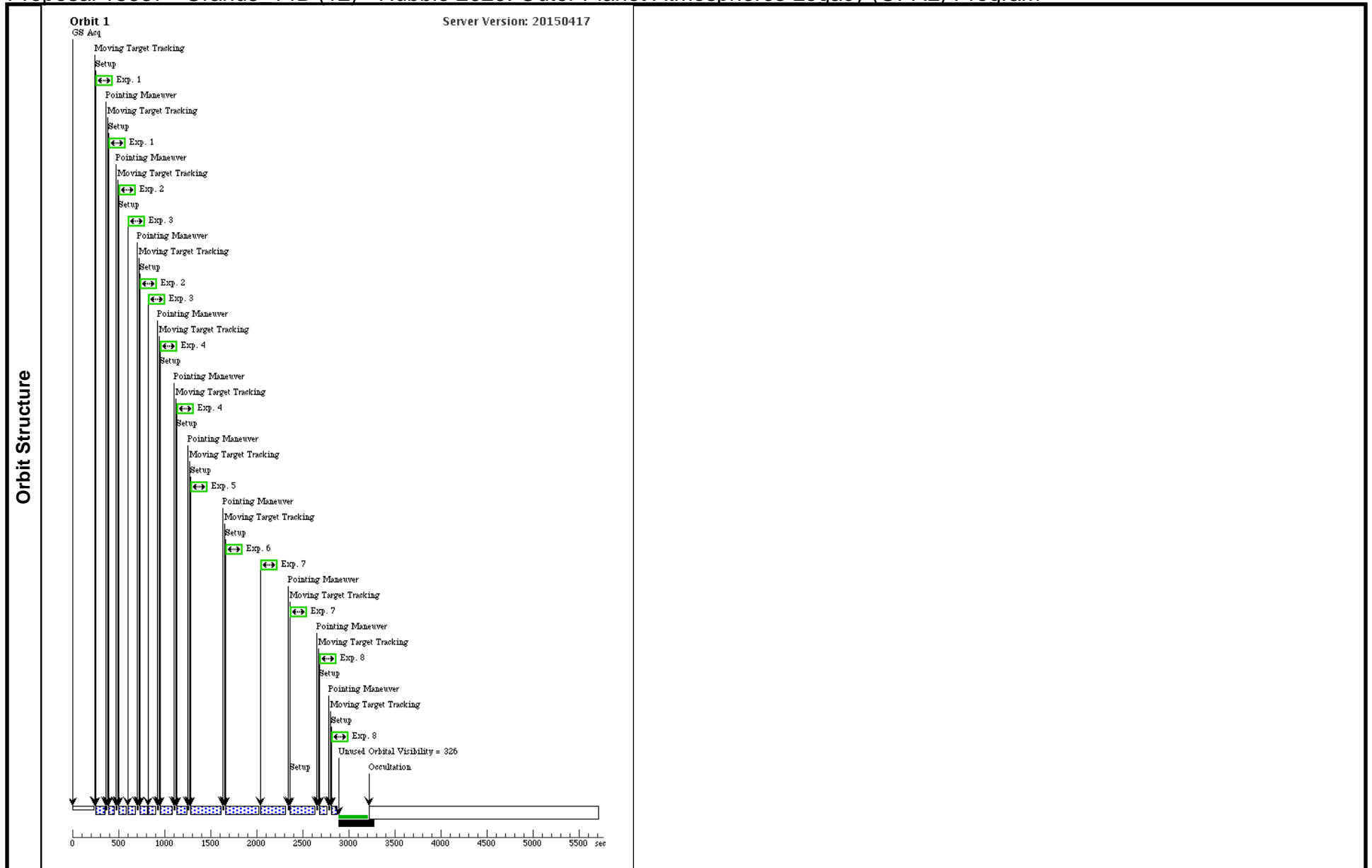
Proposal 13937 - Uranus 14B (12) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:52 GMT 2015

Visit	Proposal 13937, Uranus_14B (12), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 11 BY 2.9 Orbits TO 3.1 Orbits <i>Comments: Opposition +/- 35 days preferred</i>						
	Diagnosics (FQ619N_quadA (12.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ727N_quadD (12.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ924N_quadD (12.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
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), (2-3), (4), (7), (8)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 13937 - Uranus 14B (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	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARIO SINGLE	Sequence 1-8 Non-Int in Uranus_14B (12)	20 Secs (40 Secs)	
								Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_14B (12) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14B (12)	14 Secs (28 Secs)	
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14B (12) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_14B (12)	6 Secs (12 Secs)	
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14B (12) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F658N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F658N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14B (12)	65 Secs (130 Secs)	
								Pattern 2, Exps 4-4 in Sequence 1-8 Non-Int in Uranus_14B (12) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
5	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_14B (12)	144 Secs (144 Secs)		
								[==>]	[1]	
6	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14B (12)	200 Secs (200 Secs)		
								[==>]	[1]	
7	FQ924N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14B (12)	100 Secs (200 Secs)		
							Pattern 2, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_14B (12) (2)	[==>(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_14B (12)	20 Secs (40 Secs)		
							Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_14B (12) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	



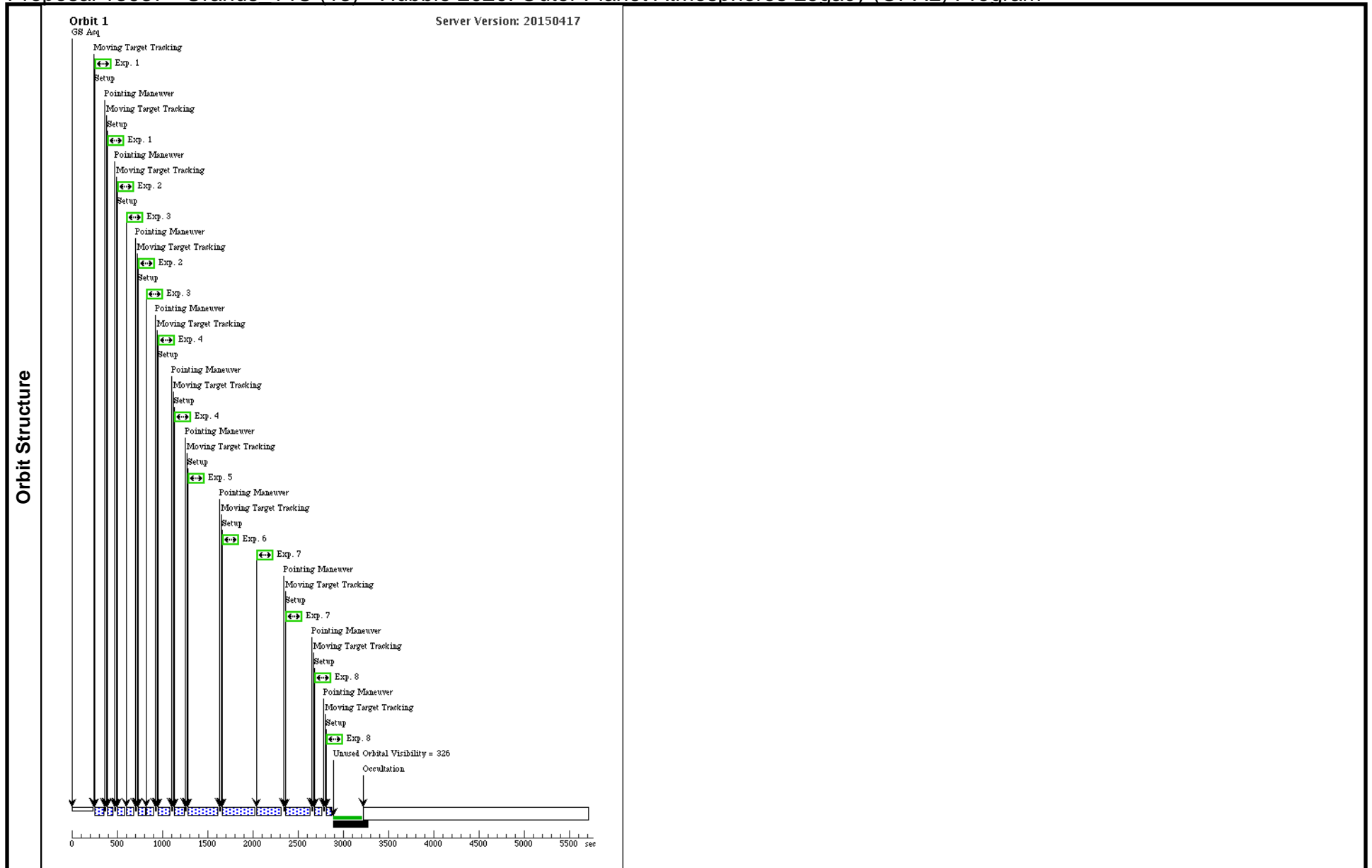
Proposal 13937 - Uranus 14C (13) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:52 GMT 2015

Visit	Proposal 13937, Uranus_14C (13), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 11 BY 5.9 Orbits TO 6.1 Orbits <i>Comments: Opposition +/- 35 days preferred</i>						
	Diagnostics	(FQ619N_quadA (13.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ727N_quadD (13.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ924N_quadD (13.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.					
Patterns		#	Primary Pattern		Secondary Pattern		
	(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), (2-3), (4), (7), (8)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 13937 - Uranus 14C (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	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARIO SINGLE	Sequence 1-8 Non-Int in Uranus_14C (13)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14C (13)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_14C (13)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F658N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F658N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14C (13)	65 Secs (130 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_14C (13)	144 Secs (144 Secs) [==>]	[1]
	6	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14C (13)	200 Secs (200 Secs) [==>]	[1]
	7	FQ924N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14C (13)	100 Secs (200 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_14C (13)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



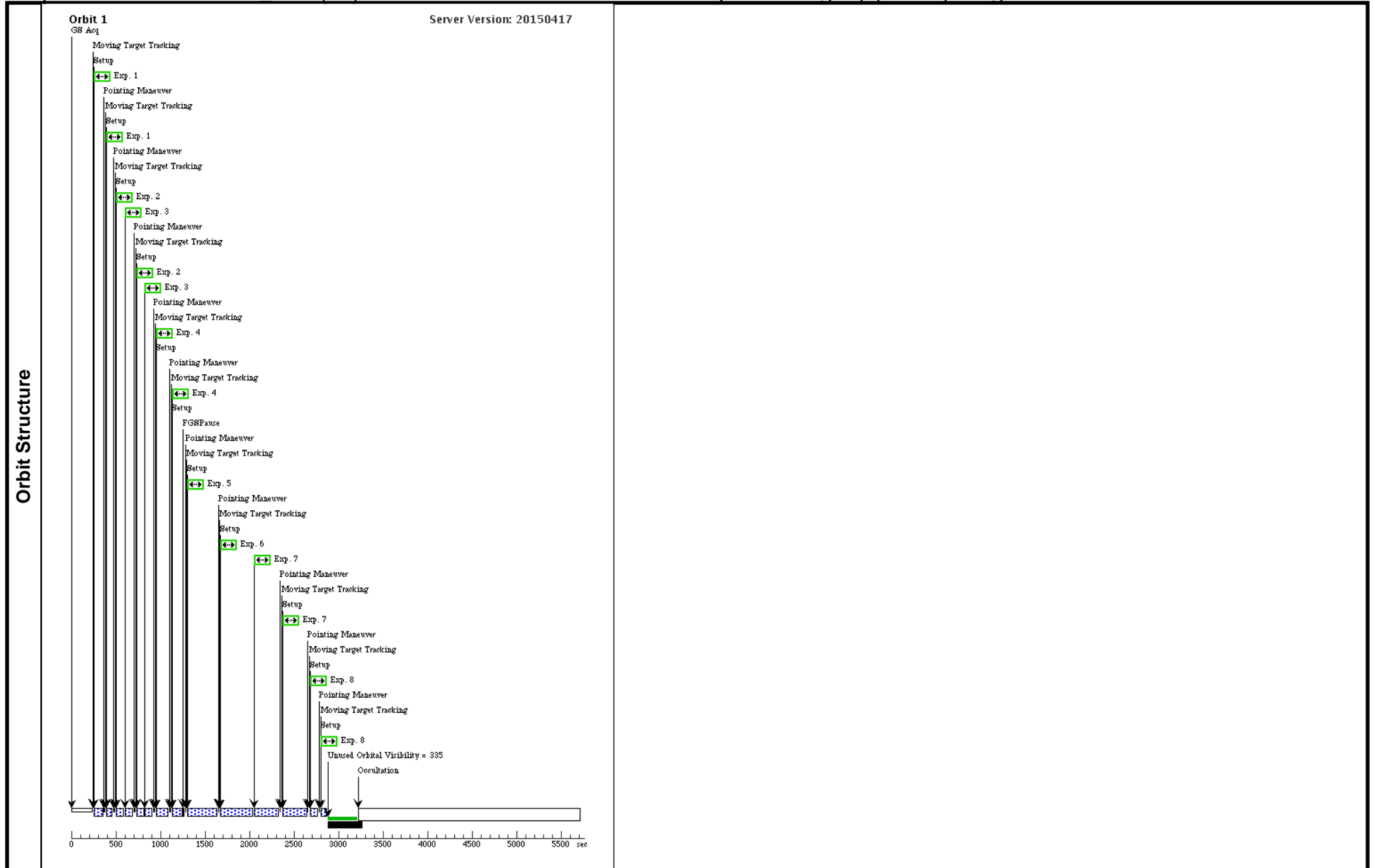
Proposal 13937 - Uranus 14D (14) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:52 GMT 2015

Visit	Proposal 13937, Uranus_14D (14), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 11 BY 8.9 Orbits TO 9.1 Orbits <i>Comments: Opposition +/- 35 days preferred</i>																			
	(Uranus_14D (14)) Warning (Orbit Planner): EXPOSURE WITH SAA CONTOUR 11 WILL EXECUTE ON GYRO (Uranus_14D (14)) Warning (Orbit Planner): EXPOSURE WITH SAA CONTOUR 11 WILL EXECUTE ON GYRO (Uranus_14D (14)) Warning (Orbit Planner): EXPOSURE WITH SAA CONTOUR 11 WILL EXECUTE ON GYRO (Uranus_14D (14)) Warning (Orbit Planner): EXPOSURE WITH SAA CONTOUR 11 WILL EXECUTE ON GYRO (FQ619N_quadA (14.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ727N_quadD (14.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ924N_quadD (14.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.																			
Diagnosics																				
Patterns	<table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td> 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 </td> <td></td> <td>(1), (2-3), (4), (7), (8)</td> </tr> </tbody> </table>	#	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), (2-3), (4), (7), (8)											
	#	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), (2-3), (4), (7), (8)																	
Solar System Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Level 1</th> <th>Level 2</th> <th>Level 3</th> <th>Window</th> <th>Ephem Center</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>URANUS-MAPS</td> <td>STD=URANUS</td> <td></td> <td></td> <td></td> <td>EARTH</td> </tr> </tbody> </table>	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(3)	URANUS-MAPS	STD=URANUS				EARTH					
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center													
(3)	URANUS-MAPS	STD=URANUS				EARTH														

Proposal 13937 - Uranus 14D (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	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARIO SINGLE	Sequence 1-8 Non-Int in Uranus_14D (14)	20 Secs (40 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_14D (14) (2)	[==>(Pattern 2)]	
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14D (14)	14 Secs (28 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14D (14) (2)	[==>(Pattern 2)]	
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_14D (14)	6 Secs (12 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14D (14) (2)	[==>(Pattern 2)]	
	4	F658N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F658N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14D (14)	65 Secs (130 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 4-4 in Sequence 1-8 Non-Int in Uranus_14D (14) (2)	[==>(Pattern 2)]	
5	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179; SAA CONTOUR 11	Sequence 1-8 Non-Int in Uranus_14D (14)	144 Secs (144 Secs) [==>]	[1]	
6	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245,+16.537; SAA CONTOUR 11	Sequence 1-8 Non-Int in Uranus_14D (14)	200 Secs (200 Secs) [==>]	[1]	
7	FQ924N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG -17.245,+16.537; SAA CONTOUR 11	Sequence 1-8 Non-Int in Uranus_14D (14)	100 Secs (200 Secs) [==>(Pattern 1)]	[1]	
							Pattern 2, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_14D (14) (2)	[==>(Pattern 2)]		
8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	SAA CONTOUR 11	Sequence 1-8 Non-Int in Uranus_14D (14)	20 Secs (40 Secs) [==>(Pattern 1)]	[1]	
							Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_14D (14) (2)	[==>(Pattern 2)]		



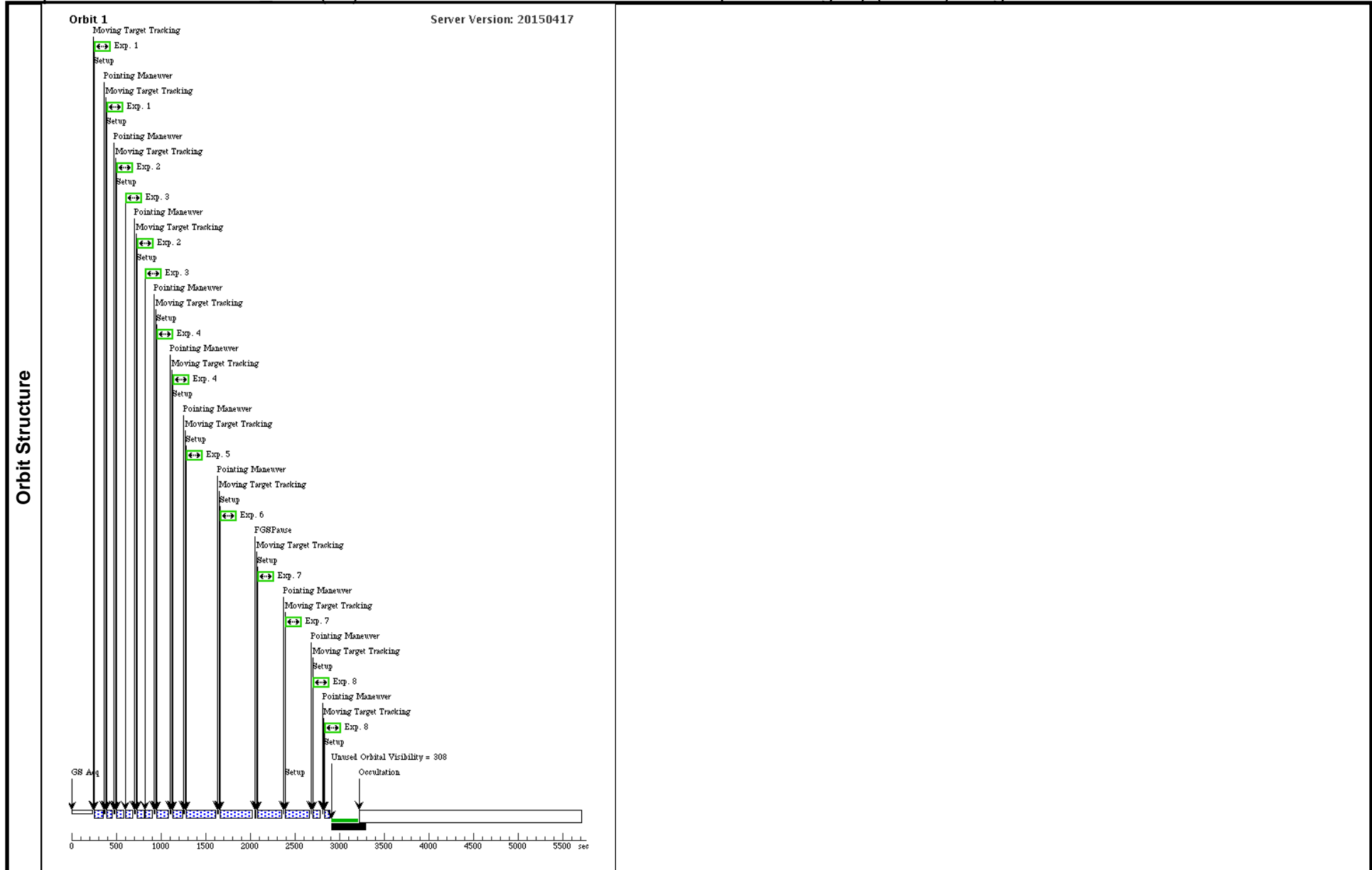
Proposal 13937 - Uranus 14E (05) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:52 GMT 2015

Visit	Proposal 13937, Uranus_14E (05), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 11 BY 11.9 Orbits TO 12.1 Orbits <i>Comments: Opposition +/- 35 days preferred</i>						
	Diagnosics (Uranus_14E (05)) Warning (Orbit Planner): EXPOSURE WITH SAA CONTOUR 11 WILL EXECUTE ON GYRO (Uranus_14E (05)) Warning (Orbit Planner): EXPOSURE WITH SAA CONTOUR 11 WILL EXECUTE ON GYRO (FQ619N_quadA (05.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ727N_quadD (05.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ924N_quadD (05.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
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), (2-3), (4), (7), (8)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 13937 - Uranus 14E (05) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARIO SINGLE	Sequence 1-8 Non-Int in Uranus_14E (05)	20 Secs (40 Secs)	
								Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_14E (05) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14E (05)	14 Secs (28 Secs)	
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14E (05) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_14E (05)	6 Secs (12 Secs)	
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14E (05) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F658N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F658N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14E (05)	65 Secs (130 Secs)	
								Pattern 2, Exps 4-4 in Sequence 1-8 Non-Int in Uranus_14E (05) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
5	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_14E (05)	144 Secs (144 Secs)		
								[==>]	[1]	
6	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14E (05)	200 Secs (200 Secs)		
								[==>]	[1]	
7	FQ924N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG -17.245,+16.537; SAA CONTOUR 11	Sequence 1-8 Non-Int in Uranus_14E (05)	100 Secs (200 Secs)		
							Pattern 2, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_14E (05) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	SAA CONTOUR 11	Sequence 1-8 Non-Int in Uranus_14E (05)	20 Secs (40 Secs)		
							Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_14E (05) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	



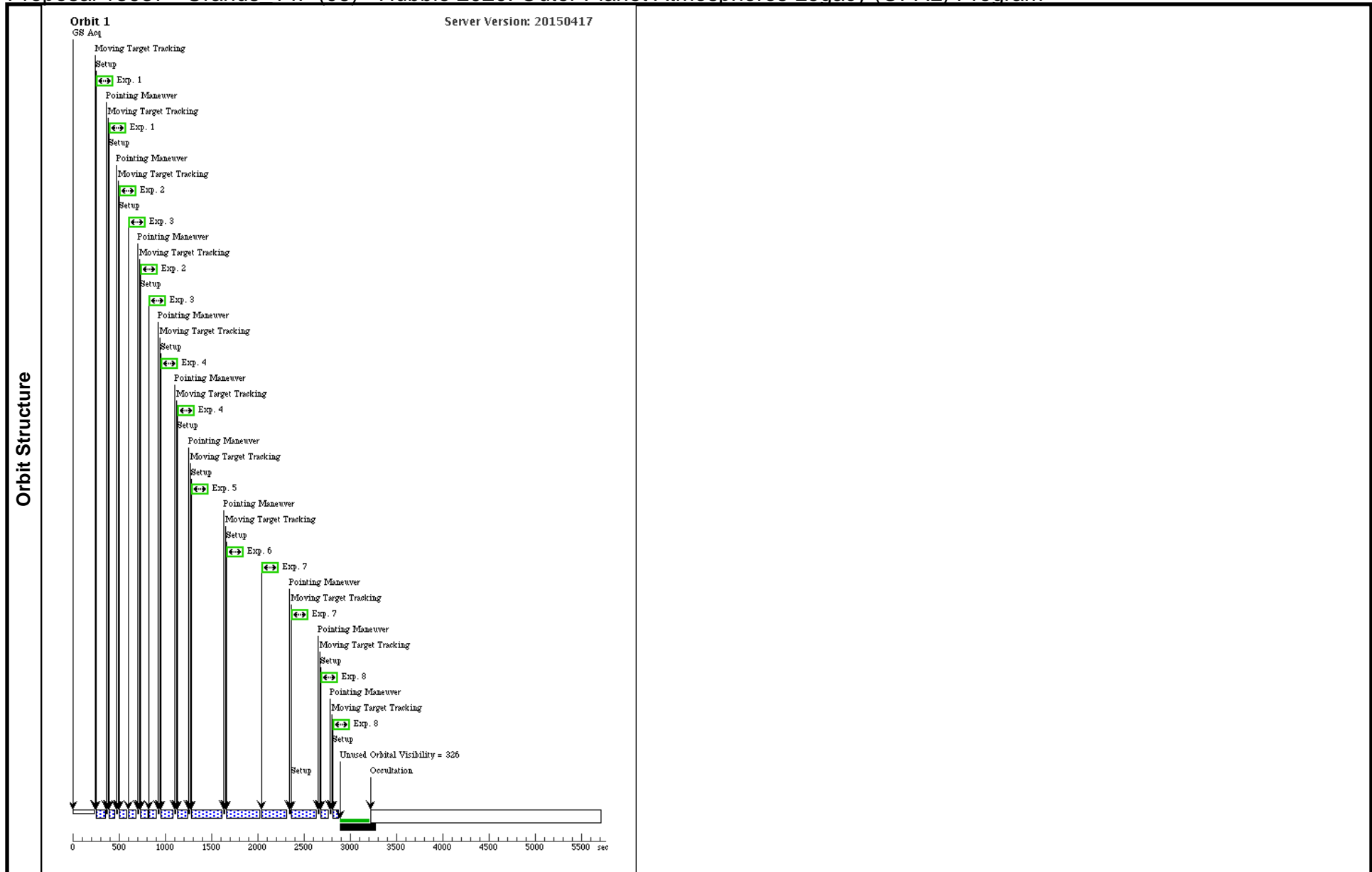
Proposal 13937 - Uranus 14F (06) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:52 GMT 2015

Visit	Proposal 13937, Uranus_14F (06), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 11 BY 13.9 Orbits TO 15.1 Orbits <i>Comments: Opposition +/- 35 days preferred</i>						
	Diagnosics (FQ619N_quadA (06.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ727N_quadD (06.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ924N_quadD (06.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
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), (2-3), (4), (7), (8)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 13937 - Uranus 14F (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 SINGLE	Sequence 1-8 Non-Int in Uranus_14F (06)	20 Secs (40 Secs)	
								Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_14F (06) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14F (06)	14 Secs (28 Secs)	
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14F (06) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_14F (06)	6 Secs (12 Secs)	
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14F (06) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F658N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F658N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14F (06)	65 Secs (130 Secs)	
								Pattern 2, Exps 4-4 in Sequence 1-8 Non-Int in Uranus_14F (06) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
5	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_14F (06)	144 Secs (144 Secs)		
								[==>]	[1]	
6	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14F (06)	200 Secs (200 Secs)		
								[==>]	[1]	
7	FQ924N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14F (06)	100 Secs (200 Secs)		
							Pattern 2, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_14F (06) (2)	[==>(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_14F (06)	20 Secs (40 Secs)		
							Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_14F (06) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	



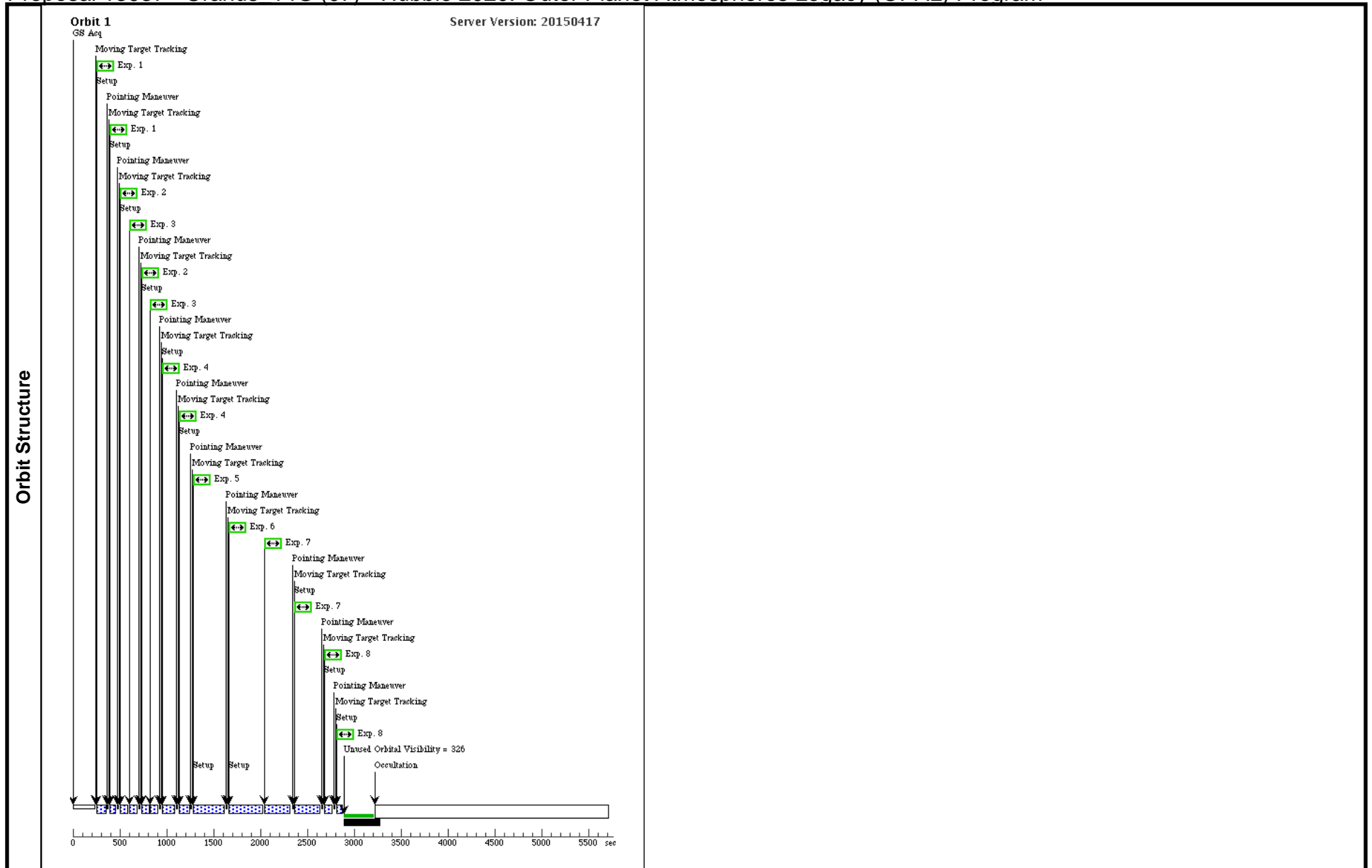
Proposal 13937 - Uranus 14G (07) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:53 GMT 2015

Visit	Proposal 13937, Uranus_14G (07), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 11 BY 16.9 Orbits TO 17.1 Orbits <i>Comments: Opposition +/- 35 days preferred</i>						
	Diagnosics (FQ619N_quadA (07.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ727N_quadD (07.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ924N_quadD (07.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
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), (2-3), (4), (7), (8)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 13937 - Uranus 14G (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 SINGLE	Sequence 1-8 Non-Int in Uranus_14G (07)	20 Secs (40 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_14G (07) (2)	[==>(Pattern 2)]	
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14G (07)	14 Secs (28 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14G (07) (2)	[==>(Pattern 2)]	
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_14G (07)	6 Secs (12 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14G (07) (2)	[==>(Pattern 2)]	
	4	F658N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F658N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14G (07)	65 Secs (130 Secs) [==>(Pattern 1)]	[1]
								Pattern 2, Exps 4-4 in Sequence 1-8 Non-Int in Uranus_14G (07) (2)	[==>(Pattern 2)]	
5	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_14G (07)	144 Secs (144 Secs) [==>]	[1]	
6	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14G (07)	200 Secs (200 Secs) [==>]	[1]	
7	FQ924N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14G (07)	100 Secs (200 Secs) [==>(Pattern 1)]	[1]	
							Pattern 2, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_14G (07) (2)	[==>(Pattern 2)]		
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_14G (07)	20 Secs (40 Secs) [==>(Pattern 1)]	[1]	
							Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_14G (07) (2)	[==>(Pattern 2)]		



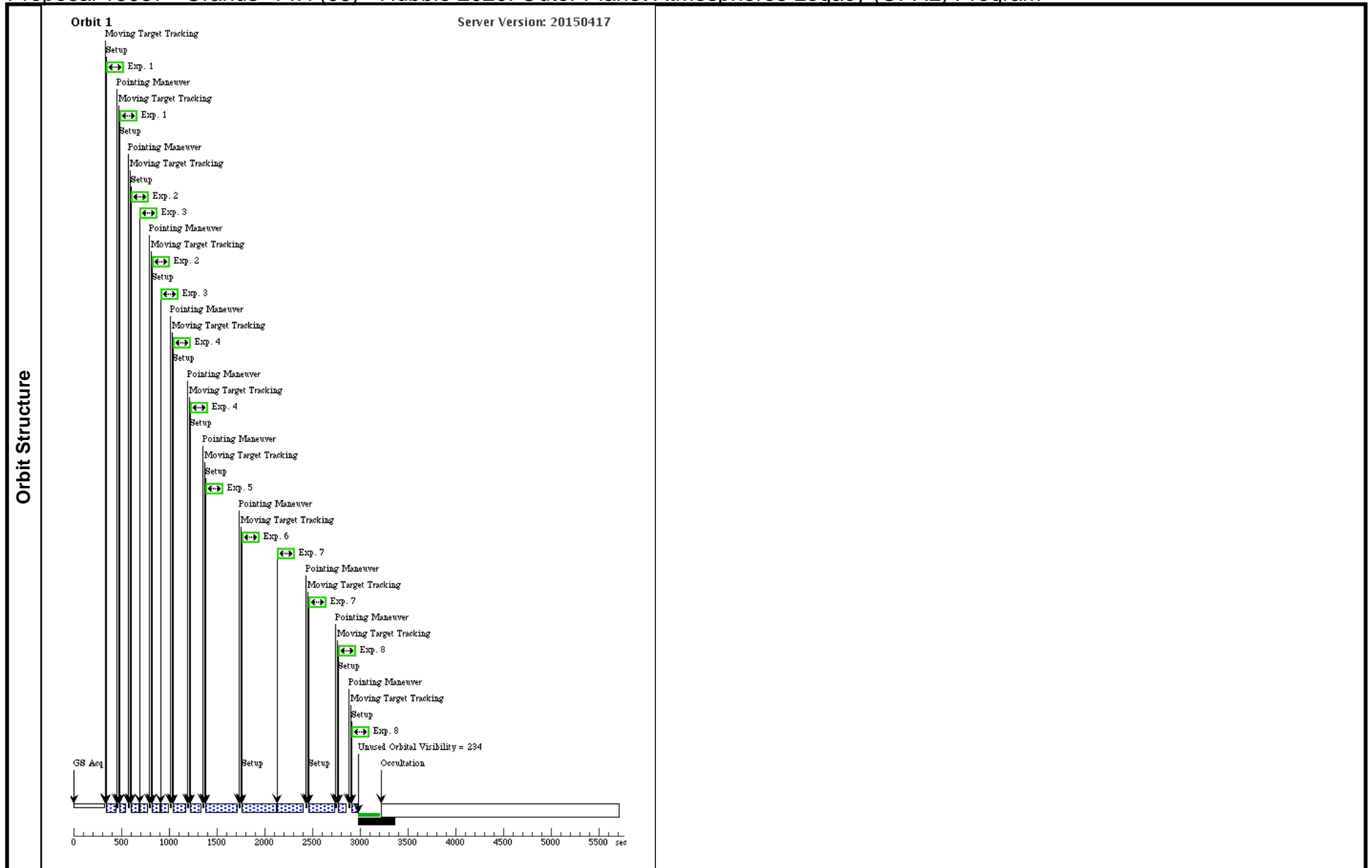
Proposal 13937 - Uranus 14H (08) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:53 GMT 2015

Visit	<p>Proposal 13937, Uranus_14H (08), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 11 BY 19.9 Orbits TO 20.1 Orbits</p> <p><i>Comments: Opposition +/- 35 days preferred</i></p>						
	<p>(FQ619N_quadA (08.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.</p> <p>(FQ727N_quadD (08.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.</p> <p>(FQ924N_quadD (08.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.</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), (2-3), (4), (7), (8)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH

Proposal 13937 - Uranus 14H (08) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

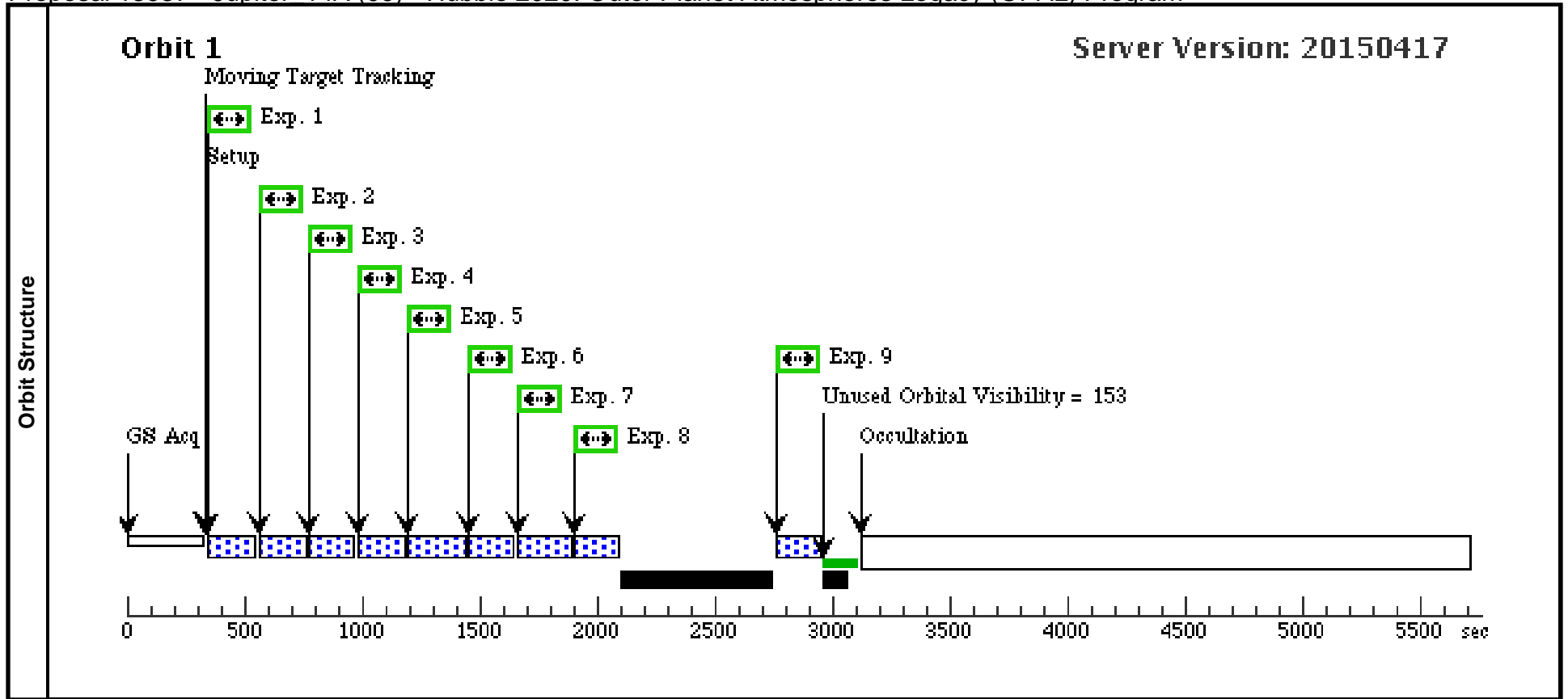
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14H (08)	20 Secs (40 Secs)	
								Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_14H (08) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14H (08)	14 Secs (28 Secs)	
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14H (08) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_14H (08)	6 Secs (12 Secs)	
								Pattern 2, Exps 2-3 in Sequence 1-8 Non-Int in Uranus_14H (08) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F658N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F658N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_14H (08)	65 Secs (130 Secs)	
								Pattern 2, Exps 4-4 in Sequence 1-8 Non-Int in Uranus_14H (08) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
5	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG 18.673,-18.179	Sequence 1-8 Non-Int in Uranus_14H (08)	144 Secs (144 Secs)		
								[==>]	[1]	
6	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14H (08)	200 Secs (200 Secs)		
								[==>]	[1]	
7	FQ924N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG -17.245,+16.537	Sequence 1-8 Non-Int in Uranus_14H (08)	100 Secs (200 Secs)		
							Pattern 2, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_14H (08) (2)	[==>(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_14H (08)	20 Secs (40 Secs)		
							Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_14H (08) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 13937 - Jupiter 14A (09) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:53 GMT 2015

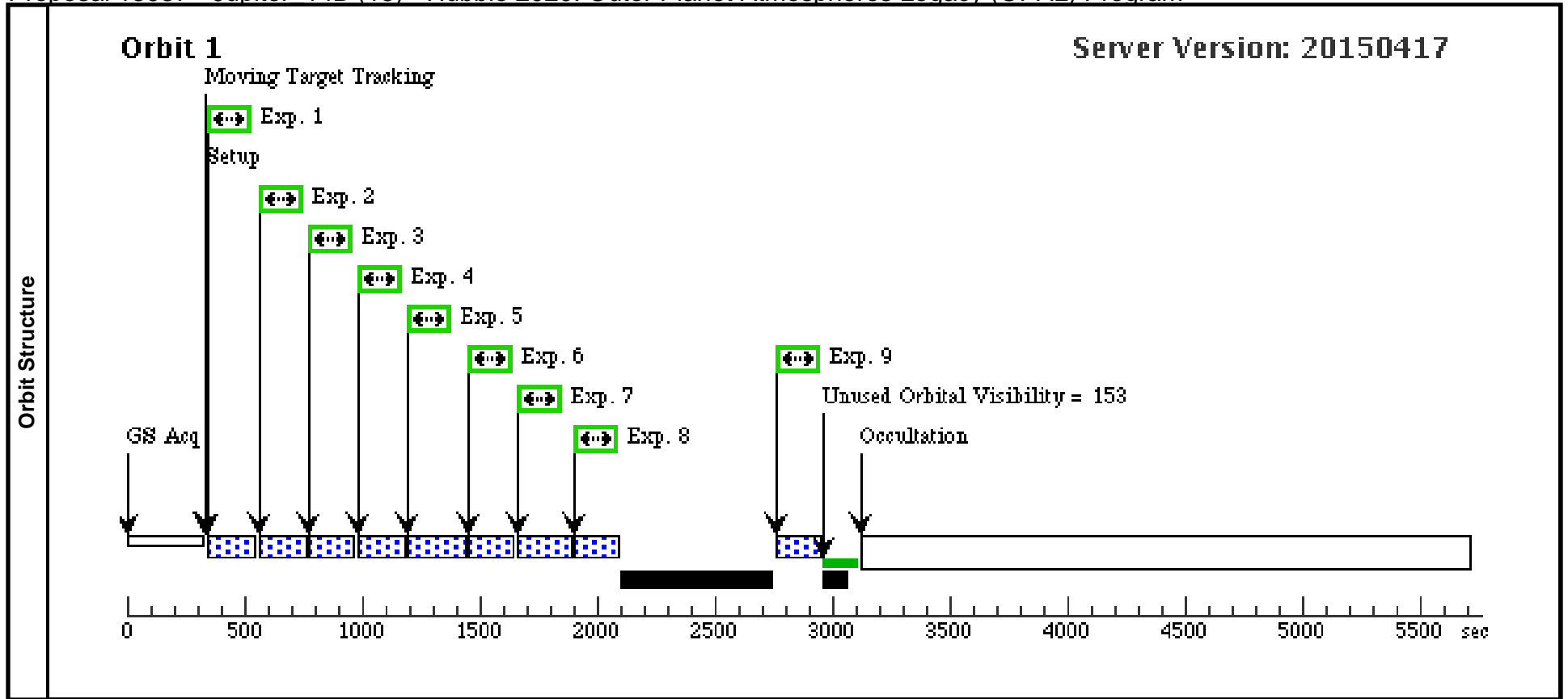
Visit	Proposal 13937, Jupiter_14A (09), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 08-JAN-2015:00:00:00 AND 09-MAR-2015:00:00:00; GROUP 09,15,16,17,18,19,20,21,22,23,24,25,26 WITHIN 1D; VISIBILITY INTERVAL 52 M Comments: Jupiter Opposition Feb 7, 2015 +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK. Or, a gap of 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it.									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14A (09)	3 Secs (3 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14A (09)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14A (09)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14A (09)	2.2 Secs (2.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14A (09)	60 Secs (60 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14A (09)	3 Secs (3 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14A (09)	30 Secs (30 Secs) [==>]	[1]
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14A (09)	.5 Secs (0.5 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_14A (09)	3 Secs (3 Secs) [==>]	[1]	



Proposal 13937 - Jupiter 14B (15) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:53 GMT 2015

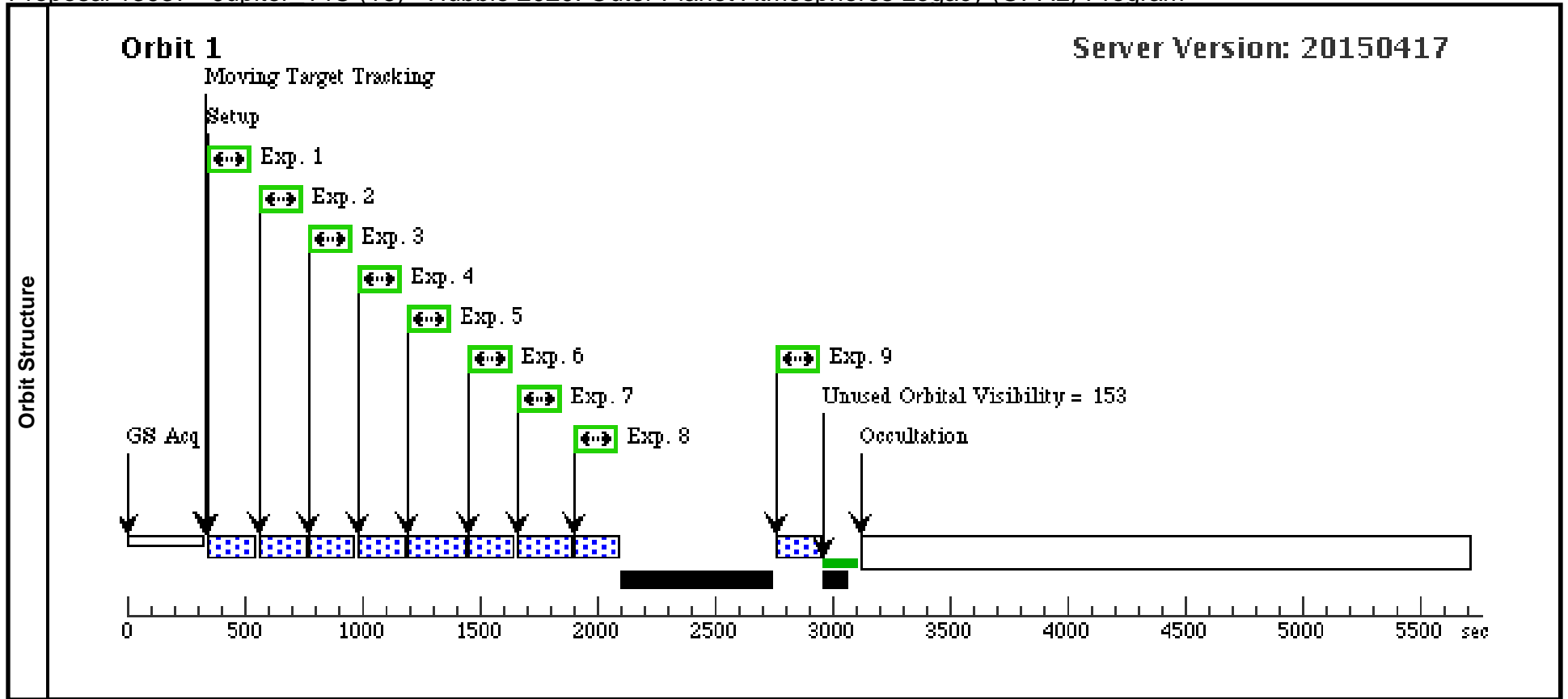
Visit	Proposal 13937, Jupiter_14B (15), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 08-JAN-2015:00:00:00 AND 09-MAR-2015:00:00:00; VISIBILITY INTERVAL 52 M Comments: Jupiter Opposition Feb 7, 2015 +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK. Or, a gap of 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it.									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14B (15)	3 Secs (3 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14B (15)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14B (15)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14B (15)	2.2 Secs (2.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14B (15)	60 Secs (60 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14B (15)	3 Secs (3 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14B (15)	30 Secs (30 Secs) [==>]	[1]
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14B (15)	.5 Secs (0.5 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_14B (15)	3 Secs (3 Secs) [==>]	[1]	



Proposal 13937 - Jupiter 14C (16) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:53 GMT 2015

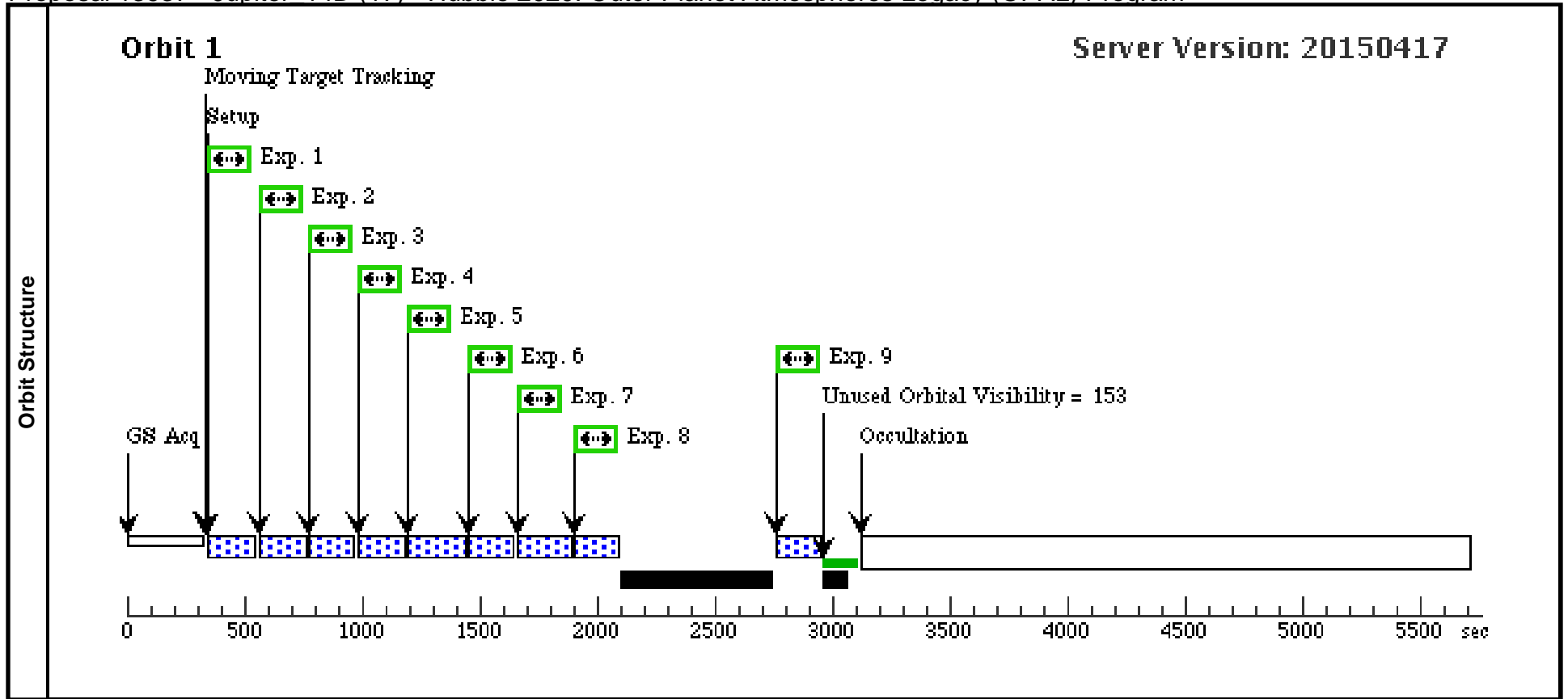
Visit	Proposal 13937, Jupiter_14C (16), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 08-JAN-2015:00:00:00 AND 09-MAR-2015:00:00:00; VISIBILITY INTERVAL 52 M Comments: Jupiter Opposition Feb 7, 2015 +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK. Or, a gap of 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it.									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14C (16)	3 Secs (3 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14C (16)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14C (16)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14C (16)	2.2 Secs (2.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14C (16)	60 Secs (60 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14C (16)	3 Secs (3 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14C (16)	30 Secs (30 Secs) [==>]	[1]
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14C (16)	.5 Secs (0.5 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_14C (16)	3 Secs (3 Secs) [==>]	[1]	



Proposal 13937 - Jupiter 14D (17) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:53 GMT 2015

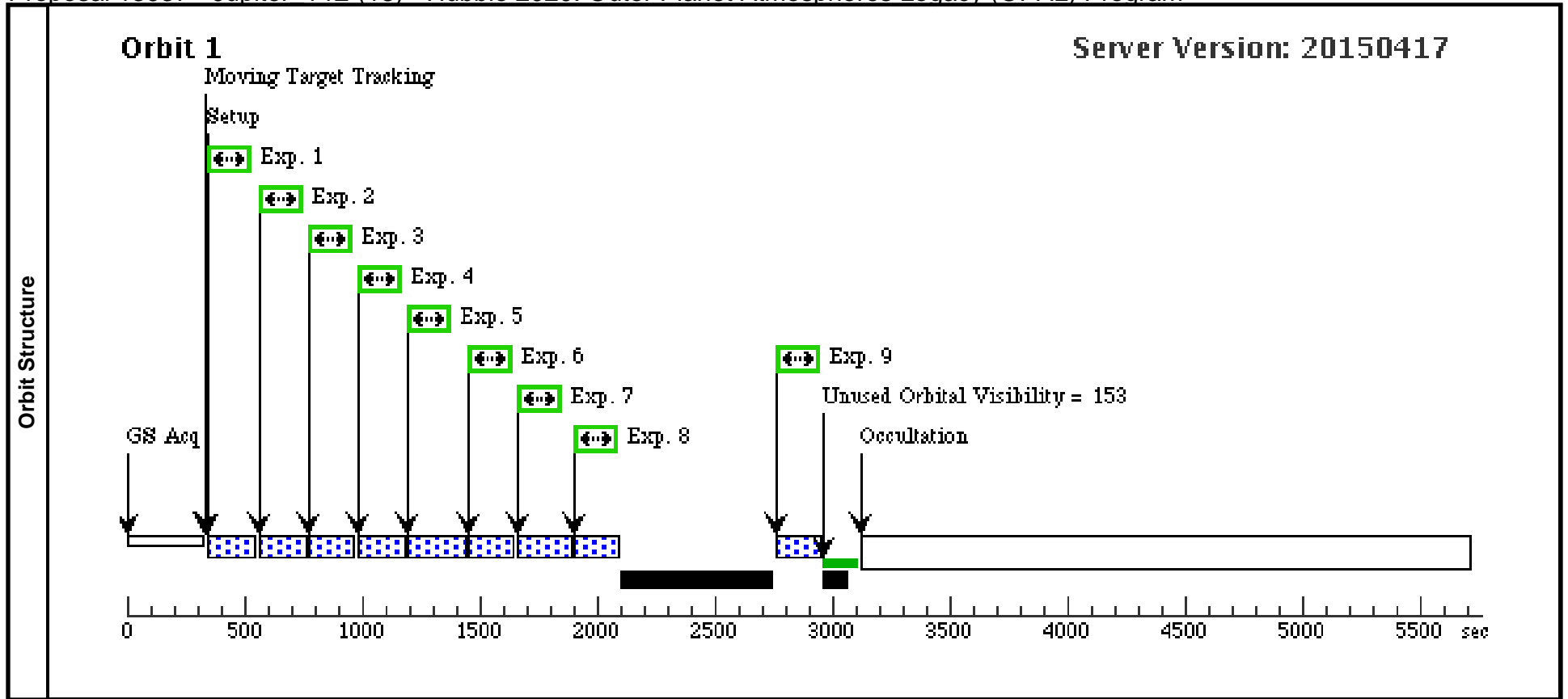
Visit	Proposal 13937, Jupiter_14D (17), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 08-JAN-2015:00:00:00 AND 09-MAR-2015:00:00:00; VISIBILITY INTERVAL 52 M Comments: Jupiter Opposition Feb 7, 2015 +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK. Or, a gap of 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it.									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14D (17)	3 Secs (3 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14D (17)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14D (17)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14D (17)	2.2 Secs (2.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14D (17)	60 Secs (60 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14D (17)	3 Secs (3 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14D (17)	30 Secs (30 Secs) [==>]	[1]
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14D (17)	.5 Secs (0.5 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_14D (17)	3 Secs (3 Secs) [==>]	[1]	



Proposal 13937 - Jupiter 14E (18) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:53 GMT 2015

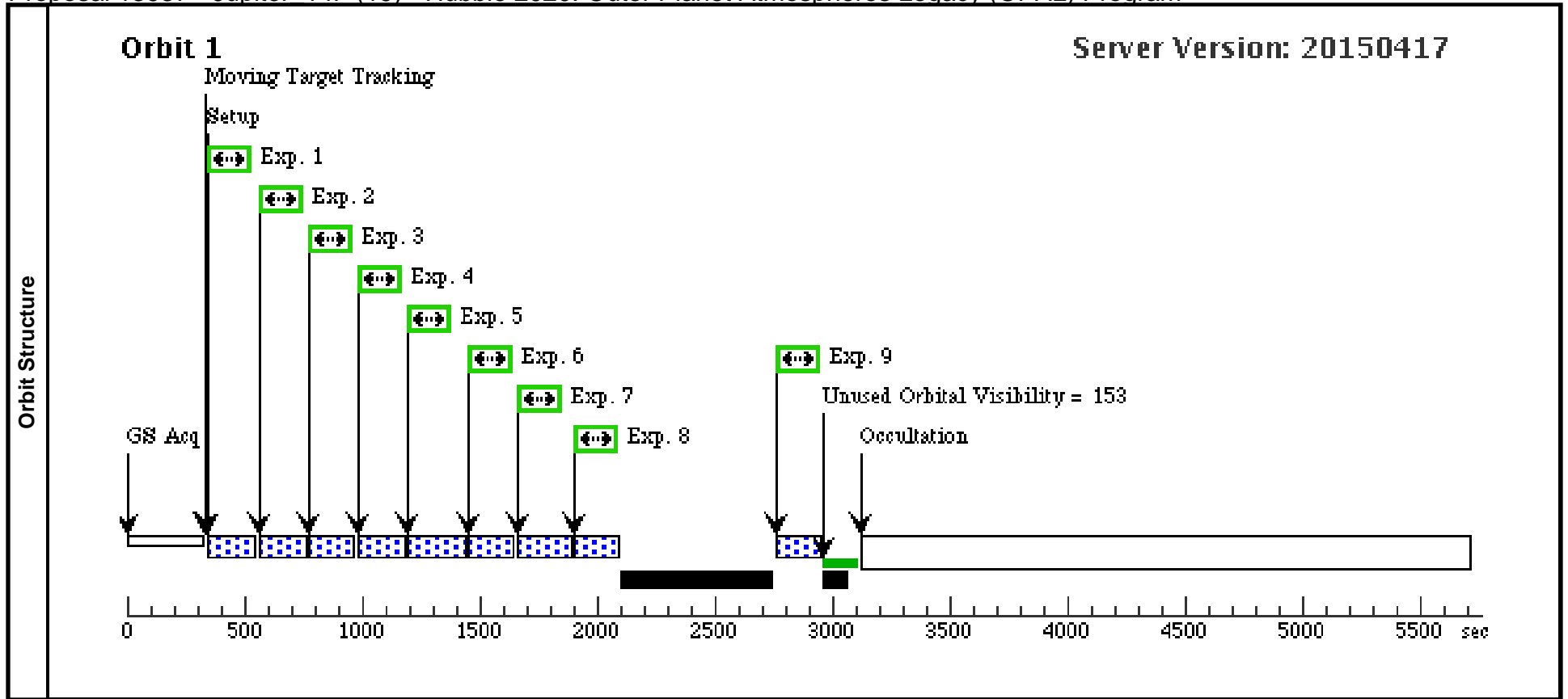
Visit	Proposal 13937, Jupiter_14E (18), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 08-JAN-2015:00:00:00 AND 09-MAR-2015:00:00:00; VISIBILITY INTERVAL 52 M Comments: Jupiter Opposition Feb 7, 2015 +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK. Or, a gap of 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it.									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14E (18)	3 Secs (3 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14E (18)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14E (18)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14E (18)	2.2 Secs (2.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14E (18)	60 Secs (60 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14E (18)	3 Secs (3 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14E (18)	30 Secs (30 Secs) [==>]	[1]
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14E (18)	.5 Secs (0.5 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_14E (18)	3 Secs (3 Secs) [==>]	[1]	



Proposal 13937 - Jupiter 14F (19) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:54 GMT 2015

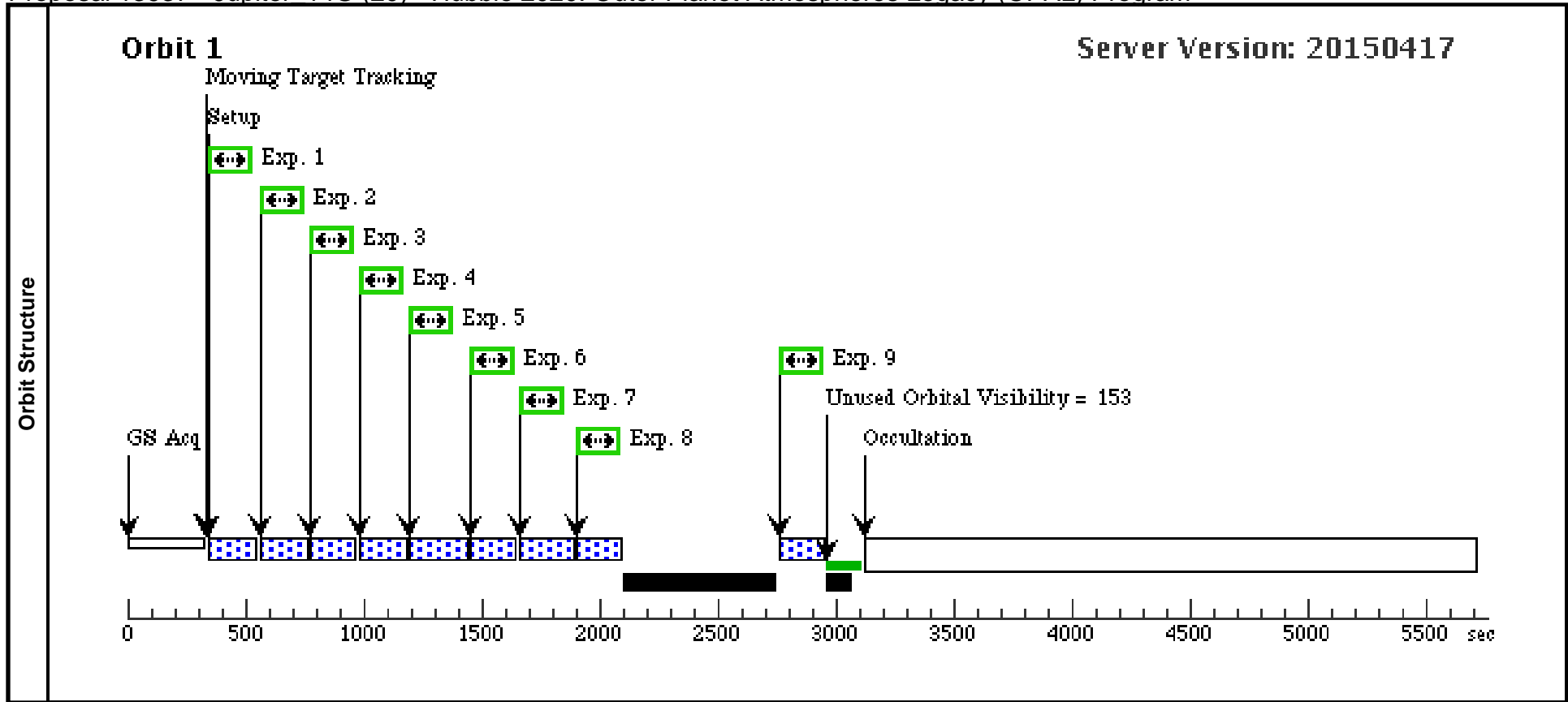
Visit	Proposal 13937, Jupiter_14F (19), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 08-JAN-2015:00:00:00 AND 09-MAR-2015:00:00:00; VISIBILITY INTERVAL 52 M Comments: Jupiter Opposition Feb 7, 2015 +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK. Or, a gap of 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it.									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14F (19)	3 Secs (3 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14F (19)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14F (19)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14F (19)	2.2 Secs (2.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14F (19)	60 Secs (60 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14F (19)	3 Secs (3 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14F (19)	30 Secs (30 Secs) [==>]	[1]
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14F (19)	.5 Secs (0.5 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_14F (19)	3 Secs (3 Secs) [==>]	[1]	



Proposal 13937 - Jupiter 14G (20) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:54 GMT 2015

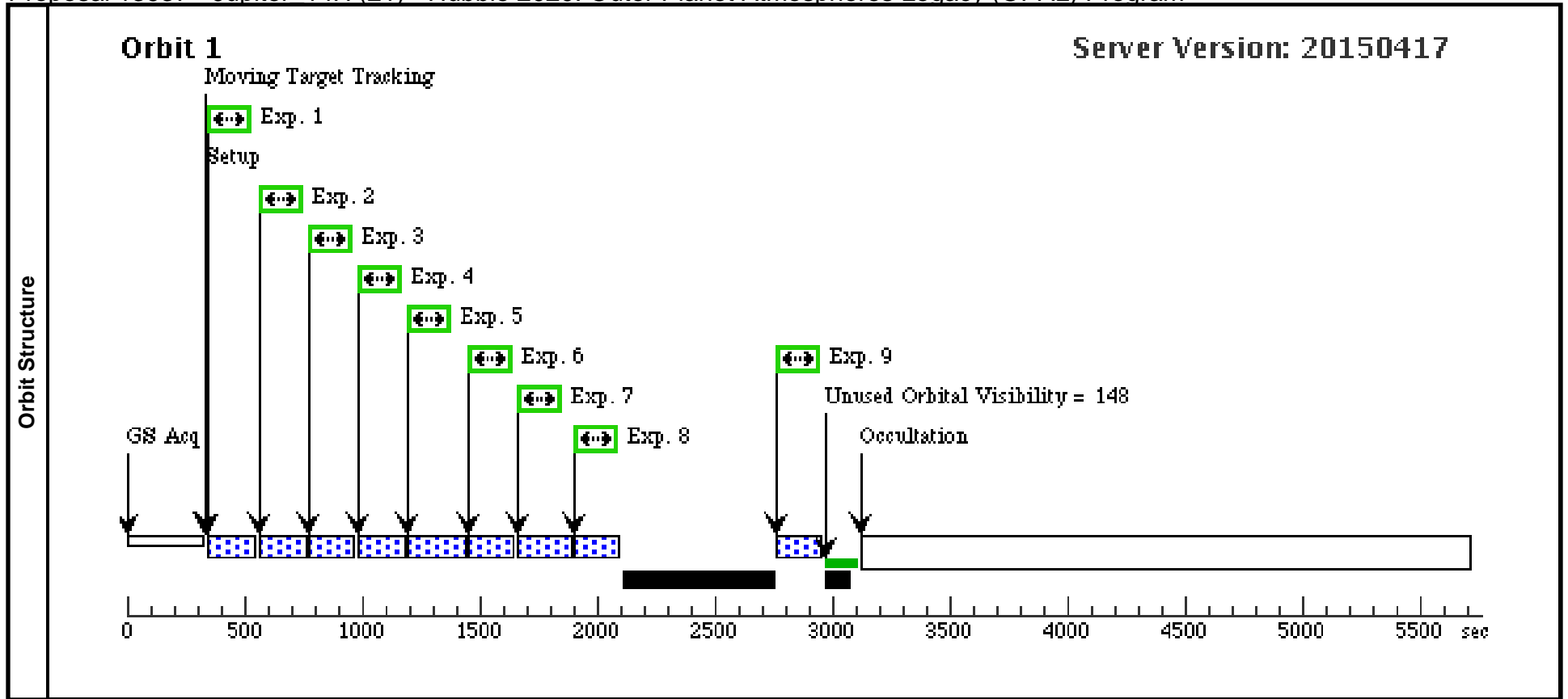
Visit	Proposal 13937, Jupiter_14G (20), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 08-JAN-2015:00:00:00 AND 09-MAR-2015:00:00:00; VISIBILITY INTERVAL 52 M Comments: Jupiter Opposition Feb 7, 2015 +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK. Or, a gap of 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it.									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14G (20)	3 Secs (3 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14G (20)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14G (20)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14G (20)	2.2 Secs (2.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14G (20)	60 Secs (60 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14G (20)	3 Secs (3 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14G (20)	30 Secs (30 Secs) [==>]	[1]
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14G (20)	.5 Secs (0.5 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_14G (20)	3 Secs (3 Secs) [==>]	[1]	



Proposal 13937 - Jupiter 14H (21) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:54 GMT 2015

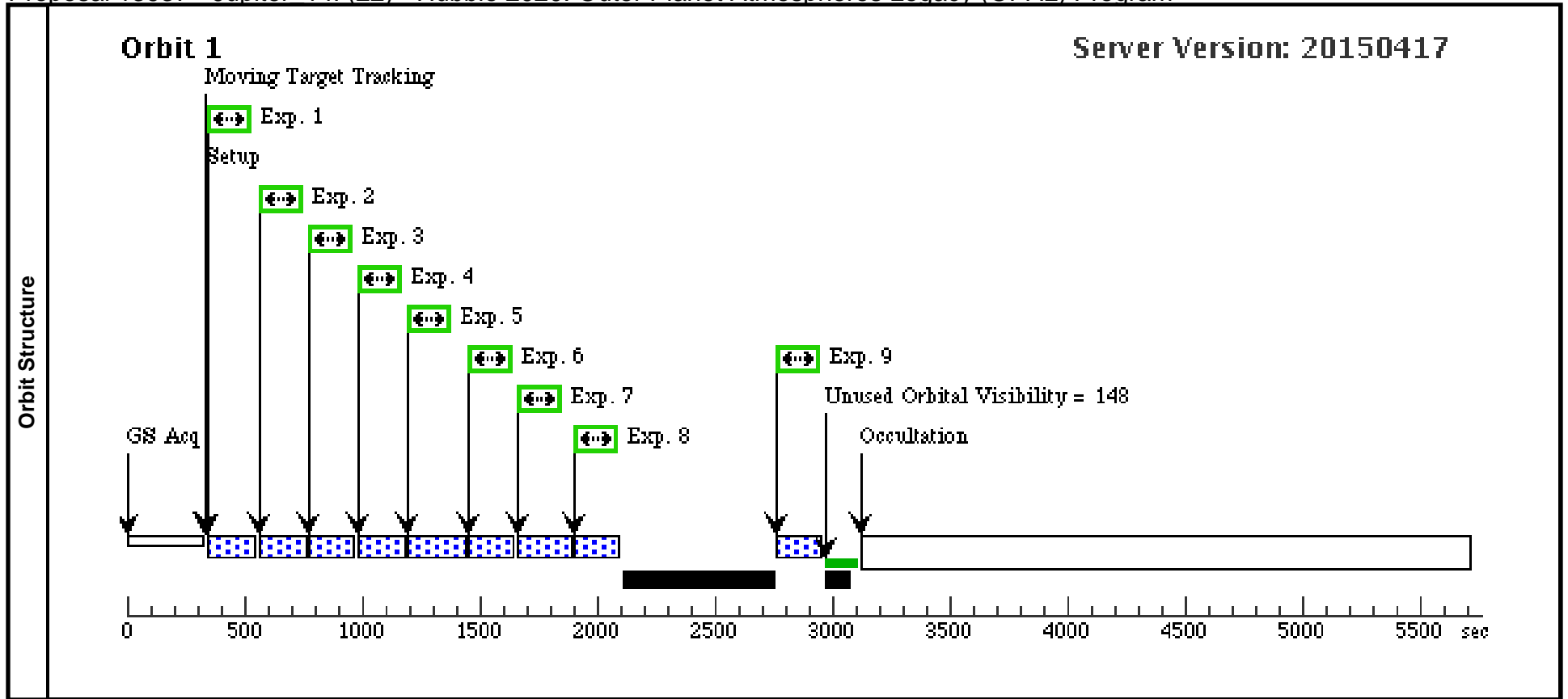
Visit	Proposal 13937, Jupiter_14H (21), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 08-JAN-2015:00:00:00 AND 09-MAR-2015:00:00:00; VISIBILITY INTERVAL 52 M Comments: Jupiter Opposition Feb 7, 2015 +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK. Or, a gap of 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it.									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14H (21)	3 Secs (3 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14H (21)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14H (21)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14H (21)	2.2 Secs (2.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14H (21)	60 Secs (60 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14H (21)	3 Secs (3 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14H (21)	30 Secs (30 Secs) [==>]	[1]
	8	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14H (21)	6 Secs (6 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_14H (21)	3 Secs (3 Secs) [==>]	[1]	



Proposal 13937 - Jupiter 14I (22) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:54 GMT 2015

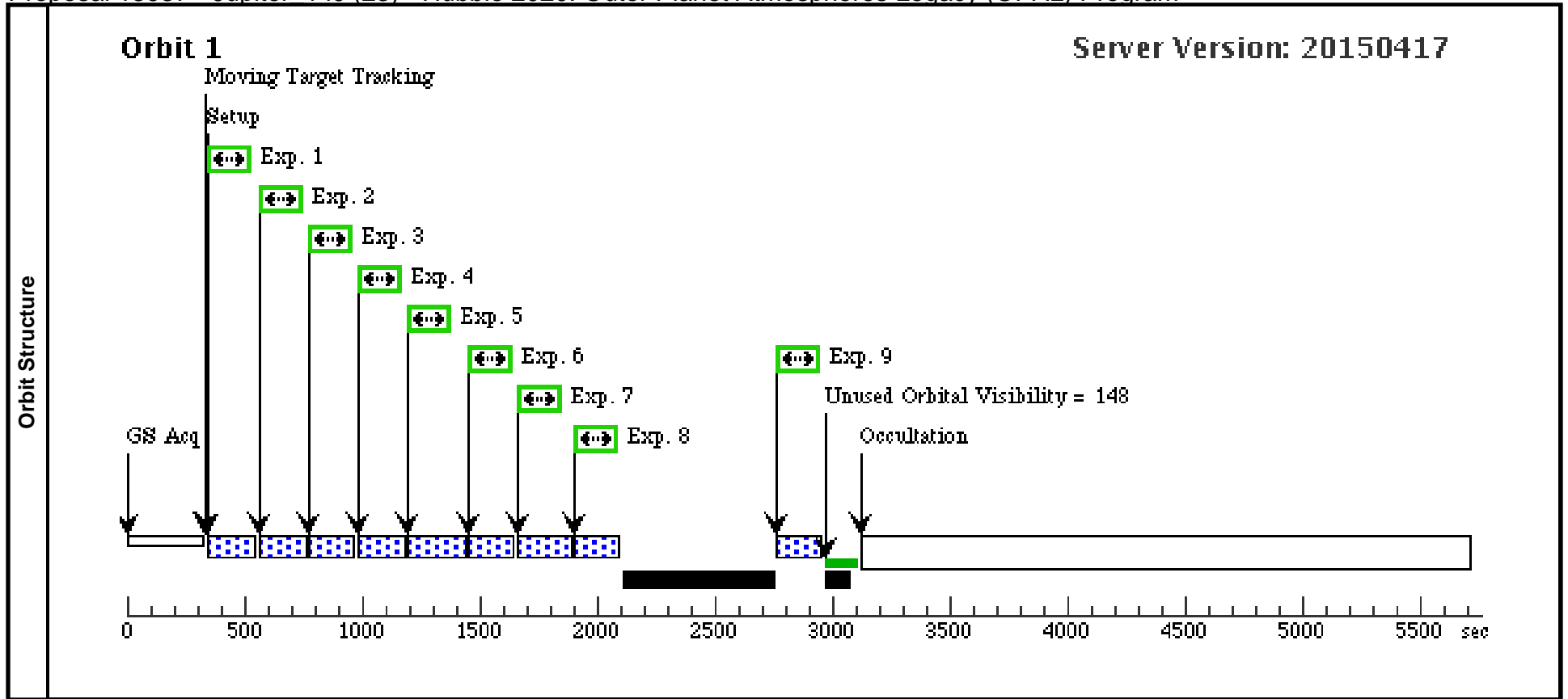
Visit	Proposal 13937, Jupiter_14I (22), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 08-JAN-2015:00:00:00 AND 09-MAR-2015:00:00:00; VISIBILITY INTERVAL 52 M Comments: Jupiter Opposition Feb 7, 2015 +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK. Or, a gap of 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it.									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14I (22)	3 Secs (3 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14I (22)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14I (22)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14I (22)	2.2 Secs (2.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14I (22)	60 Secs (60 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14I (22)	3 Secs (3 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14I (22)	30 Secs (30 Secs) [==>]	[1]
	8	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14I (22)	6 Secs (6 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_14I (22)	3 Secs (3 Secs) [==>]	[1]



Proposal 13937 - Jupiter 14J (23) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:54 GMT 2015

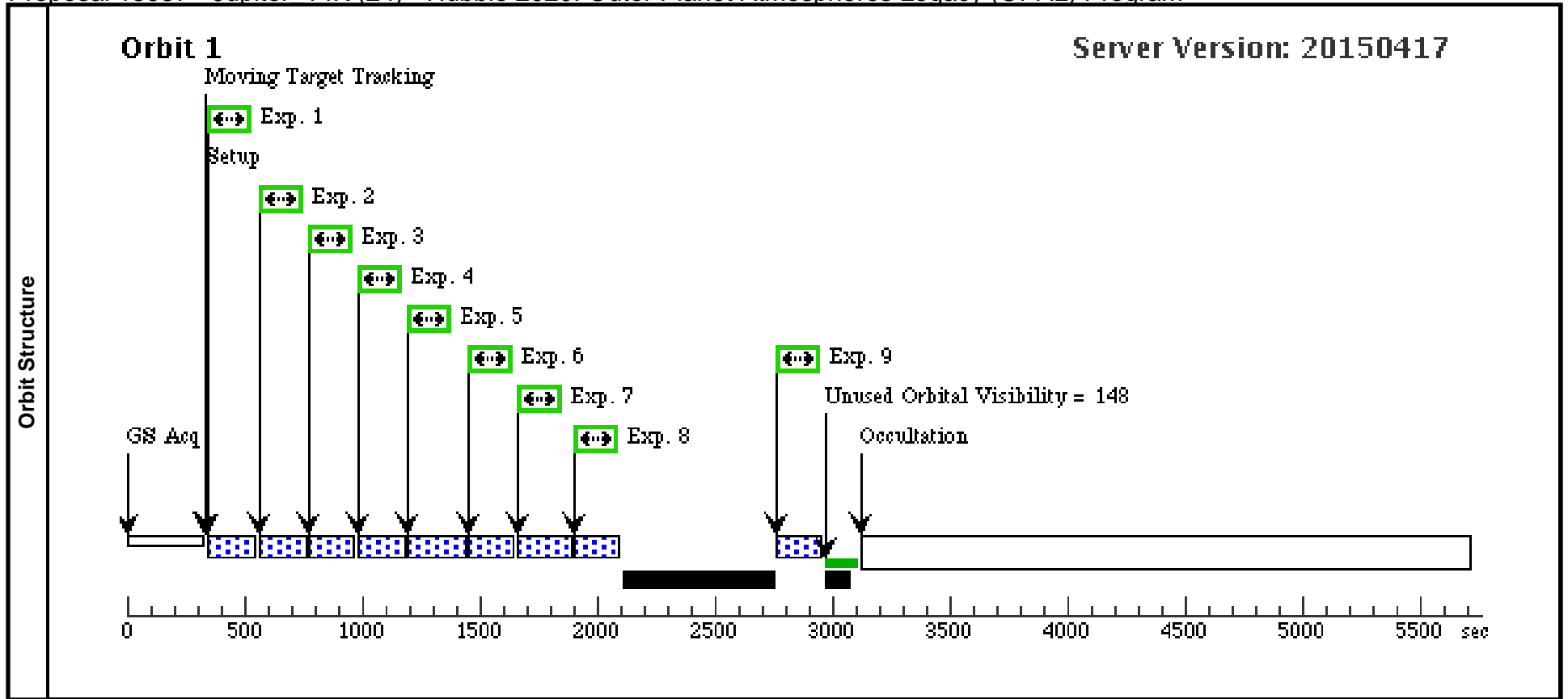
Visit	Proposal 13937, Jupiter_14J (23), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 08-JAN-2015:00:00:00 AND 09-MAR-2015:00:00:00; VISIBILITY INTERVAL 52 M Comments: Jupiter Opposition Feb 7, 2015 +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK. Or, a gap of 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it.									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14J (23)	3 Secs (3 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14J (23)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14J (23)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14J (23)	2.2 Secs (2.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14J (23)	60 Secs (60 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14J (23)	3 Secs (3 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14J (23)	30 Secs (30 Secs) [==>]	[1]
	8	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14J (23)	6 Secs (6 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_14J (23)	3 Secs (3 Secs) [==>]	[1]	



Proposal 13937 - Jupiter 14K (24) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:54 GMT 2015

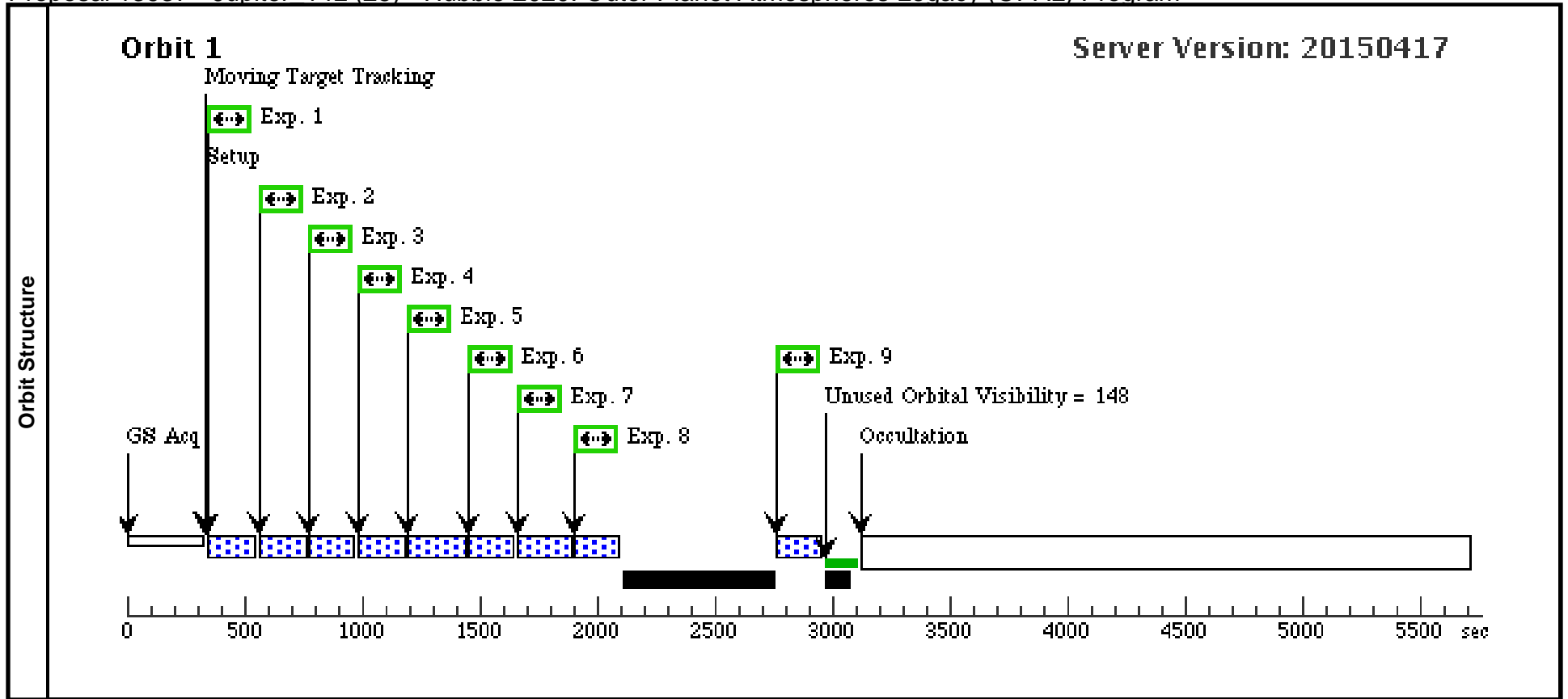
Visit	Proposal 13937, Jupiter_14K (24), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 08-JAN-2015:00:00:00 AND 09-MAR-2015:00:00:00; VISIBILITY INTERVAL 52 M Comments: Jupiter Opposition Feb 7, 2015 +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK. Or, a gap of 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it.									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14K (24)	3 Secs (3 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14K (24)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14K (24)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14K (24)	2.2 Secs (2.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14K (24)	60 Secs (60 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14K (24)	3 Secs (3 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14K (24)	30 Secs (30 Secs) [==>]	[1]
	8	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14K (24)	6 Secs (6 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_14K (24)	3 Secs (3 Secs) [==>]	[1]	



Proposal 13937 - Jupiter 14L (25) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:54 GMT 2015

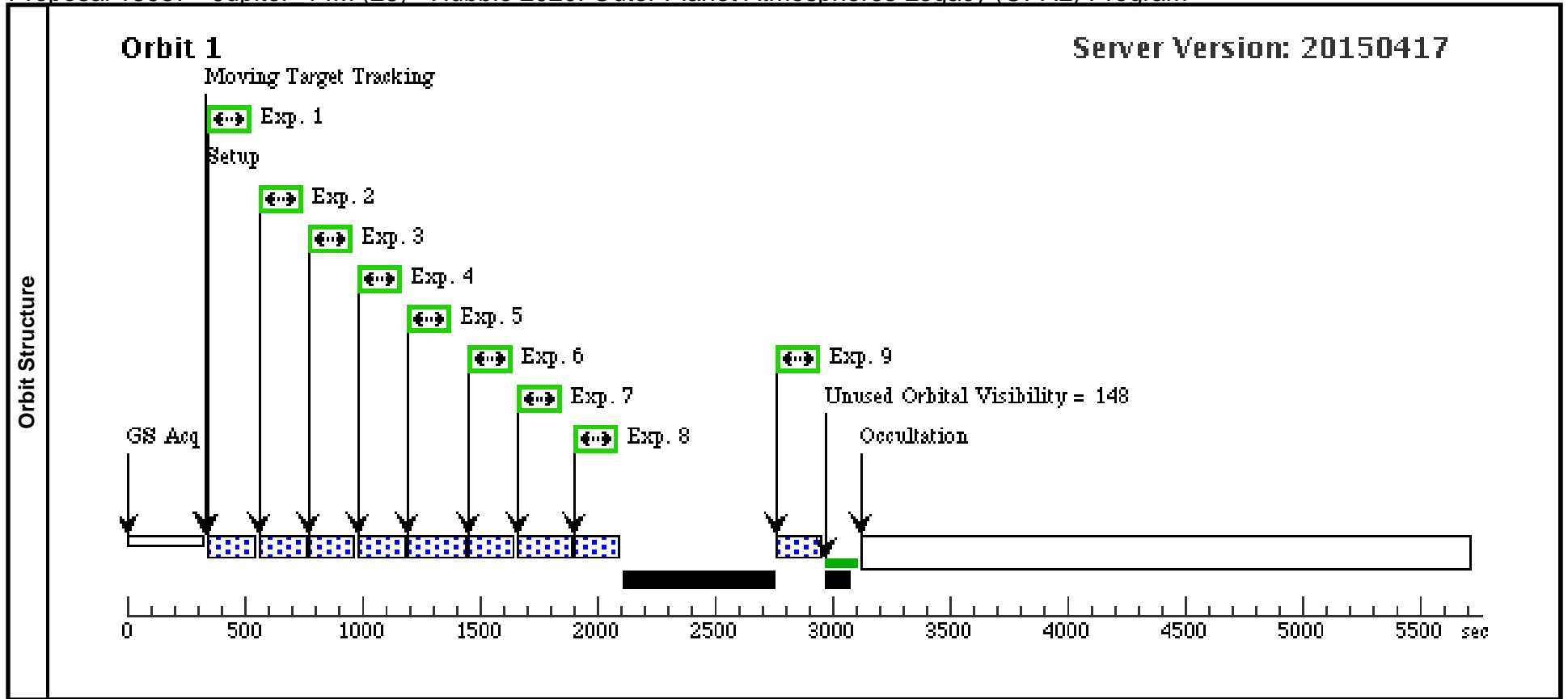
Visit	Proposal 13937, Jupiter_14L (25), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 08-JAN-2015:00:00:00 AND 09-MAR-2015:00:00:00; VISIBILITY INTERVAL 52 M Comments: Jupiter Opposition Feb 7, 2015 +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK. Or, a gap of 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it.									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14L (25)	3 Secs (3 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14L (25)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14L (25)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14L (25)	2.2 Secs (2.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14L (25)	60 Secs (60 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14L (25)	3 Secs (3 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14L (25)	30 Secs (30 Secs) [==>]	[1]
	8	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14L (25)	6 Secs (6 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_14L (25)	3 Secs (3 Secs) [==>]	[1]	



Proposal 13937 - Jupiter 14M (26) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:54 GMT 2015

Visit	Proposal 13937, Jupiter_14M (26), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 08-JAN-2015:00:00:00 AND 09-MAR-2015:00:00:00; VISIBILITY INTERVAL 52 M Comments: Jupiter Opposition Feb 7, 2015 +/- 30 days. 13 orbits, should be contiguous, if possible. A small number of single-orbit gaps between visits to minimize SAA impact are OK. Or, a gap of 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it.									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH	EARTH		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14M (26)	3 Secs (3 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14M (26)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14M (26)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14M (26)	2.2 Secs (2.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14M (26)	60 Secs (60 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14M (26)	3 Secs (3 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_14M (26)	30 Secs (30 Secs) [==>]	[1]
	8	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_14M (26)	6 Secs (6 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_14M (26)	3 Secs (3 Secs) [==>]	[1]	



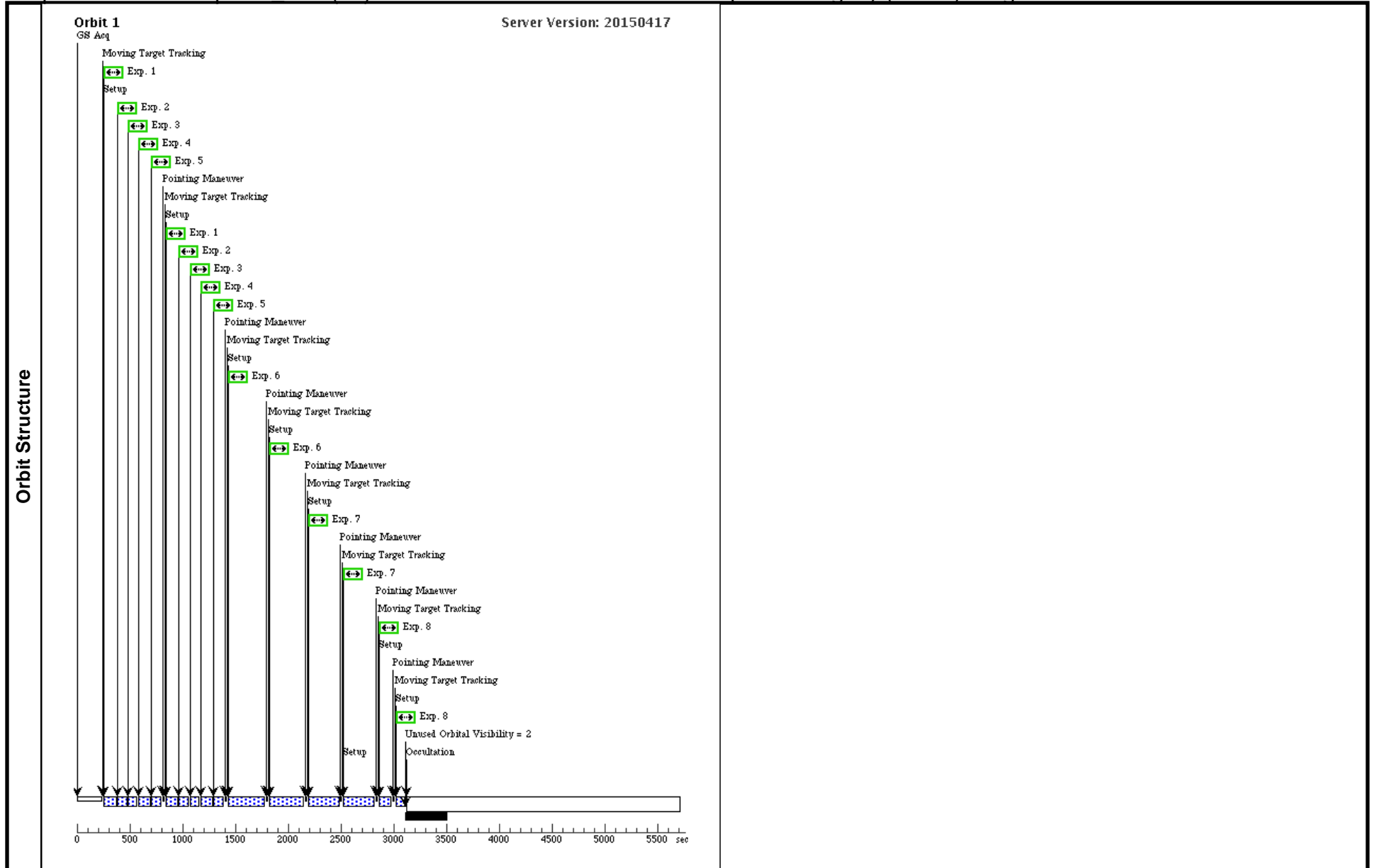
Proposal 13937 - Neptune 15A (27) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:54 GMT 2015

Visit	Proposal 13937, Neptune_15A (27), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 25-JUL-2015:00:00:00 AND 05-OCT-2015:00:00:00; VISIBILITY INTERVAL 52 M						
	(FQ727N_quadD (27.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ619N_quadA (27.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
Diagnosics							
Patterns	#	Primary Pattern		Secondary Pattern		Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=2.40001 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-5), (6), (7), (8)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH

Proposal 13937 - Neptune 15A (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	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_15A (2 7) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15A (27) (3)	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 1-8 Non-Int in Neptune_15A (2 7) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15A (27) (3)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_15A (2 7) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15A (27) (3)	12 Secs (24 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15A (2 7) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15A (27) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15A (2 7) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15A (27) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_15A (2 7) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_15A (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 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_15A (2 7) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_15A (27) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15A (2 7) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_15A (27) (3)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



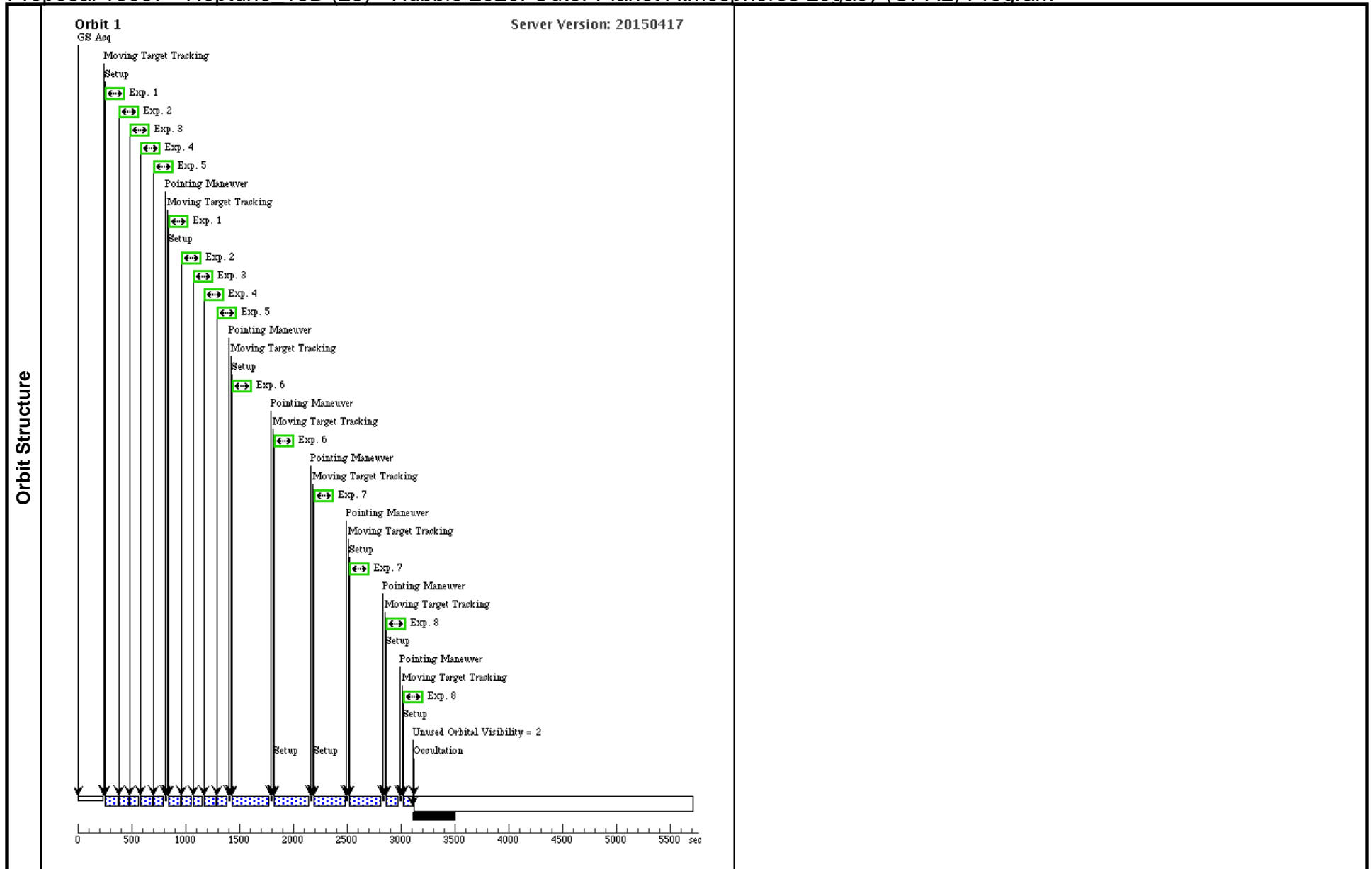
Proposal 13937 - Neptune 15B (28) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:54 GMT 2015

Visit	Proposal 13937, Neptune_15B (28), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 27 BY 4.5 H TO 5 H; VISIBILITY INTERVAL 52 M						
	(FQ727N_quadD (28.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ619N_quadA (28.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
Diagnosics							
Patterns	#	Primary Pattern		Secondary Pattern		Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=2.40001 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-5), (6), (7), (8)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH

Proposal 13937 - Neptune 15B (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	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_15B (2 8) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15B (28) (3)	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 1-8 Non-Int in Neptune_15B (2 8) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15B (28) (3)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_15B (2 8) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15B (28) (3)	12 Secs (24 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15B (2 8) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15B (28) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15B (2 8) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15B (28) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_15B (2 8) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_15B (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 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_15B (2 8) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_15B (28) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15B (2 8) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_15B (28) (3)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



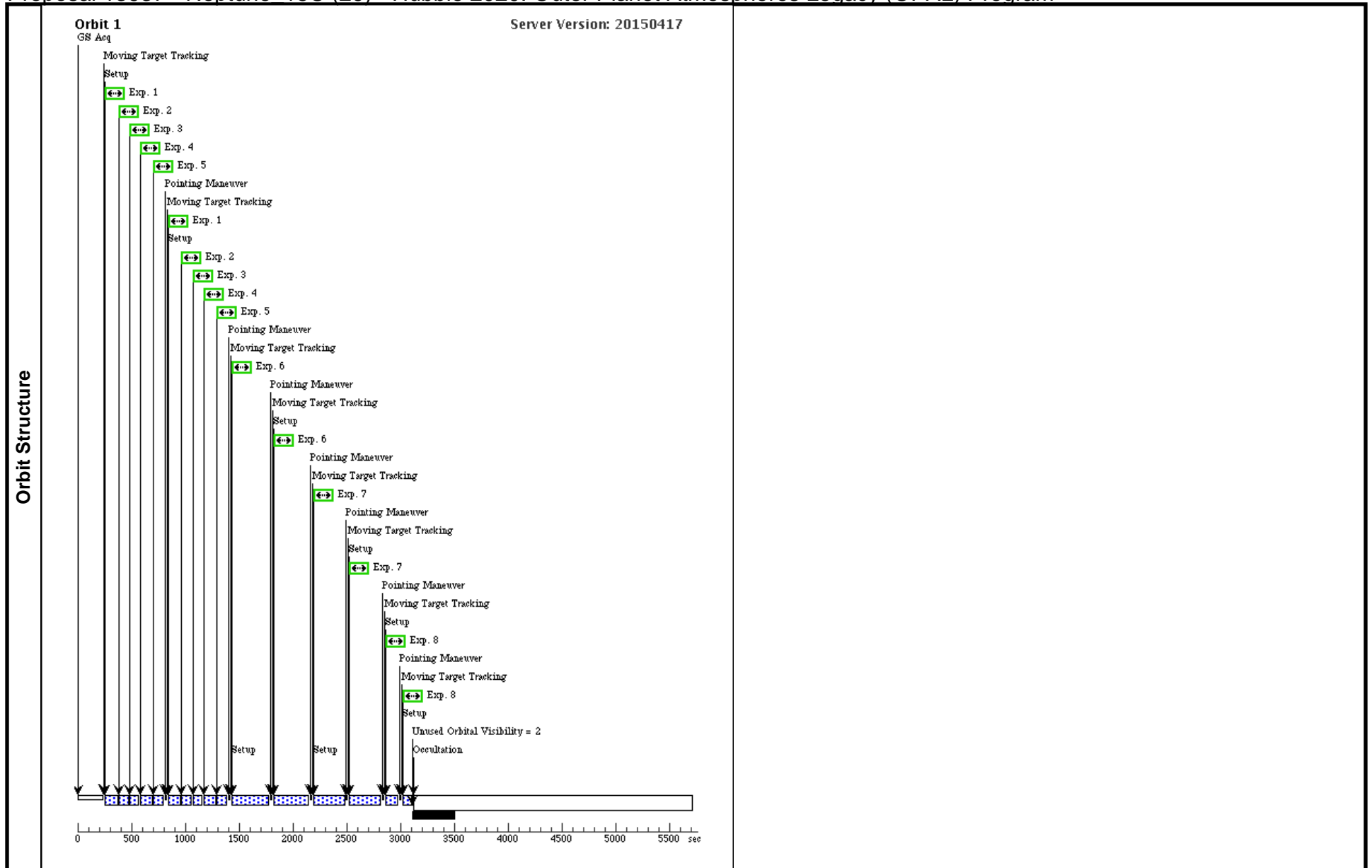
Proposal 13937 - Neptune 15C (29) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:55 GMT 2015

Visit	Proposal 13937, Neptune_15C (29), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 27 BY 9.2 H TO 9.7 H; VISIBILITY INTERVAL 52 M						
	(FQ727N_quadD (29.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ619N_quadA (29.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
Diagnosics							
Patterns	#	Primary Pattern		Secondary Pattern		Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=2.40001 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-5), (6), (7), (8)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH

Proposal 13937 - Neptune 15C (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	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_15C (2 9) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15C (29) (3)	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 1-8 Non-Int in Neptune_15C (2 9) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15C (29) (3)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_15C (2 9) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15C (29) (3)	12 Secs (24 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15C (2 9) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15C (29) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15C (2 9) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15C (29) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_15C (2 9) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_15C (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 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_15C (2 9) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_15C (29) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15C (2 9) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_15C (29) (3)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



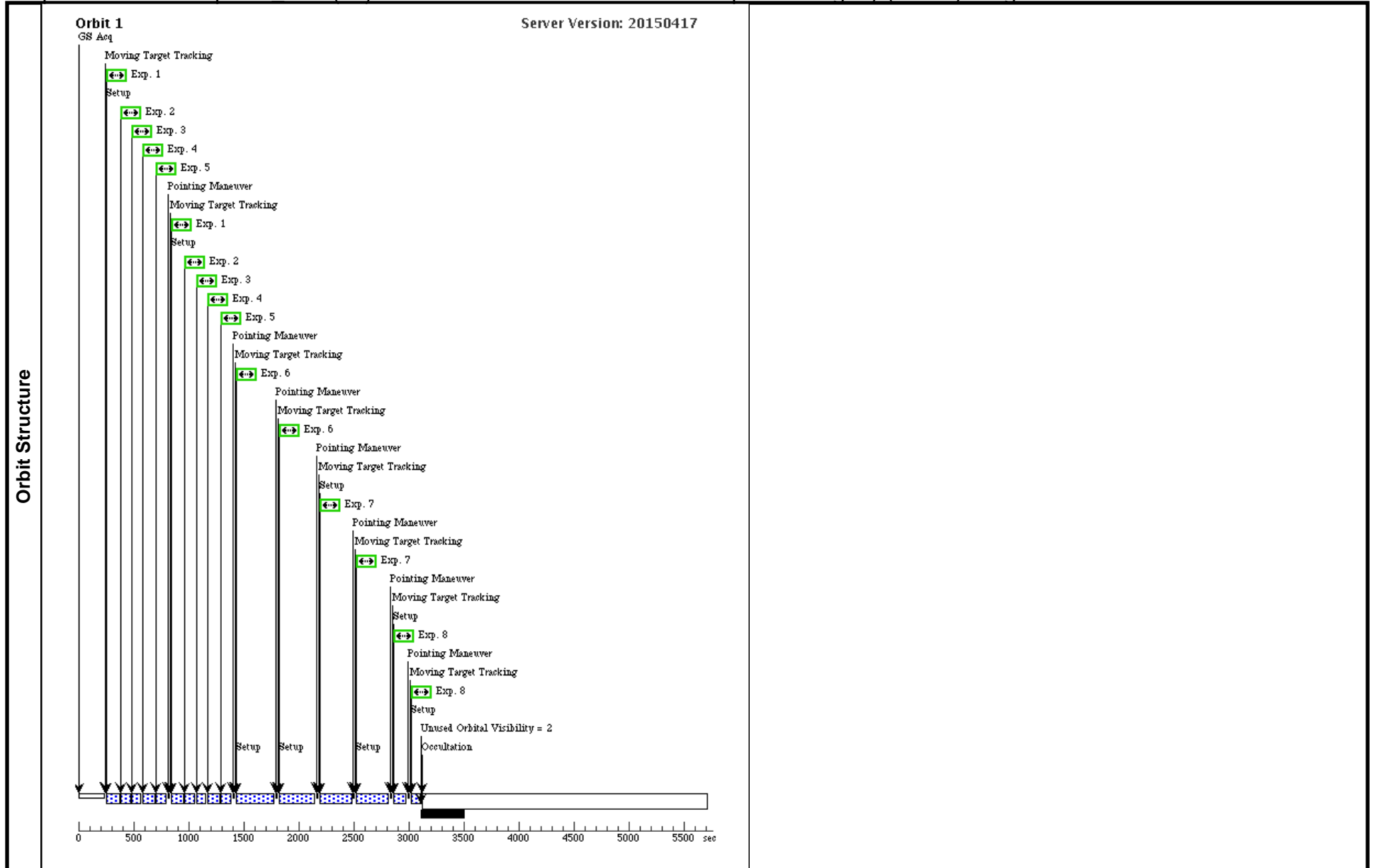
Proposal 13937 - Neptune 15D (30) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:55 GMT 2015

Visit	Proposal 13937, Neptune_15D (30), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 27 BY 14.0 H TO 14.6 H; VISIBILITY INTERVAL 52 M						
	Diagnosics (FQ727N_quadD (30.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ619N_quadA (30.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
Patterns	#	Primary Pattern		Secondary Pattern		Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=2.40001 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-5), (6), (7), (8)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH

Proposal 13937 - Neptune 15D (30) - 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	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_15D (3 0) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15D (30) (3)	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 1-8 Non-Int in Neptune_15D (3 0) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15D (30) (3)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_15D (3 0) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15D (30) (3)	12 Secs (24 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15D (3 0) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15D (30) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15D (3 0) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15D (30) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_15D (3 0) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_15D (30) (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 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_15D (3 0) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_15D (30) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15D (3 0) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_15D (30) (3)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



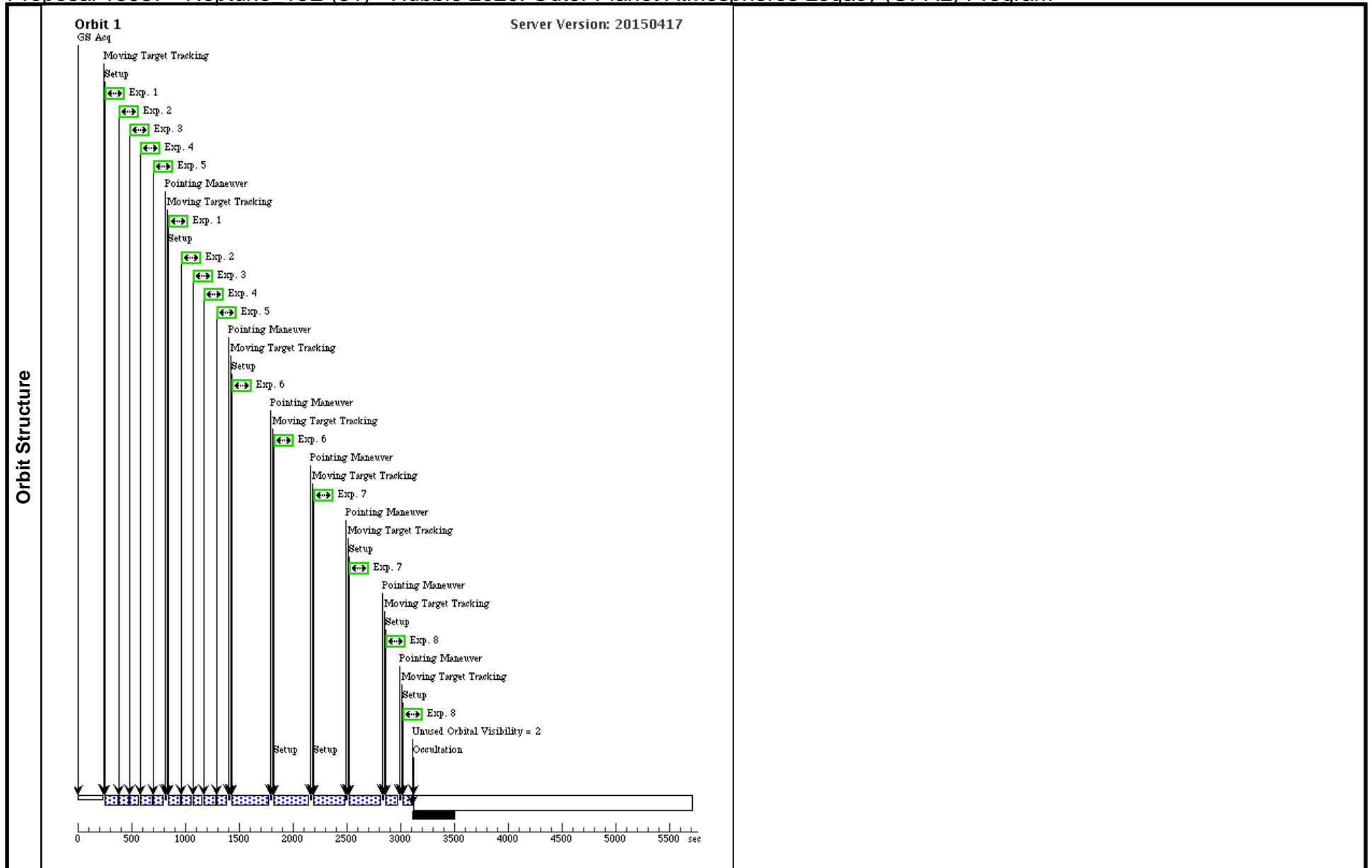
Proposal 13937 - Neptune 15E (31) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:55 GMT 2015

Visit	Proposal 13937, Neptune_15E (31), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 27 BY 17.2 H TO 17.7 H; VISIBILITY INTERVAL 52 M						
	Diagnosics (FQ727N_quadD (31.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ619N_quadA (31.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
Patterns	#	Primary Pattern		Secondary Pattern			Exposures
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=2.40001 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-5), (6), (7), (8)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH

Proposal 13937 - Neptune 15E (31) - 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	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_15E (3 1) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15E (31) (3)	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 1-8 Non-Int in Neptune_15E (3 1) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15E (31) (3)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_15E (3 1) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15E (31) (3)	12 Secs (24 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15E (3 1) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15E (31) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15E (3 1) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15E (31) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_15E (3 1) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_15E (31) (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 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_15E (3 1) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_15E (31) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15E (3 1) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_15E (31) (3)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



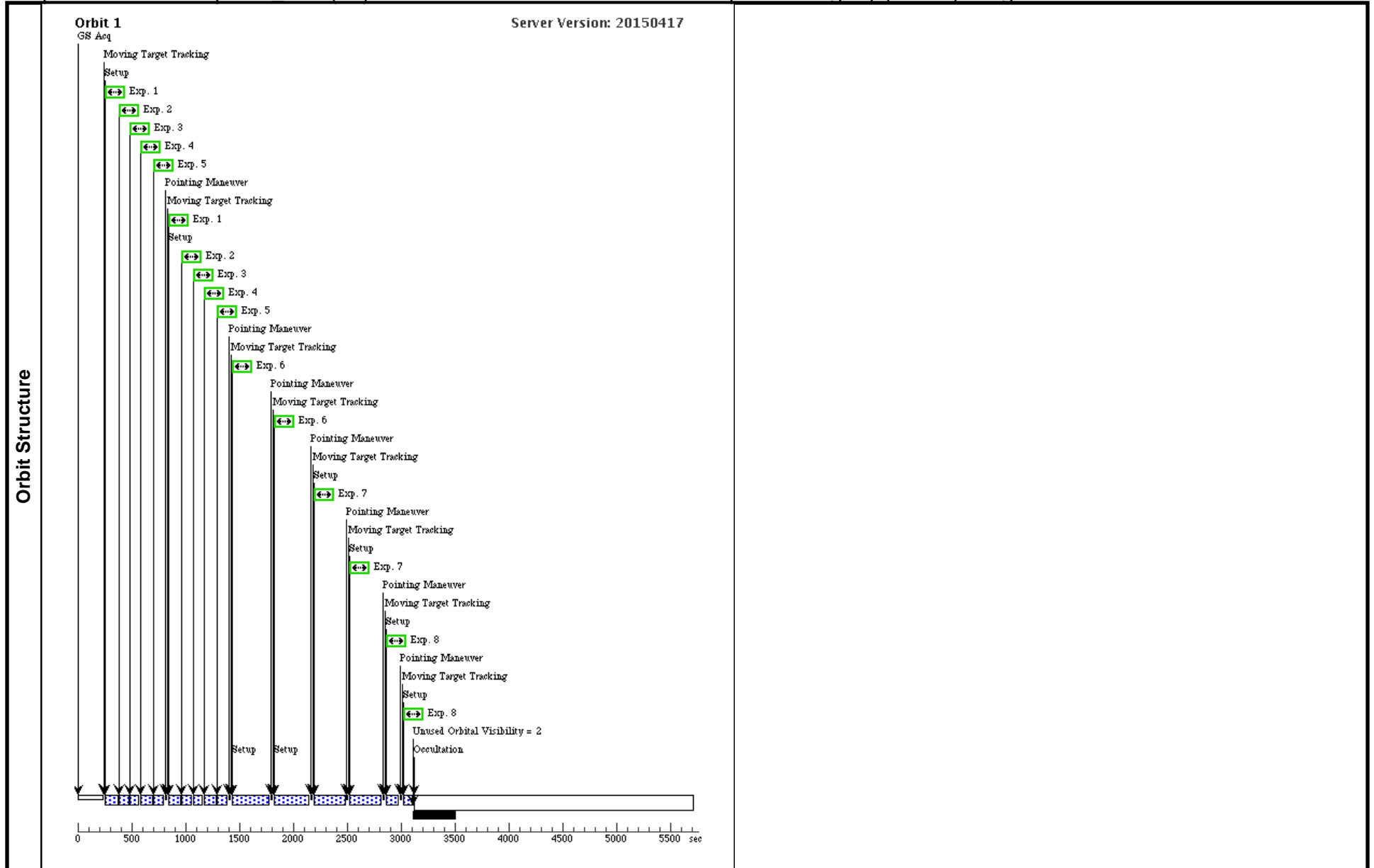
Proposal 13937 - Neptune 15F (32) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:55 GMT 2015

Visit	Proposal 13937, Neptune_15F (32), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 27 BY 22.0 H TO 22.6 H; VISIBILITY INTERVAL 52 M						
	Diagnosics (FQ727N_quadD (32.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ619N_quadA (32.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
Patterns	#	Primary Pattern		Secondary Pattern			Exposures
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=2.40001 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-5), (6), (7), (8)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH

Proposal 13937 - Neptune 15F (32) - 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	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_15F (32) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15F (32) (3)	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 1-8 Non-Int in Neptune_15F (32) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15F (32) (3)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_15F (32) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15F (32) (3)	12 Secs (24 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15F (32) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15F (32) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15F (32) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15F (32) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_15F (32) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_15F (32) (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 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_15F (32) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_15F (32) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15F (32) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_15F (32) (3)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



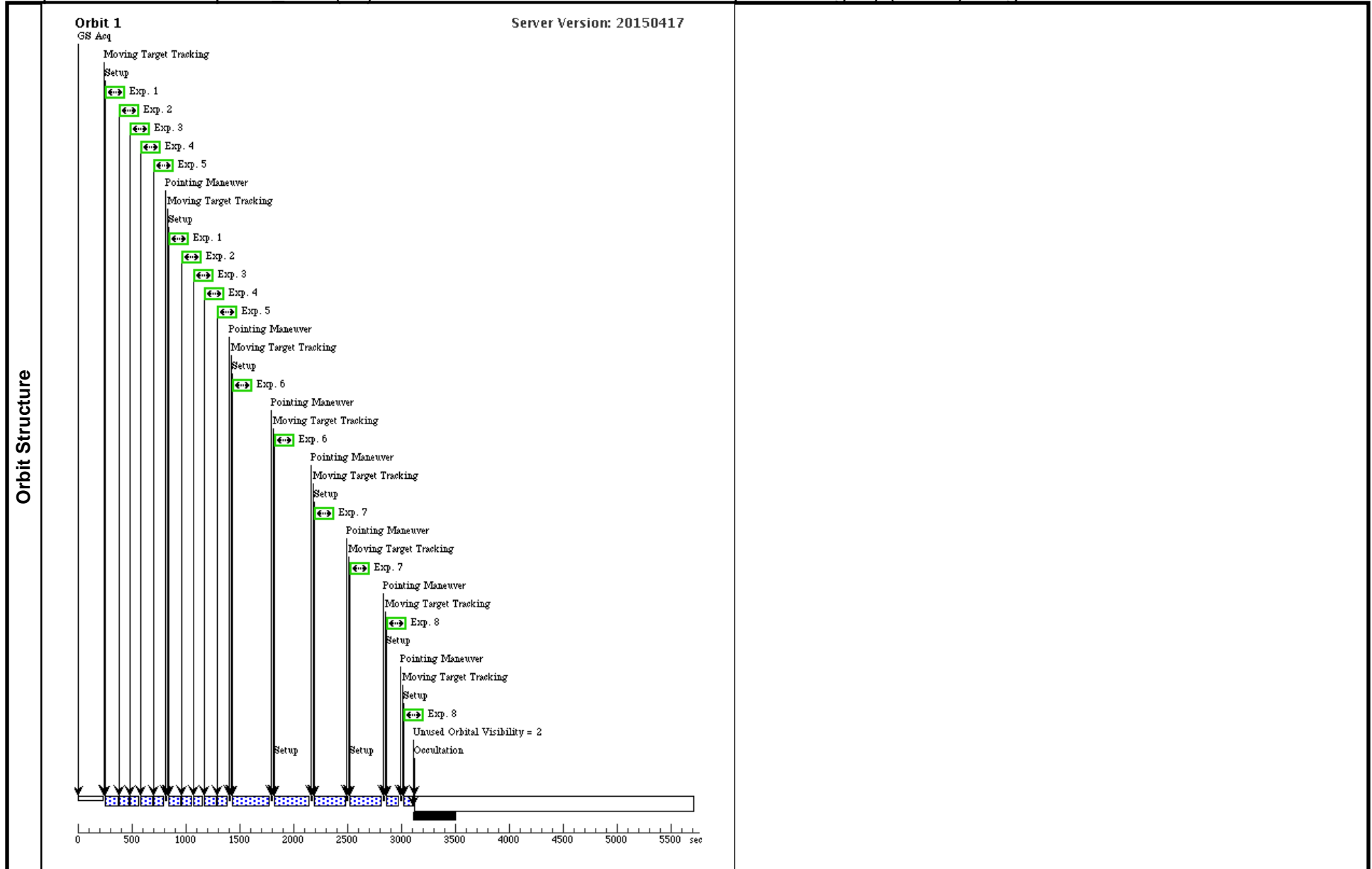
Proposal 13937 - Neptune 15G (33) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:55 GMT 2015

Visit	Proposal 13937, Neptune_15G (33), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 27 BY 26.8 H TO 27.2 H; VISIBILITY INTERVAL 52 M						
	(FQ727N_quadD (33.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ619N_quadA (33.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
Diagnosics							
Patterns	#	Primary Pattern		Secondary Pattern		Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=2.40001 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-5), (6), (7), (8)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH

Proposal 13937 - Neptune 15G (33) - 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	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_15G (3 3) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15G (33) (3)	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 1-8 Non-Int in Neptune_15G (3 3) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15G (33) (3)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_15G (3 3) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15G (33) (3)	12 Secs (24 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15G (3 3) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15G (33) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15G (3 3) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15G (33) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_15G (3 3) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_15G (33) (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 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_15G (3 3) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_15G (33) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15G (3 3) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_15G (33) (3)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 13937 - Neptune 15H (34) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Fri May 15 01:12:55 GMT 2015

Visit	Proposal 13937, Neptune_15H (34), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 27 BY 31.6 H TO 32.2 H; VISIBILITY INTERVAL 52 M						
	Diagnosics (FQ727N_quadD (34.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (FQ619N_quadA (34.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.						
Patterns	#	Primary Pattern		Secondary Pattern		Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=2.40001 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-5), (6), (7), (8)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH

Proposal 13937 - Neptune 15H (34) - 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	GS ACQ SCENARI O SINGLE	Sequence 1-8 Non-Int in Neptune_15H (3 4) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15H (34) (3)	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 1-8 Non-Int in Neptune_15H (3 4) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15H (34) (3)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Neptune_15H (3 4) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15H (34) (3)	12 Secs (24 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15H (3 4) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15H (34) (3)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15H (3 4) Pattern 3, Exps 1-5 i n Sequence 1-8 Non- Int in Neptune_15H (34) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N_qu adD	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -17.245, +16.537	Sequence 1-8 Non-Int in Neptune_15H (3 4) Pattern 3, Exps 6-6 i n Sequence 1-8 Non- Int in Neptune_15H (34) (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 18.673,- 18.179	Sequence 1-8 Non-Int in Neptune_15H (3 4) Pattern 3, Exps 7-7 i n Sequence 1-8 Non- Int in Neptune_15H (34) (3)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Neptune_15H (3 4) Pattern 3, Exps 8-8 i n Sequence 1-8 Non- Int in Neptune_15H (34) (3)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

