



15929 - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Cycle: 27, Proposal Category: GO/DD

(Availability Mode: AVAILABLE)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Amy Simon (PI) (Contact)	NASA Goddard Space Flight Center	amy.simon@nasa.gov
Michael H. Wong (CoI) (Contact)	University of California - Berkeley	mikewong@astro.berkeley.edu
Dr. Glenn S. Orton (CoI)	Jet Propulsion Laboratory	glenn.s.orton@jpl.nasa.gov

VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(3) URANUS-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:22.0	yes
02	(3) URANUS-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:24.0	yes
03	(3) URANUS-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:26.0	yes
04	(3) URANUS-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:28.0	yes
05	(3) URANUS-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:29.0	yes
06	(3) URANUS-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:31.0	yes
07	(3) URANUS-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:33.0	yes
08	(3) URANUS-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:34.0	yes
09	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:36.0	yes
10	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:37.0	yes
G1	(1) JUPITER-MAPS	S/C	1	15-Sep-2020 10:00:37.0	yes
11	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:38.0	yes

Proposal 15929 (STScI Edit Number: 54, Created: Tuesday, September 15, 2020 at 9:01:25 AM Eastern Standard Time) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
12	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:39.0	yes
G2	(1) JUPITER-MAPS	S/C	1	15-Sep-2020 10:00:39.0	yes
13	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:40.0	yes
14	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:41.0	yes
G3	(1) JUPITER-MAPS	S/C	1	15-Sep-2020 10:00:41.0	yes
15	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:42.0	yes
16	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:43.0	yes
17	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:44.0	yes
G4	(1) JUPITER-MAPS	S/C	1	15-Sep-2020 10:00:44.0	yes
18	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:45.0	yes
19	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:46.0	yes
G5	(1) JUPITER-MAPS	S/C	1	15-Sep-2020 10:00:46.0	yes
20	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:47.0	yes
21	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:48.0	yes
22	(4) NEPTUNE-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:49.0	yes
23	(4) NEPTUNE-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:51.0	yes
24	(4) NEPTUNE-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:52.0	yes
25	(4) NEPTUNE-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:53.0	yes
26	(4) NEPTUNE-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:55.0	yes
27	(4) NEPTUNE-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:56.0	yes
28	(4) NEPTUNE-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:58.0	yes
29	(4) NEPTUNE-MAPS	WFC3/UVIS	1	15-Sep-2020 10:00:59.0	yes
30	(2) SATURN-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:00.0	yes
31	(2) SATURN-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:02.0	yes
G6	(2) SATURN-MAPS	S/C	1	15-Sep-2020 10:01:03.0	yes

Proposal 15929 (STScI Edit Number: 54, Created: Tuesday, September 15, 2020 at 9:01:25 AM Eastern Standard Time) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
32	(2) SATURN-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:03.0	yes
33	(2) SATURN-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:05.0	yes
G7	(2) SATURN-MAPS	S/C	1	15-Sep-2020 10:01:05.0	yes
34	(2) SATURN-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:06.0	yes
35	(2) SATURN-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:08.0	yes
36	(2) SATURN-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:10.0	yes
37	(2) SATURN-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:12.0	yes
G8	(2) SATURN-MAPS	S/C	1	15-Sep-2020 10:01:12.0	yes
38	(2) SATURN-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:13.0	yes
39	(2) SATURN-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:14.0	yes
G9	(2) SATURN-MAPS	S/C	1	15-Sep-2020 10:01:15.0	yes
40	(2) SATURN-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:16.0	yes
41	(2) SATURN-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:17.0	yes
42	(1) JUPITER-MAPS (5) JUPITER-GRS	WFC3/UVIS	1	15-Sep-2020 10:01:18.0	yes
43	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:19.0	yes
44	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:20.0	yes
45	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:22.0	yes
52	(1) JUPITER-MAPS (5) JUPITER-GRS	WFC3/UVIS	1	15-Sep-2020 10:01:22.0	yes
53	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:23.0	yes
54	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:24.0	yes
55	(1) JUPITER-MAPS	WFC3/UVIS	1	15-Sep-2020 10:01:25.0	yes

58 Total Orbits Used

ABSTRACT

Long time base observations of the outer planets are critical in understanding the atmospheric dynamics and evolution of the gas giants. We propose yearly monitoring of each giant planet for the remainder of Hubble's lifetime to provide a lasting legacy of increasingly valuable data for time-domain studies. The Hubble Space Telescope is a unique asset to planetary science, allowing high spatial resolution data with absolute photometric knowledge. For the outer planets, gas/ice giant planets Jupiter, Saturn, Uranus and Neptune, many phenomena happen on timescales of years to decades, and the data we propose are beyond the scope of a typical GO program. Hubble is the only platform that can provide high spatial resolution global studies of cloud coloration, activity, and motion on a consistent time basis to help constrain the underlying mechanics.

OBSERVING DESCRIPTION

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

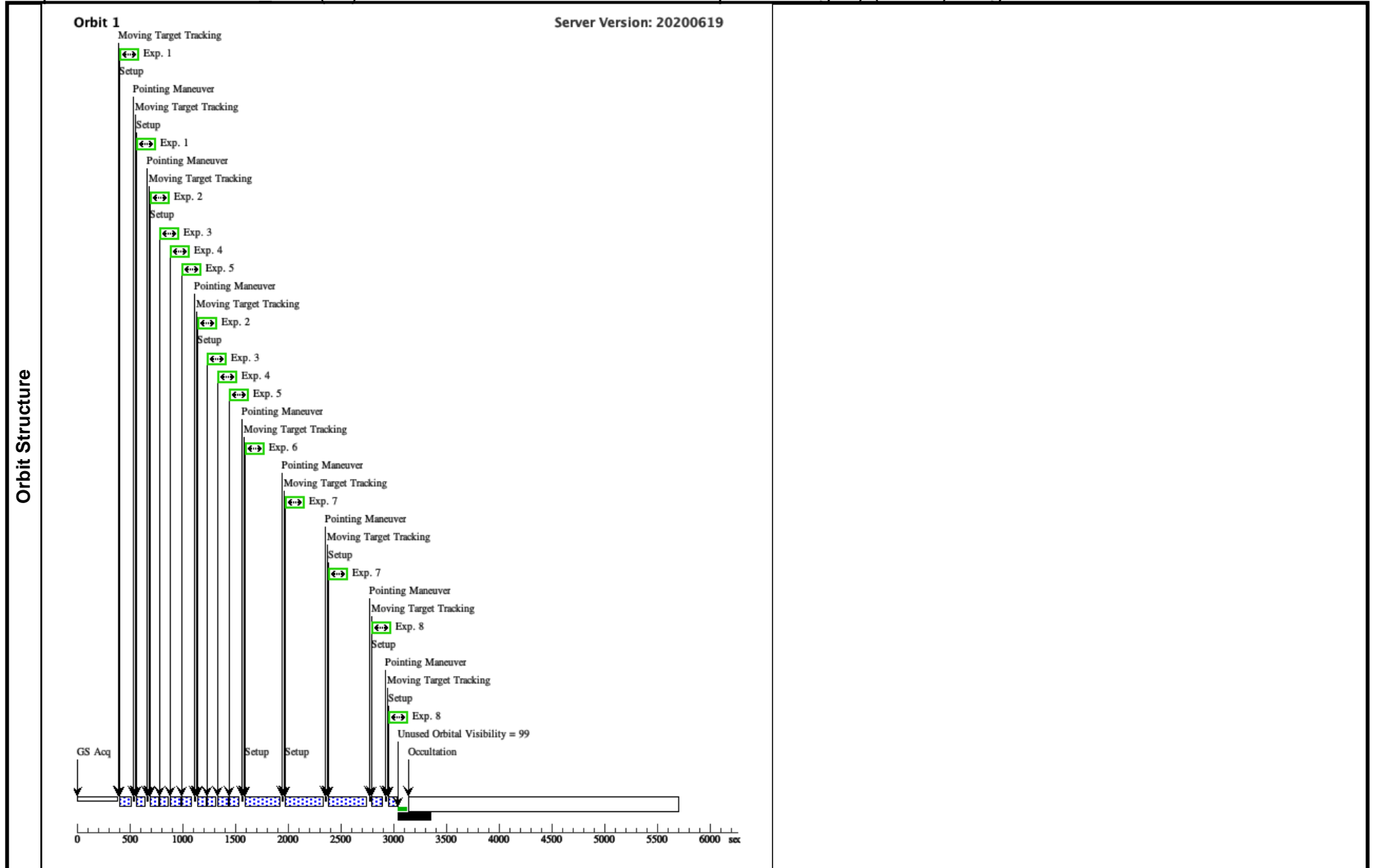
Proposal 15929 - Uranus 19A (01) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:26 GMT 2020

Visit	<p>Proposal 15929, Uranus_19A (01), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 28-SEP-2019:00:00:00 AND 28-NOV-2019:00:00:00</p> <p><i>Comments: Uranus opposition (2019-OCT-28) +/- 30 days preferred.</i></p> <p><i>8 orbits. Visit 8 after visit 1 by 19 orbits. All visits spaced out as evenly as possible, with either 1-orbit or 2-orbit gaps between then. 3-orbit gaps are too big, consecutive orbits are too tight. Impingement into SAA is OK if the above timing gaps cannot prevent it. We can tolerate gyro bias updates to ease the contiguous orbit constraints, and will work with our program contacts to fit them in.</i></p> <p><i>3-gyro mode may be necessary as this is a moving target.</i></p>																			
	<p>(F845M (01.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (01.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (01.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (01.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (01.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (01.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (01.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ727N_quadD (01.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (01.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(F845M (01.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>																			
Diagnostics																				
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= </td> <td> Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td>(1), (2-5), (8)</td> </tr> <tr> <td>(3)</td> <td> Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing= </td> <td> Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td>(7)</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), (2-5), (8)	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7)							
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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> <p><i>Comments: Description=Global Uranus maps</i></p>	#	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 15929 - Uranus 19A (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		Sequence 1-8 Non-Int in Uranus_19A (01) Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_19A (01) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19A (01) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19A (01) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_19A (01) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19A (01) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19A (01) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19A (01) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19A (01) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19A (01) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_19A (01)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_19A (01) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_19A (01) (3)	200 Secs (400 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19A (01) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_19A (01) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



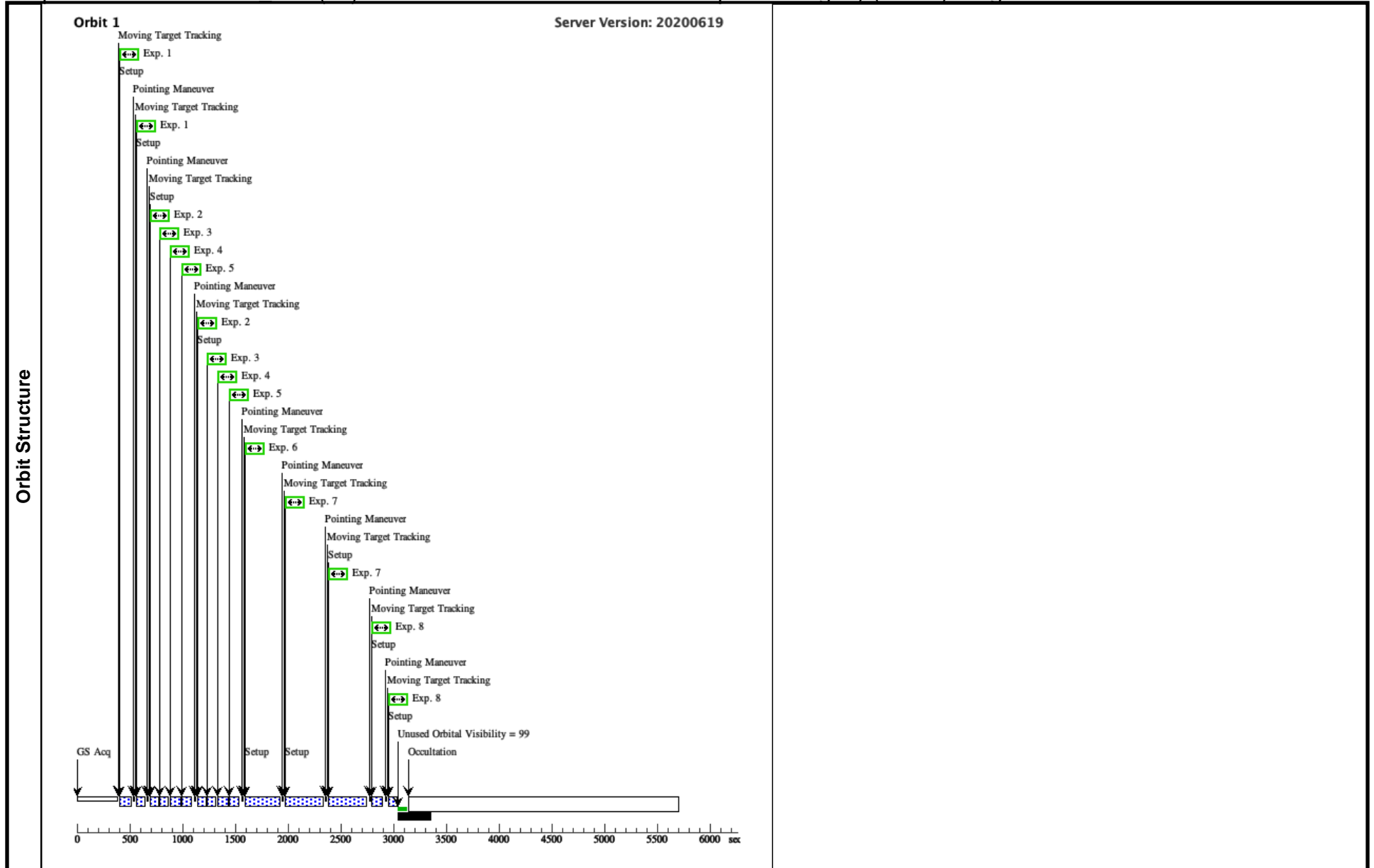
Proposal 15929 - Uranus 19B (02) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:26 GMT 2020

Visit	Proposal 15929, Uranus_19B (02), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 01 BY 1.9 Orbits TO 3.1 Orbits						
	Diagnosics (F845M (02.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (02.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (02.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (02.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (02.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (02.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (02.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (FQ727N_quadD (02.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (02.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F845M (02.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(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), (2-5), (8)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH
Comments: Description=Global Uranus maps							

Proposal 15929 - Uranus 19B (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		Sequence 1-8 Non-Int in Uranus_19B (02) Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_19B (02) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19B (02) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19B (02) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_19B (02) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19B (02) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19B (02) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19B (02) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19B (02) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19B (02) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_19B (02)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_19B (02) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_19B (02) (3)	200 Secs (400 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19B (02) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_19B (02) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



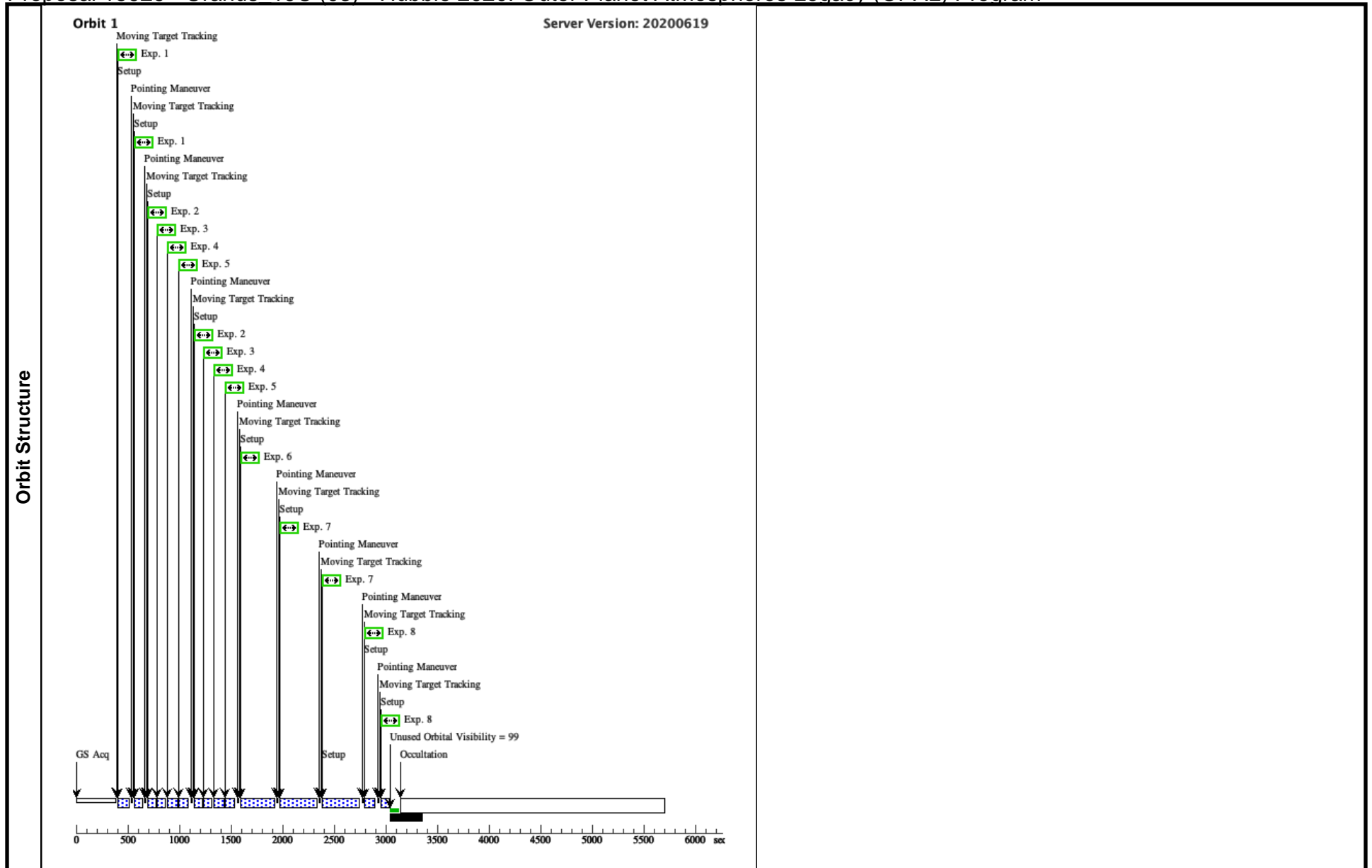
Proposal 15929 - Uranus 19C (03) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:26 GMT 2020

Visit	Proposal 15929, Uranus_19C (03), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 02 BY 1.9 Orbits TO 3.1 Orbits						
	Diagnosics (F845M (03.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (03.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (03.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (03.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (03.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (03.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (03.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (FQ727N_quadD (03.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (03.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F845M (03.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(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), (2-5), (8)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH
Comments: Description=Global Uranus maps							

Proposal 15929 - Uranus 19C (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		Sequence 1-8 Non-Int in Uranus_19C (03) Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_19C (03) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19C (03) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19C (03) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_19C (03) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19C (03) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19C (03) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19C (03) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19C (03) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19C (03) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_19C (03)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_19C (03) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_19C (03) (3)	200 Secs (400 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19C (03) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_19C (03) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



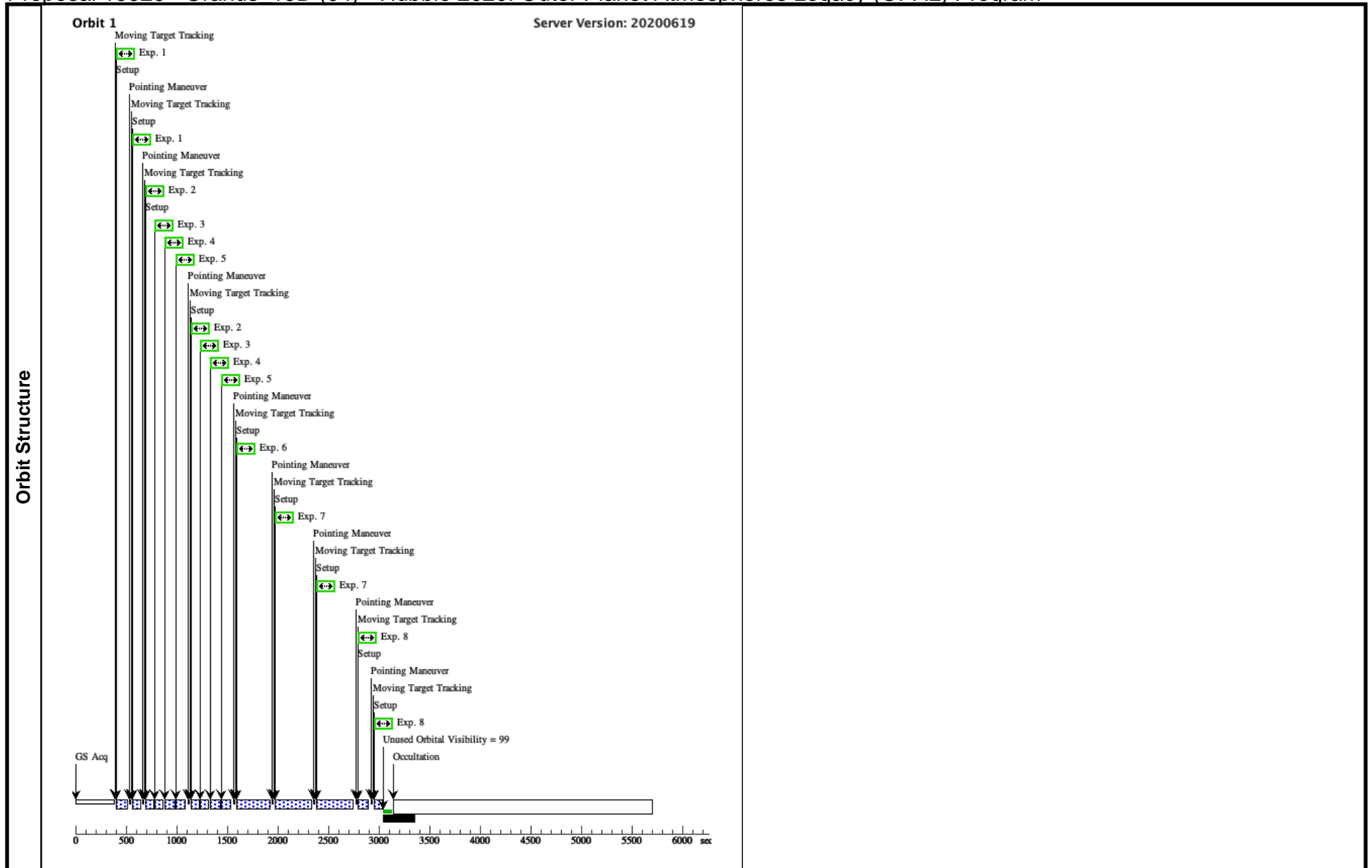
Proposal 15929 - Uranus 19D (04) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:26 GMT 2020

Visit	Proposal 15929, Uranus_19D (04), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 03 BY 1.9 Orbits TO 3.1 Orbits						
	Diagnosics (F845M (04.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (04.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (04.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (04.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (04.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (04.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (04.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (FQ727N_quadD (04.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (04.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F845M (04.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(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), (2-5), (8)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH
Comments: Description=Global Uranus maps							

Proposal 15929 - Uranus 19D (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		Sequence 1-8 Non-Int in Uranus_19D (04)	35 Secs (70 Secs)	
								Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_19D (04) (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_19D (04)	14 Secs (28 Secs)	
								Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19D (04) (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_19D (04)	6 Secs (12 Secs)	
								Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19D (04) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19D (04)	40 Secs (80 Secs)	
								Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19D (04) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19D (04)	30 Secs (60 Secs)	
							Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19D (04) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_19D (04)	144 Secs (144 Secs)		
								[==>]	[1]	
7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28; SAA CONTOUR 02	Sequence 1-8 Non-Int in Uranus_19D (04)	200 Secs (400 Secs)		
							Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_19D (04) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-8 Non-Int in Uranus_19D (04)	35 Secs (70 Secs)		
							Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_19D (04) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	



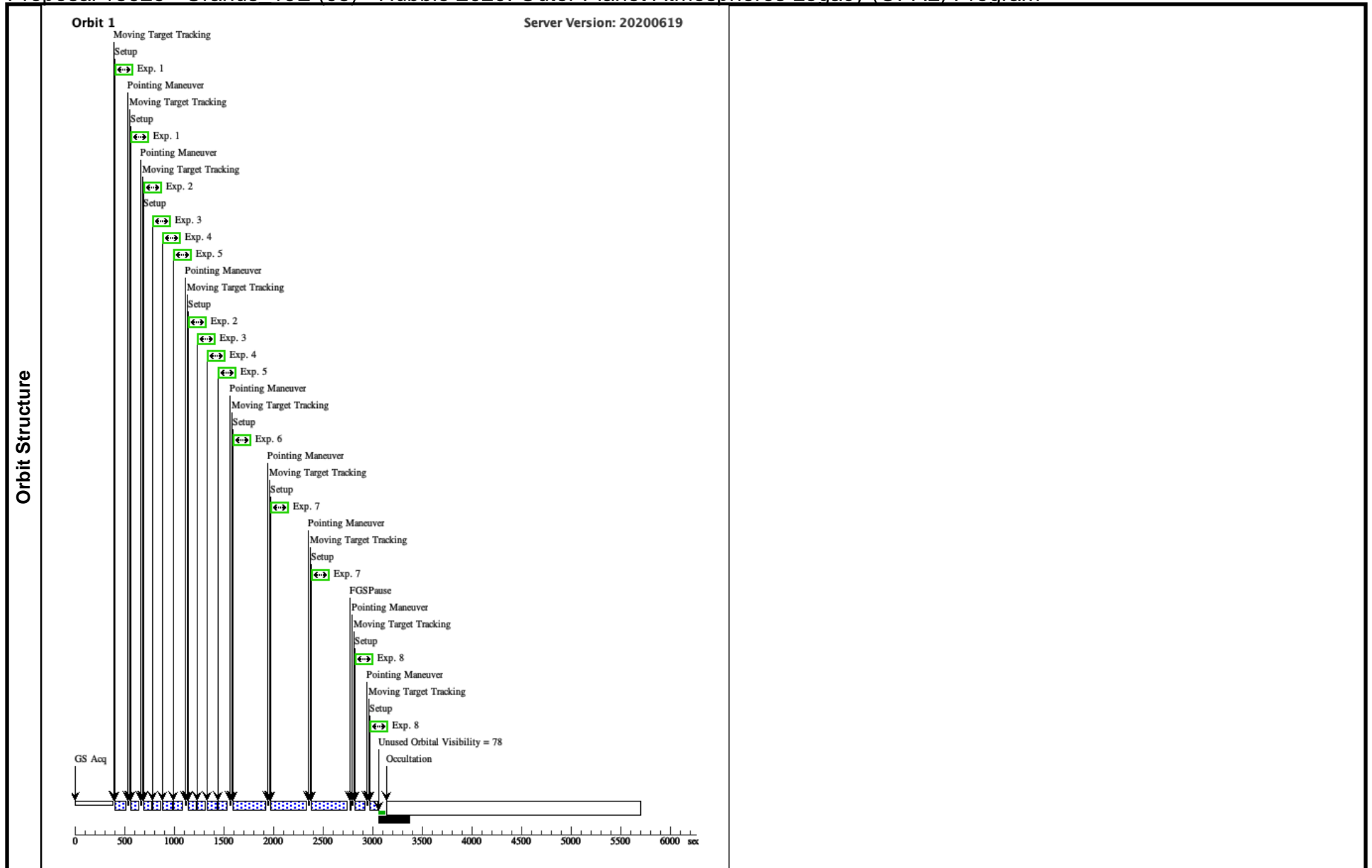
Proposal 15929 - Uranus 19E (05) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:26 GMT 2020

Visit	<p>Proposal 15929, Uranus_19E (05), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 04 BY 1.9 Orbits TO 3.1 Orbits</p>																			
	<p>(Uranus_19E (05)) Warning (Orbit Planner): EXPOSURE WITH SAA CONTOUR 11 WILL EXECUTE ON GYRO</p> <p>(F845M (05.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (05.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (05.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (05.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (05.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (05.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (05.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ727N_quadD (05.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (05.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(F845M (05.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>																			
Diagnostics	<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= </td> <td> Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td>(1), (2-5), (8)</td> </tr> <tr> <td>(3)</td> <td> Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing= </td> <td> Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td>(7)</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), (2-5), (8)	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7)	
	#	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), (2-5), (8)																
(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7)																	
<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> <p><i>Comments: Description=Global Uranus maps</i></p>							#	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														
Patterns																				
Solar System Targets																				

Proposal 15929 - Uranus 19E (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		Sequence 1-8 Non-Int in Uranus_19E (05) Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_19E (05) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19E (05) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19E (05) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_19E (05) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19E (05) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19E (05) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19E (05) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19E (05) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19E (05) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_19E (05)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_19E (05) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_19E (05) (3)	200 Secs (400 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	SAA CONTOUR 11; EXP PCS MODE G YRO	Sequence 1-8 Non-Int in Uranus_19E (05) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_19E (05) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



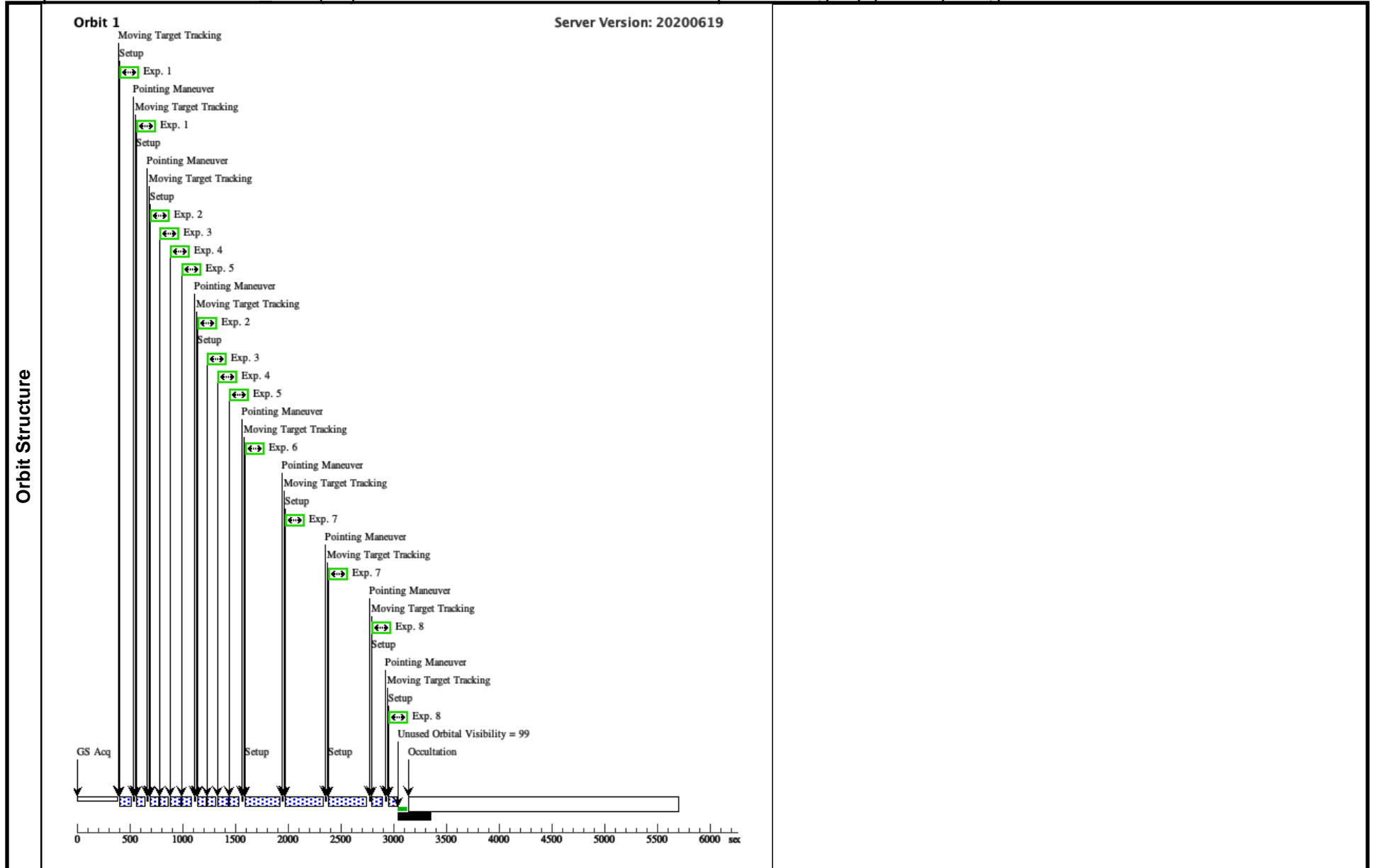
Proposal 15929 - Uranus 19F (06) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:26 GMT 2020

Visit	Proposal 15929, Uranus_19F (06), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 05 BY 1.9 Orbits TO 3.1 Orbits						
	Diagnosics (F845M (06.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (06.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (06.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (06.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (06.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (06.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (06.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (FQ727N_quadD (06.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (06.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F845M (06.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser						
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), (2-5), (8)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH
Comments: Description=Global Uranus maps							

Proposal 15929 - Uranus 19F (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		Sequence 1-8 Non-Int in Uranus_19F (06) Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_19F (06) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19F (06) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19F (06) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_19F (06) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19F (06) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19F (06) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19F (06) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19F (06) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19F (06) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_19F (06)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_19F (06) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_19F (06) (3)	200 Secs (400 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19F (06) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_19F (06) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



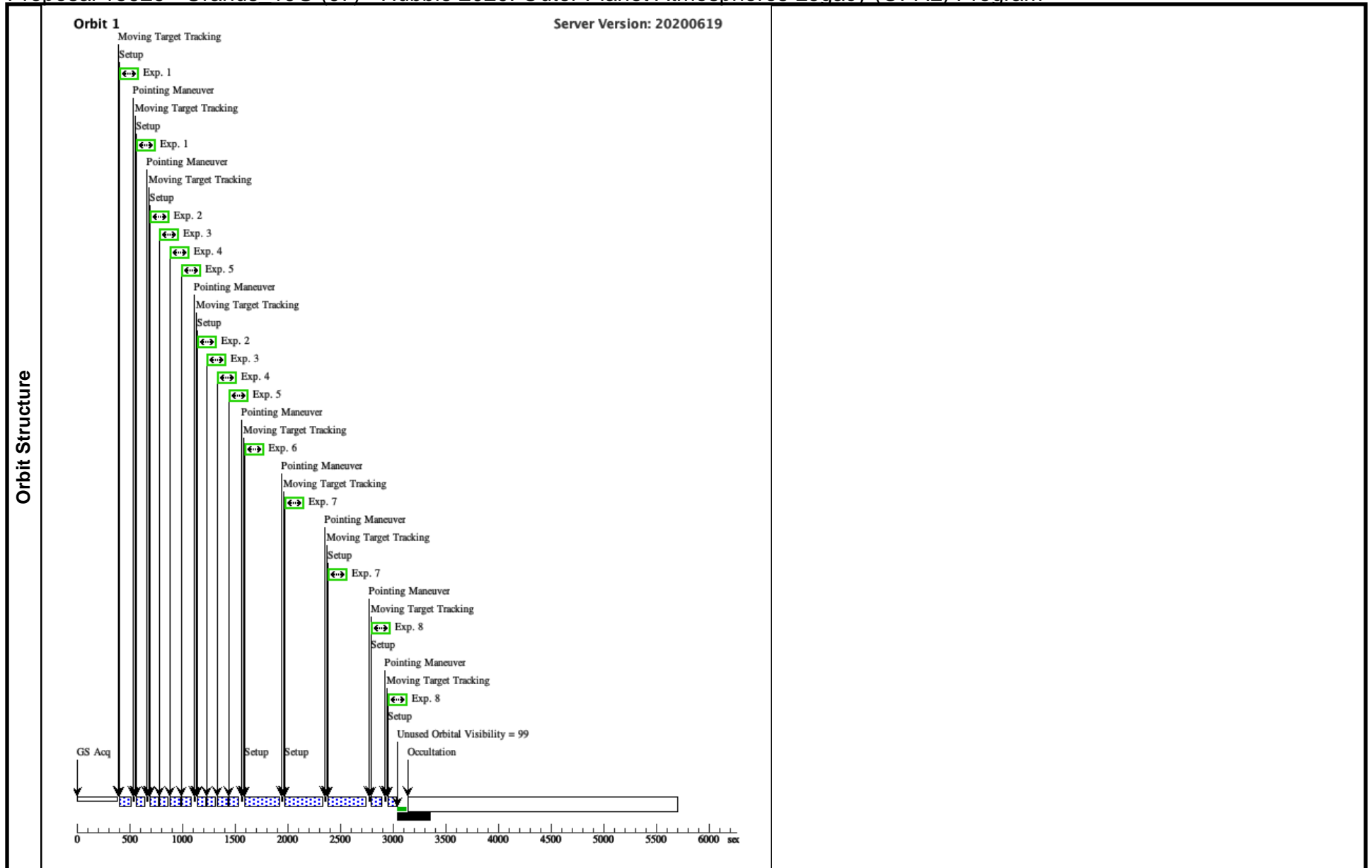
Proposal 15929 - Uranus 19G (07) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:26 GMT 2020

Visit	Proposal 15929, Uranus_19G (07), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 06 BY 1.9 Orbits TO 3.1 Orbits; SEQ 07.08 WITHIN 3 Orbits						
	Diagnosics (F845M (07.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (07.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (07.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (07.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (07.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (07.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (07.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (FQ727N_quadD (07.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (07.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F845M (07.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(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), (2-5), (8)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH
Comments: Description=Global Uranus maps							

Proposal 15929 - Uranus 19G (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		Sequence 1-8 Non-Int in Uranus_19G (07)	35 Secs (70 Secs)	
								Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_19G (07) (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_19G (07)	14 Secs (28 Secs)	
								Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19G (07) (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_19G (07)	6 Secs (12 Secs)	
								Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19G (07) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19G (07)	40 Secs (80 Secs)	
								Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19G (07) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19G (07)	30 Secs (60 Secs)		
							Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19G (07) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_19G (07)	144 Secs (144 Secs)		
								[==>]	[1]	
7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_19G (07)	200 Secs (400 Secs)		
							Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_19G (07) (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19G (07)	35 Secs (70 Secs)		
							Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_19G (07) (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	



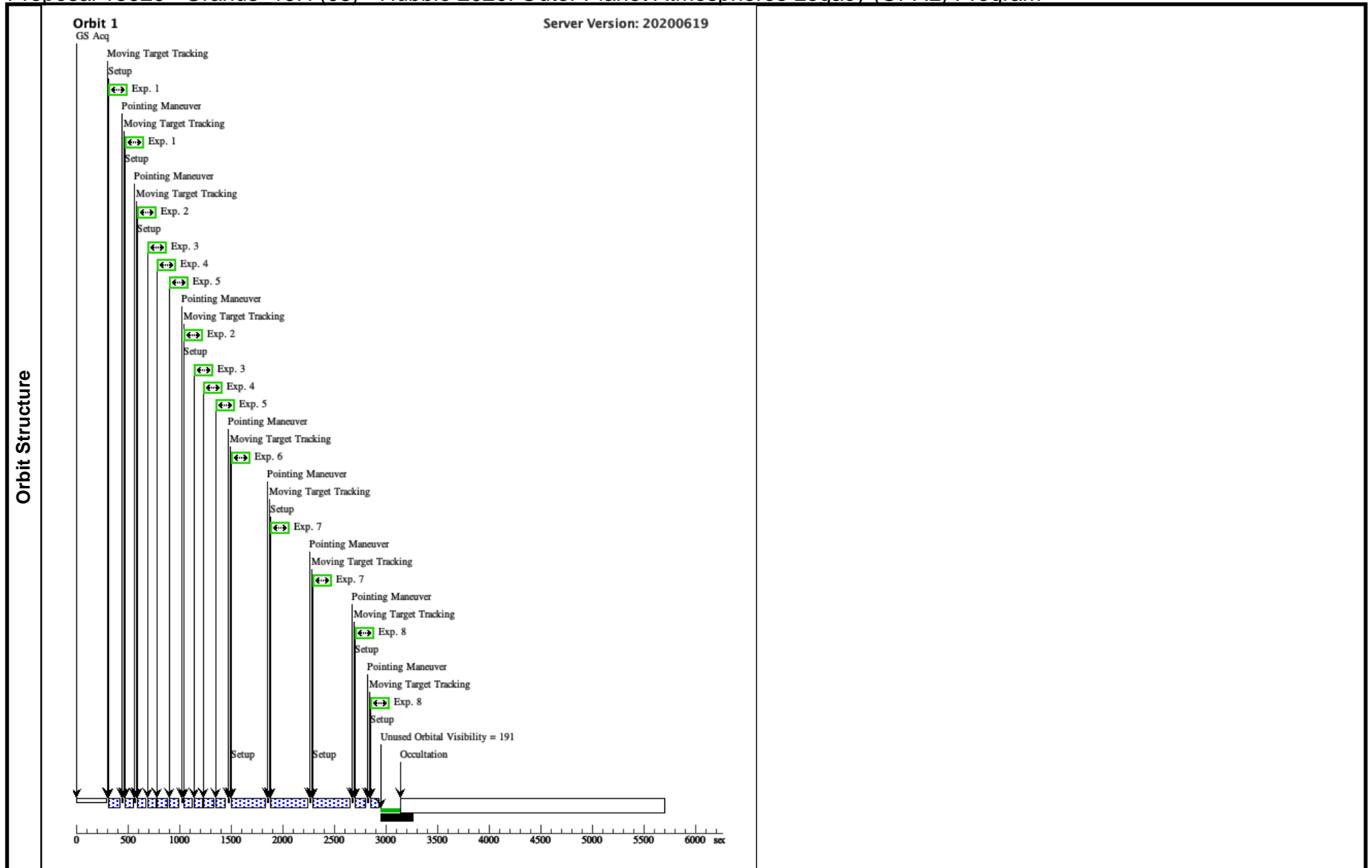
Proposal 15929 - Uranus 19H (08) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:26 GMT 2020

Visit	Proposal 15929, Uranus_19H (08), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 01 BY 18.9 Orbits TO 19.1 Orbits						
	Diagnosics (F845M (08.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (08.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (08.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (08.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (08.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (08.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (08.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (FQ727N_quadD (08.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (08.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F845M (08.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(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), (2-5), (8)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	URANUS-MAPS	STD=URANUS				EARTH
Comments: Description=Global Uranus maps							

Proposal 15929 - Uranus 19H (08) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO	GS ACQ SCENARI O ONEB1BE	Sequence 1-8 Non-Int in Uranus_19H (08) Pattern 2, Exps 1-1 in Sequence 1-8 Non-Int in Uranus_19H (08) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19H (08) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19H (08) (2)	14 Secs (28 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F547M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F547M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Uranus_19H (08) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19H (08) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19H (08) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19H (08) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19H (08) Pattern 2, Exps 2-5 in Sequence 1-8 Non-Int in Uranus_19H (08) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ619N_quadA	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +19,-23	Sequence 1-8 Non-Int in Uranus_19H (08)	144 Secs (144 Secs) [==>]	[1]
	7	FQ727N_quadD	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -24,+28	Sequence 1-8 Non-Int in Uranus_19H (08) Pattern 3, Exps 7-7 in Sequence 1-8 Non-Int in Uranus_19H (08) (3)	200 Secs (400 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F845M	(3) URANUS-MAPS	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-8 Non-Int in Uranus_19H (08) Pattern 2, Exps 8-8 in Sequence 1-8 Non-Int in Uranus_19H (08) (2)	35 Secs (70 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



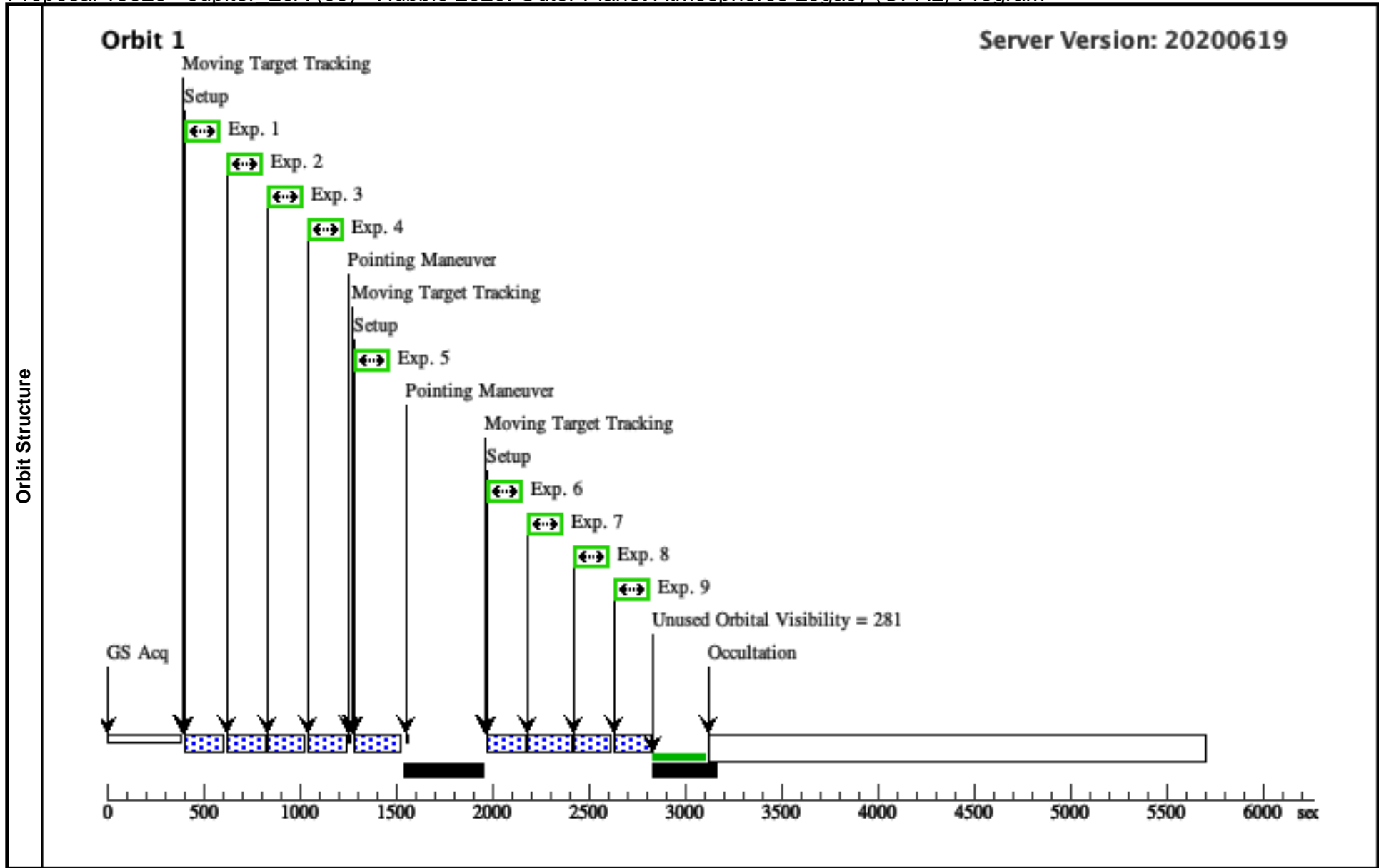
Proposal 15929 - Jupiter 20A (09) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	<p>Proposal 15929, Jupiter_20A (09), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 14-JUN-2020 AND 01-SEP-2020:00:00:00; VISIBILITY INTERVAL 52 M</p> <p><i>Comments: 13 orbits, should be contiguous, if possible. A gap of 1 or 2 orbits between 6 - 7 OR 7 - 8 is acceptable. Impingement into SAA is OK if the above timing gaps cannot prevent it. We can tolerate gyro bias updates to ease the contiguous orbit constraints, and will work with our program contacts to fit them in. 3-gyro mode may be necessary as this is a moving target.</i></p> <p><i>Jupiter opposition (2020-JUL-14) +/- 30 days preferred.</i></p>																			
	<p>(F631N (09.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F502N (09.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F395N (09.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (09.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (09.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (09.005)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant.</p> <p>(F658N (09.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (09.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (09.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F631N (09.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>																			
Solar System Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Level 1</th> <th>Level 2</th> <th>Level 3</th> <th>Window</th> <th>Ephem Center</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>JUPITER-MAPS</td> <td>STD=JUPITER</td> <td></td> <td></td> <td>NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D</td> <td>EARTH</td> </tr> </tbody> </table>						#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center													
(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH														
<p><i>Comments: Description=Global Jupiter maps</i></p>																				

Proposal 15929 - Jupiter 20A (09) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

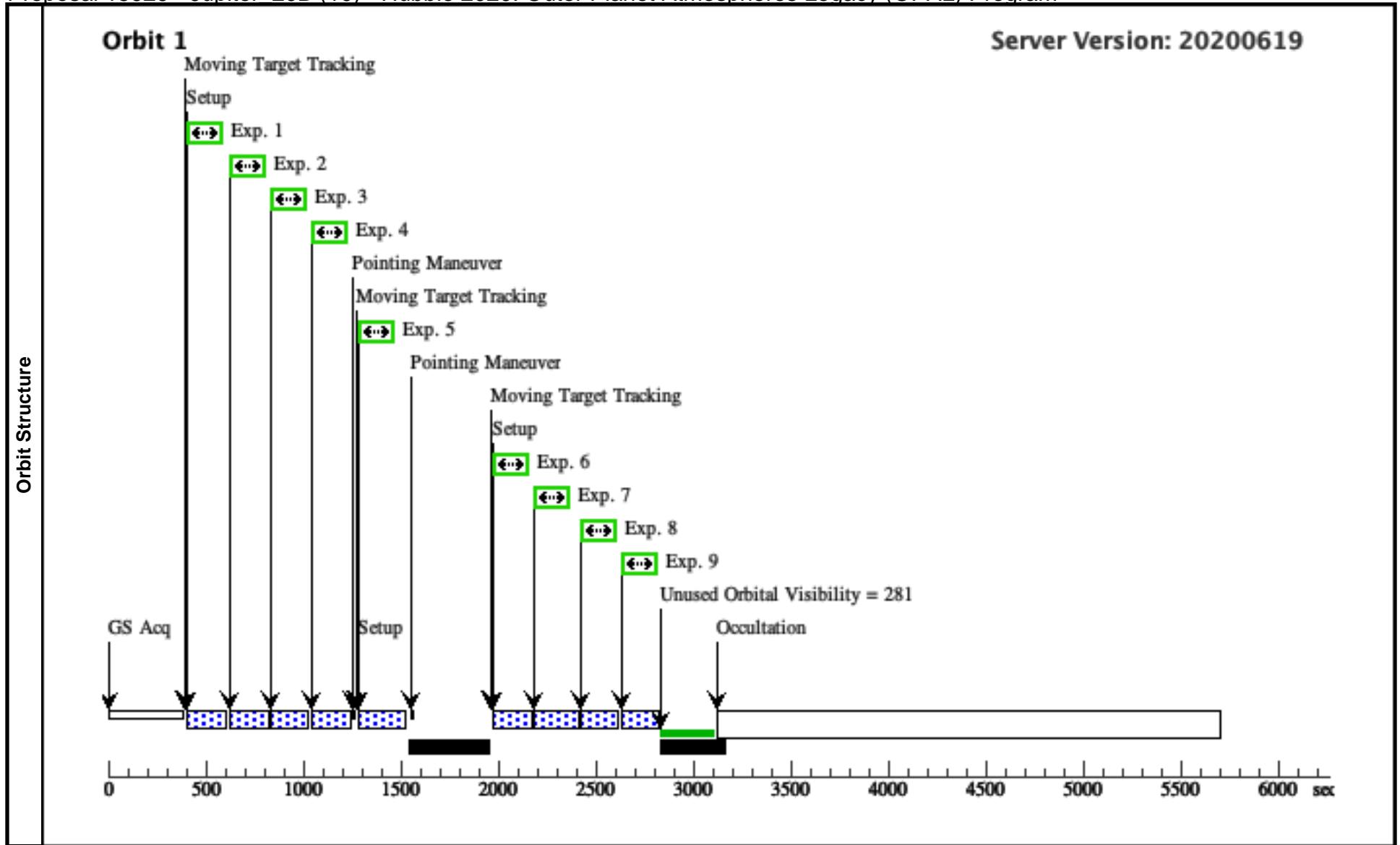
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_20A (09)	4 Secs (4 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_20A (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_20A (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_20A (09)	1.2 Secs (1.2 Secs) [==>]	[1]
	5	FQ889_quada	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_20A (09)	53 Secs (53 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A	SAA CONTOUR 02	Sequence 1-9 Non-Int in Jupiter_20A (09)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO	SAA CONTOUR 02	Sequence 1-9 Non-Int in Jupiter_20A (09)	30 Secs (30 Secs) [==>]	[1]
	8	F547M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F547M	CR-SPLIT=NO; BLADE=A	SAA CONTOUR 02	Sequence 1-9 Non-Int in Jupiter_20A (09)	.5 Secs (0.5 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A	SAA CONTOUR 02	Sequence 1-9 Non-Int in Jupiter_20A (09)	4 Secs (4 Secs) [==>]	[1]



Proposal 15929 - Jupiter 20B (10) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	Proposal 15929, Jupiter_20B (10), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 09 BY 0.9 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL 52 M									
	Diagnostics	(F631N (10.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (10.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (10.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (10.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (10.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (10.005)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F658N (10.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (10.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (10.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (10.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser								
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D			
<i>Comments: Description=Global Jupiter maps</i>										
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_20B (10)	4 Secs (4 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_20B (10)	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_20B (10)	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_20B (10)	1.2 Secs (1.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_20B (10)	53 Secs (53 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_20B (10)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_20B (10)	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_20B (10)	.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_20B (10)	4 Secs (4 Secs) [==>]	[1]



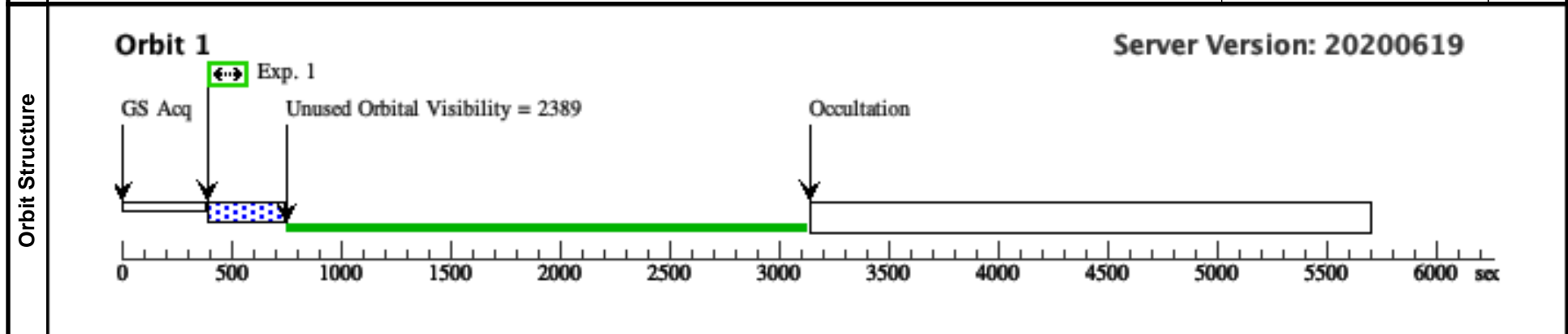
Proposal 15929 - Gyro Bias Update (G1) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	Proposal 15929, Gyro Bias Update (G1), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: S/C					
	Special Requirements: NOTRACK; AFTER 10 BY 0.9 Orbits TO 1.1 Orbits					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D
<i>Comments: Description=Global Jupiter maps</i>							

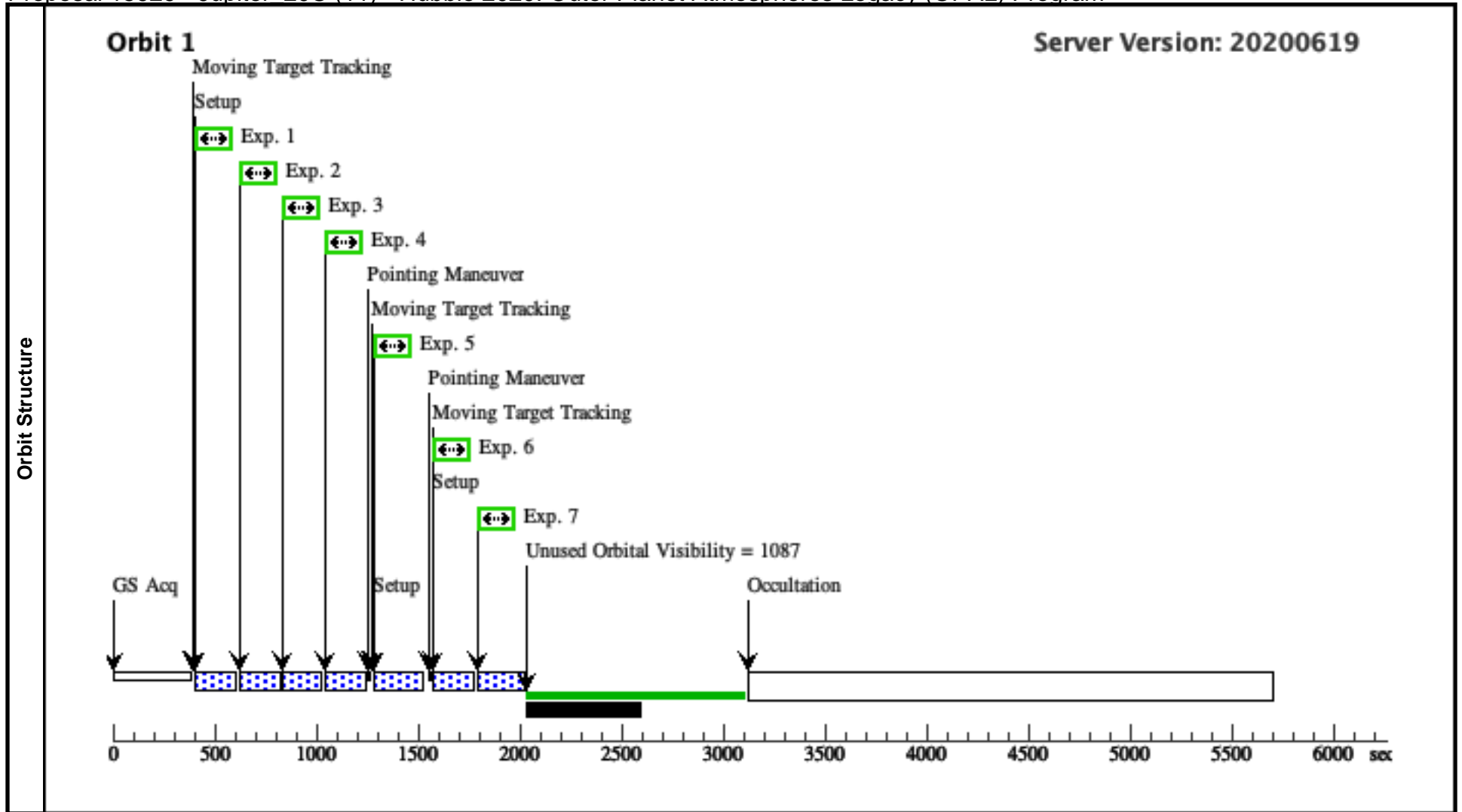
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) JUPITER-MAPS	S/C, POINTING, V1						360.0 Secs (360 Secs)
[==>]										[1]



Proposal 15929 - Jupiter 20C (11) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

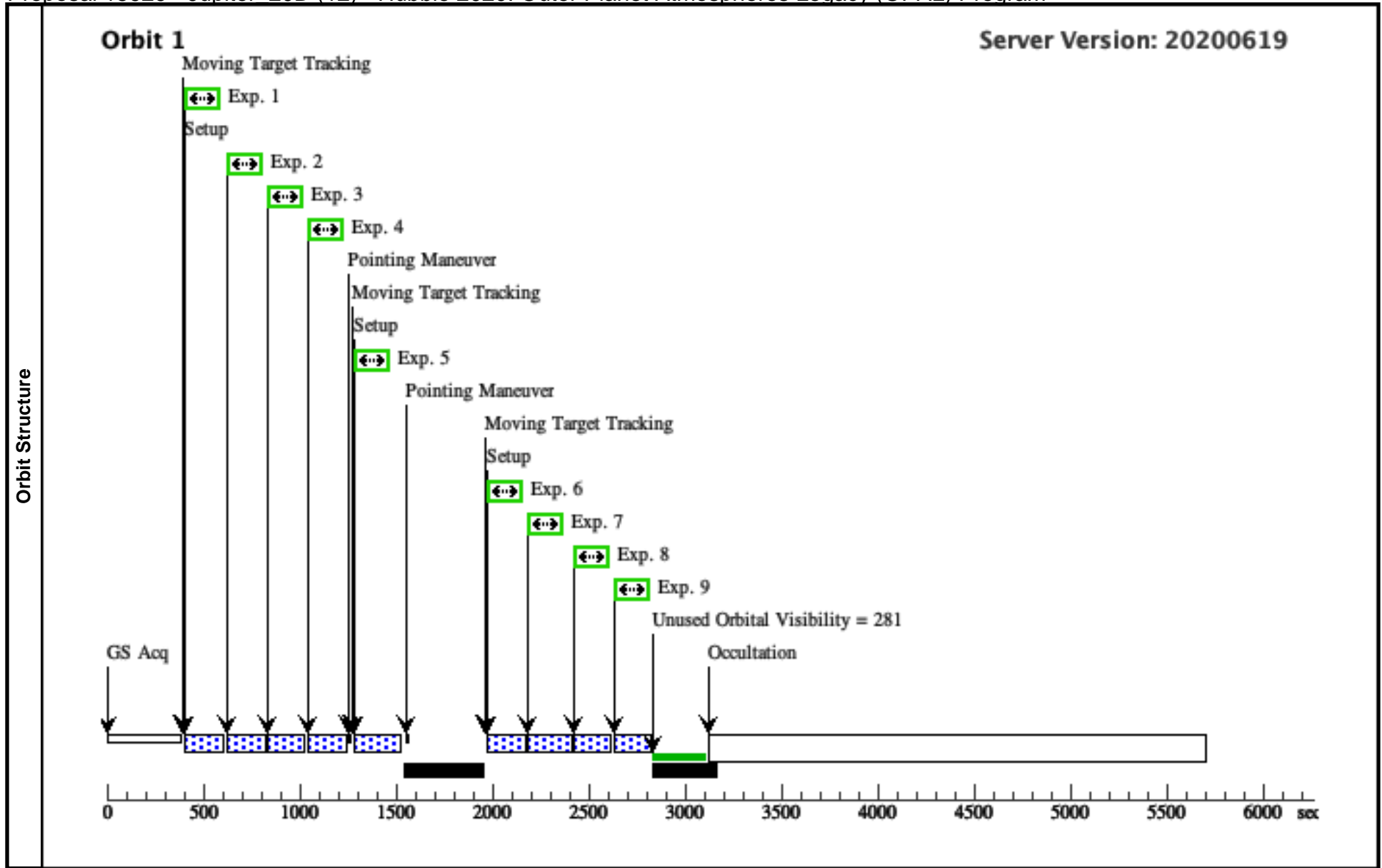
Visit	Proposal 15929, Jupiter_20C (11), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER G1 BY 0.0 Orbits TO 0.5 Orbits; VISIBILITY INTERVAL 52 M																																																																																						
	(F631N (11.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (11.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (11.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (11.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (11.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (11.005)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F658N (11.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (11.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																																																																																						
Diagnostics																																																																																							
Solar System Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Level 1</th> <th>Level 2</th> <th>Level 3</th> <th>Window</th> <th>Ephem Center</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>JUPITER-MAPS</td> <td>STD=JUPITER</td> <td></td> <td></td> <td>NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D</td> <td>EARTH</td> </tr> </tbody> </table>	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH	<i>Comments: Description=Global Jupiter maps</i>																																																																							
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center																																																																																
(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH																																																																																	
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F631N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F631N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20C (11)</td> <td>4 Secs (4 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>F502N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F502N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20C (11)</td> <td>3 Secs (3 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>F395N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F395N</td> <td>CR-SPLIT=NO</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20C (11)</td> <td>10 Secs (10 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>F467M</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F467M</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20C (11)</td> <td>1.2 Secs (1.2 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>5</td> <td>FQ889_quadA</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS-QUAD-SUB</td> <td>FQ889N</td> <td>CR-SPLIT=NO</td> <td>POS TARG +1.7,-2.2</td> <td>Sequence 1-7 Non-Int in Jupiter_20C (11)</td> <td>53 Secs (53 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>6</td> <td>F658N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F658N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20C (11)</td> <td>8 Secs (8 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>7</td> <td>F275W</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F275W</td> <td>CR-SPLIT=NO</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20C (11)</td> <td>30 Secs (30 Secs) [==>]</td> <td>[1]</td> </tr> </tbody> </table>	#	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 1-7 Non-Int in Jupiter_20C (11)	4 Secs (4 Secs) [==>]	[1]	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20C (11)	3 Secs (3 Secs) [==>]	[1]	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20C (11)	10 Secs (10 Secs) [==>]	[1]	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20C (11)	1.2 Secs (1.2 Secs) [==>]	[1]	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-7 Non-Int in Jupiter_20C (11)	53 Secs (53 Secs) [==>]	[1]	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20C (11)	8 Secs (8 Secs) [==>]	[1]	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20C (11)	30 Secs (30 Secs) [==>]	[1]						
	#	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 1-7 Non-Int in Jupiter_20C (11)	4 Secs (4 Secs) [==>]	[1]																																																																													
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20C (11)	3 Secs (3 Secs) [==>]	[1]																																																																													
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20C (11)	10 Secs (10 Secs) [==>]	[1]																																																																													
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20C (11)	1.2 Secs (1.2 Secs) [==>]	[1]																																																																													
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-7 Non-Int in Jupiter_20C (11)	53 Secs (53 Secs) [==>]	[1]																																																																													
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20C (11)	8 Secs (8 Secs) [==>]	[1]																																																																													
7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20C (11)	30 Secs (30 Secs) [==>]	[1]																																																																														



Proposal 15929 - Jupiter 20D (12) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	Proposal 15929, Jupiter_20D (12), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 11 BY 0.0 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL 52 M									
	Diagnostics	(F631N (12.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (12.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (12.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (12.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (12.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (12.005)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F658N (12.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (12.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (12.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (12.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser								
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D			
<i>Comments: Description=Global Jupiter maps</i>										
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_20D (12)	4 Secs (4 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_20D (12)	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_20D (12)	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_20D (12)	1.2 Secs (1.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_20D (12)	53 Secs (53 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_20D (12)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_20D (12)	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_20D (12)	.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_20D (12)	4 Secs (4 Secs) [==>]	[1]



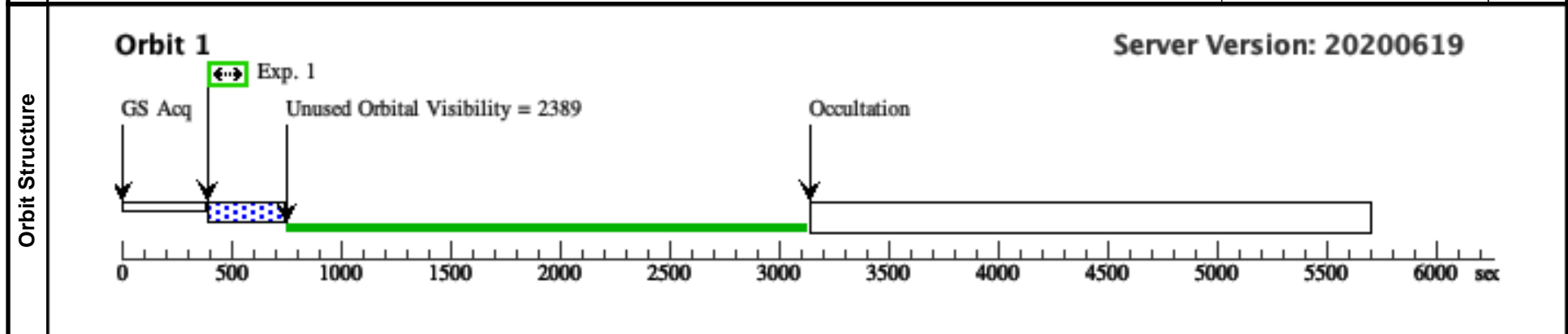
Proposal 15929 - Gyro Bias Update (G2) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	Proposal 15929, Gyro Bias Update (G2), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: S/C					
	Special Requirements: NOTRACK; AFTER 12 BY 0.9 Orbits TO 1.1 Orbits					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D
<i>Comments: Description=Global Jupiter maps</i>							

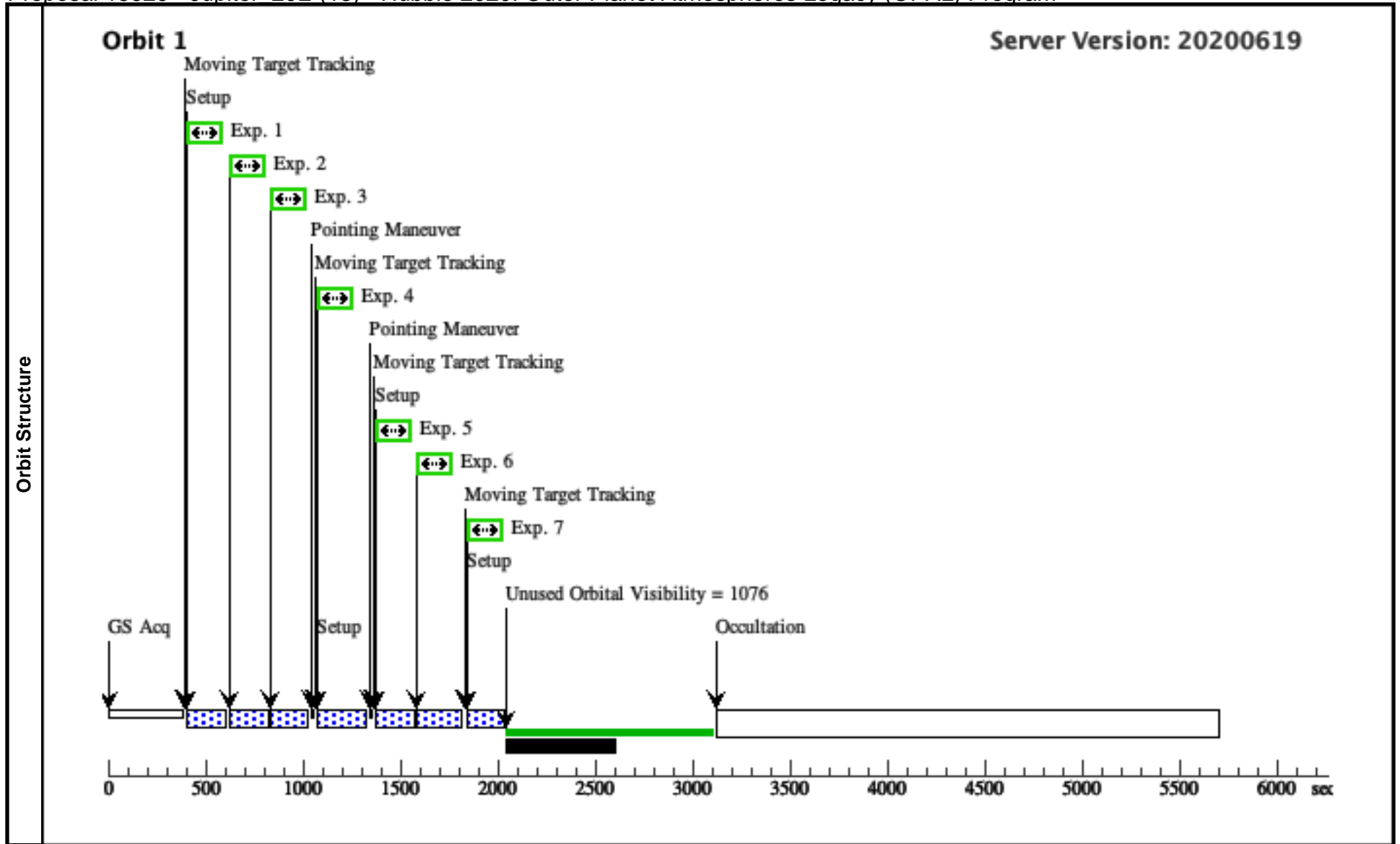
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) JUPITER-MAPS	S/C, POINTING, V1						360.0 Secs (360 Secs)
										[1]



Proposal 15929 - Jupiter 20E (13) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

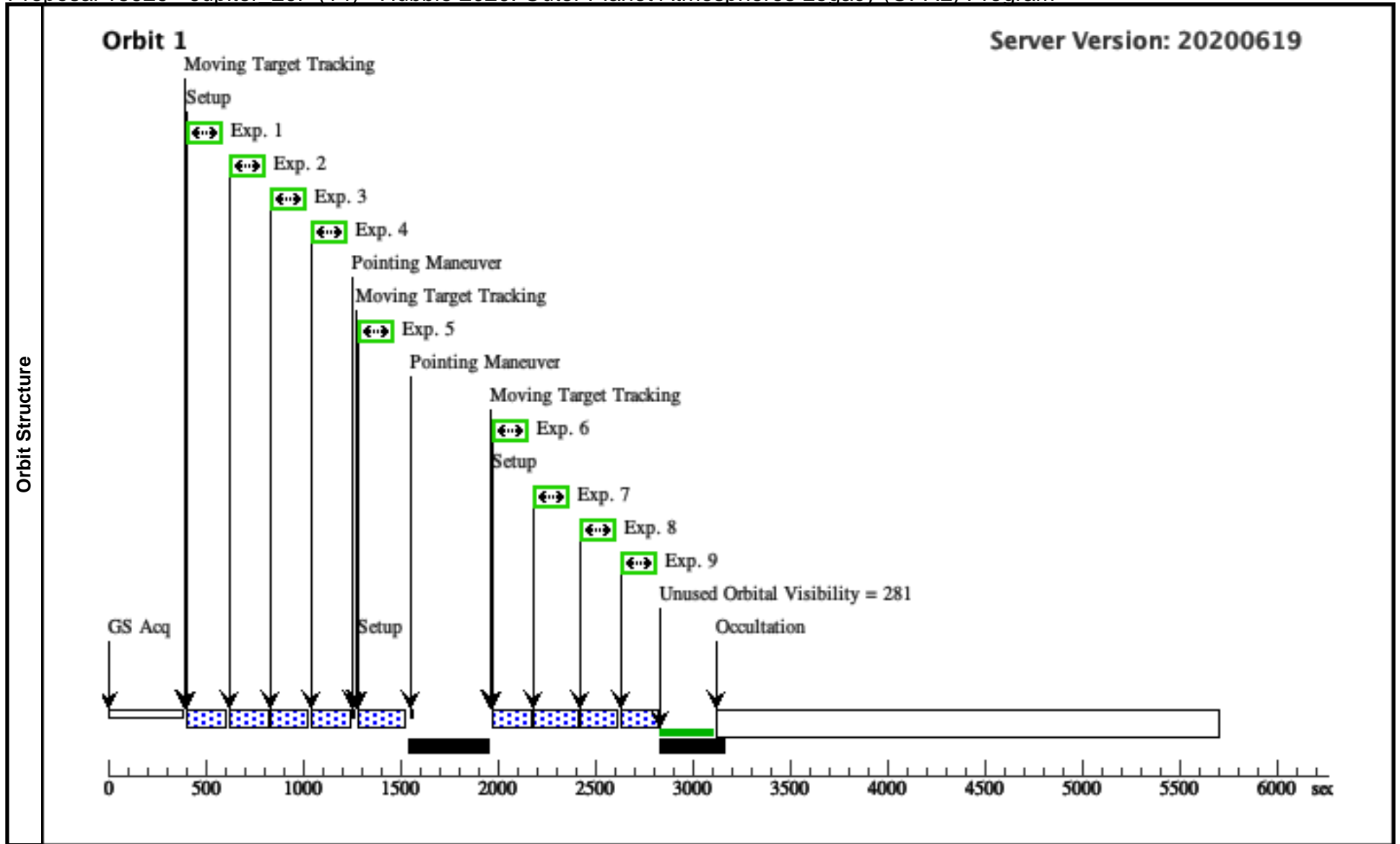
Visit	Proposal 15929, Jupiter_20E (13), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER G2 BY 0.0 Orbits TO 0.5 Orbits; VISIBILITY INTERVAL 52 M									
	Diagnosics (F631N (13.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (13.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (13.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (13.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (13.004)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F658N (13.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (13.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (13.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH			
<i>Comments: Description=Global Jupiter maps</i>										
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 1-7 Non-Int in Jupiter_20E (13)	4 Secs (4 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20E (13)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20E (13)	10 Secs (10 Secs) [==>]	[1]
	4	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-7 Non-Int in Jupiter_20E (13)	53 Secs (53 Secs) [==>]	[1]
	5	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20E (13)	8 Secs (8 Secs) [==>]	[1]
	6	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20E (13)	30 Secs (30 Secs) [==>]	[1]
	7	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A	SAA CONTOUR 02	Sequence 1-7 Non-Int in Jupiter_20E (13)	4 Secs (4 Secs) [==>]	[1]



Proposal 15929 - Jupiter 20F (14) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	Proposal 15929, Jupiter_20F (14), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 13 BY 0.0 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL 52 M										
	Diagnostics	(F631N (14.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (14.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (14.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (14.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (14.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (14.005)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F658N (14.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (14.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (14.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (14.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
		(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH			
<i>Comments: Description=Global Jupiter maps</i>											
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_20F (14)	4 Secs (4 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_20F (14)	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_20F (14)	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_20F (14)	1.2 Secs (1.2 Secs) [==>]	[1]
		5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_20F (14)	53 Secs (53 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_20F (14)	8 Secs (8 Secs) [==>]	[1]	
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_20F (14)	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_20F (14)	.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_20F (14)	4 Secs (4 Secs) [==>]	[1]	



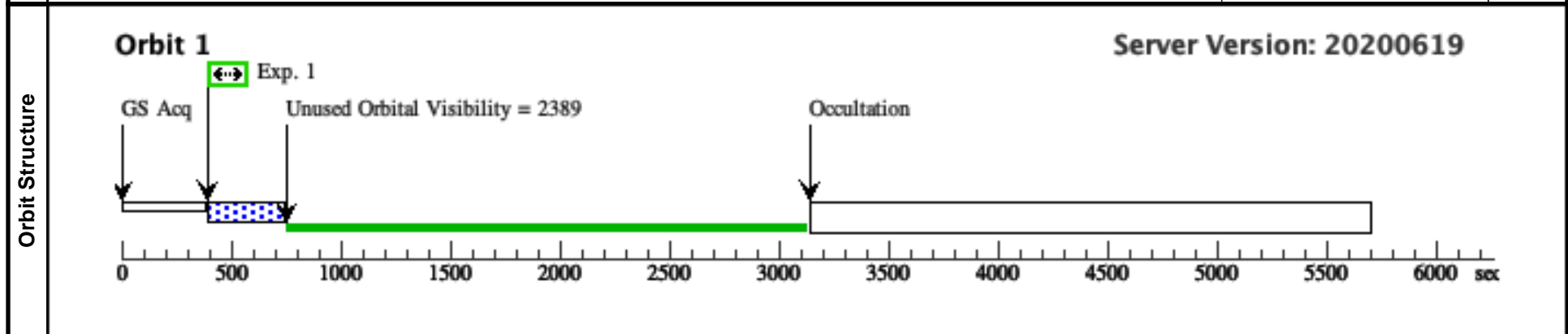
Proposal 15929 - Gyro Bias Update (G3) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	Proposal 15929, Gyro Bias Update (G3), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: S/C					
	Special Requirements: NOTRACK; AFTER 14 BY 0.9 Orbits TO 1.1 Orbits					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D
<i>Comments: Description=Global Jupiter maps</i>							

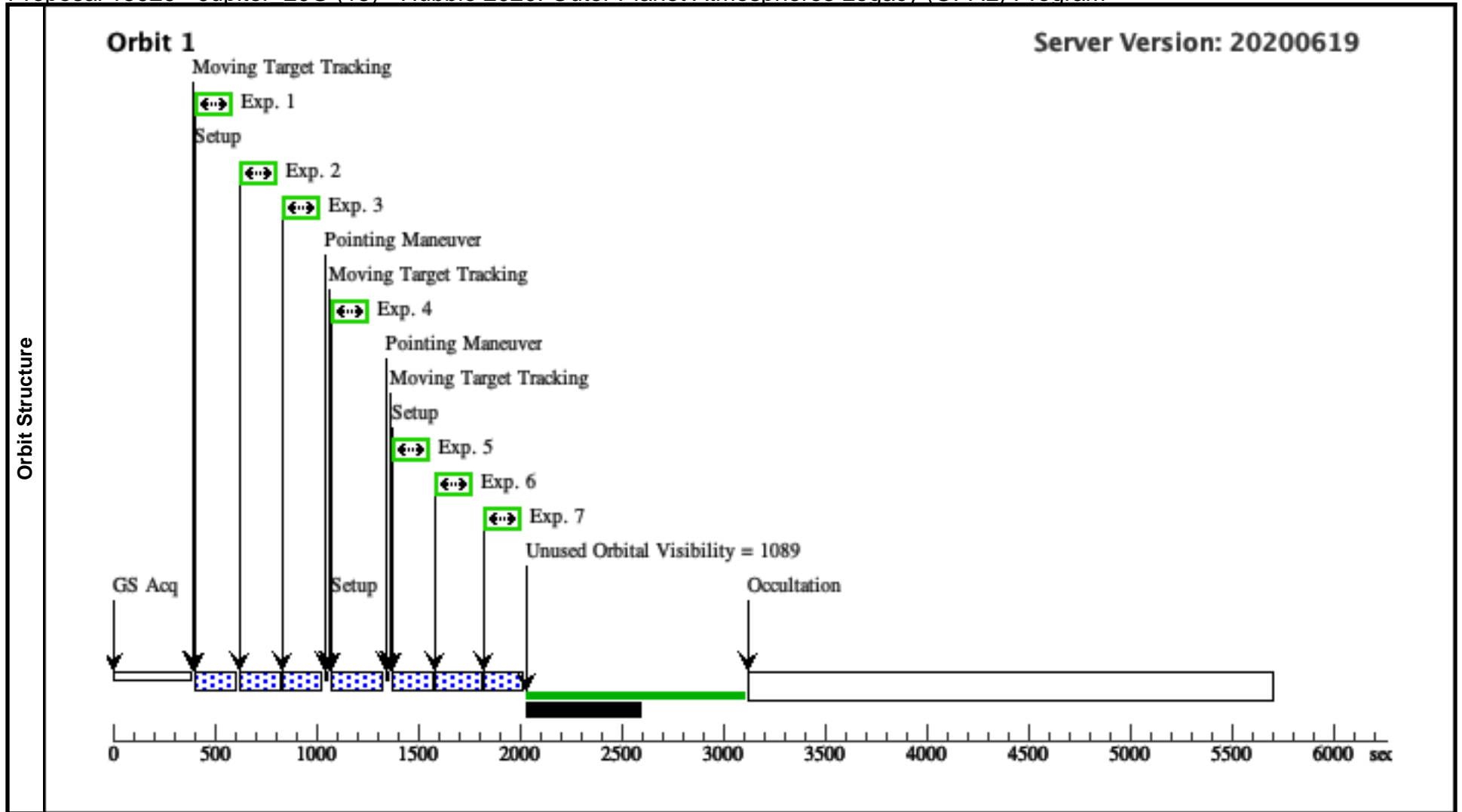
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) JUPITER-MAPS	S/C, POINTING, V1						360.0 Secs (360 Secs)
									[==>]	[1]



Proposal 15929 - Jupiter 20G (15) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

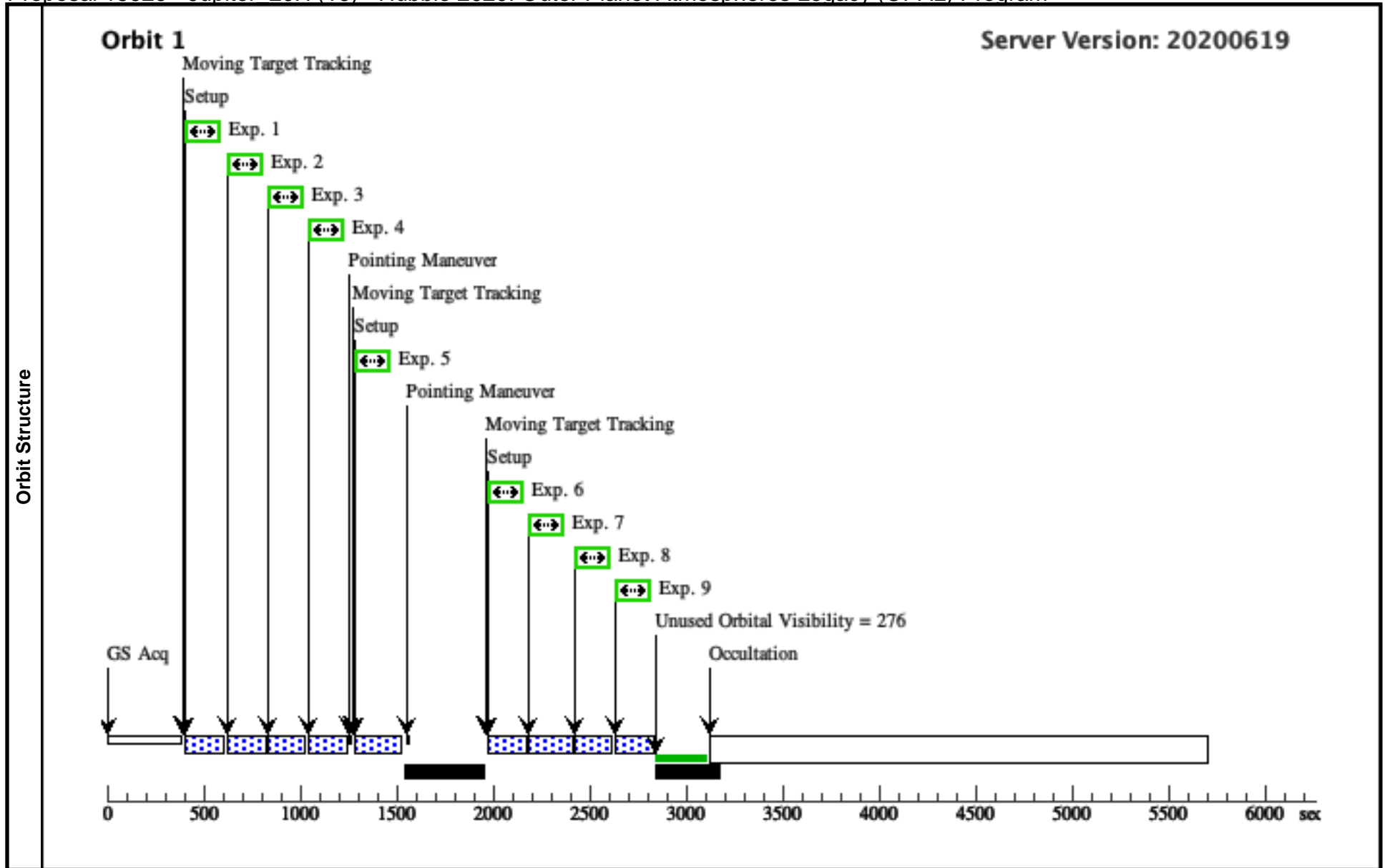
Visit	Proposal 15929, Jupiter_20G (15), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER G3 BY 0.0 Orbits TO 0.5 Orbits; VISIBILITY INTERVAL 52 M																																																																																						
	(F631N (15.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (15.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (15.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (15.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (15.004)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F658N (15.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (15.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (15.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																																																																																						
Diagnostics																																																																																							
Solar System Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Level 1</th> <th>Level 2</th> <th>Level 3</th> <th>Window</th> <th>Ephem Center</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>JUPITER-MAPS</td> <td>STD=JUPITER</td> <td></td> <td></td> <td>NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D</td> <td>EARTH</td> </tr> </tbody> </table>	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH	<i>Comments: Description=Global Jupiter maps</i>																																																																							
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center																																																																																
(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH																																																																																	
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F631N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F631N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20G (15)</td> <td>4 Secs (4 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>F502N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F502N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20G (15)</td> <td>3 Secs (3 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>F395N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F395N</td> <td>CR-SPLIT=NO</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20G (15)</td> <td>10 Secs (10 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>FQ889_quadA</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS-QUAD-SUB</td> <td>FQ889N</td> <td>CR-SPLIT=NO</td> <td>POS TARG +1.7,-2.2</td> <td>Sequence 1-7 Non-Int in Jupiter_20G (15)</td> <td>53 Secs (53 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>5</td> <td>F658N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F658N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20G (15)</td> <td>8 Secs (8 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>6</td> <td>F275W</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F275W</td> <td>CR-SPLIT=NO</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20G (15)</td> <td>30 Secs (30 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>7</td> <td>F343N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F343N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20G (15)</td> <td>6 Secs (6 Secs) [==>]</td> <td>[1]</td> </tr> </tbody> </table>	#	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 1-7 Non-Int in Jupiter_20G (15)	4 Secs (4 Secs) [==>]	[1]	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20G (15)	3 Secs (3 Secs) [==>]	[1]	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20G (15)	10 Secs (10 Secs) [==>]	[1]	4	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-7 Non-Int in Jupiter_20G (15)	53 Secs (53 Secs) [==>]	[1]	5	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20G (15)	8 Secs (8 Secs) [==>]	[1]	6	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20G (15)	30 Secs (30 Secs) [==>]	[1]	7	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20G (15)	6 Secs (6 Secs) [==>]	[1]						
	#	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 1-7 Non-Int in Jupiter_20G (15)	4 Secs (4 Secs) [==>]	[1]																																																																													
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20G (15)	3 Secs (3 Secs) [==>]	[1]																																																																													
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20G (15)	10 Secs (10 Secs) [==>]	[1]																																																																													
	4	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-7 Non-Int in Jupiter_20G (15)	53 Secs (53 Secs) [==>]	[1]																																																																													
	5	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20G (15)	8 Secs (8 Secs) [==>]	[1]																																																																													
	6	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20G (15)	30 Secs (30 Secs) [==>]	[1]																																																																													
7	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20G (15)	6 Secs (6 Secs) [==>]	[1]																																																																														



Proposal 15929 - Jupiter 20H (16) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

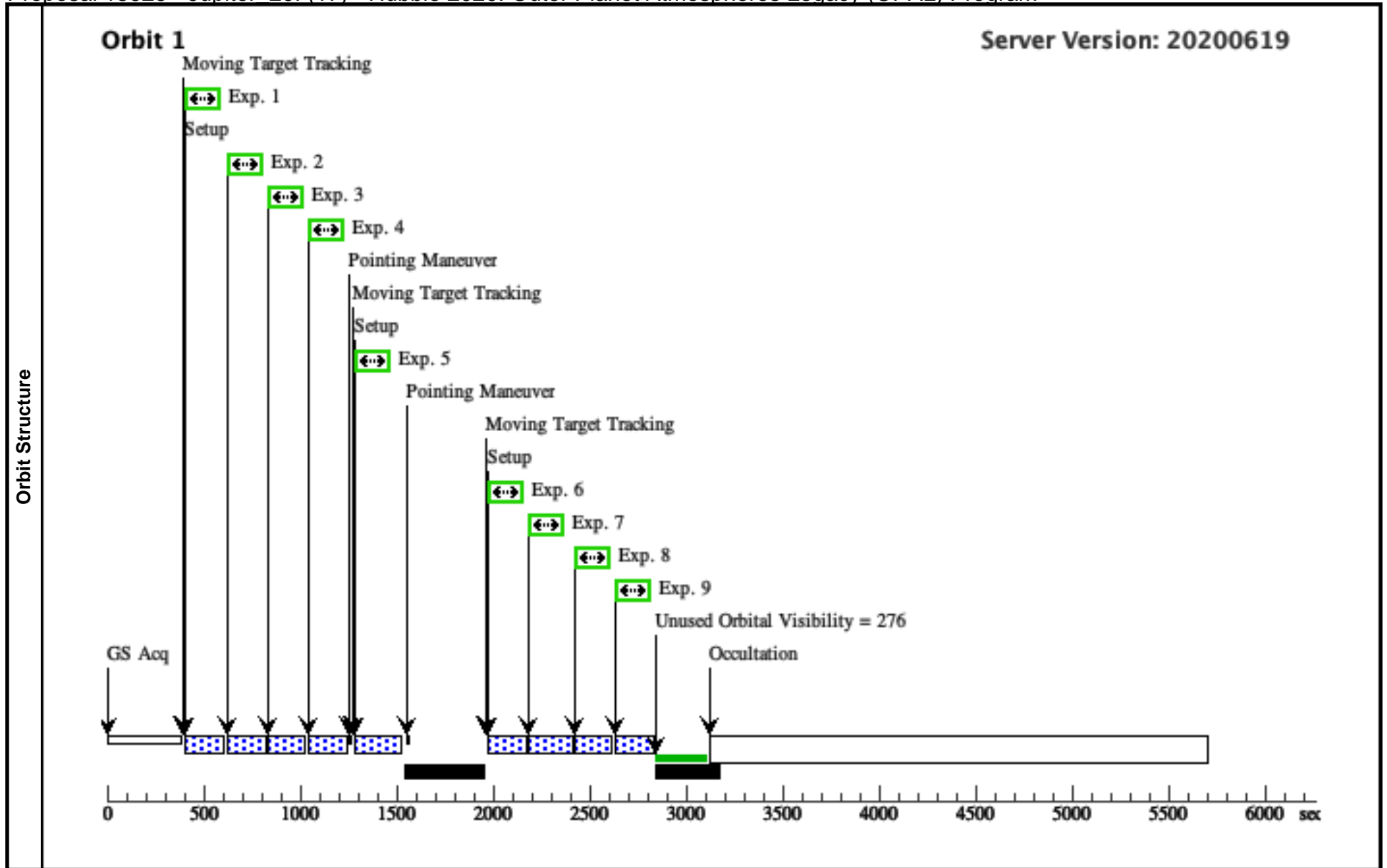
Visit	Proposal 15929, Jupiter_20H (16), failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 15 BY 1.4 Orbits TO 2.1 Orbits; VISIBILITY INTERVAL 52 M									
	Diagnosics (F631N (16.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (16.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (16.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (16.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (16.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (16.005)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F658N (16.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (16.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (16.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (16.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D				
<i>Comments: Description=Global Jupiter maps</i>										
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_20H (16)	4 Secs (4 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_20H (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_20H (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_20H (16)	1.2 Secs (1.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_20H (16)	53 Secs (53 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_20H (16)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_20H (16)	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_20H (16)	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_20H (16)	4 Secs (4 Secs) [==>]	[1]



Proposal 15929 - Jupiter 20I (17) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	Proposal 15929, Jupiter_20I (17), failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 16 BY 0.9 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL 52 M									
	Diagnosics (F631N (17.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (17.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (17.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (17.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (17.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (17.005)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F658N (17.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (17.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (17.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (17.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D				
<i>Comments: Description=Global Jupiter maps</i>										
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_20I (17)	4 Secs (4 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_20I (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_20I (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_20I (17)	1.2 Secs (1.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_20I (17)	53 Secs (53 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_20I (17)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_20I (17)	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_20I (17)	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_20I (17)	4 Secs (4 Secs) [==>]	[1]



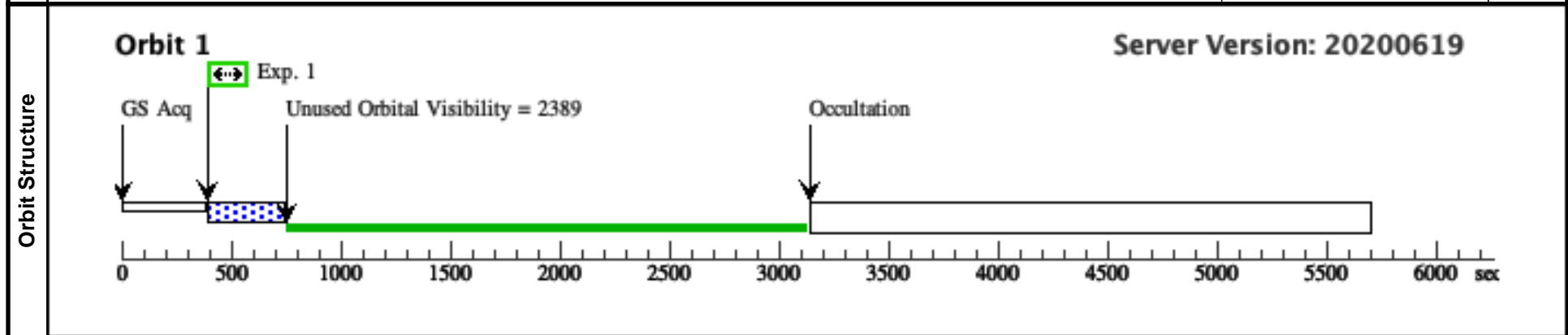
Proposal 15929 - Gyro Bias Update (G4) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	Proposal 15929, Gyro Bias Update (G4), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: S/C					
	Special Requirements: NOTRACK; AFTER 17 BY 0.9 Orbits TO 1.1 Orbits					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D
<i>Comments: Description=Global Jupiter maps</i>							

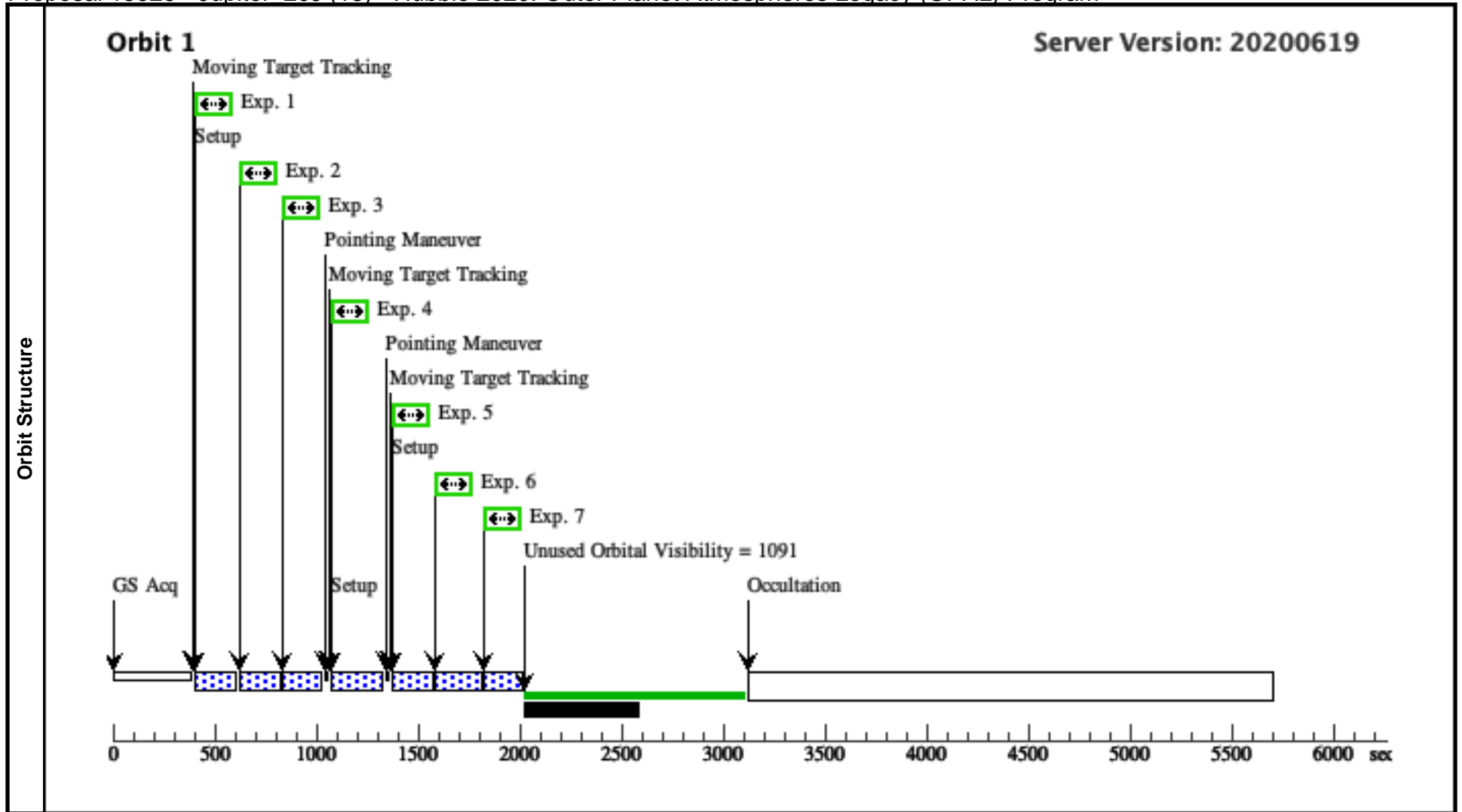
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) JUPITER-MAPS	S/C, POINTING, V1						360.0 Secs (360 Secs)
									[==>]	[1]



Proposal 15929 - Jupiter 20J (18) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

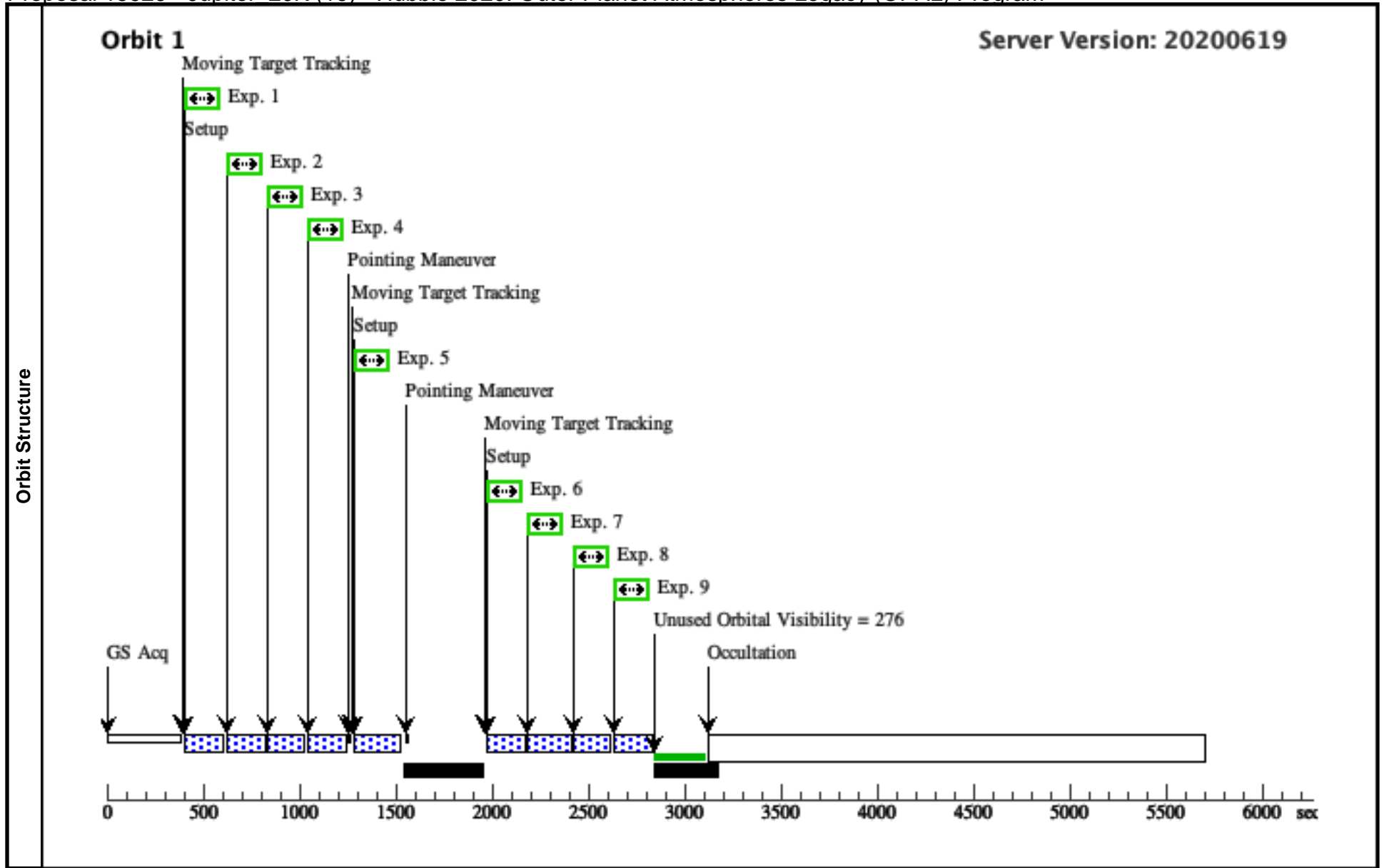
Visit	Proposal 15929, Jupiter_20J (18), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER G4 BY 0.0 Orbits TO 0.5 Orbits; VISIBILITY INTERVAL 52 M									
	Diagnosics (F631N (18.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (18.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (18.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (18.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (18.004)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F658N (18.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (18.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (18.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH			
<i>Comments: Description=Global Jupiter maps</i>										
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 1-7 Non-Int in Jupiter_20J (18)	4 Secs (4 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20J (18)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20J (18)	10 Secs (10 Secs) [==>]	[1]
	4	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-7 Non-Int in Jupiter_20J (18)	53 Secs (53 Secs) [==>]	[1]
	5	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20J (18)	8 Secs (8 Secs) [==>]	[1]
	6	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20J (18)	30 Secs (30 Secs) [==>]	[1]
	7	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20J (18)	4 Secs (4 Secs) [==>]	[1]



Proposal 15929 - Jupiter 20K (19) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	Proposal 15929, Jupiter_20K (19), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER G4 BY 0.0 Orbits TO 1.1 Orbits; VISIBILITY INTERVAL 52 M									
	Diagnostics	(F631N (19.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (19.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (19.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (19.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (19.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (19.005)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F658N (19.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (19.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (19.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (19.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser								
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D			
<i>Comments: Description=Global Jupiter maps</i>										
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_20K (19)	4 Secs (4 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_20K (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_20K (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_20K (19)	1.2 Secs (1.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_20K (19)	53 Secs (53 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_20K (19)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_20K (19)	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_20K (19)	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_20K (19)	4 Secs (4 Secs) [==>]	[1]



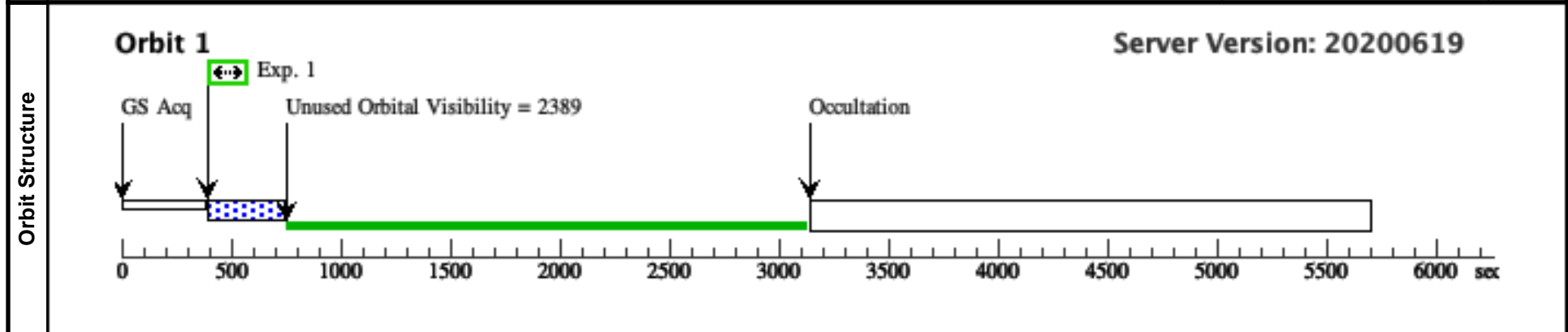
Proposal 15929 - Gyro Bias Update (G5) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	Proposal 15929, Gyro Bias Update (G5), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: S/C					
	Special Requirements: NOTRACK; AFTER 19 BY 0.9 Orbits TO 1.1 Orbits					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH
	<i>Comments: Description=Global Jupiter maps</i>						

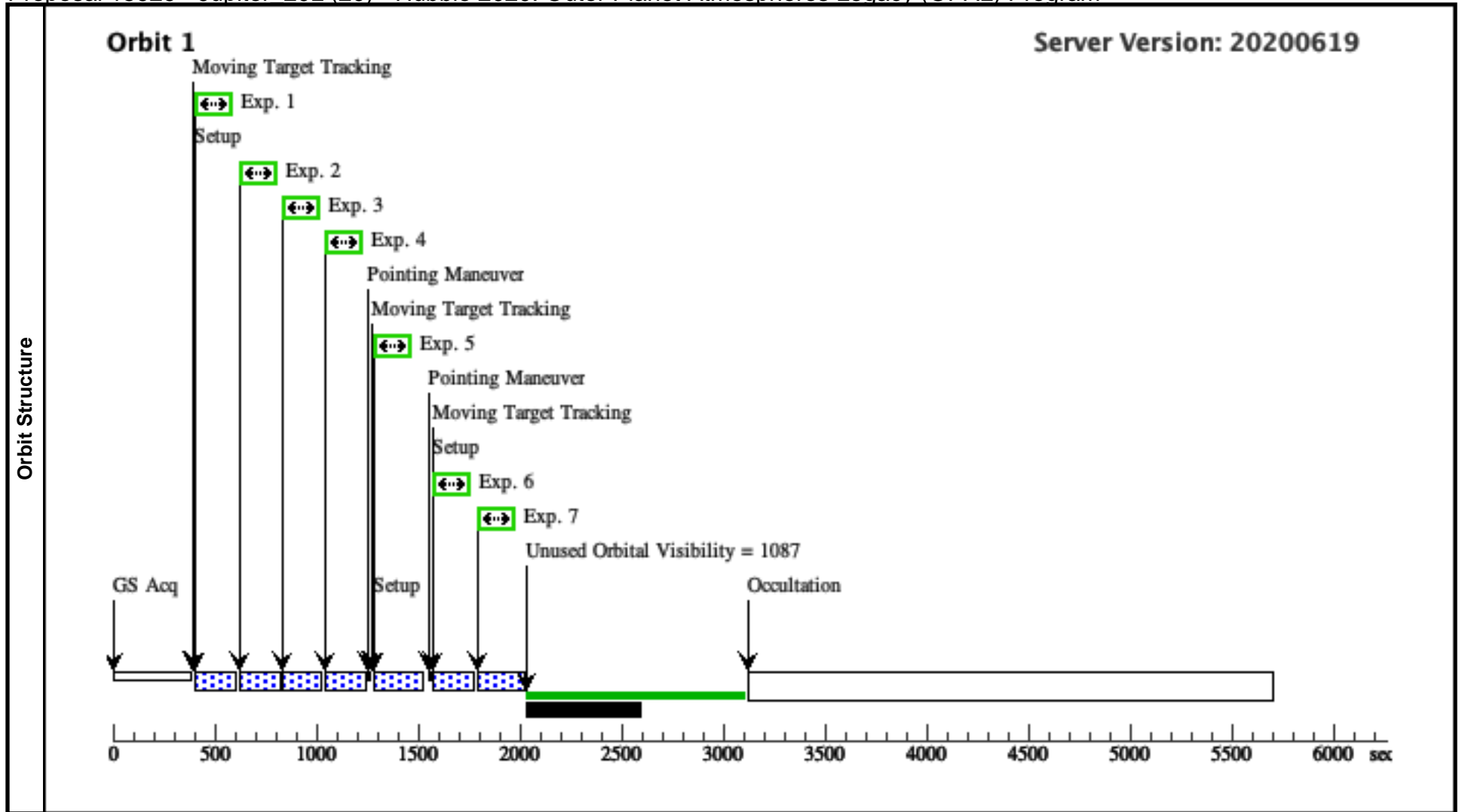
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) JUPITER-MAPS	S/C, POINTING, V1					360.0 Secs (360 Secs)	
									[==>]	[1]



Proposal 15929 - Jupiter 20L (20) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

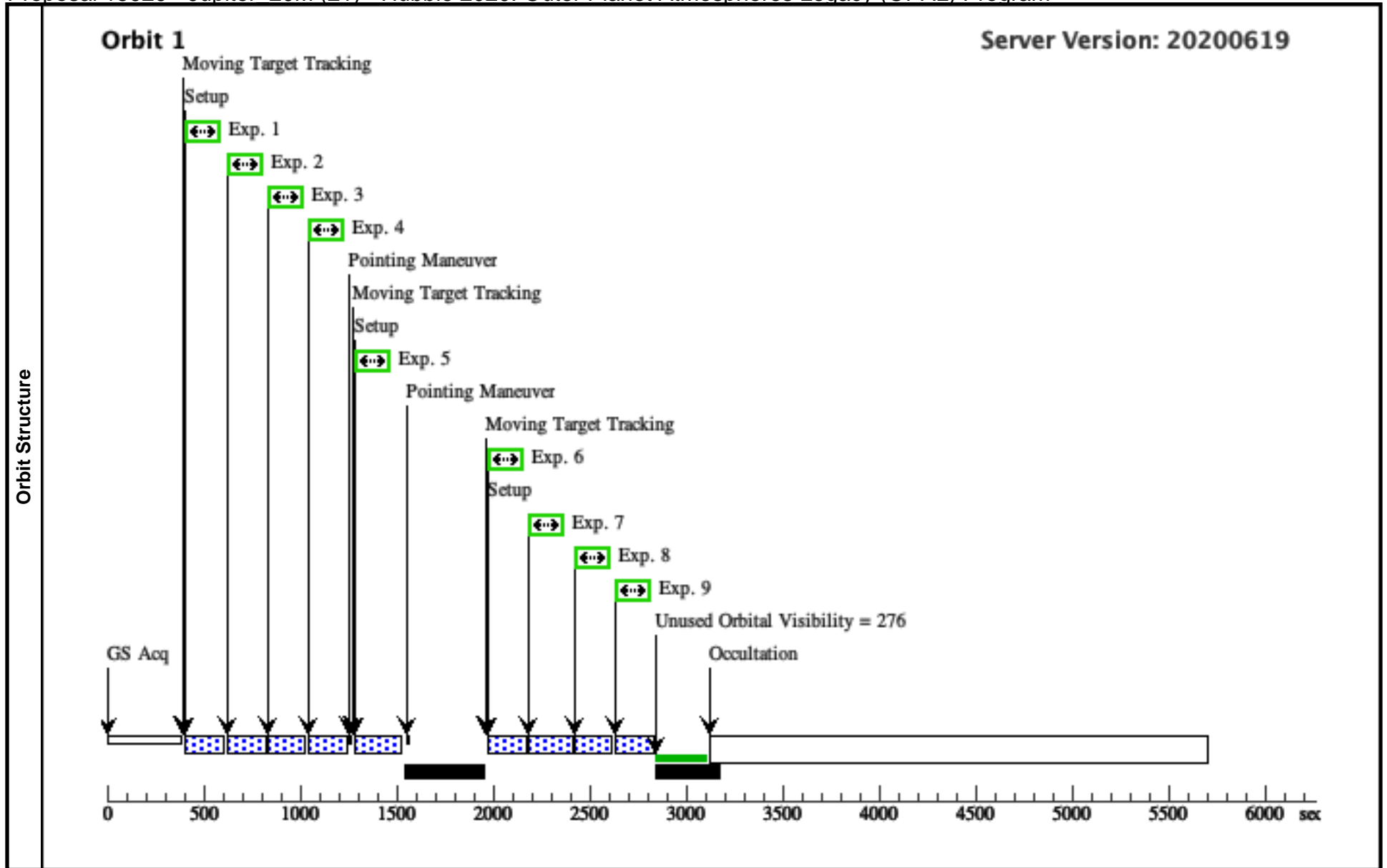
Visit	Proposal 15929, Jupiter_20L (20), failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER G5 BY 0.0 Orbits TO 0.5 Orbits; VISIBILITY INTERVAL 52 M																																																																																						
	(F631N (20.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (20.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (20.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (20.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (20.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (20.005)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F658N (20.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (20.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																																																																																						
Diagnostics																																																																																							
Solar System Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Level 1</th> <th>Level 2</th> <th>Level 3</th> <th>Window</th> <th>Ephem Center</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>JUPITER-MAPS</td> <td>STD=JUPITER</td> <td></td> <td></td> <td>NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D</td> <td>EARTH</td> </tr> </tbody> </table>	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH	<i>Comments: Description=Global Jupiter maps</i>																																																																							
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center																																																																																
(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH																																																																																	
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F631N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F631N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20L (20)</td> <td>4 Secs (4 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>F502N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F502N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20L (20)</td> <td>3 Secs (3 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>F395N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F395N</td> <td>CR-SPLIT=NO</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20L (20)</td> <td>10 Secs (10 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>F467M</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F467M</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20L (20)</td> <td>1.2 Secs (1.2 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>5</td> <td>FQ889_quadA</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS-QUAD-SUB</td> <td>FQ889N</td> <td>CR-SPLIT=NO</td> <td>POS TARG +1.7,-2.2</td> <td>Sequence 1-7 Non-Int in Jupiter_20L (20)</td> <td>53 Secs (53 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>6</td> <td>F658N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F658N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20L (20)</td> <td>8 Secs (8 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>7</td> <td>F275W</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F275W</td> <td>CR-SPLIT=NO</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_20L (20)</td> <td>30 Secs (30 Secs) [==>]</td> <td>[1]</td> </tr> </tbody> </table>	#	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 1-7 Non-Int in Jupiter_20L (20)	4 Secs (4 Secs) [==>]	[1]	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20L (20)	3 Secs (3 Secs) [==>]	[1]	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20L (20)	10 Secs (10 Secs) [==>]	[1]	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20L (20)	1.2 Secs (1.2 Secs) [==>]	[1]	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-7 Non-Int in Jupiter_20L (20)	53 Secs (53 Secs) [==>]	[1]	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20L (20)	8 Secs (8 Secs) [==>]	[1]	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20L (20)	30 Secs (30 Secs) [==>]	[1]						
	#	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 1-7 Non-Int in Jupiter_20L (20)	4 Secs (4 Secs) [==>]	[1]																																																																													
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20L (20)	3 Secs (3 Secs) [==>]	[1]																																																																													
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20L (20)	10 Secs (10 Secs) [==>]	[1]																																																																													
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20L (20)	1.2 Secs (1.2 Secs) [==>]	[1]																																																																													
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-7 Non-Int in Jupiter_20L (20)	53 Secs (53 Secs) [==>]	[1]																																																																													
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_20L (20)	8 Secs (8 Secs) [==>]	[1]																																																																													
7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_20L (20)	30 Secs (30 Secs) [==>]	[1]																																																																														



Proposal 15929 - Jupiter 20M (21) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	Proposal 15929, Jupiter_20M (21), failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 20 BY 0.0 Orbits TO 1.5 Orbits; VISIBILITY INTERVAL 52 M									
	Diagnosics (F631N (21.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (21.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (21.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (21.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (21.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (21.005)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F658N (21.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (21.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (21.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (21.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D				
<i>Comments: Description=Global Jupiter maps</i>										
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_20M (21)	4 Secs (4 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_20M (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_20M (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_20M (21)	1.2 Secs (1.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_20M (21)	53 Secs (53 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_20M (21)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_20M (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_20M (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_20M (21)	4 Secs (4 Secs) [==>]	[1]



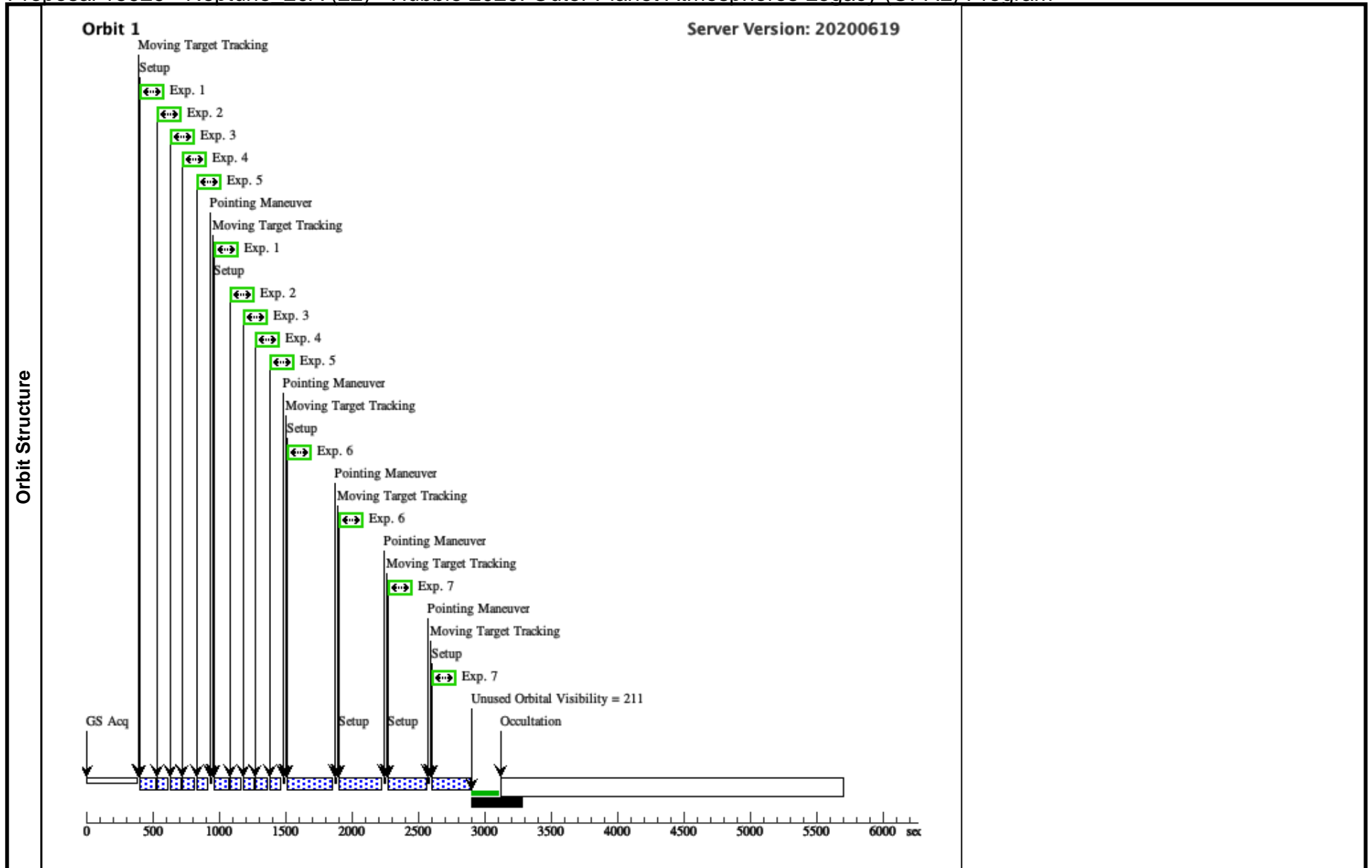
Proposal 15929 - Neptune 20A (22) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	<p>Proposal 15929, Neptune_20A (22), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 11-AUG-2020:00:00:00 AND 11-OCT-2020:00:00:00; VISIBILITY INTERVAL 52 M</p> <p><i>Comments: Neptune Opposition (2020-SEP-11) +/- 30 days preferred.</i></p> <p><i>8 orbits, with mostly 2-orbit gaps between most visits (5-6x 2-orbit gaps, 1-2x 1-orbit gaps).</i></p> <p><i>If shifting needed (for SAA avoidance or observatory constraints), can reduce a 3rd gap to 1 orbits (no more than 3 1-orbit gaps overall). We can tolerate gyro bias updates to ease the contiguous orbit constraints, and will work with our program contacts to fit them in. 3-gyro mode may be necessary as this is a moving target.</i></p>					
	<p>(F845M (22.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (22.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (22.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (22.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (22.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (22.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (22.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ619N_quadA (22.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (22.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p>					
Diagnostics						
Patterns	#	Primary Pattern		Secondary Pattern		Exposures
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-5), (7)
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(6)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window
	(4)	NEPTUNE-MAPS	STD=NEPTUNE			
<p><i>Comments: Description=Global Neptune Maps</i></p>						
<p>EARTH</p>						

Proposal 15929 - Neptune 20A (22) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20A (2 2) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20A (22) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20A (2 2) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20A (22) (2)	15 Secs (30 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 1-7 Non-Int in Neptune_20A (2 2) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20A (22) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20A (2 2) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20A (22) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20A (2 2) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20A (22) (2)	20 Secs (40 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 -25,+28	Sequence 1-7 Non-Int in Neptune_20A (2 2) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_20A (22) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_20A (2 2) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_20A (22) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



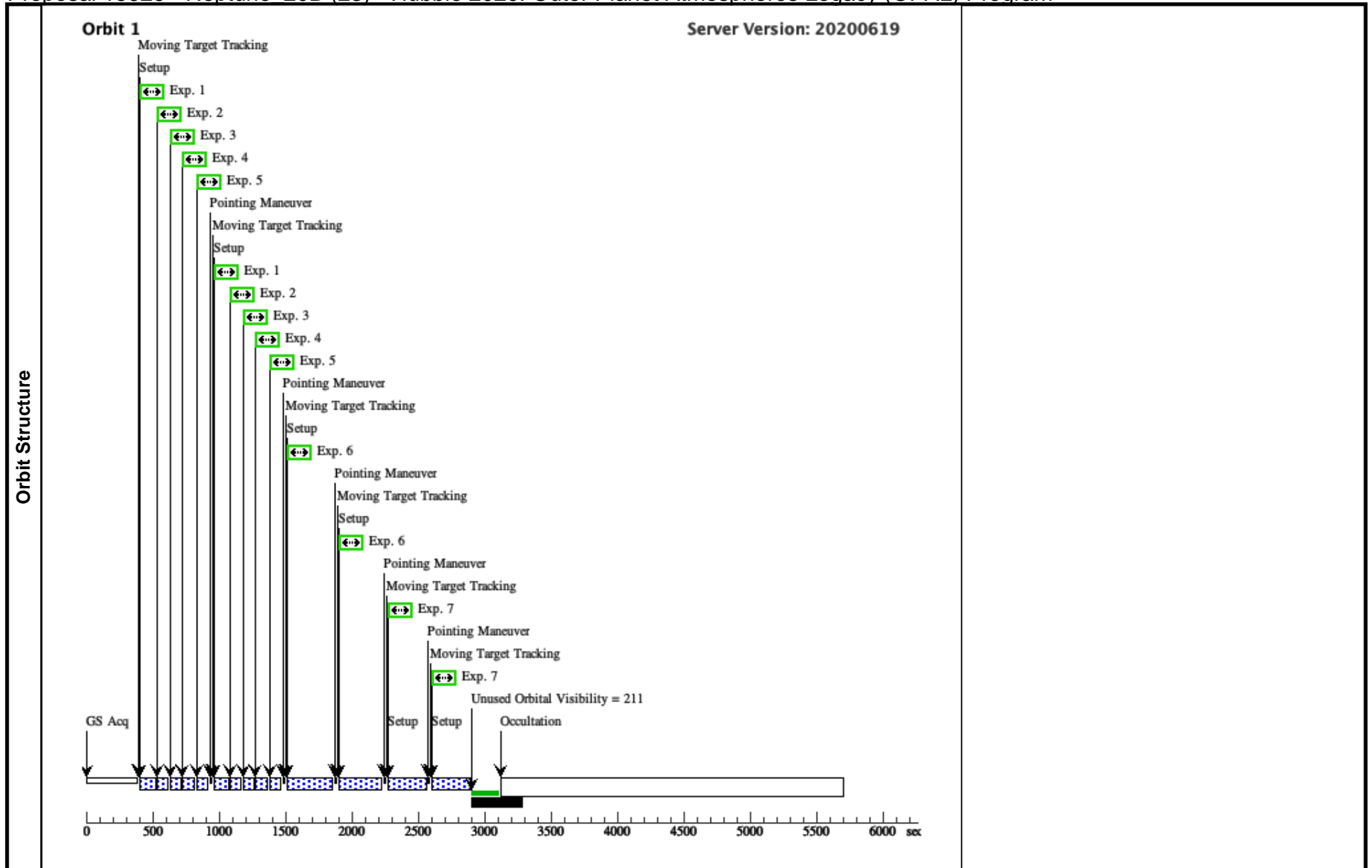
Proposal 15929 - Neptune 20B (23) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:27 GMT 2020

Visit	Proposal 15929, Neptune_20B (23), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 22 BY 1.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL 52 M						
	(F845M (23.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (23.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (23.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (23.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (23.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (23.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (23.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (FQ619N_quadA (23.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (23.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.						
Diagnostics							
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures		
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-5), (7)		
(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(6)				
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
Comments: Description=Global Neptune Maps							

Proposal 15929 - Neptune 20B (23) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20B (23) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20B (23) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20B (23) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20B (23) (2)	15 Secs (30 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 1-7 Non-Int in Neptune_20B (23) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20B (23) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20B (23) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20B (23) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20B (23) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20B (23) (2)	20 Secs (40 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 -25,+28	Sequence 1-7 Non-Int in Neptune_20B (23) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_20B (23) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_20B (23) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_20B (23) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



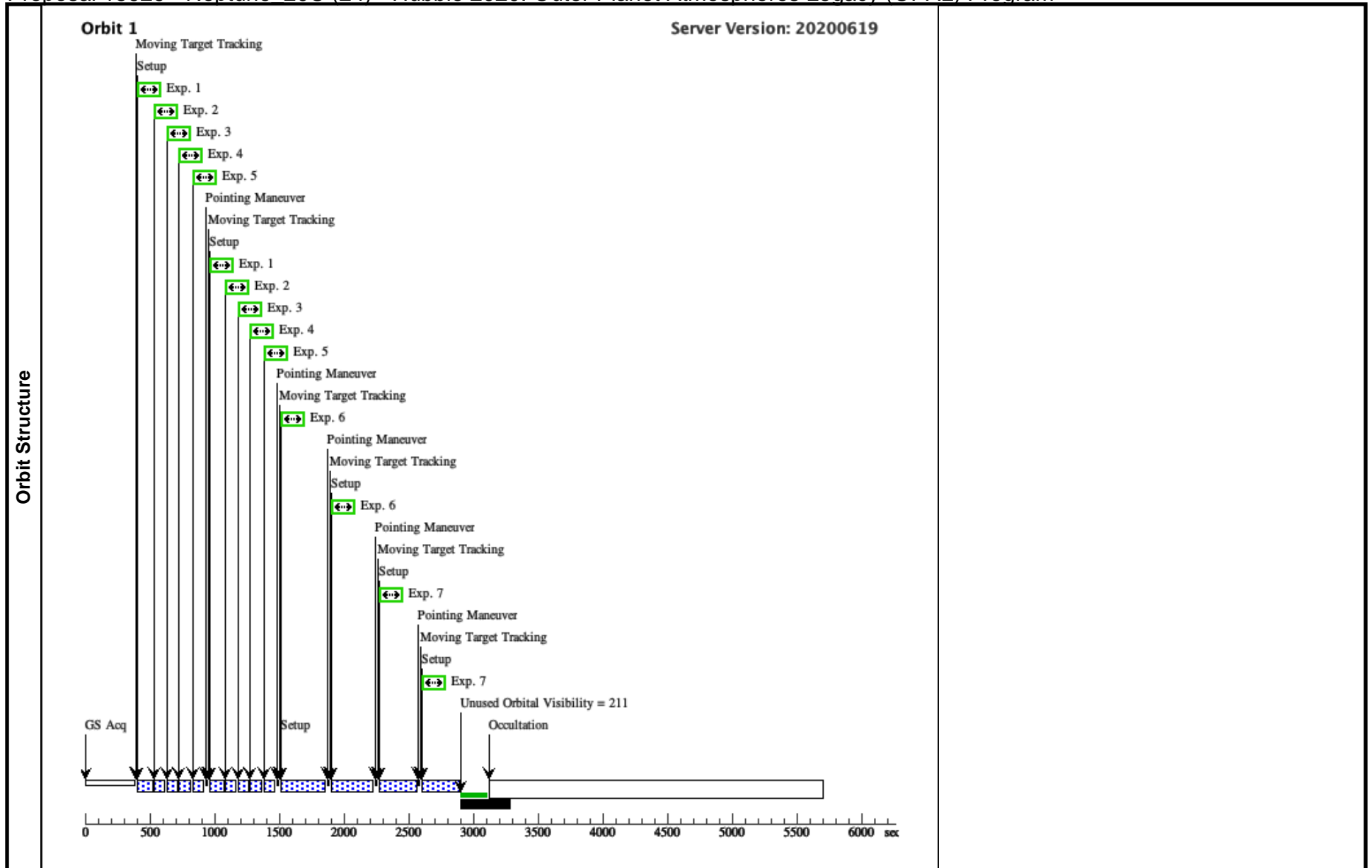
Proposal 15929 - Neptune 20C (24) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	<p>Proposal 15929, Neptune_20C (24), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 23 BY 1.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL 52 M</p>						
	<p>(F845M (24.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (24.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (24.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (24.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (24.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (24.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (24.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ619N_quadA (24.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (24.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p>						
Diagnostics							
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-5), (7)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(6)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
<p><i>Comments: Description=Global Neptune Maps</i></p>							

Proposal 15929 - Neptune 20C (24) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20C (24) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20C (24) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20C (24) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20C (24) (2)	15 Secs (30 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 1-7 Non-Int in Neptune_20C (24) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20C (24) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20C (24) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20C (24) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20C (24) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20C (24) (2)	20 Secs (40 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 -25,+28	Sequence 1-7 Non-Int in Neptune_20C (24) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_20C (24) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_20C (24) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_20C (24) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



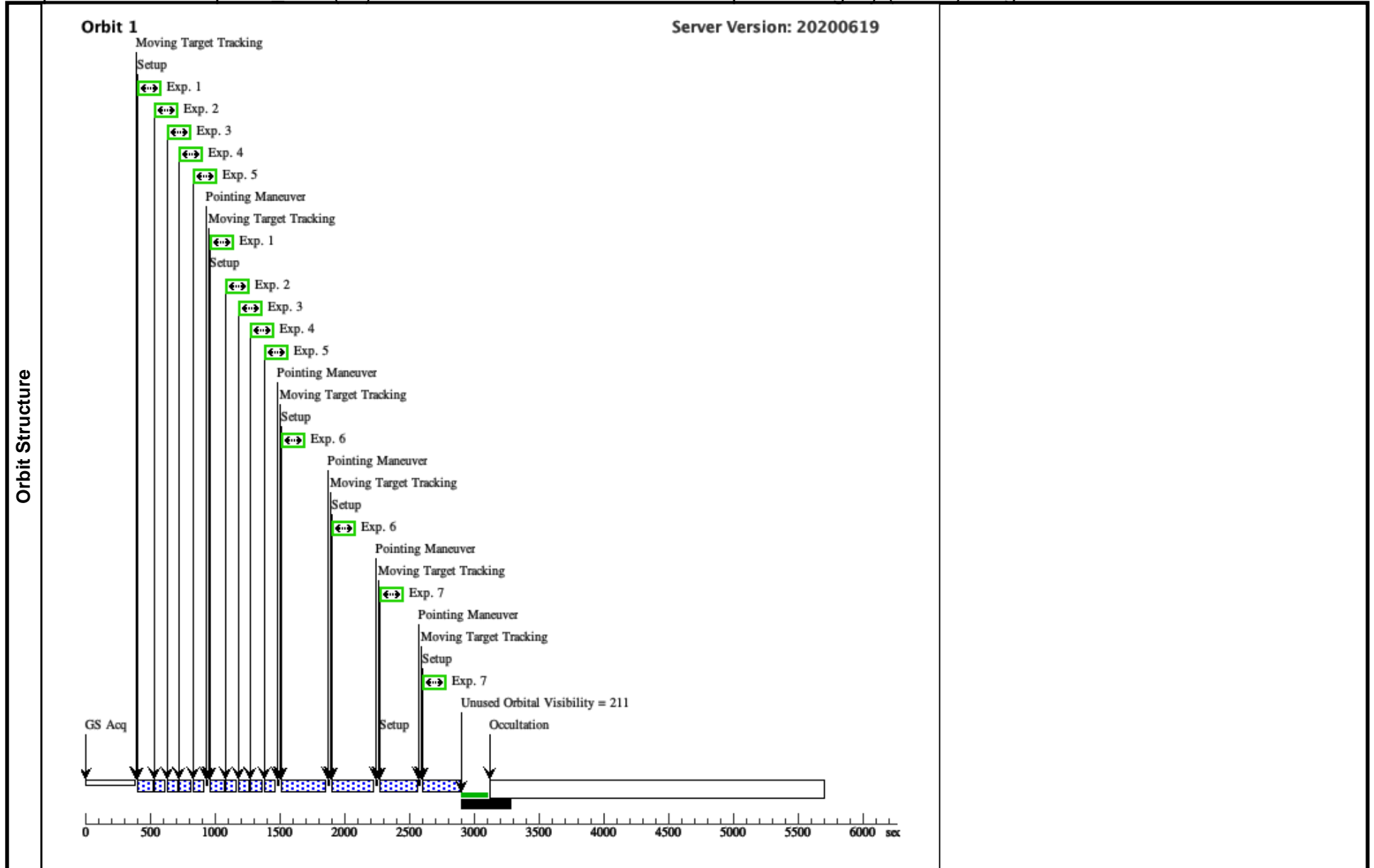
Proposal 15929 - Neptune 20D (25) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	<p>Proposal 15929, Neptune_20D (25), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 24 BY 1.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL 52 M</p>						
	<p>(F845M (25.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (25.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (25.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (25.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (25.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (25.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (25.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ619N_quadA (25.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (25.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p>						
Diagnostics							
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures		
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-5), (7)		
(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(6)				
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
<p><i>Comments: Description=Global Neptune Maps</i></p>							

Proposal 15929 - Neptune 20D (25) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20D (25) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20D (25) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20D (25) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20D (25) (2)	15 Secs (30 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 1-7 Non-Int in Neptune_20D (25) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20D (25) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20D (25) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20D (25) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20D (25) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20D (25) (2)	20 Secs (40 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 -25,+28	Sequence 1-7 Non-Int in Neptune_20D (25) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_20D (25) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_20D (25) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_20D (25) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



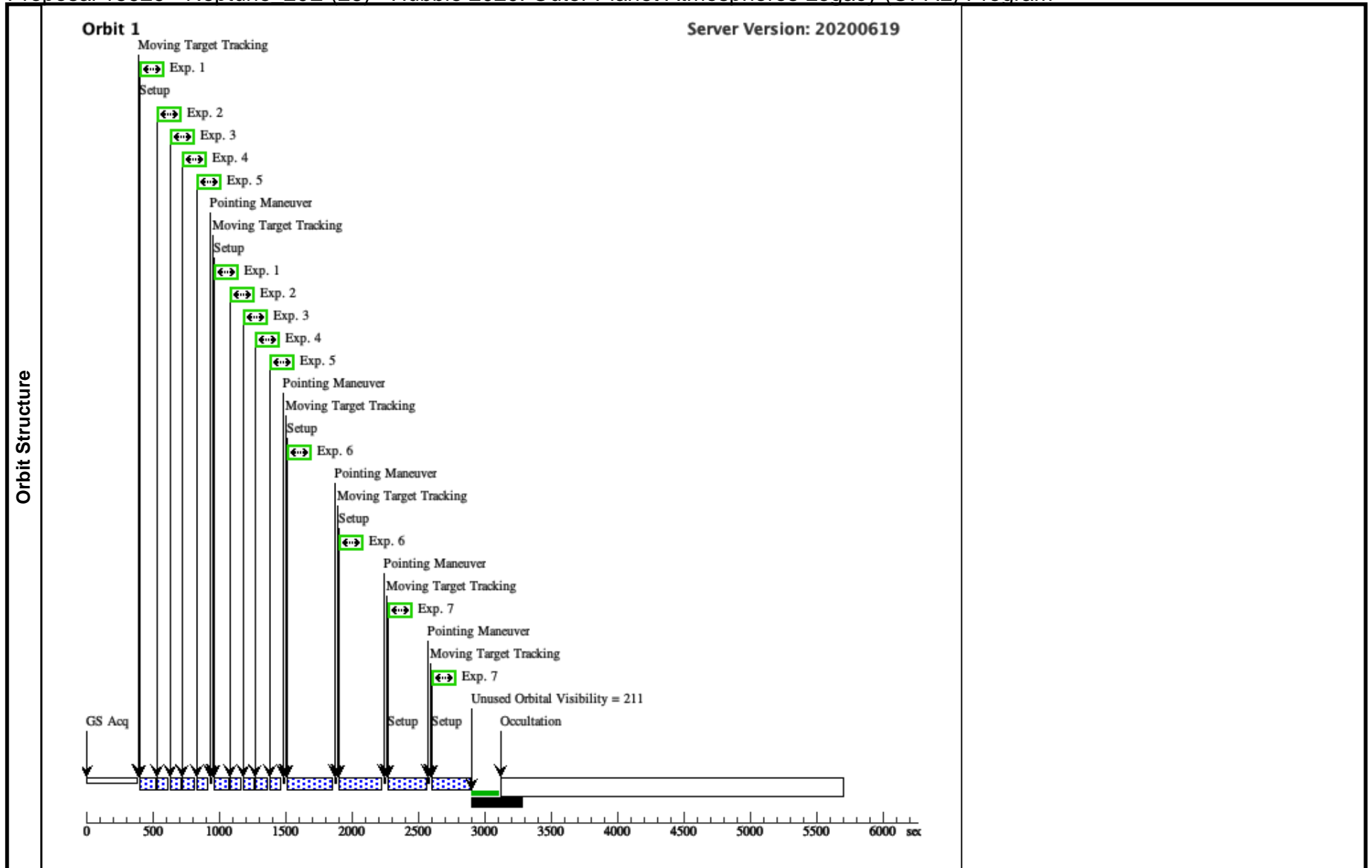
Proposal 15929 - Neptune 20E (26) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	Proposal 15929, Neptune_20E (26), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 25 BY 1.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL 52 M						
	(F845M (26.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (26.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (26.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (26.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (26.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (26.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (26.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (FQ619N_quadA (26.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (26.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.						
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	(1-5), (7)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(6)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
Comments: Description=Global Neptune Maps							

Proposal 15929 - Neptune 20E (26) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20E (26) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20E (26) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20E (26) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20E (26) (2)	15 Secs (30 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 1-7 Non-Int in Neptune_20E (26) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20E (26) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20E (26) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20E (26) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20E (26) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20E (26) (2)	20 Secs (40 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 -25,+28	Sequence 1-7 Non-Int in Neptune_20E (26) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_20E (26) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_20E (26) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_20E (26) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



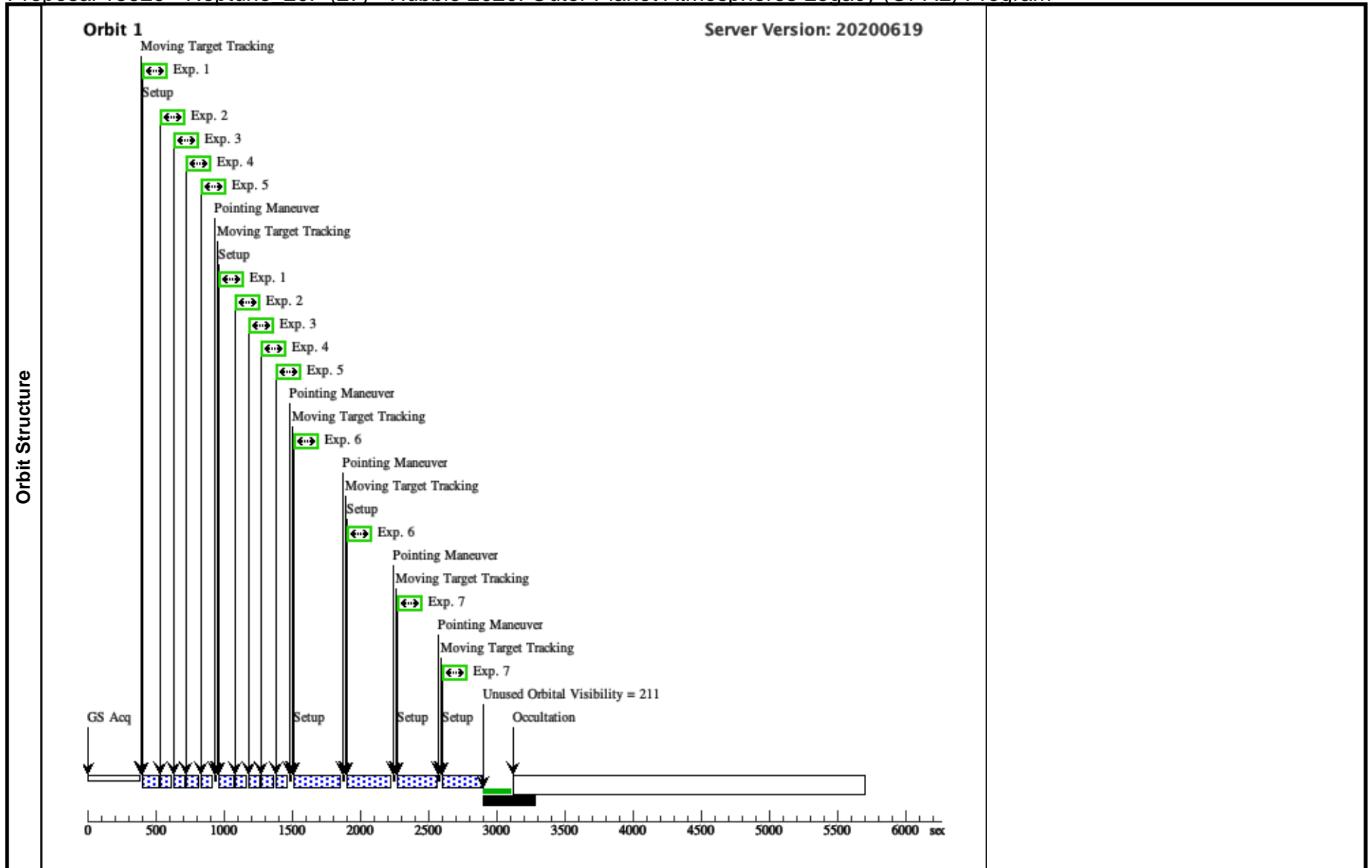
Proposal 15929 - Neptune 20F (27) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	Proposal 15929, Neptune_20F (27), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 26 BY 1.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL 52 M						
	Diagnosics (F845M (27.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (27.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F547M (27.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F657N (27.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F763M (27.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (27.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N_quadD (27.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (FQ619N_quadA (27.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ619N_quadA (27.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.						
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	(1-5), (7)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(6)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
Comments: Description=Global Neptune Maps							

Proposal 15929 - Neptune 20F (27) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20F (27) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20F (27) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20F (27) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20F (27) (2)	15 Secs (30 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 1-7 Non-Int in Neptune_20F (27) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20F (27) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20F (27) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20F (27) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20F (27) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20F (27) (2)	20 Secs (40 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 -25,+28	Sequence 1-7 Non-Int in Neptune_20F (27) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_20F (27) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_20F (27) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_20F (27) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



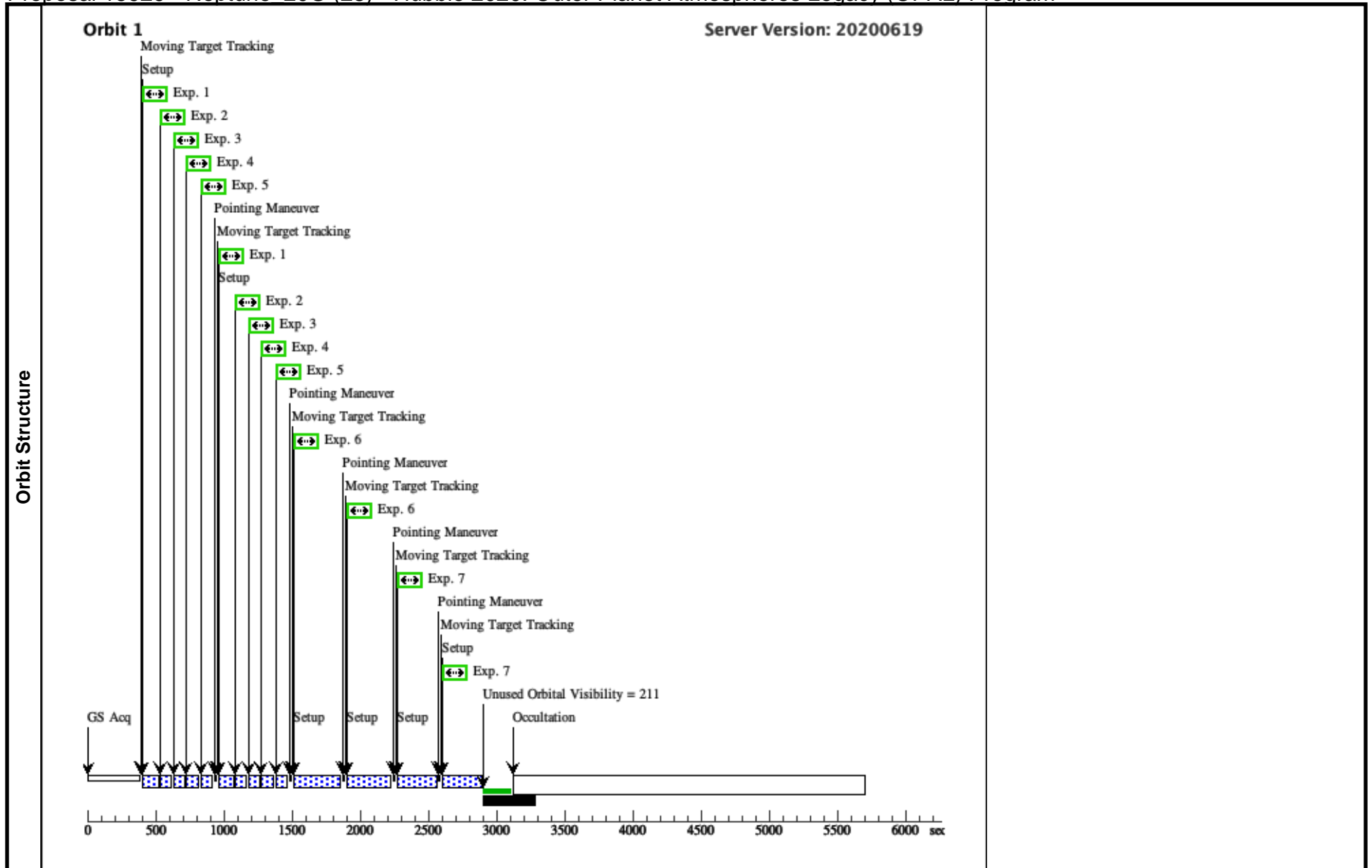
Proposal 15929 - Neptune 20G (28) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	<p>Proposal 15929, Neptune_20G (28), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 27 BY 1.9 Orbits TO 3.1 Orbits; VISIBILITY INTERVAL 52 M</p>						
Diagnostics	<p>(F845M (28.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (28.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (28.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (28.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (28.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (28.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (28.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ619N_quadA (28.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (28.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p>						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-5), (7)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(6)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH	
<p><i>Comments: Description=Global Neptune Maps</i></p>							

Proposal 15929 - Neptune 20G (28) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F845M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F845M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20G (28) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20G (28) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20G (28) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20G (28) (2)	15 Secs (30 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 1-7 Non-Int in Neptune_20G (28) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20G (28) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20G (28) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20G (28) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20G (28) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20G (28) (2)	20 Secs (40 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 -25,+28	Sequence 1-7 Non-Int in Neptune_20G (28) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_20G (28) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_20G (28) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_20G (28) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



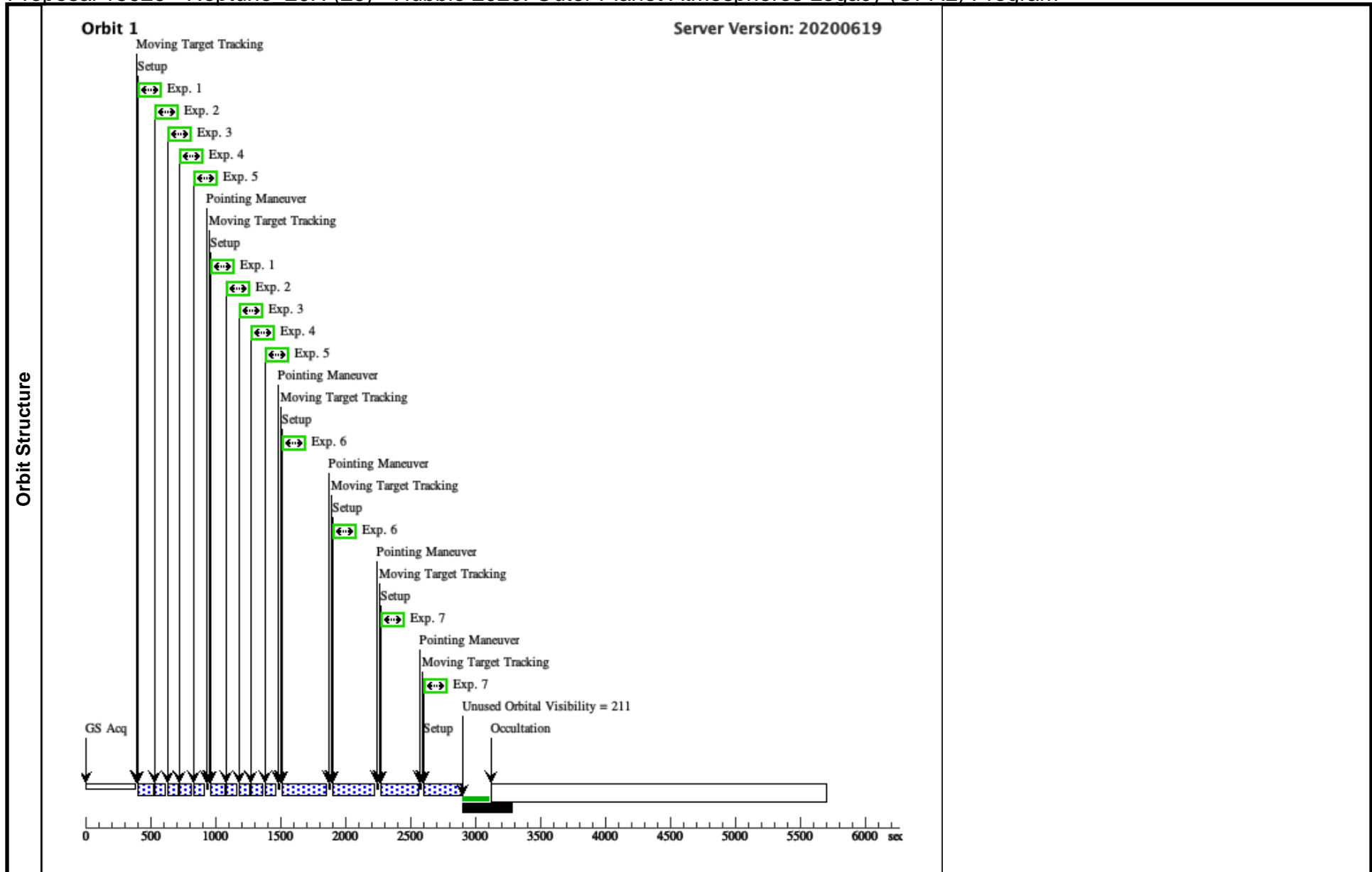
Proposal 15929 - Neptune 20H (29) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	<p>Proposal 15929, Neptune_20H (29), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 22 BY 18.9 Orbits TO 19.1 Orbits; VISIBILITY INTERVAL 52 M</p>						
Diagnostics	<p>(F845M (29.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (29.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F547M (29.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F657N (29.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F763M (29.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (29.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N_quadD (29.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(FQ619N_quadA (29.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ619N_quadA (29.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p>						
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	(1-5), (7)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(6)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	NEPTUNE-MAPS	STD=NEPTUNE				EARTH
<p><i>Comments: Description=Global Neptune Maps</i></p>							

Proposal 15929 - Neptune 20H (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		Sequence 1-7 Non-Int in Neptune_20H (29) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20H (29) (2)	40 Secs (80 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F467M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F467M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20H (29) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20H (29) (2)	15 Secs (30 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 1-7 Non-Int in Neptune_20H (29) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20H (29) (2)	6 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F657N	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F657N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20H (29) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20H (29) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F763M	CR-SPLIT=NO		Sequence 1-7 Non-Int in Neptune_20H (29) Pattern 2, Exps 1-5 in Sequence 1-7 Non-Int in Neptune_20H (29) (2)	20 Secs (40 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 -25,+28	Sequence 1-7 Non-Int in Neptune_20H (29) Pattern 3, Exps 6-6 in Sequence 1-7 Non-Int in Neptune_20H (29) (3)	150 Secs (300 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	FQ619N_qu adA	(4) NEPTUNE-MAP S	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ619N	CR-SPLIT=NO	POS TARG +20,-24	Sequence 1-7 Non-Int in Neptune_20H (29) Pattern 2, Exps 7-7 in Sequence 1-7 Non-Int in Neptune_20H (29) (2)	120 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



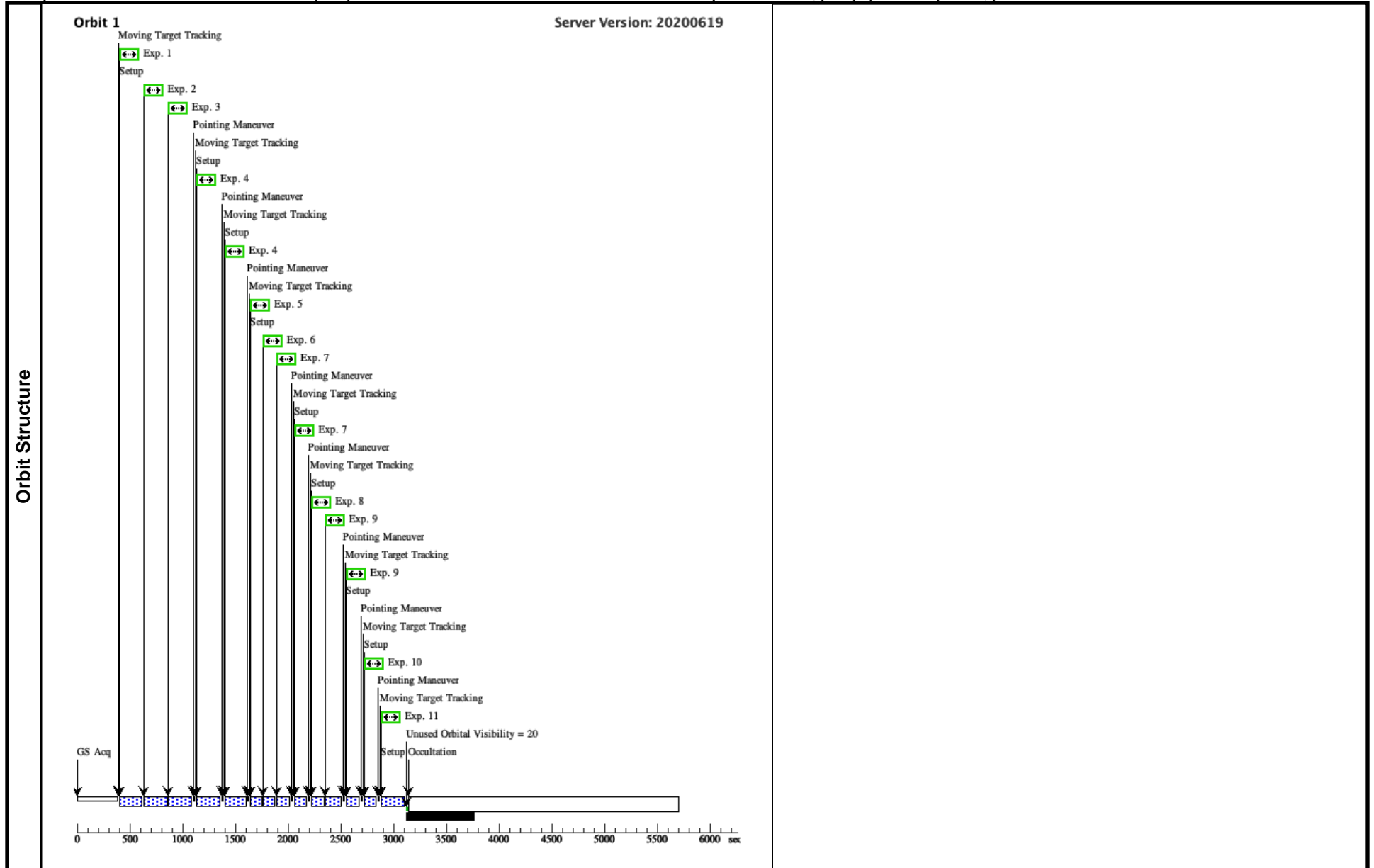
Proposal 15929 - Saturn 20A (30) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	<p>Proposal 15929, Saturn_20A (30), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 20-JUN-2020 AND 20-AUG-2020</p> <p><i>Comments: 12 orbits, should be contiguous, if possible. A gap of 1 or 2 orbits between 6 - 7 is acceptable, or a gap between 5-6, 6-7, or 7-8. Impingement into SAA is OK if the above timing gaps cannot prevent it. We can tolerate gyro bias updates to ease the contiguous orbit constraints, and will work with our program contacts to fit them in. 3-gyro mode may be necessary as this is a moving target.</i></p> <p><i>Saturn opposition (2020-JUL-20) +/- 30 days</i></p> <p><i>OPAL Saturn filters: 225, 275, 343, 395, 467, 502, 631, 727, 763, 889</i></p> <p><i>If orbital visibility requires a cut, remove F467M first</i></p>						
	<p>(F631N_2K (30.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F502N_2K (30.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F395N_2K (30.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727_quadD (30.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727_quadD (30.004)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(F763M (30.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (30.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (30.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F343N (30.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F225W (30.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F631N (30.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (30.011)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (30.011)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p>						
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	(7), (9)			
(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(4)				
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"	EARTH
<p><i>Comments: Description=Global Saturn maps</i></p>							

Proposal 15929 - Saturn 20A (30) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20A (30)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20A (30)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20A (30)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-11 Non-Int in Saturn_20A (30) Pattern 3, Exps 4-4 in Sequence 1-11 Non-Int in Saturn_20A (30) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-11 Non-Int in Saturn_20A (30)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.100533 9)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-11 Non-Int in Saturn_20A (30)	7 Secs (7 Secs) [==>]	[1]
	7	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20A (30) Pattern 2, Exps 7-7 in Sequence 1-11 Non-Int in Saturn_20A (30) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20A (30)	20 Secs (20 Secs) [==>]	[1]
	9	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20A (30) Pattern 2, Exps 9-9 in Sequence 1-11 Non-Int in Saturn_20A (30) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20A (30)	15 Secs (15 Secs) [==>]	[1]
11	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-11 Non-Int in Saturn_20A (30)	30 Secs (30 Secs) [==>]	[1]	



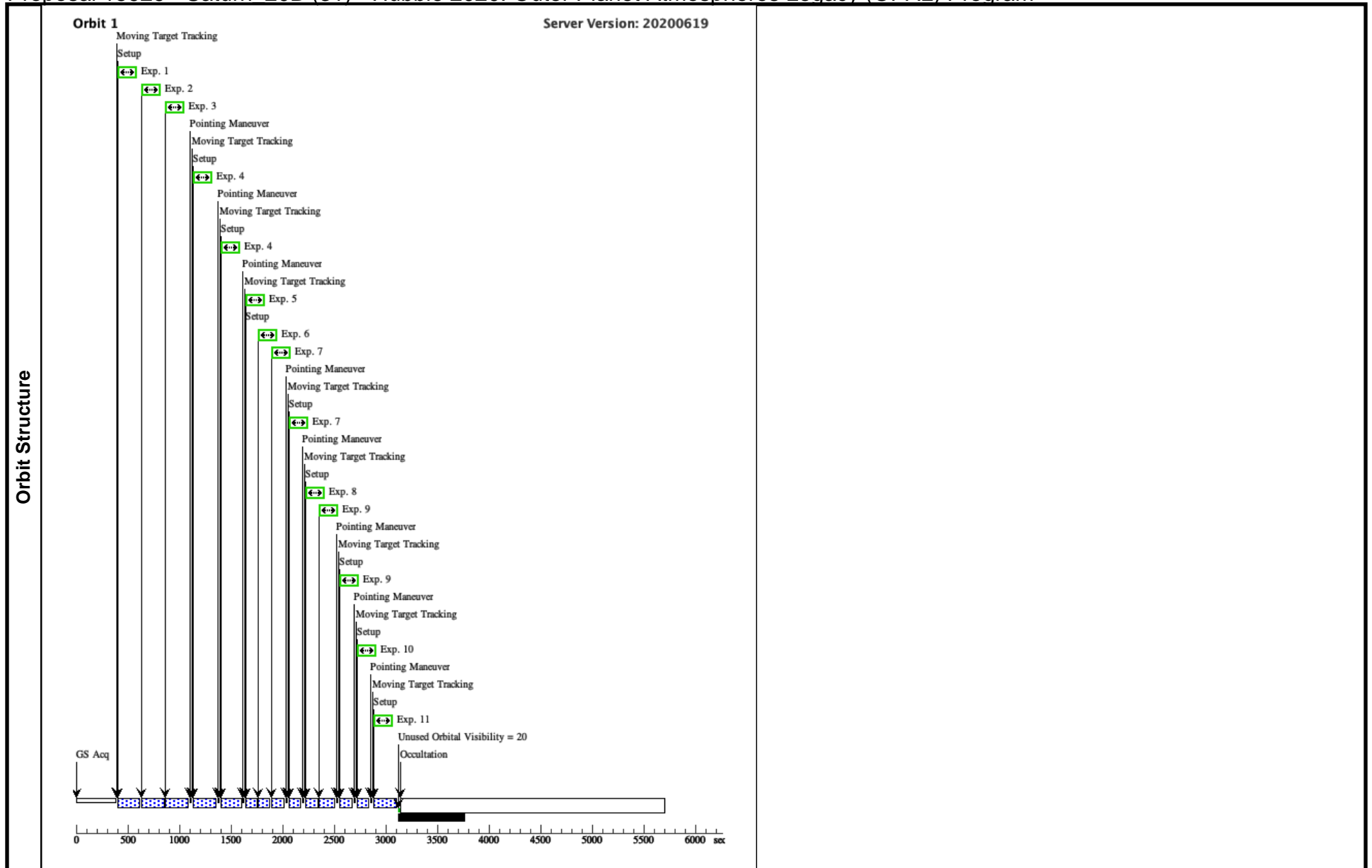
Proposal 15929 - Saturn 20B (31) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	Proposal 15929, Saturn_20B (31), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 30 BY 0.9 Orbits TO 1.1 Orbits						
	Diagnosics (F631N_2K (31.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (31.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (31.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (31.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (31.004)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F763M (31.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (31.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (31.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (31.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F225W (31.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (31.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (31.011)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (31.011)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant.						
Patterns	#	Primary Pattern		Secondary Pattern		Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(7), (9)	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(4)	
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN				NOT ECL P PARTIAL OF SATURN- EARTH MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"
<i>Comments: Description=Global Saturn maps</i>							

Proposal 15929 - Saturn 20B (31) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20B (31)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20B (31)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20B (31)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-11 Non-Int in Saturn_20B (31) Pattern 3, Exps 4-4 i n Sequence 1-11 No n-Int in Saturn_20B (31) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-11 Non-Int in Saturn_20B (31)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.100533 9)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-11 Non-Int in Saturn_20B (31)	7 Secs (7 Secs) [==>]	[1]
	7	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20B (31) Pattern 2, Exps 7-7 i n Sequence 1-11 No n-Int in Saturn_20B (31) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20B (31)	20 Secs (20 Secs) [==>]	[1]
	9	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20B (31) Pattern 2, Exps 9-9 i n Sequence 1-11 No n-Int in Saturn_20B (31) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20B (31)	15 Secs (15 Secs) [==>]	[1]
11	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-11 Non-Int in Saturn_20B (31)	30 Secs (30 Secs) [==>]	[1]	



Proposal 15929 - Gyro Bias Update (G6) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

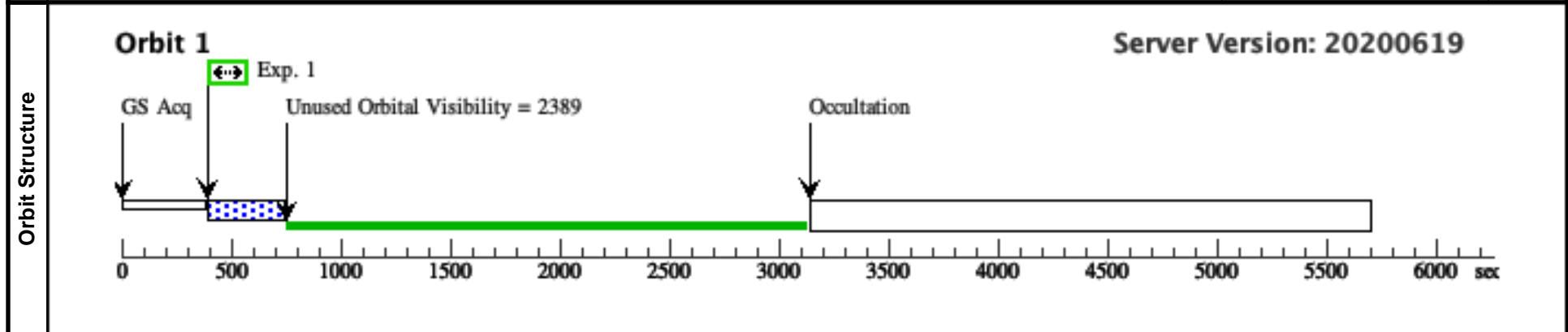
Tue Sep 15 14:01:28 GMT 2020

Visit	Proposal 15929, Gyro Bias Update (G6), completed						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: S/C						
	Special Requirements: NOTRACK; AFTER 31 BY 0.9 Orbits TO 1.1 Orbits						

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
		(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"

Comments: Description=Global Saturn maps

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1		(2) SATURN-MAPS	S/C, POINTING, V1					360.0 Secs (360 Secs)
									[==>]	[1]



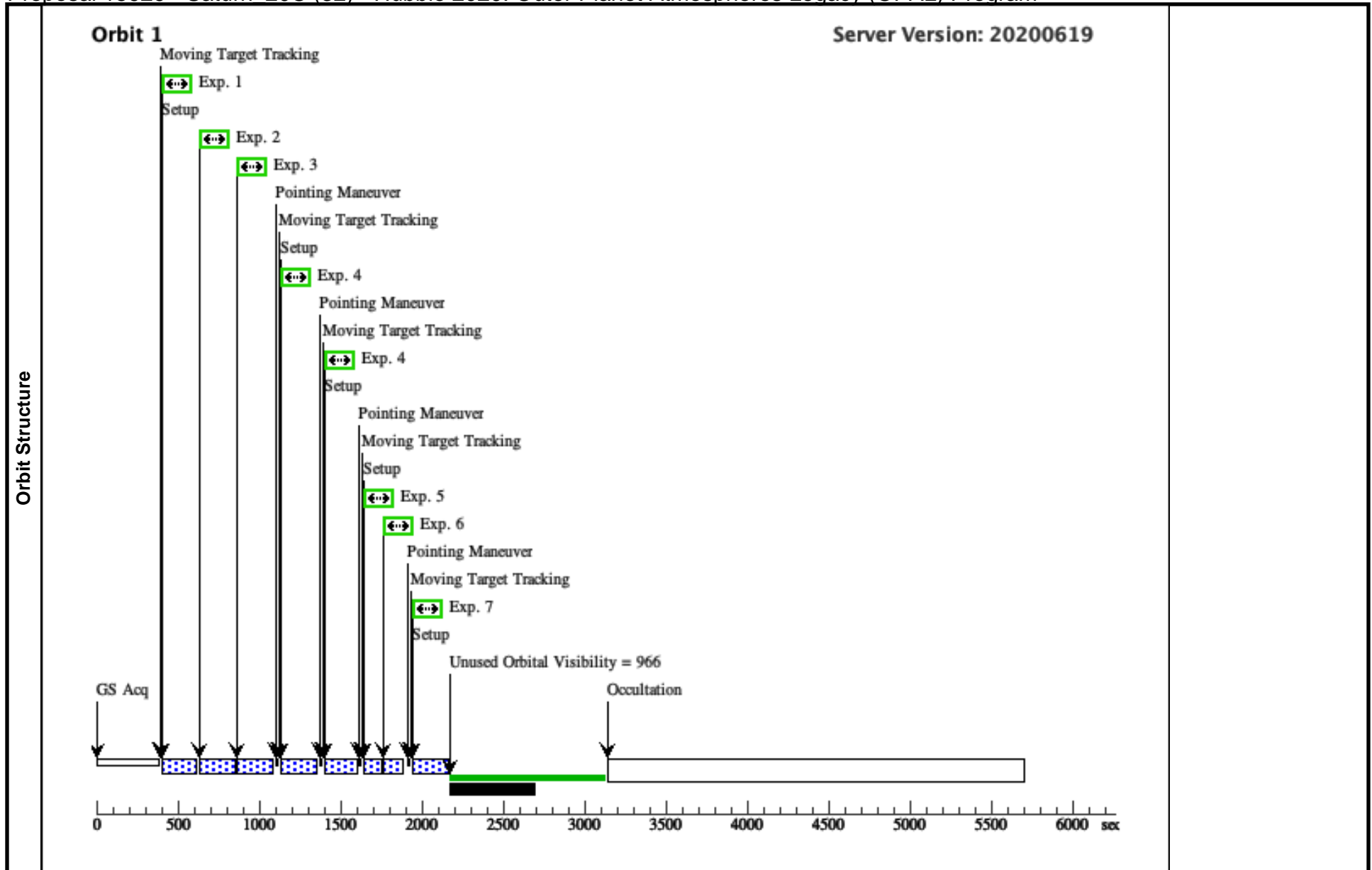
Proposal 15929 - Saturn 20C (32) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	Proposal 15929, Saturn_20C (32), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER G6 BY 0.0 Orbits TO 0.5 Orbits																
	Diagnosics (F631N_2K (32.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (32.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (32.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (32.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (32.004)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F763M (32.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (32.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (32.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (32.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant.																
Patterns	<table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td> Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing= </td> <td> Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td>(4)</td> </tr> </tbody> </table>	#	Primary Pattern	Secondary Pattern	Exposures	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(4)								
	#	Primary Pattern	Secondary Pattern	Exposures													
(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(4)														
<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>(2)</td> <td>SATURN-MAPS</td> <td>STD=SATURN</td> <td></td> <td></td> <td> NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10" </td> <td>EARTH</td> </tr> </tbody> </table> <p><i>Comments: Description=Global Saturn maps</i></p>				#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"	EARTH
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center											
(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"	EARTH											
Solar System Targets																	

Proposal 15929 - Saturn 20C (32) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO			Sequence 1-7 Non-Int in Saturn_20C (32)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO			Sequence 1-7 Non-Int in Saturn_20C (32)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO			Sequence 1-7 Non-Int in Saturn_20C (32)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18		Sequence 1-7 Non-Int in Saturn_20C (32) Pattern 3, Exps 4-4 i n Sequence 1-7 Non- Int in Saturn_20C (3 2) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A			Sequence 1-7 Non-Int in Saturn_20C (32)	2 Secs (2 Secs) [==>]	[1]
	6	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO			Sequence 1-7 Non-Int in Saturn_20C (32)	20 Secs (20 Secs) [==>]	[1]
	7	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14		Sequence 1-7 Non-Int in Saturn_20C (32)	30 Secs (30 Secs) [==>]	[1]



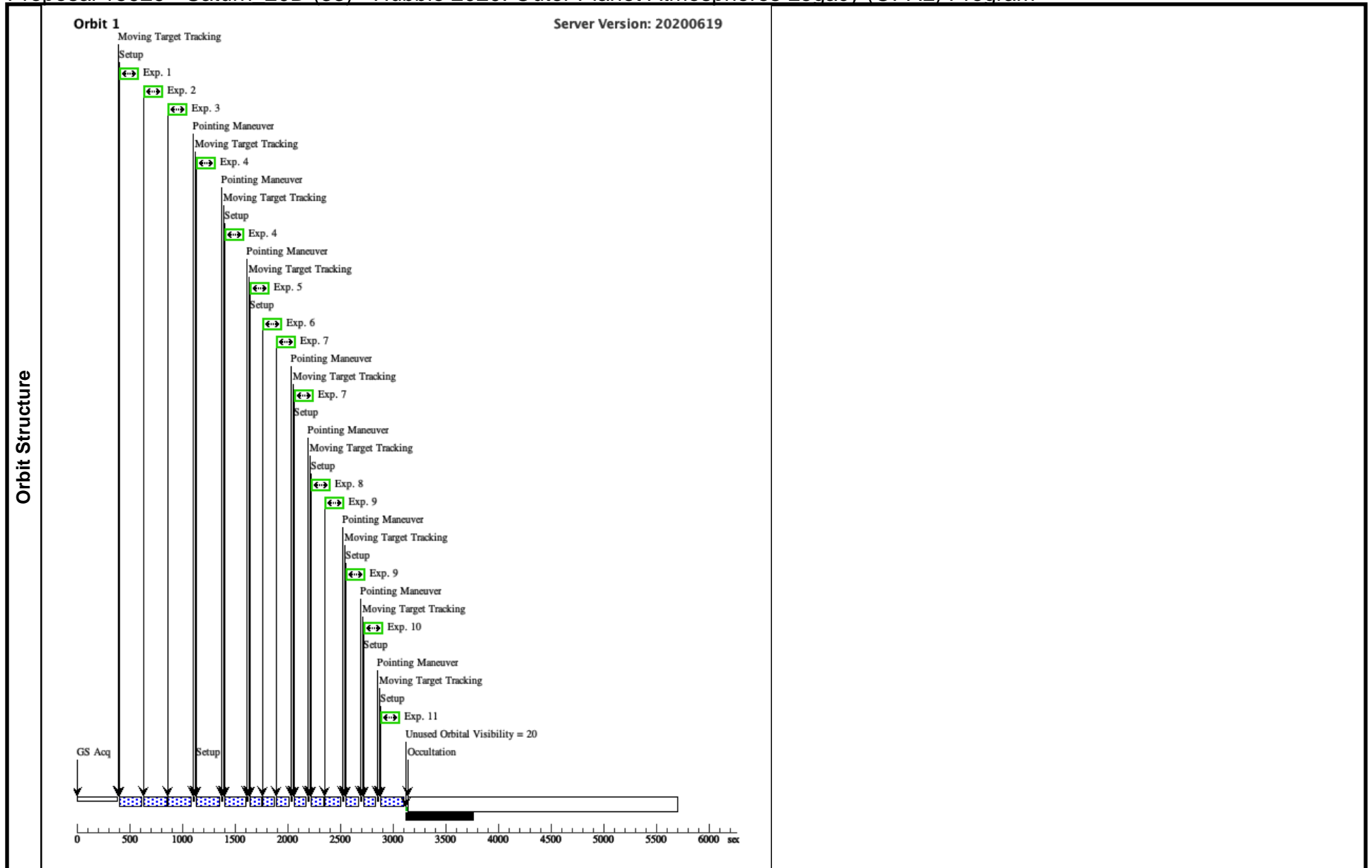
Proposal 15929 - Saturn 20D (33) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	Proposal 15929, Saturn_20D (33), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 32 BY 0.0 Orbits TO 1.1 Orbits <i>Comments: F467M cut for orbit visibility. Will be added back in if it fits</i>						
	Diagnosics (F631N_2K (33.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (33.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (33.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (33.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (33.004)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F763M (33.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (33.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (33.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (33.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F225W (33.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (33.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (33.011)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (33.011)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7), (9)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(4)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"	EARTH
<i>Comments: Description=Global Saturn maps</i>							

Proposal 15929 - Saturn 20D (33) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20D (33)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20D (33)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20D (33)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18		Sequence 1-11 Non-Int in Saturn_20D (33) Pattern 3, Exps 4-4 i n Sequence 1-11 No n-Int in Saturn_20D (33) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A			Sequence 1-11 Non-Int in Saturn_20D (33)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.100533 9)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO; BLADE=A			Sequence 1-11 Non-Int in Saturn_20D (33)	7 Secs (7 Secs) [==>]	[1]
	7	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20D (33) Pattern 2, Exps 7-7 i n Sequence 1-11 No n-Int in Saturn_20D (33) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20D (33)	20 Secs (20 Secs) [==>]	[1]
	9	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20D (33) Pattern 2, Exps 9-9 i n Sequence 1-11 No n-Int in Saturn_20D (33) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20D (33)	15 Secs (15 Secs) [==>]	[1]
11	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14		Sequence 1-11 Non-Int in Saturn_20D (33)	30 Secs (30 Secs) [==>]	[1]	



Proposal 15929 - Gyro Bias Update (G7) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

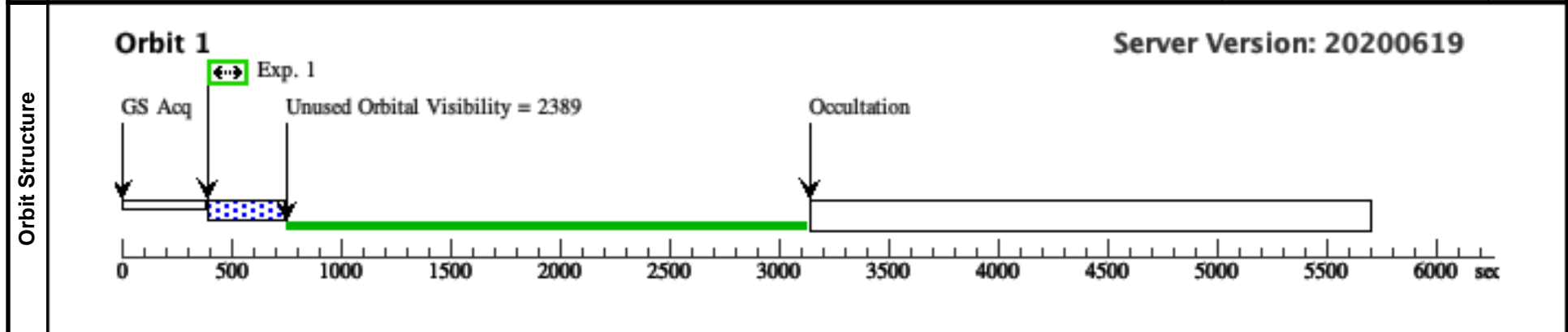
Tue Sep 15 14:01:28 GMT 2020

Visit	Proposal 15929, Gyro Bias Update (G7), completed						
	Diagnostic Status: No Diagnostics						
	Scientific Instruments: S/C						
	Special Requirements: NOTRACK; AFTER 33 BY 0.9 Orbits TO 1.1 Orbits						

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
		(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"

Comments: Description=Global Saturn maps

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1		(2) SATURN-MAPS	S/C, POINTING, V1					360.0 Secs (360 Secs)
									[==>]	[1]



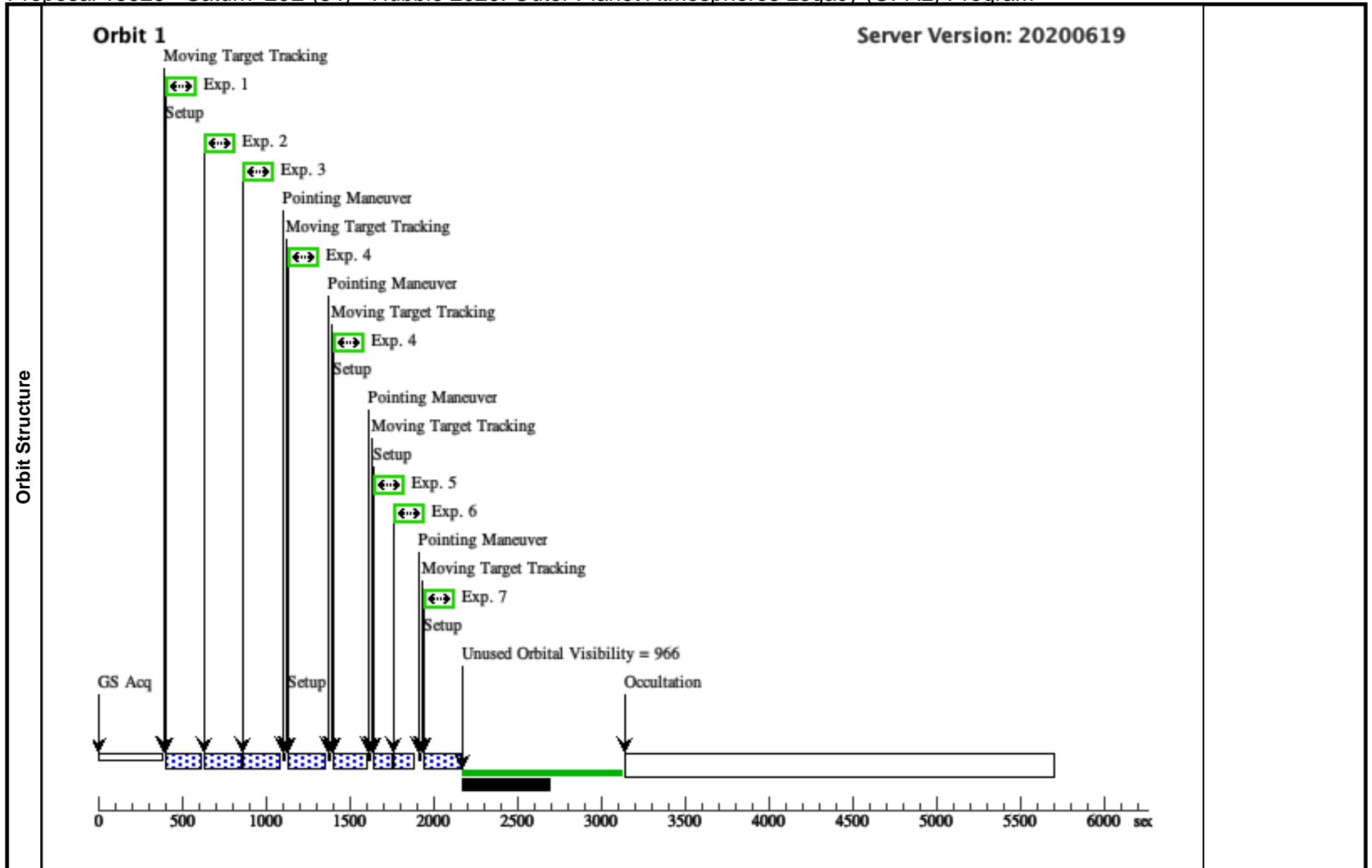
Proposal 15929 - Saturn 20E (34) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	Proposal 15929, Saturn_20E (34), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER G7 BY 0.0 Orbits TO 0.5 Orbits																			
	Diagnostics	(F631N_2K (34.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																		
(F502N_2K (34.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																				
(F395N_2K (34.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																				
(FQ727_quadD (34.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																				
(FQ727_quadD (34.004)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.																				
(F763M (34.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																				
(F343N (34.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																				
(FQ889_quadA (34.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																				
Patterns	<table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td> Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing= </td> <td> Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td>(4)</td> </tr> </tbody> </table>						#	Primary Pattern	Secondary Pattern	Exposures	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(4)						
	#	Primary Pattern	Secondary Pattern	Exposures																
(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(4)																	
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>(2)</td> <td>SATURN-MAPS</td> <td>STD=SATURN</td> <td></td> <td></td> <td> NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10" </td> <td>EARTH</td> </tr> </tbody> </table>						#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"	EARTH
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center													
(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"	EARTH														
Comments: Description=Global Saturn maps																				

Proposal 15929 - Saturn 20E (34) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO			Sequence 1-7 Non-Int in Saturn_20E (34)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO			Sequence 1-7 Non-Int in Saturn_20E (34)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO			Sequence 1-7 Non-Int in Saturn_20E (34)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18		Sequence 1-7 Non-Int in Saturn_20E (34) Pattern 3, Exps 4-4 i n Sequence 1-7 Non- Int in Saturn_20E (3 4) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A			Sequence 1-7 Non-Int in Saturn_20E (34)	2 Secs (2 Secs) [==>]	[1]
	6	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO			Sequence 1-7 Non-Int in Saturn_20E (34)	20 Secs (20 Secs) [==>]	[1]
	7	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14		Sequence 1-7 Non-Int in Saturn_20E (34)	30 Secs (30 Secs) [==>]	[1]



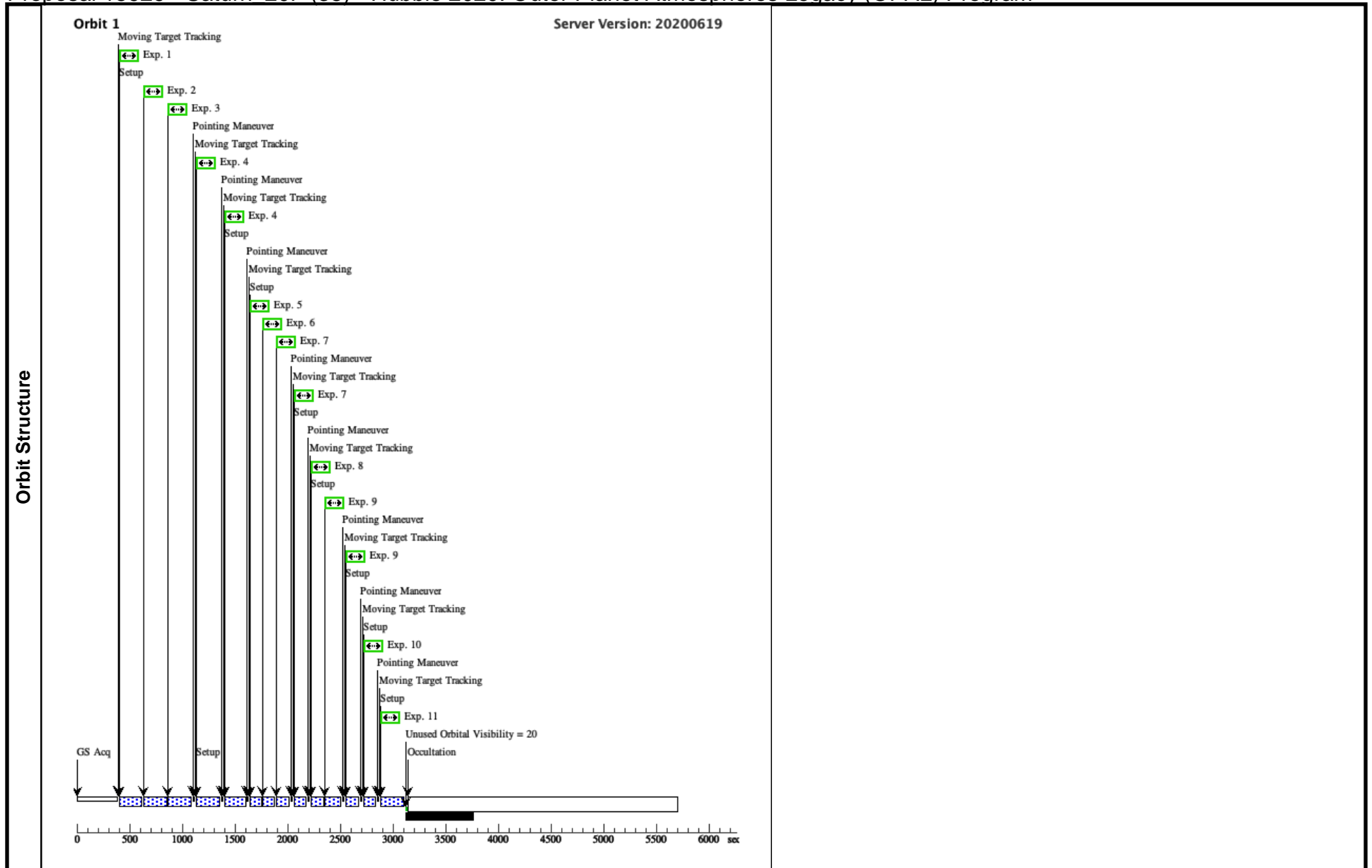
Proposal 15929 - Saturn 20F (35) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	Proposal 15929, Saturn_20F (35), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 34 BY 0.0 Orbits TO 1.1 Orbits						
	Diagnosics (F631N_2K (35.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (35.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (35.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (35.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (35.004)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F763M (35.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (35.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (35.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (35.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F225W (35.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (35.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (35.011)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (35.011)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant.						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7), (9)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(4)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"	EARTH
Comments: Description=Global Saturn maps							

Proposal 15929 - Saturn 20F (35) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20F (35)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20F (35)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20F (35)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-11 Non-Int in Saturn_20F (35) Pattern 3, Exps 4-4 in Sequence 1-11 Non-Int in Saturn_20F (35) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-11 Non-Int in Saturn_20F (35)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.100533 9)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-11 Non-Int in Saturn_20F (35)	7 Secs (7 Secs) [==>]	[1]
	7	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20F (35) Pattern 2, Exps 7-7 in Sequence 1-11 Non-Int in Saturn_20F (35) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20F (35)	20 Secs (20 Secs) [==>]	[1]
	9	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20F (35) Pattern 2, Exps 9-9 in Sequence 1-11 Non-Int in Saturn_20F (35) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20F (35)	15 Secs (15 Secs) [==>]	[1]
11	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-11 Non-Int in Saturn_20F (35)	30 Secs (30 Secs) [==>]	[1]	



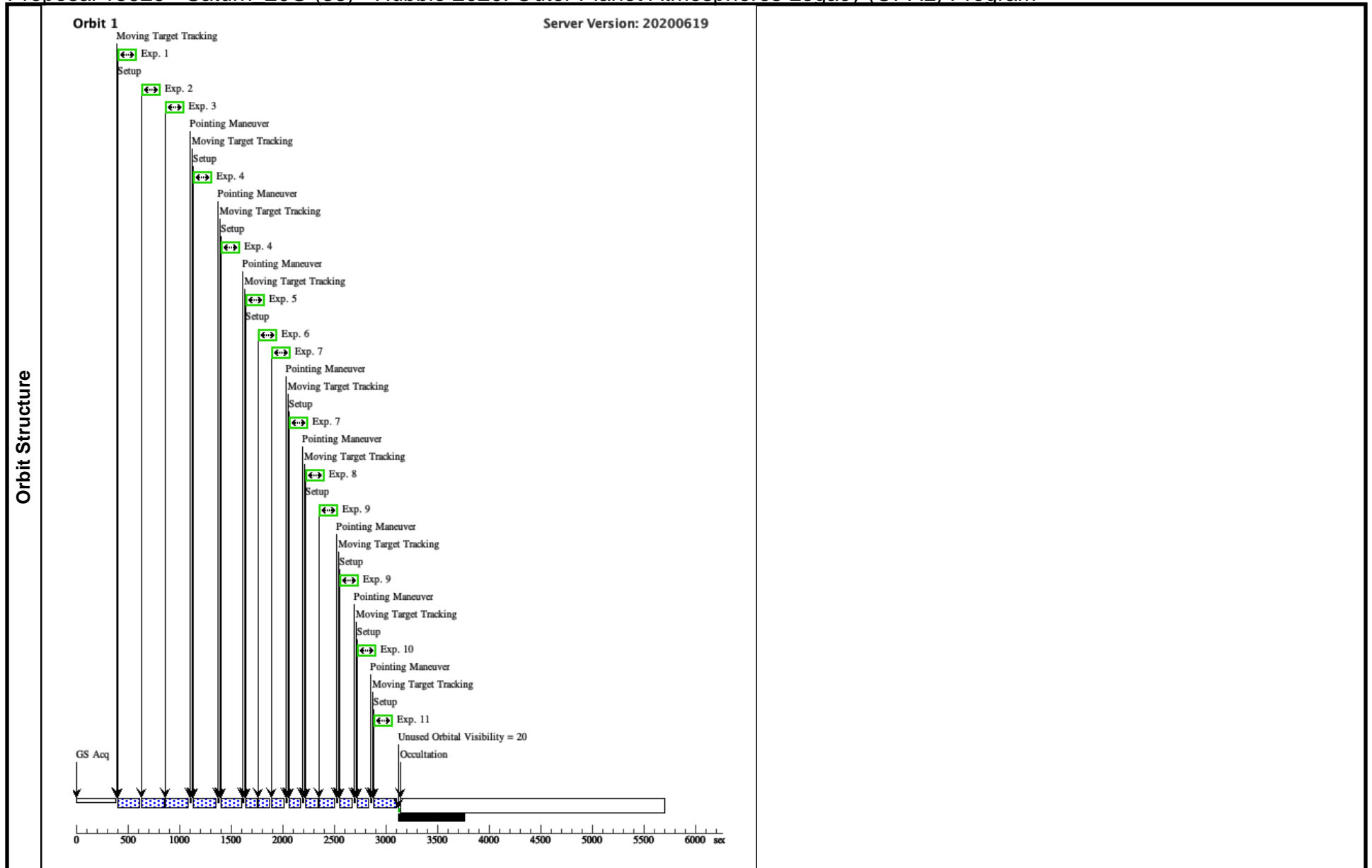
Proposal 15929 - Saturn 20G (36) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	Proposal 15929, Saturn_20G (36), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 35 BY 1.9 Orbits TO 2.1 Orbits						
	Diagnosics (F631N_2K (36.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (36.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (36.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (36.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (36.004)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F763M (36.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (36.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (36.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (36.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F225W (36.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (36.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (36.011)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (36.011)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant.						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(7), (9)			
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(4)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"	EARTH
Comments: Description=Global Saturn maps							

Proposal 15929 - Saturn 20G (36) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20G (36)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20G (36)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20G (36)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-11 Non-Int in Saturn_20G (36) Pattern 3, Exps 4-4 in Sequence 1-11 Non-Int in Saturn_20G (36) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-11 Non-Int in Saturn_20G (36)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.100533 9)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-11 Non-Int in Saturn_20G (36)	7 Secs (7 Secs) [==>]	[1]
	7	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20G (36) Pattern 2, Exps 7-7 in Sequence 1-11 Non-Int in Saturn_20G (36) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20G (36)	20 Secs (20 Secs) [==>]	[1]
	9	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20G (36) Pattern 2, Exps 9-9 in Sequence 1-11 Non-Int in Saturn_20G (36) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20G (36)	15 Secs (15 Secs) [==>]	[1]
11	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-11 Non-Int in Saturn_20G (36)	30 Secs (30 Secs) [==>]	[1]	



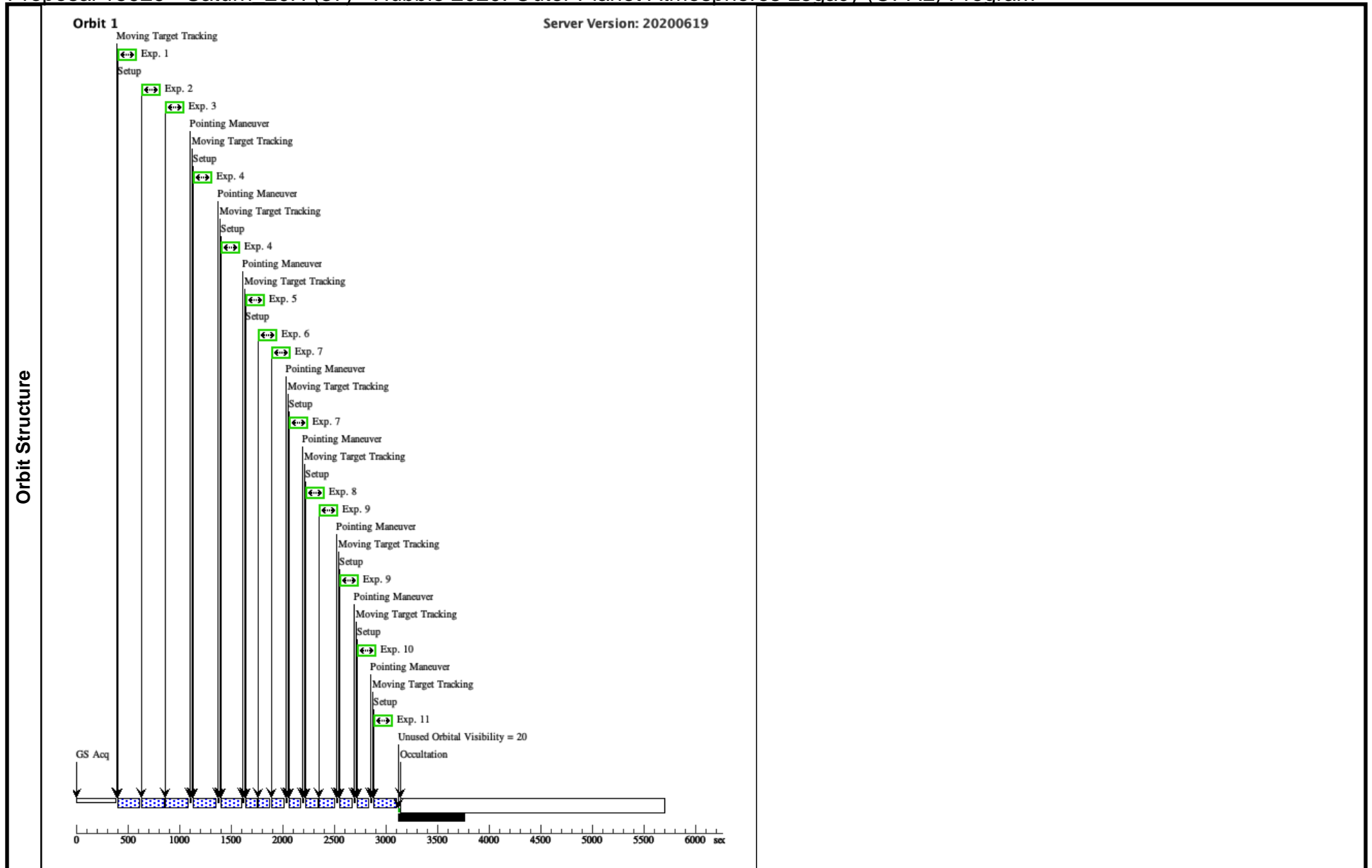
Proposal 15929 - Saturn 20H (37) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	Proposal 15929, Saturn_20H (37), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 36 BY 0.9 Orbits TO 1.1 Orbits							
	Diagnostics	(F631N_2K (37.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (37.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (37.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (37.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (37.004)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F763M (37.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (37.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (37.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (37.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F225W (37.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (37.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (37.011)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (37.011)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant.						
Patterns		#		Primary Pattern	Secondary Pattern	Exposures		
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(7), (9)		
(3)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(4)			
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
		(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"	EARTH
<i>Comments: Description=Global Saturn maps</i>								

Proposal 15929 - Saturn 20H (37) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20H (37)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20H (37)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.1005337)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20H (37)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua d (WFC3UVI S.im.1005393)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-11 Non-Int in Saturn_20H (37) Pattern 3, Exps 4-4 in Sequence 1-11 Non-Int in Saturn_20H (37) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.1005344)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-11 Non-Int in Saturn_20H (37)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.1005339)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-11 Non-Int in Saturn_20H (37)	7 Secs (7 Secs) [==>]	[1]
	7	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20H (37) Pattern 2, Exps 7-7 in Sequence 1-11 Non-Int in Saturn_20H (37) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F343N (WFC3UVI S.im.1005334)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20H (37)	20 Secs (20 Secs) [==>]	[1]
	9	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20H (37) Pattern 2, Exps 9-9 in Sequence 1-11 Non-Int in Saturn_20H (37) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20H (37)	15 Secs (15 Secs) [==>]	[1]
11	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14; SAA CONTOUR 02	Sequence 1-11 Non-Int in Saturn_20H (37)	30 Secs (30 Secs) [==>]	[1]	



Proposal 15929 - Gyro Bias Update (G8) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

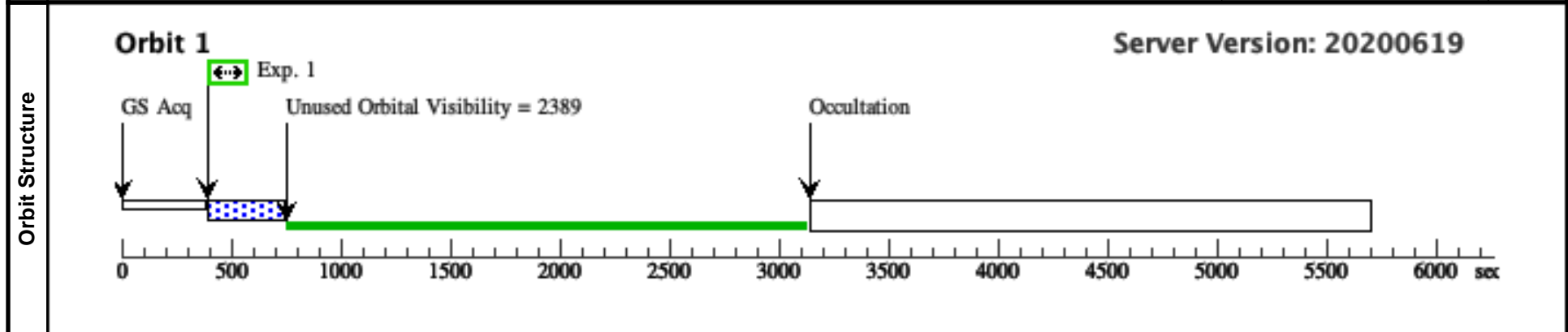
Tue Sep 15 14:01:28 GMT 2020

Visit	Proposal 15929, Gyro Bias Update (G8), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: S/C					
	Special Requirements: NOTRACK; AFTER 37 BY 0.9 Orbits TO 1.1 Orbits					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN				NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"

Comments: Description=Global Saturn maps

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) SATURN-MAPS	S/C, POINTING, V1						360.0 Secs (360 Secs)
									[==>]	[1]



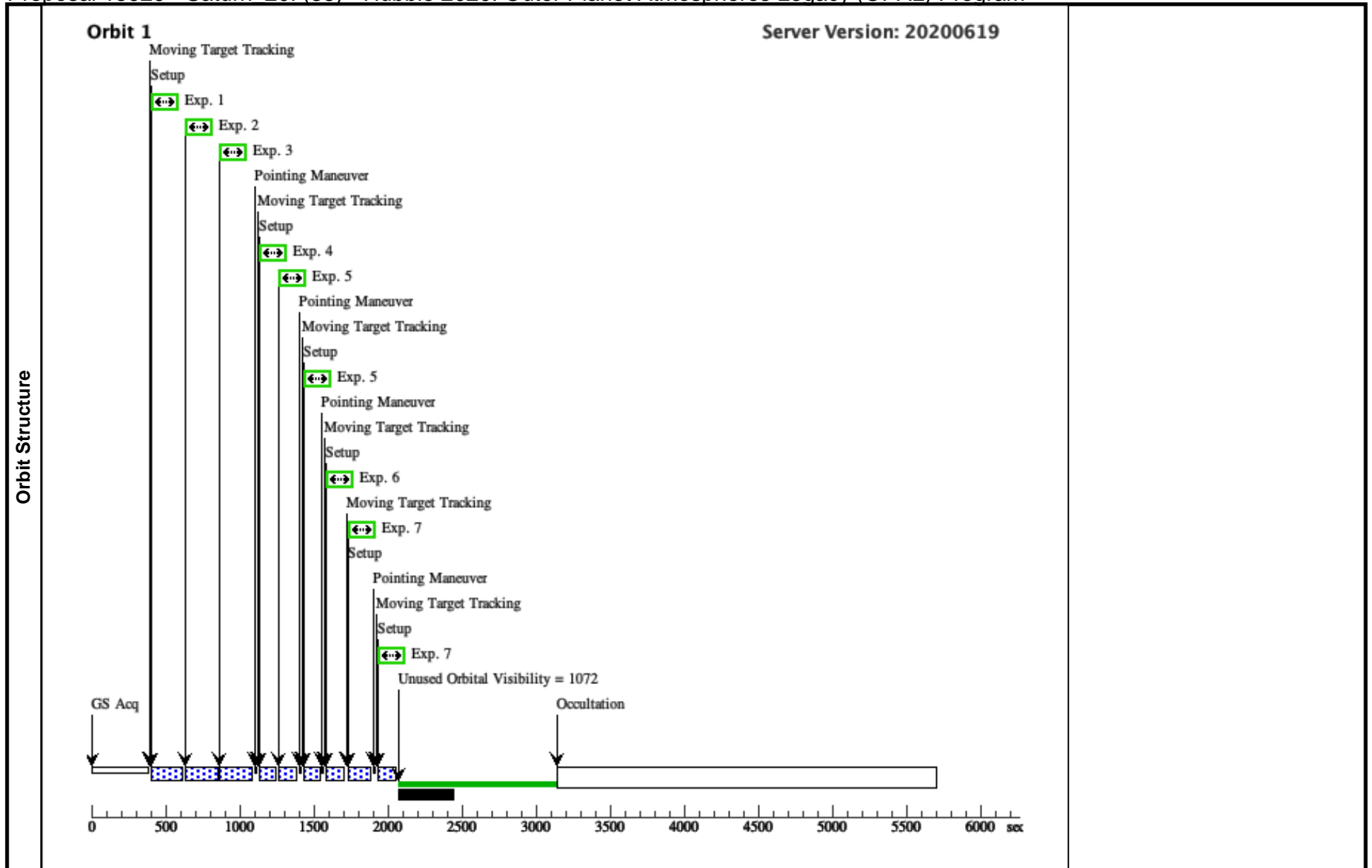
Proposal 15929 - Saturn 20I (38) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:28 GMT 2020

Visit	Proposal 15929, Saturn_20I (38), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER G8 BY 0.0 Orbits TO 0.5 Orbits					
	(F631N_2K (38.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (38.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (38.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (38.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (38.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (38.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F225W (38.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser					
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			(5), (7)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- EARTH MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"
Comments: Description=Global Saturn maps						

Proposal 15929 - Saturn 20I (38) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO			Sequence 1-7 Non-Int in Saturn_20I (38)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO			Sequence 1-7 Non-Int in Saturn_20I (38)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO			Sequence 1-7 Non-Int in Saturn_20I (38)	40 Secs (40 Secs) [==>]	[1]
	4	F467M (WFC3UVI S.im.100533 9)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO; BLADE=A			Sequence 1-7 Non-Int in Saturn_20I (38)	7 Secs (7 Secs) [==>]	[1]
	5	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO			Sequence 1-7 Non-Int in Saturn_20I (38) Pattern 2, Exps 5-5 i n Sequence 1-7 Non- Int in Saturn_20I (38) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO			Sequence 1-7 Non-Int in Saturn_20I (38)	20 Secs (20 Secs) [==>]	[1]
	7	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO	SAA CONTOUR 02		Sequence 1-7 Non-Int in Saturn_20I (38) Pattern 2, Exps 7-7 i n Sequence 1-7 Non- Int in Saturn_20I (38) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



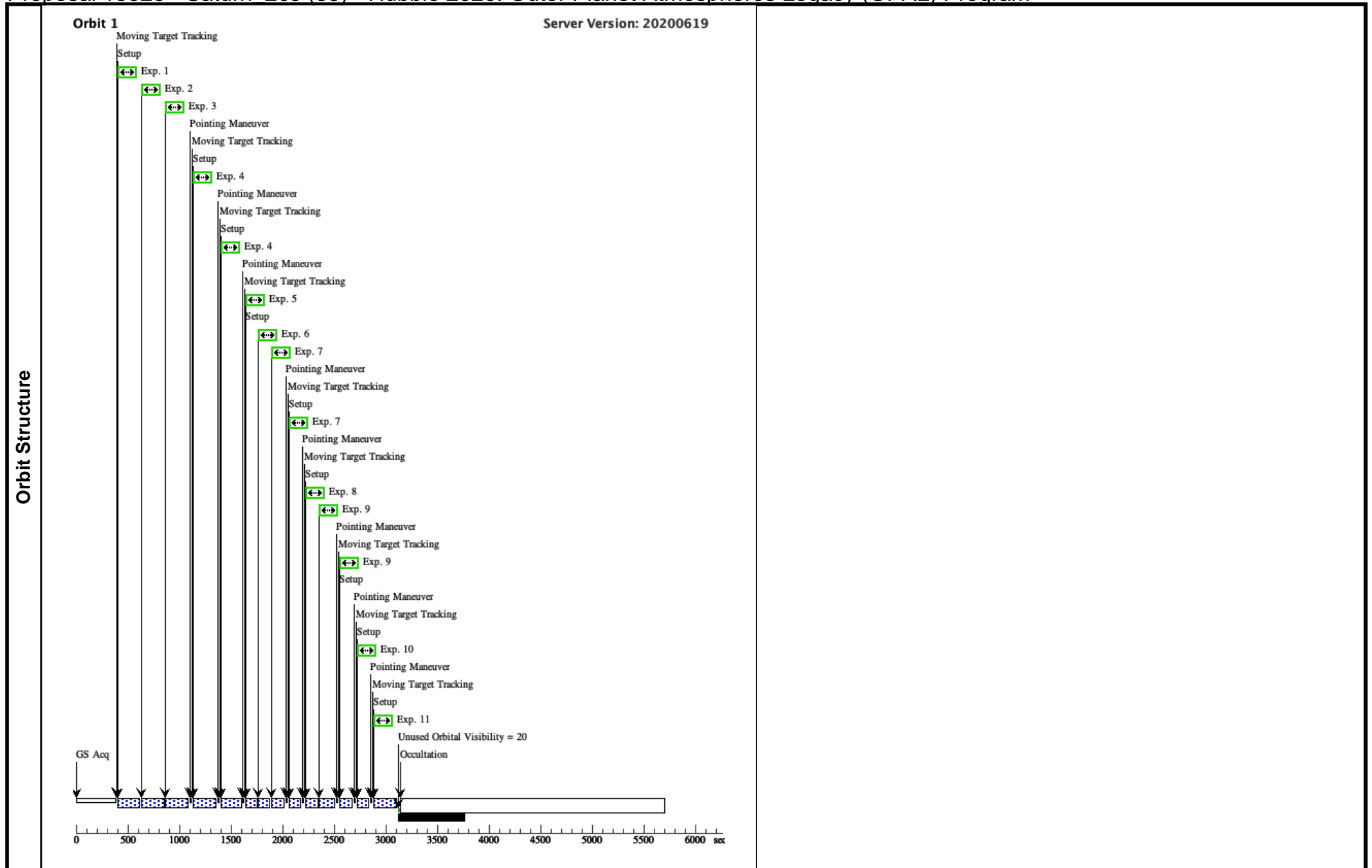
Proposal 15929 - Saturn 20J (39) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:29 GMT 2020

Visit	Proposal 15929, Saturn_20J (39), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 38 BY 0.0 Orbits TO 1.1 Orbits							
	Diagnostics	(F631N_2K (39.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (39.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (39.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (39.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727_quadD (39.004)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F763M (39.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (39.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (39.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (39.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F225W (39.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (39.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (39.011)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (39.011)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant.						
Patterns		#		Primary Pattern	Secondary Pattern	Exposures		
		(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(7), (9)		
(3)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(4)			
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
		(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"	EARTH
<i>Comments: Description=Global Saturn maps</i>								

Proposal 15929 - Saturn 20J (39) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20J (39)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20J (39)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20J (39)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua dD (WFC3UVI S.im.100539 3)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18		Sequence 1-11 Non-Int in Saturn_20J (39) Pattern 3, Exps 4-4 in Sequence 1-11 Non-Int in Saturn_20J (39) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.100534 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A			Sequence 1-11 Non-Int in Saturn_20J (39)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.100533 9)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO; BLADE=A			Sequence 1-11 Non-Int in Saturn_20J (39)	7 Secs (7 Secs) [==>]	[1]
	7	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20J (39) Pattern 2, Exps 7-7 in Sequence 1-11 Non-Int in Saturn_20J (39) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20J (39)	20 Secs (20 Secs) [==>]	[1]
	9	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20J (39) Pattern 2, Exps 9-9 in Sequence 1-11 Non-Int in Saturn_20J (39) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO			Sequence 1-11 Non-Int in Saturn_20J (39)	15 Secs (15 Secs) [==>]	[1]
11	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14; SAA CONTOUR 02		Sequence 1-11 Non-Int in Saturn_20J (39)	30 Secs (30 Secs) [==>]	[1]	



Proposal 15929 - Gyro Bias Update (G9) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

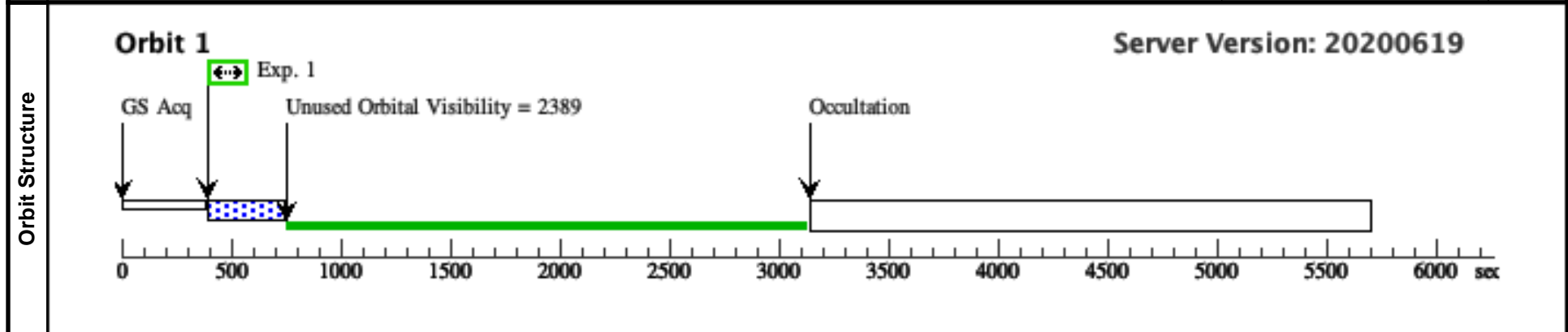
Tue Sep 15 14:01:29 GMT 2020

Visit	Proposal 15929, Gyro Bias Update (G9), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: S/C					
	Special Requirements: NOTRACK; AFTER 39 BY 0.9 Orbits TO 1.1 Orbits					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
		(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN-MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"

Comments: Description=Global Saturn maps

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1		(2) SATURN-MAPS	S/C, POINTING, V1					360.0 Secs (360 Secs)
									[==>]	[1]



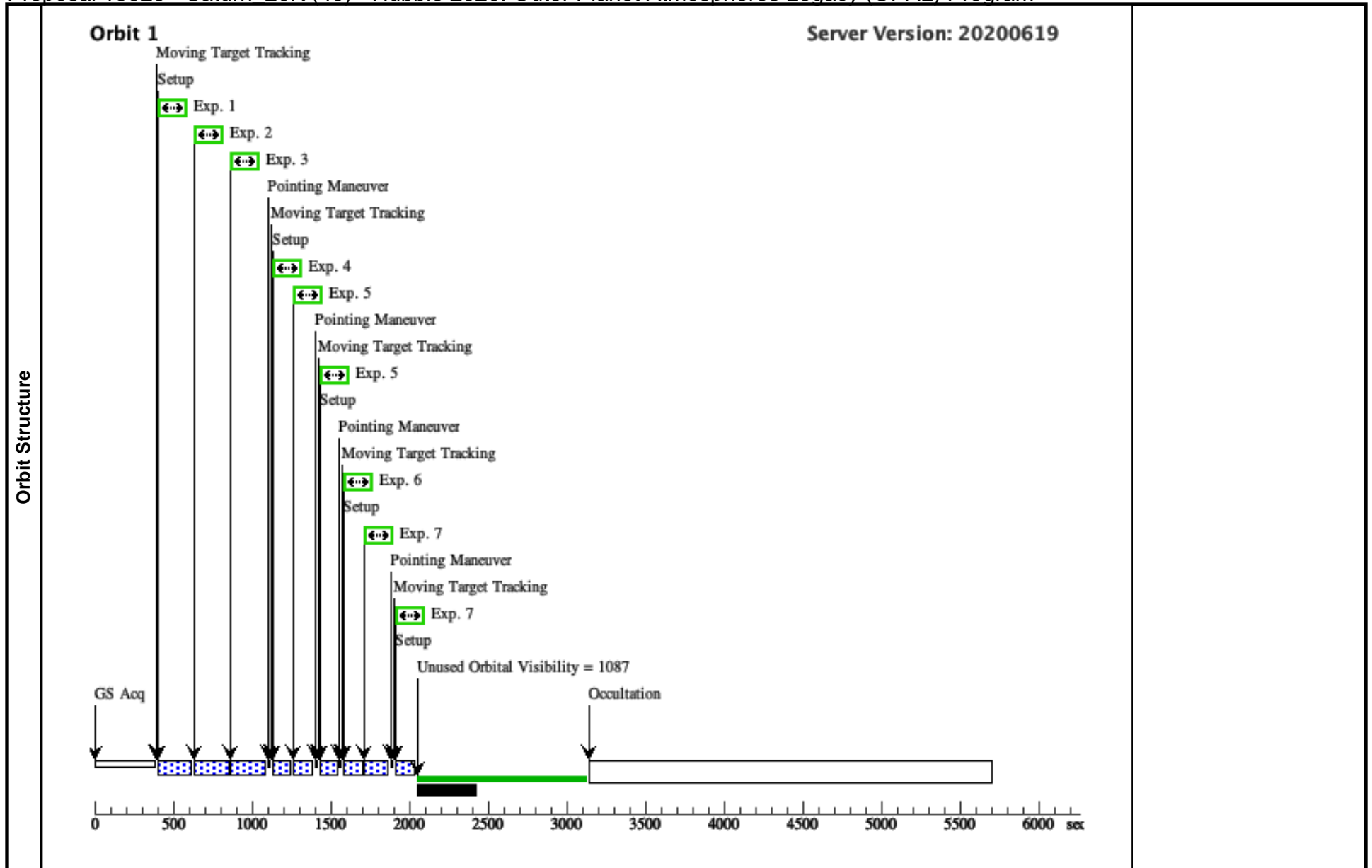
Proposal 15929 - Saturn 20K (40) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:29 GMT 2020

Visit	Proposal 15929, Saturn_20K (40), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER G9 BY 0.0 Orbits TO 0.5 Orbits					
	(F631N_2K (40.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N_2K (40.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N_2K (40.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (40.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (40.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (40.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F225W (40.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser					
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			(5), (7)
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- EARTH MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"
Comments: Description=Global Saturn maps						

Proposal 15929 - Saturn 20K (40) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Saturn_20K (40)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Saturn_20K (40)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.100533 7)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Saturn_20K (40)	40 Secs (40 Secs) [==>]	[1]
	4	F467M (WFC3UVI S.im.100533 9)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Saturn_20K (40)	7 Secs (7 Secs) [==>]	[1]
	5	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO		Sequence 1-7 Non-Int in Saturn_20K (40) Pattern 2, Exps 5-5 i n Sequence 1-7 Non- Int in Saturn_20K (4 0) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F343N (WFC3UVI S.im.100533 4)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Saturn_20K (40)	20 Secs (20 Secs) [==>]	[1]
	7	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO		Sequence 1-7 Non-Int in Saturn_20K (40) Pattern 2, Exps 7-7 i n Sequence 1-7 Non- Int in Saturn_20K (4 0) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



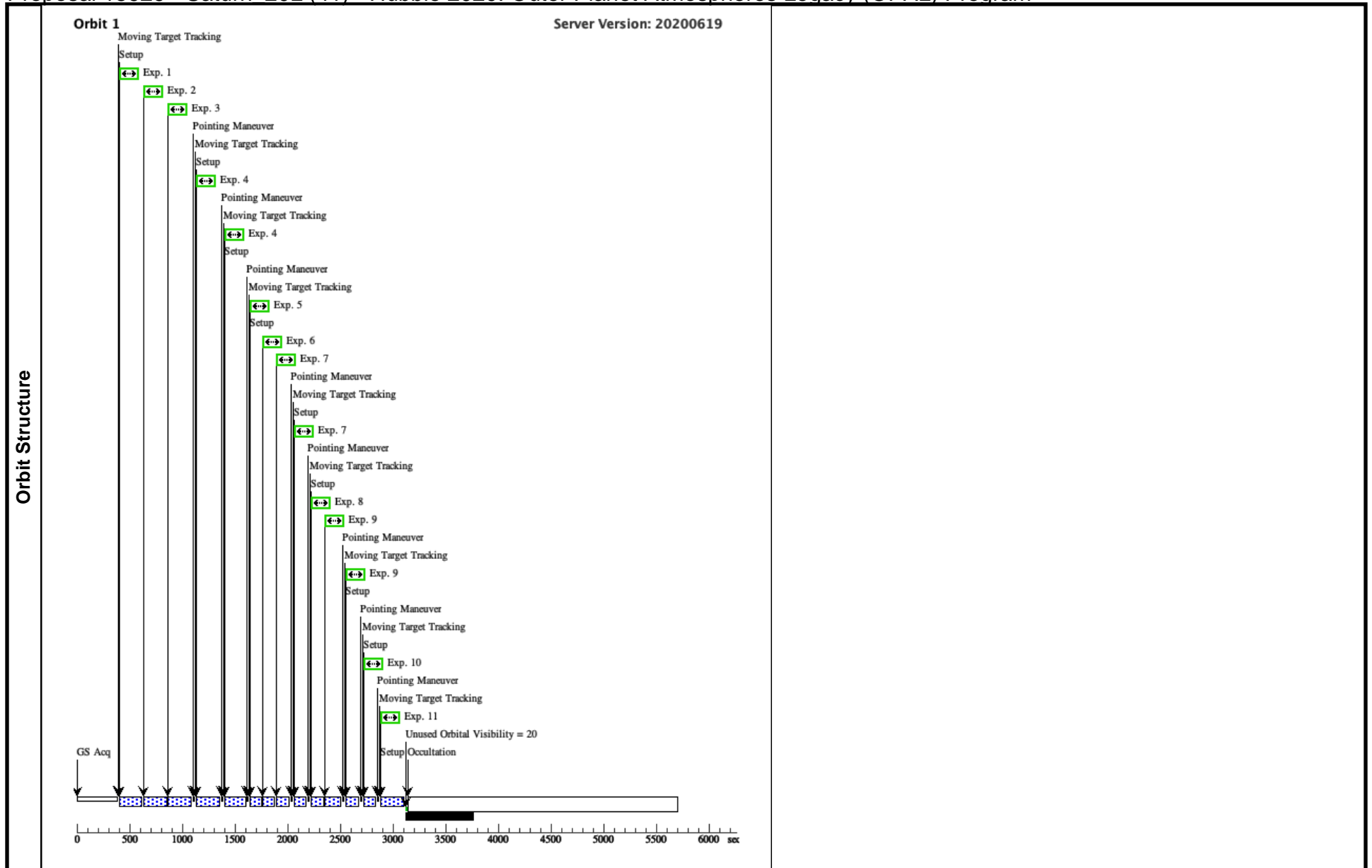
Proposal 15929 - Saturn 20L (41) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:29 GMT 2020

Visit	<p>Proposal 15929, Saturn_20L (41), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: AFTER 40 BY 0.0 Orbits TO 1.1 Orbits</p>						
Diagnostics	<p>(F631N_2K (41.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F502N_2K (41.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F395N_2K (41.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727_quadD (41.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727_quadD (41.004)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant.</p> <p>(F763M (41.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F467M (41.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W (41.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F343N (41.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F225W (41.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F631N (41.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (41.011)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889_quadA (41.011)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant.</p>						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(7), (9)			
Solar System Targets	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.725 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(4)			
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	SATURN-MAPS	STD=SATURN			NOT ECL P PARTIAL OF SATURN- MAPS BY TITAN FROM EARTH, SEP OF SATURN-MAPS RHEA FROM EARTH GT 10", SEP OF SATURN-MAPS TITAN FROM EARTH GT 10"	EARTH
	Comments: Description=Global Saturn maps						

Proposal 15929 - Saturn 20L (41) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

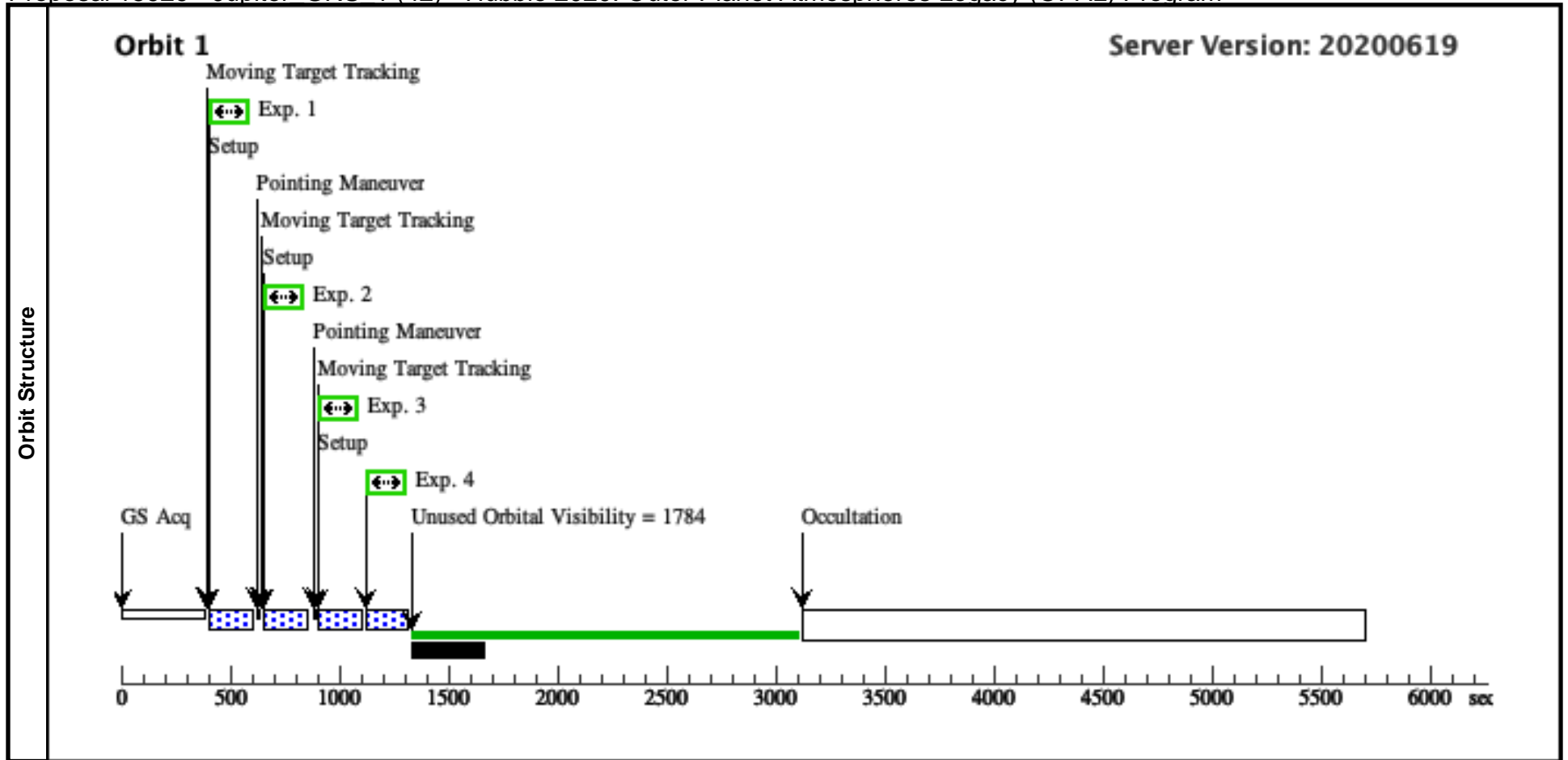
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N_2K (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20L (41)	15 Secs (15 Secs) [==>]	[1]
	2	F502N_2K (WFC3UVI S.im.712369)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F502N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20L (41)	23 Secs (23 Secs) [==>]	[1]
	3	F395N_2K (WFC3UVI S.im.1005337)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F395N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20L (41)	40 Secs (40 Secs) [==>]	[1]
	4	FQ727_qua d (WFC3UVI S.im.1005393)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -16,+18	Sequence 1-11 Non-Int in Saturn_20L (41) Pattern 3, Exps 4-4 in Sequence 1-11 Non-Int in Saturn_20L (41) (3)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F763M (WFC3UVI S.im.1005344)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F763M	CR-SPLIT=NO; BLADE=A		Sequence 1-11 Non-Int in Saturn_20L (41)	2 Secs (2 Secs) [==>]	[1]
	6	F467M (WFC3UVI S.im.1005339)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-11 Non-Int in Saturn_20L (41)	7 Secs (7 Secs) [==>]	[1]
	7	F275W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20L (41) Pattern 2, Exps 7-7 in Sequence 1-11 Non-Int in Saturn_20L (41) (2)	30 Secs (60 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	F343N (WFC3UVI S.im.1005334)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F343N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20L (41)	20 Secs (20 Secs) [==>]	[1]
	9	F225W	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F225W	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20L (41) Pattern 2, Exps 9-9 in Sequence 1-11 Non-Int in Saturn_20L (41) (2)	45 Secs (90 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F631N (WFC3UVI S.im.712372)	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	CR-SPLIT=NO		Sequence 1-11 Non-Int in Saturn_20L (41)	15 Secs (15 Secs) [==>]	[1]
11	FQ889_qua dA	(2) SATURN-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +11,-14	Sequence 1-11 Non-Int in Saturn_20L (41)	30 Secs (30 Secs) [==>]	[1]	



Proposal 15929 - Jupiter_GRS_1 (42) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:29 GMT 2020

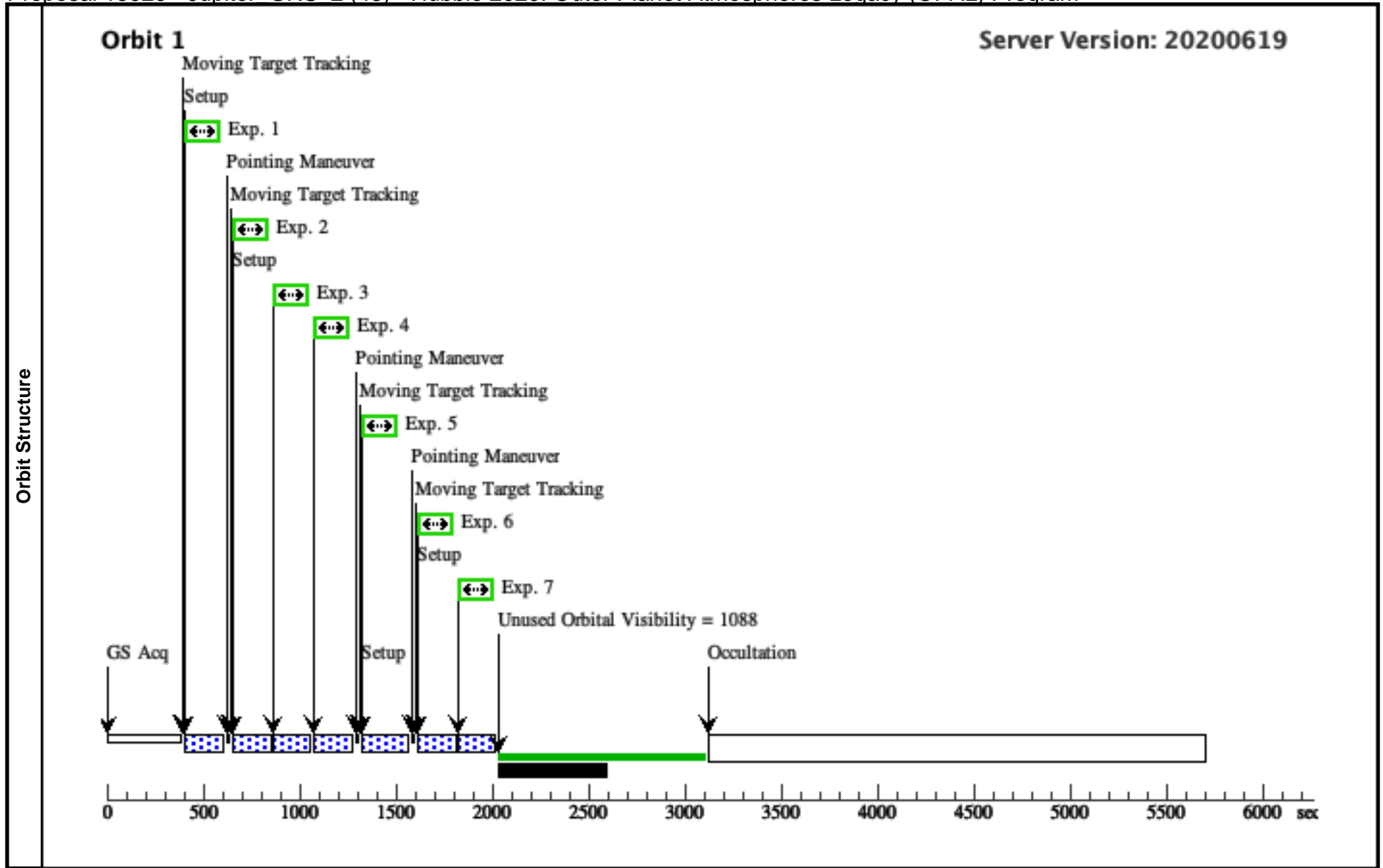
Visit	Proposal 15929, Jupiter_GRS_1 (42), scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 52 M <i>Comments: Main OPAL Jupiter set in 2020 had guide star failures that interfered with the Great Red Spot time series. This is part of a 4-orbit repeat approved to recover GRS velocity field data.</i>									
	Diagnostics	(F631N (42.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (42.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (42.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (42.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser								
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH			
	<i>Comments: Description=Global Jupiter maps</i>									
(5)	JUPITER-GRS	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, CML OF JUPITER FROM EARTH BETWEEN 37 53	EARTH			
<i>Comments: Description=Jupiter Great Red Spot imaging</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(5) JUPITER-GRS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-4 Non-Int in Jupiter_GRS_1 (42)	4 Secs (4 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-4 Non-Int in Jupiter_GRS_1 (42)	3 Secs (3 Secs) [==>]	[1]
	3	F343N	(5) JUPITER-GRS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F343N	CR-SPLIT=NO		Sequence 1-4 Non-Int in Jupiter_GRS_1 (42)	6 Secs (6 Secs) [==>]	[1]
	4	F631N	(5) JUPITER-GRS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO		Sequence 1-4 Non-Int in Jupiter_GRS_1 (42)	4 Secs (4 Secs) [==>]	[1]



Proposal 15929 - Jupiter_GRS_2 (43) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:29 GMT 2020

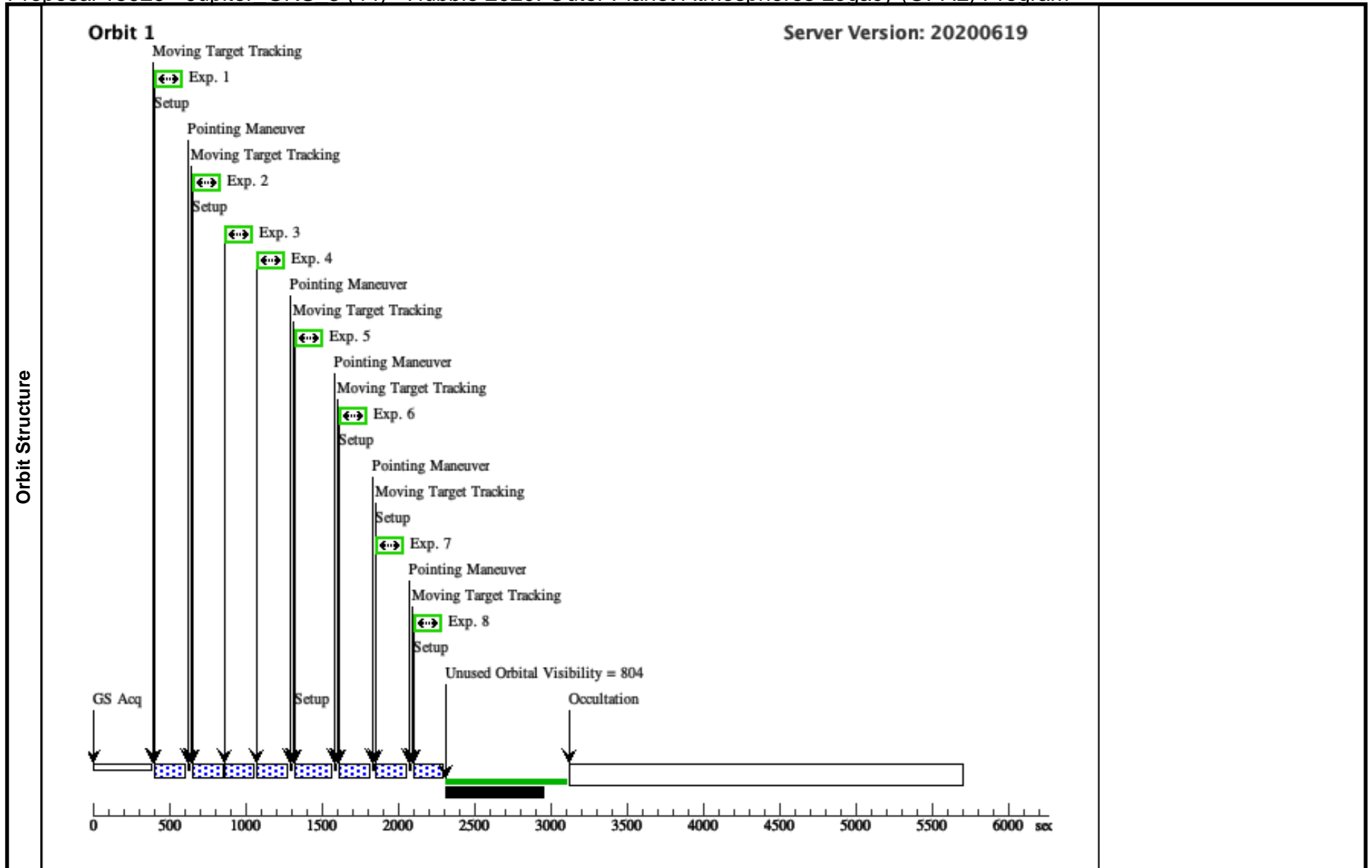
Visit	Proposal 15929, Jupiter_GRS_2 (43), scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 42 BY 0.5 Orbits TO 1.5 Orbits; VISIBILITY INTERVAL 52 M									
	Diagnosics (F631N (43.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (43.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (43.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (43.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (43.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (43.005)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F343N (43.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (43.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH			
<i>Comments: Description=Global Jupiter maps</i>										
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, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_GRS_2 (43)	4 Secs (4 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_GRS_2 (43)	3 Secs (3 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_GRS_2 (43)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_GRS_2 (43)	1.2 Secs (1.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-7 Non-Int in Jupiter_GRS_2 (43)	53 Secs (53 Secs) [==>]	[1]
	6	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F343N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_GRS_2 (43)	6 Secs (6 Secs) [==>]	[1]
	7	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_GRS_2 (43)	4 Secs (4 Secs) [==>]	[1]



Proposal 15929 - Jupiter_GRS_3 (44) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:29 GMT 2020

Visit	Proposal 15929, Jupiter_GRS_3 (44), scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 42 BY 5.5 Orbits TO 6.5 Orbits; VISIBILITY INTERVAL 52 M										
	Diagnostics	(F631N (44.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (44.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (44.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (44.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (44.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (44.005)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F343N (44.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (44.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (44.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	JUPITER-MAPS	STD=JUPITER				NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH			
<i>Comments: Description=Global Jupiter maps</i>											
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, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Jupiter_GRS_3 (44)	4 Secs (4 Secs) [==>]	[1]	
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Jupiter_GRS_3 (44)	3 Secs (3 Secs) [==>]	[1]	
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Jupiter_GRS_3 (44)	10 Secs (10 Secs) [==>]	[1]	
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Jupiter_GRS_3 (44)	1.2 Secs (1.2 Secs) [==>]	[1]	
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-8 Non-Int in Jupiter_GRS_3 (44)	53 Secs (53 Secs) [==>]	[1]	
	6	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F343N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Jupiter_GRS_3 (44)	6 Secs (6 Secs) [==>]	[1]	
	7	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Jupiter_GRS_3 (44)	8 Secs (8 Secs) [==>]	[1]	
	8	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Jupiter_GRS_3 (44)	4 Secs (4 Secs) [==>]	[1]	



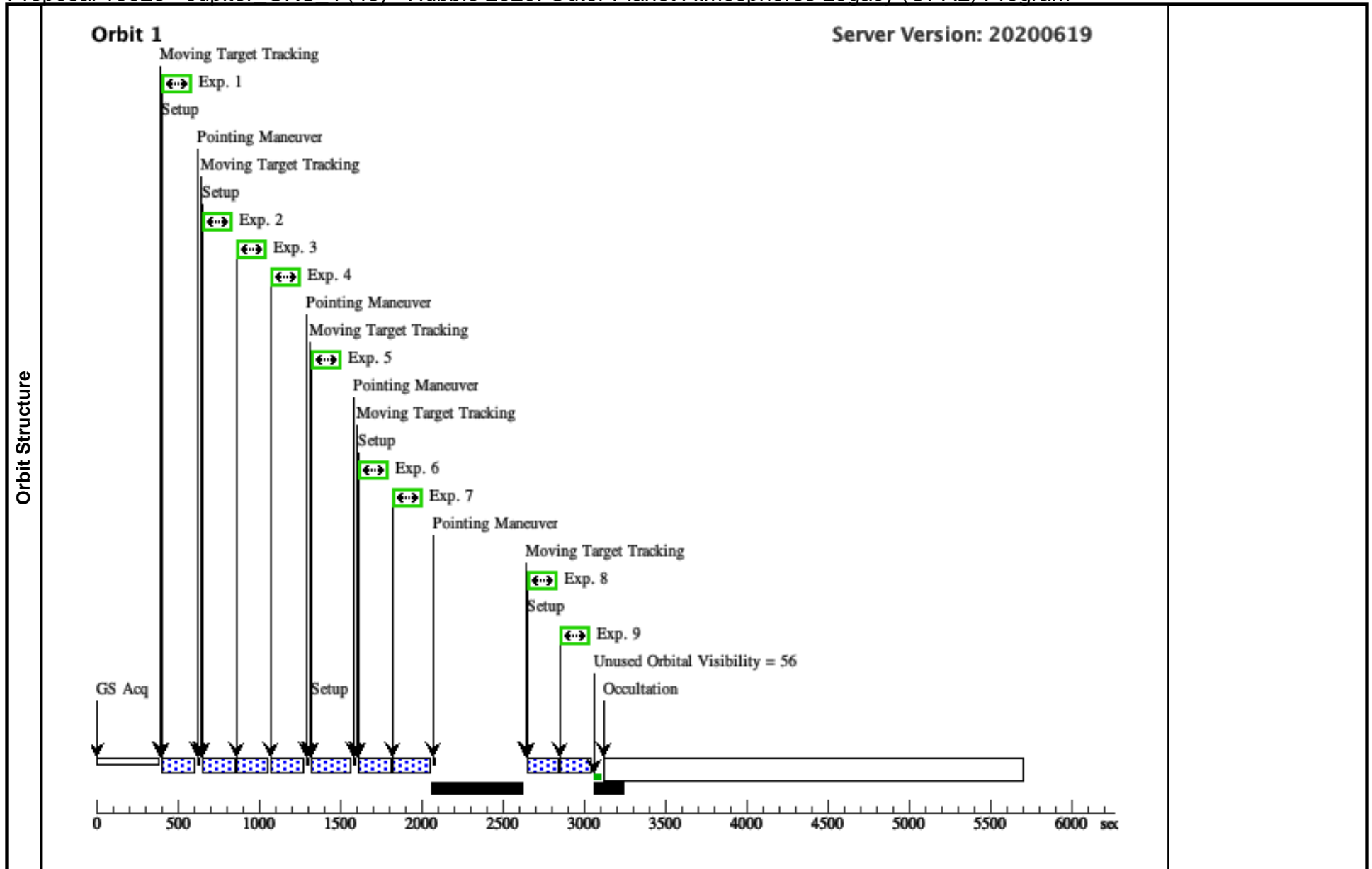
Proposal 15929 - Jupiter_GRS_4 (45) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:29 GMT 2020

Visit	Proposal 15929, Jupiter_GRS_4 (45), scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 42 BY 6.5 Orbits TO 7.5 Orbits; VISIBILITY INTERVAL 52 M						
	Diagnosics (F631N (45.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (45.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (45.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (45.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (45.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (45.005)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F658N (45.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (45.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (45.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (45.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser						
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH
<i>Comments: Description=Global Jupiter maps</i>							

Proposal 15929 - Jupiter GRS 4 (45) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

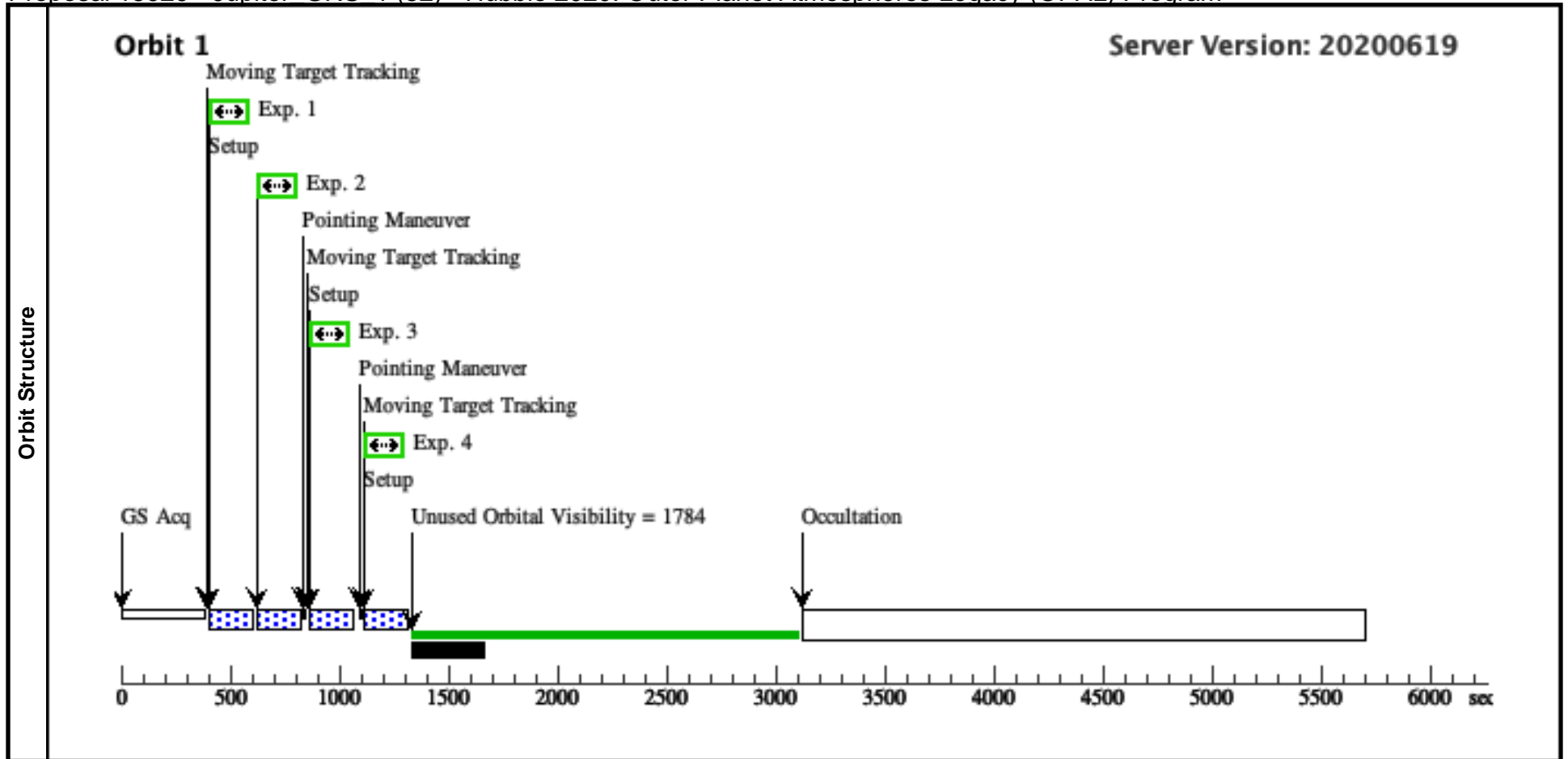
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_GRS_4 (45)	4 Secs (4 Secs) [==>]	[1]
	2	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_GRS_4 (45)	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_GRS_4 (45)	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_GRS_4 (45)	1.2 Secs (1.2 Secs) [==>]	[1]
	5	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-9 Non-Int in Jupiter_GRS_4 (45)	53 Secs (53 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_GRS_4 (45)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_GRS_4 (45)	30 Secs (30 Secs) [==>]	[1]
	8	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F343N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_GRS_4 (45)	6 Secs (6 Secs) [==>]	[1]
	9	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_GRS_4 (45)	4 Secs (4 Secs) [==>]	[1]



Proposal 15929 - Jupiter_GRS_1 (52) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:29 GMT 2020

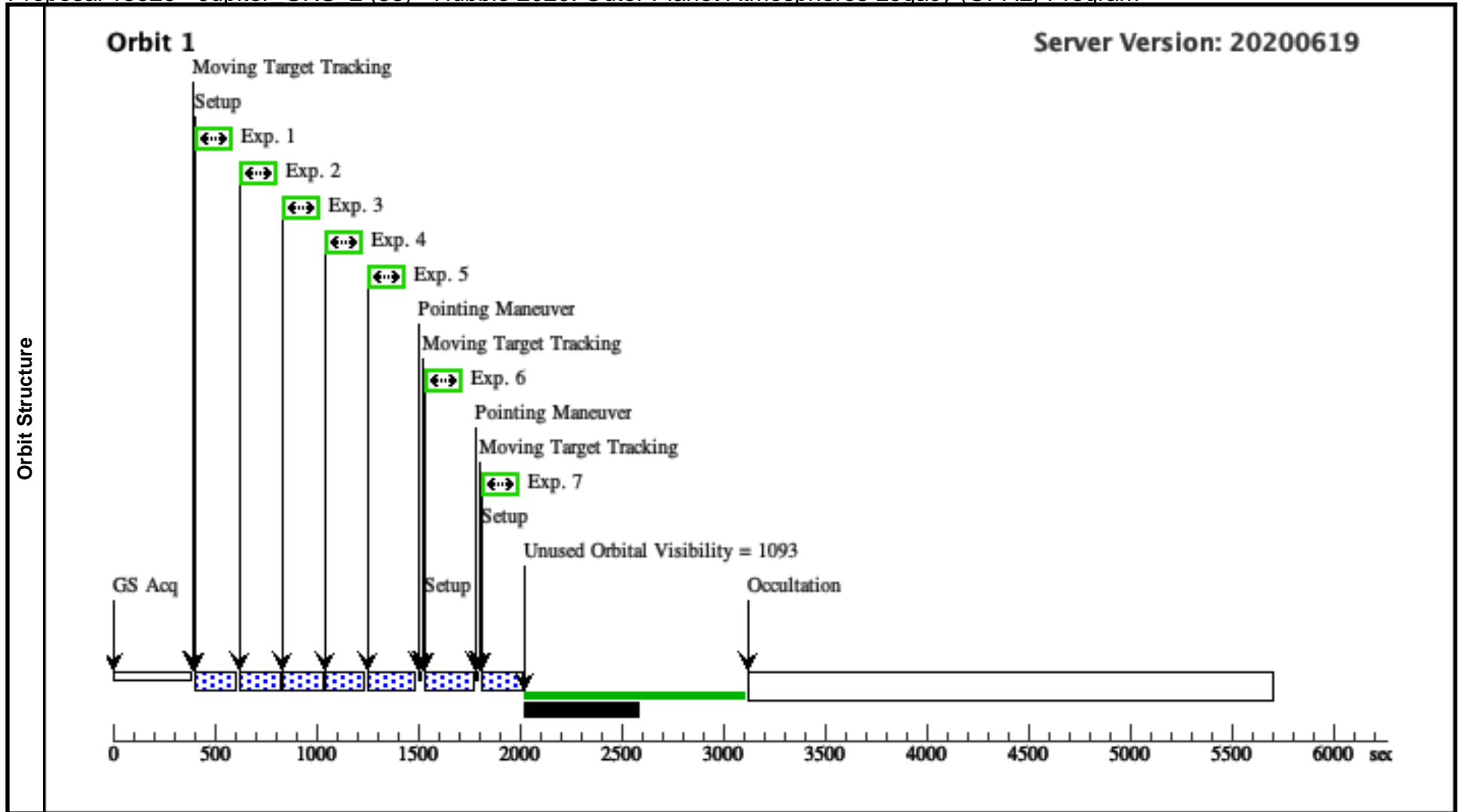
Visit	Proposal 15929, Jupiter_GRS_1 (52), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 52 M <i>Comments: Main OPAL Jupiter set in 2020 had guide star failures that interfered with the Great Red Spot time series. This is part of a 4-orbit repeat approved to recover GRS velocity field data.</i>									
	Diagnostics	(F631N (52.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (52.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (52.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N (52.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser								
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH			
	<i>Comments: Description=Global Jupiter maps</i>									
(5)	JUPITER-GRS	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, CML OF JUPITER FROM EARTH BETWEEN 37 53	EARTH			
<i>Comments: Description=Jupiter Great Red Spot imaging</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(5) JUPITER-GRS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-4 Non-Int in Jupiter_GRS_1 (52)	4 Secs (4 Secs) [==>]	[1]
	2	F343N	(5) JUPITER-GRS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F343N	CR-SPLIT=NO		Sequence 1-4 Non-Int in Jupiter_GRS_1 (52)	6 Secs (6 Secs) [==>]	[1]
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-4 Non-Int in Jupiter_GRS_1 (52)	3 Secs (3 Secs) [==>]	[1]
	4	F631N	(5) JUPITER-GRS	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F631N	CR-SPLIT=NO		Sequence 1-4 Non-Int in Jupiter_GRS_1 (52)	4 Secs (4 Secs) [==>]	[1]



Proposal 15929 - Jupiter_GRS_2 (53) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:29 GMT 2020

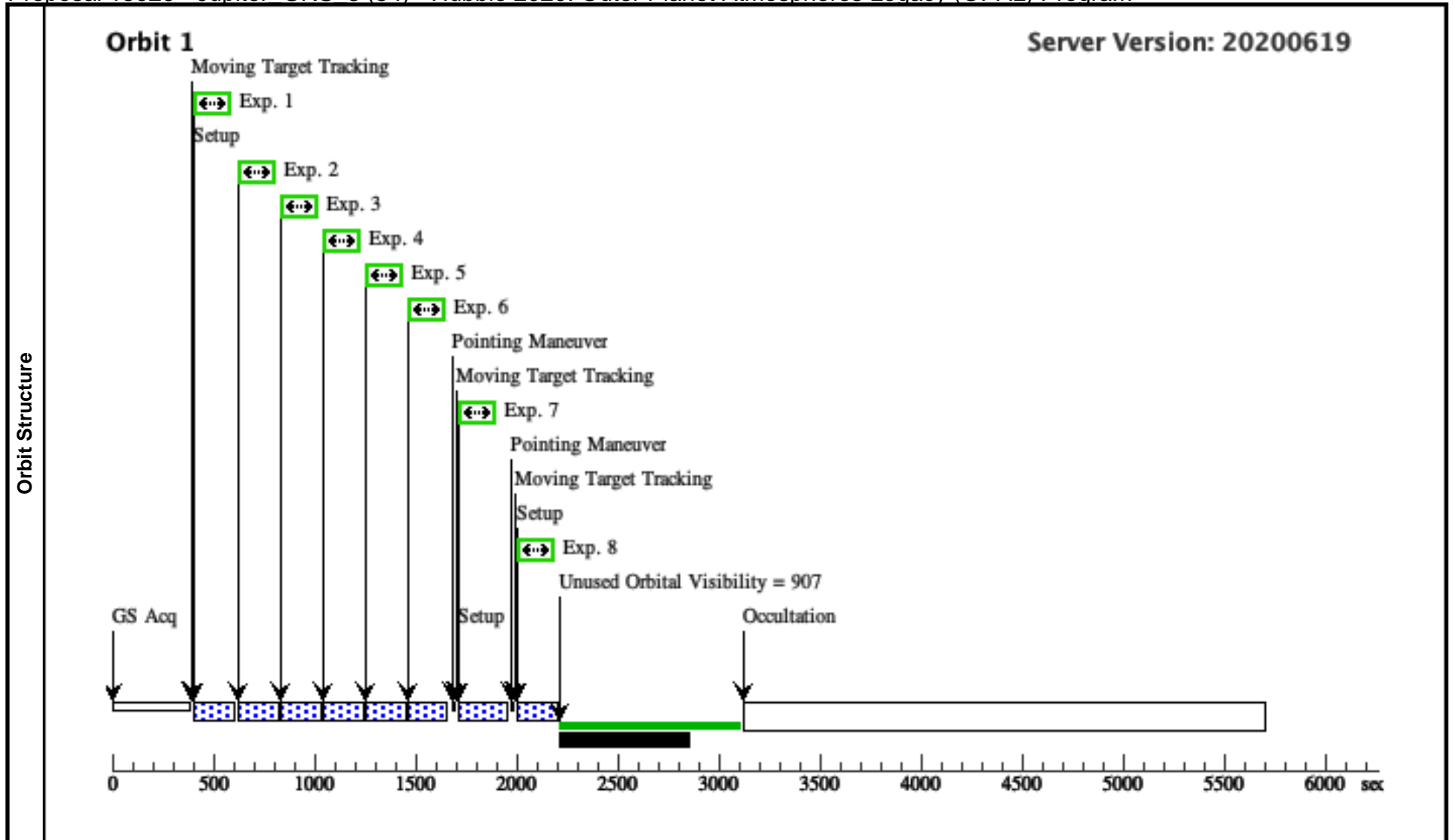
Visit	Proposal 15929, Jupiter_GRS_2 (53), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 52 BY 0.5 Orbits TO 1.5 Orbits; VISIBILITY INTERVAL 52 M																																																																																						
	(F631N (53.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (53.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (53.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (53.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (53.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (53.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (53.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F631N (53.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																																																																																						
Diagnostics																																																																																							
Solar System Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Level 1</th> <th>Level 2</th> <th>Level 3</th> <th>Window</th> <th>Ephem Center</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>JUPITER-MAPS</td> <td>STD=JUPITER</td> <td></td> <td></td> <td>NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D</td> <td>EARTH</td> </tr> </tbody> </table>	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH	<i>Comments: Description=Global Jupiter maps</i>																																																																							
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center																																																																																
(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH																																																																																	
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F631N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F631N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)</td> <td>4 Secs (4 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>F343N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F343N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)</td> <td>6 Secs (6 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>F502N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F502N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)</td> <td>3 Secs (3 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>F395N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F395N</td> <td>CR-SPLIT=NO</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)</td> <td>10 Secs (10 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>5</td> <td>F275W</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F275W</td> <td>CR-SPLIT=NO</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)</td> <td>30 Secs (30 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>6</td> <td>FQ889_quadA</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS-QUAD-SUB</td> <td>FQ889N</td> <td>CR-SPLIT=NO</td> <td>POS TARG +1.7,-2.2</td> <td>Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)</td> <td>53 Secs (53 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>7</td> <td>F631N</td> <td>(1) JUPITER-MAPS</td> <td>WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB</td> <td>F631N</td> <td>CR-SPLIT=NO; BLADE=A</td> <td></td> <td>Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)</td> <td>4 Secs (4 Secs) [==>]</td> <td>[1]</td> </tr> </tbody> </table>	#	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 1-7 Non-Int in Jupiter_GRS_2 (53)	4 Secs (4 Secs) [==>]	[1]	2	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)	6 Secs (6 Secs) [==>]	[1]	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)	3 Secs (3 Secs) [==>]	[1]	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)	10 Secs (10 Secs) [==>]	[1]	5	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)	30 Secs (30 Secs) [==>]	[1]	6	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)	53 Secs (53 Secs) [==>]	[1]	7	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)	4 Secs (4 Secs) [==>]	[1]						
	#	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 1-7 Non-Int in Jupiter_GRS_2 (53)	4 Secs (4 Secs) [==>]	[1]																																																																													
	2	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)	6 Secs (6 Secs) [==>]	[1]																																																																													
	3	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)	3 Secs (3 Secs) [==>]	[1]																																																																													
	4	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)	10 Secs (10 Secs) [==>]	[1]																																																																													
	5	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)	30 Secs (30 Secs) [==>]	[1]																																																																													
	6	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +1.7,-2.2	Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)	53 Secs (53 Secs) [==>]	[1]																																																																													
7	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-7 Non-Int in Jupiter_GRS_2 (53)	4 Secs (4 Secs) [==>]	[1]																																																																														



Proposal 15929 - Jupiter_GRS_3 (54) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:29 GMT 2020

Visit	Proposal 15929, Jupiter_GRS_3 (54), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 52 BY 5.5 Orbits TO 6.5 Orbits; VISIBILITY INTERVAL 52 M									
	Diagnosics (F631N (54.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (54.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (54.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (54.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (54.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (54.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (54.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (54.007)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F631N (54.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH			
<i>Comments: Description=Global Jupiter maps</i>										
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 1-8 Non-Int in Jupiter_GRS_3 (54)	4 Secs (4 Secs) [==>]	[1]
	2	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Jupiter_GRS_3 (54)	6 Secs (6 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Jupiter_GRS_3 (54)	10 Secs (10 Secs) [==>]	[1]
	4	F467M	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F467M	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Jupiter_GRS_3 (54)	1.2 Secs (1.2 Secs) [==>]	[1]
	5	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Jupiter_GRS_3 (54)	3 Secs (3 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-8 Non-Int in Jupiter_GRS_3 (54)	8 Secs (8 Secs) [==>]	[1]
	7	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +4.2,-5.2	Sequence 1-8 Non-Int in Jupiter_GRS_3 (54)	53 Secs (53 Secs) [==>]	[1]
8	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-8 Non-Int in Jupiter_GRS_3 (54)	4 Secs (4 Secs) [==>]	[1]	



Proposal 15929 - Jupiter_GRS_4 (55) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Tue Sep 15 14:01:29 GMT 2020

Visit	Proposal 15929, Jupiter_GRS_4 (55), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 52 BY 6.5 Orbits TO 7.5 Orbits; VISIBILITY INTERVAL 52 M						
	(F631N (55.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F343N (55.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N (55.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F467M (55.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N (55.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F658N (55.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W (55.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (55.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889_quadA (55.008)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignettted part of the field of view or moving it to another quadrant. (F631N (55.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser						
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	JUPITER-MAPS	STD=JUPITER			NOT OCC OF JUPITER BY IO FROM EARTH, NOT OCC OF JUPITER BY EUROPA FROM EARTH, NOT OCC OF JUPITER BY GANYMEDE FROM EARTH, NOT OCC OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER SUN FROM EARTH LT 168D	EARTH
<i>Comments: Description=Global Jupiter maps</i>							

Proposal 15929 - Jupiter GRS 4 (55) - Hubble 2020: Outer Planet Atmospheres Legacy (OPAL) Program

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_GRS_4 (55)	4 Secs (4 Secs) [==>]	[1]
	2	F343N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F343N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_GRS_4 (55)	6 Secs (6 Secs) [==>]	[1]
	3	F395N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_GRS_4 (55)	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_GRS_4 (55)	1.2 Secs (1.2 Secs) [==>]	[1]
	5	F502N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N	CR-SPLIT=NO; BLADE=A		Sequence 1-9 Non-Int in Jupiter_GRS_4 (55)	3 Secs (3 Secs) [==>]	[1]
	6	F658N	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F658N	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_GRS_4 (55)	8 Secs (8 Secs) [==>]	[1]
	7	F275W	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W	CR-SPLIT=NO		Sequence 1-9 Non-Int in Jupiter_GRS_4 (55)	30 Secs (30 Secs) [==>]	[1]
	8	FQ889_quadA	(1) JUPITER-MAPS	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG +4.2,-5.2	Sequence 1-9 Non-Int in Jupiter_GRS_4 (55)	53 Secs (53 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_GRS_4 (55)	4 Secs (4 Secs) [==>]	[1]

