



17495 - Oscillations of Jupiter's Great Red Spot

Cycle: 31, Proposal Category: GO

(Availability Mode: AVAILABLE)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Amy Simon (PI) (Contact)	NASA Goddard Space Flight Center
Michael H. Wong (CoI) (Contact)	University of California - Berkeley
Prof. Patrick Irwin (CoI) (ESA Member)	University of Oxford
Prof. Philip S. Marcus (CoI)	University of California - Berkeley

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	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS	1	26-Feb-2024 18:00:21.0	yes
02	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS	1	26-Feb-2024 18:00:22.0	yes
03	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS	1	26-Feb-2024 18:00:24.0	yes
04	(1) JUPITER	WFC3/UVIS	1	26-Feb-2024 18:00:25.0	yes
05	(1) JUPITER	WFC3/UVIS	1	26-Feb-2024 18:00:25.0	yes
06	(1) JUPITER	WFC3/UVIS	1	26-Feb-2024 18:00:26.0	yes
07	(1) JUPITER	WFC3/UVIS	1	26-Feb-2024 18:00:27.0	yes
08	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS	1	26-Feb-2024 18:00:28.0	yes
09	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS	1	26-Feb-2024 18:00:29.0	yes
10	(1) JUPITER	WFC3/UVIS	1	26-Feb-2024 18:00:30.0	yes
11	(1) JUPITER	WFC3/UVIS	1	26-Feb-2024 18:00:31.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
12	(1) JUPITER	WFC3/UVIS	1	26-Feb-2024 18:00:31.0	yes
13	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS	1	26-Feb-2024 18:00:33.0	yes
14	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS	1	26-Feb-2024 18:00:34.0	yes
15	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS	1	26-Feb-2024 18:00:34.0	yes
16	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS	1	26-Feb-2024 18:00:35.0	yes
17	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS	1	26-Feb-2024 18:00:36.0	yes
18	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS	1	26-Feb-2024 18:00:36.0	yes

18 Total Orbits Used

ABSTRACT

Jupiter's Great Red Spot (GRS) is the longest-lived, most mysterious, storm in the solar system. Similar large vortices on Neptune last only a few years, as they drift in latitude or simply fade away. Conversely, Jupiter's strong alternating wind field anchors the GRS in latitude, perhaps contributing to its longevity. On Earth, vortices are also disrupted by changes in latitude (Coriolis forces) or by forces that lead to instability (e.g., landfall, upper-level wind shear), and only rarely last longer than a year. Terrestrial eddies have been extensively studied, showing they dissipate as the mid-level core of storm erodes over time, but intensifying internal winds can increase their longevity. Comprehensive datasets do not yet exist for giant planet vortices, but some peculiar behaviors have been observed over shorter periods. First, the GRS drifts westward relative to Jupiter's wind field but with a ~90-day oscillation in the absolute drift rate. Similarly, a small Neptune dark was seen to oscillate in both latitude and longitude, while the larger Great Dark Spot oscillated in shape. The nature of such oscillations and why they manifest differently in each storm is a mystery. The GRS's smaller size at present allows increased interaction with Jupiter's winds; transient changes of this type were seen in 2019. Our proposed intense Hubble observational study would use the GRS as a fluid dynamics laboratory for studying vortex/wind interaction without terrestrial topography or latitudinal motion by measuring how its internal motions, size, and shape vary to stabilize it against the wind field over an oscillation cycle.

OBSERVING DESCRIPTION

Repeated observations of Jupiter's Great Red Spot over a 90-day period. Orbits are in groups of 3, with 2 contiguous orbits (A1 and A2) and one orbit (B) 10 hrs before or after. GRS center will be closer than 7 deg to the central meridian in at least one of the three orbits in each epoch.

Predicted crossing times (within 30 sec), are based on amateur imaging from Jan, July & Aug. These will be doublechecked once the plan windows are known:

Date	Long	CML transit
Dec 1	90.5	07:22:00
Dec 16	95.1	04:47:00
Dec 31	99.7	02:31:30
Jan 15	104.3	09:37:00
Jan 30	108.9	07:06:30
Feb 14	113.5	04:36:30

If an epoch does not schedule with default values, we have a list of changes for the PC to try sequentially to improve schedulability:

[1]

Increase BETWEEN timing requirement interval to +/- 6 days.

[2]

Increase POS-TARG values for FQ727N exposures, first by 3 arcsec in each direction and then by 5 arcsec in each direction. For example, for Epoch 1 the POS-TARGs would increase by 3 arcsec in each direction from [-6.51, +6.72] to [-9.51, +9.72]. If that still does not work, then increase by 5 arcsec in each direction to [-11.51, +11.72]. This causes 10-30% of Jupiter's area to fall within the non-photometric edge area of the 727-nm filter (depending on geocentric distance and POS-TARG increment).

[3]

Start deleting FQ727N exposures in this order:

Proposal 17495 (STScI Edit Number: 46, Created: Monday, February 26, 2024 at 6:00:37 PM Eastern Standard Time) - Overview

3a - Delete from visit A1, keep in visits A2 and B.

3b - Delete from visit B, keep in visits A1 and A2.

3c - Delete from visits A1 and A2, keep in visit B.

3d - Delete from all visits in the epoch.

ACTION NOTE (3a,3c,3d): Whenever a FQ727N exposure is deleted, the F631N exposure in 2K2D-SUB that follows it needs additional adjustment: change aperture to 2K2A-SUB, and change POS-TARG to match the other 2K2A-SUB frames in the orbit. It may be quickest to duplicate exposure 1 (F631N 2K2A), place at end of visit, and delete the F631N 2K2D.

EXPLANATORY NOTE: This change rule [3] distinguishes between A1 and A2, but the timing constraints are identical for the two visits. This is why A1 and A2 are GROUPED WITHIN 1 orbit instead of SEQUENCED, so a change to A1 enables simultaneous testing between that change happening in the first or second visit of the pair.

Proposal 17495 - GRS epoch 7 - A (01) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:37 GMT 2024

Visit	Proposal 17495, GRS epoch 7 - A (01), completed							
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 19-FEB-2024:00:00:00 AND 29-FEB-2024:00:00:00; Period 9.929071494 H AND ZERO-PHASE HJD2460321.549653 <i>Comments: Epoch 7: 24 Feb</i>							
Diagnostics	(F631N - 1K quad C (01.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - 1K quad C (01.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (01.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (01.003)) 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. (F395N - 1K quad C (01.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N - 1K quad C (01.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N - 1K quad C (01.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N - 1K quad C (01.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - 1K quad C (01.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N - 1K quad C (01.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N - 1K quad C (01.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (01.011)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (01.011)) 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. (F631N - 1K quad C (01.012)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (GRS epoch 7 - A (01)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.							
	Patterns	#	Primary Pattern	Secondary Pattern				
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(11)				
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
		(2)	JUPITER-MOONS-CLOSE	STD=JUPITER				EARTH
	<i>Comments: Description=Jupiter GRS</i>							

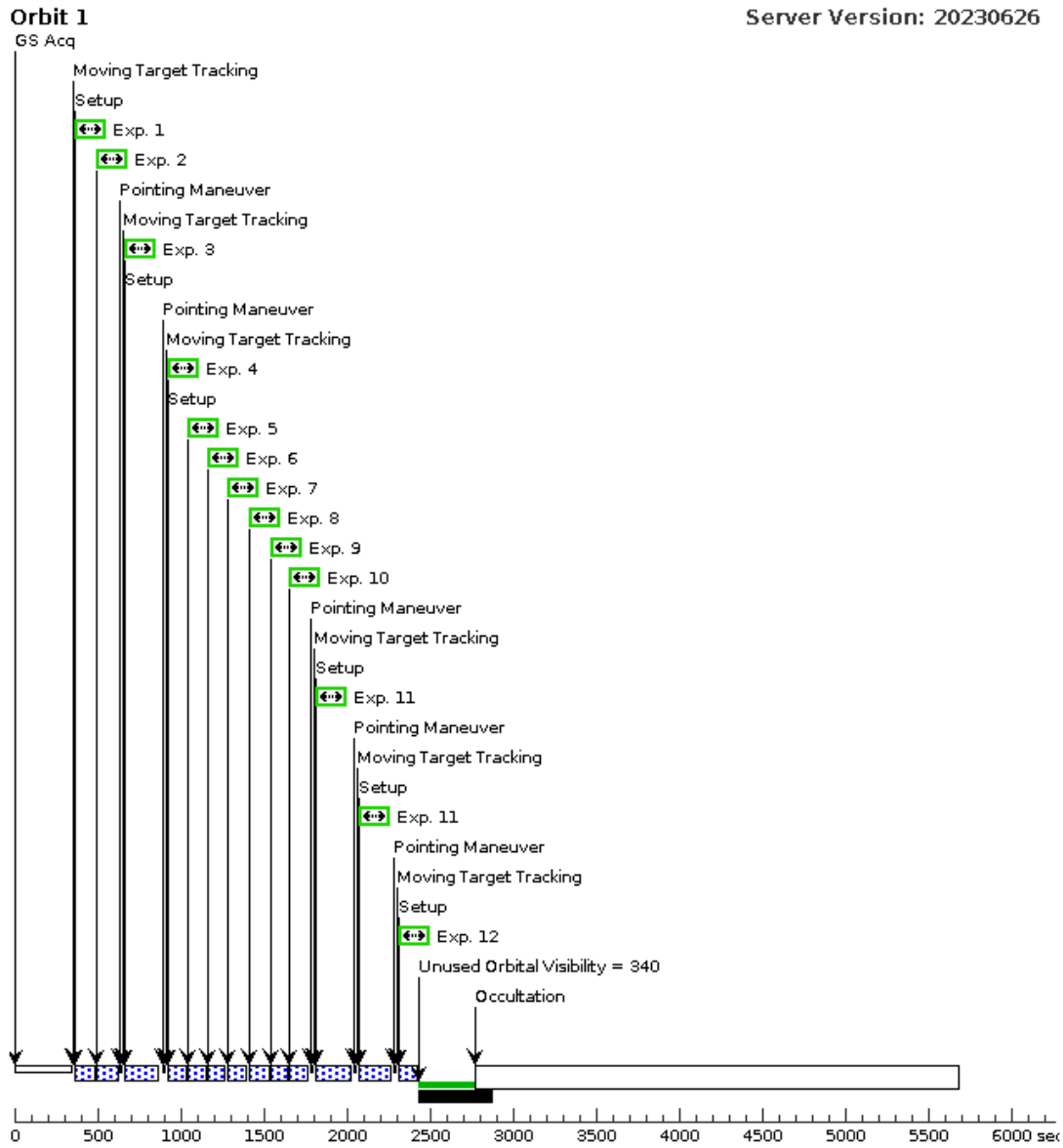
Proposal 17495 - GRS epoch 7 - A (01) - Oscillations of Jupiter's Great Red Spot

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A	PHASE 0 TO 0.1517 22176; GS ACQ SCENARI ONEB1BE	Sequence 1-12 Non-Int in GRS epoch 7 - A (01)	4 Secs (4 Secs) [==>]	[1]
	2	F275W - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W			Sequence 1-12 Non-Int in GRS epoch 7 - A (01)	20 Secs (20 Secs) [==>]	[1]
	3	FQ889N - quad A	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +6.4,-7.7	Sequence 1-12 Non-Int in GRS epoch 7 - A (01)	20 Secs (20 Secs) [==>]	[1]
	4	F395N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F395N			Sequence 1-12 Non-Int in GRS epoch 7 - A (01)	9 Secs (9 Secs) [==>]	[1]
	5	F502N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F502N			Sequence 1-12 Non-Int in GRS epoch 7 - A (01)	4 Secs (4 Secs) [==>]	[1]
	6	F395N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F395N			Sequence 1-12 Non-Int in GRS epoch 7 - A (01)	9 Secs (9 Secs) [==>]	[1]
	7	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A		Sequence 1-12 Non-Int in GRS epoch 7 - A (01)	4 Secs (4 Secs) [==>]	[1]
	8	F275W - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W			Sequence 1-12 Non-Int in GRS epoch 7 - A (01)	8 Secs (8 Secs) [==>]	[1]
	9	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A		Sequence 1-12 Non-Int in GRS epoch 7 - A (01)	4 Secs (4 Secs) [==>]	[1]
	10	F395N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F395N			Sequence 1-12 Non-Int in GRS epoch 7 - A (01)	9 Secs (9 Secs) [==>]	[1]
	11	FQ889N - quad A	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +6.4,-7.7	Sequence 1-12 Non-Int in GRS epoch 7 - A (01) Pattern 1, Exps 11-11 in Sequence 1-12 Non-Int in GRS epoch 7 - A (01) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A		Sequence 1-12 Non-Int in GRS epoch 7 - A (01)	4 Secs (4 Secs) [==>]	[1]

Proposal 17495 - GRS epoch 7 - A (01) - Oscillations of Jupiter's Great Red Spot

Server Version: 20230626

Orbit Structure



Proposal 17495 - GRS epoch 8 - A (02) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:37 GMT 2024

Visit	<p>Proposal 17495, GRS epoch 8 - A (02), scheduling</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: Period 9.929071494 H AND ZERO-PHASE HJD2460321.549653; GROUP 02,08 WITHIN 15H</p> <p><i>Comments: Epoch 8: 7 Mar</i></p>						
	Diagnostics	<p>(F631N - 1K quad C (02.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W - 1K quad C (02.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (02.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (02.003)) 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>(F395N - 1K quad C (02.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F502N - 1K quad C (02.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F395N - 1K quad C (02.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F631N - 1K quad C (02.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W - 1K quad C (02.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F631N - 1K quad C (02.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F395N - 1K quad C (02.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (02.011)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (02.011)) 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> <p>(F631N - 1K quad C (02.012)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(GRS epoch 8 - A (02)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>					
Patterns		#	Primary Pattern	Secondary Pattern	Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(11)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	JUPITER-MOONS-CLOSE	STD=JUPITER				EARTH
<p><i>Comments: Description=Jupiter GRS</i></p>							

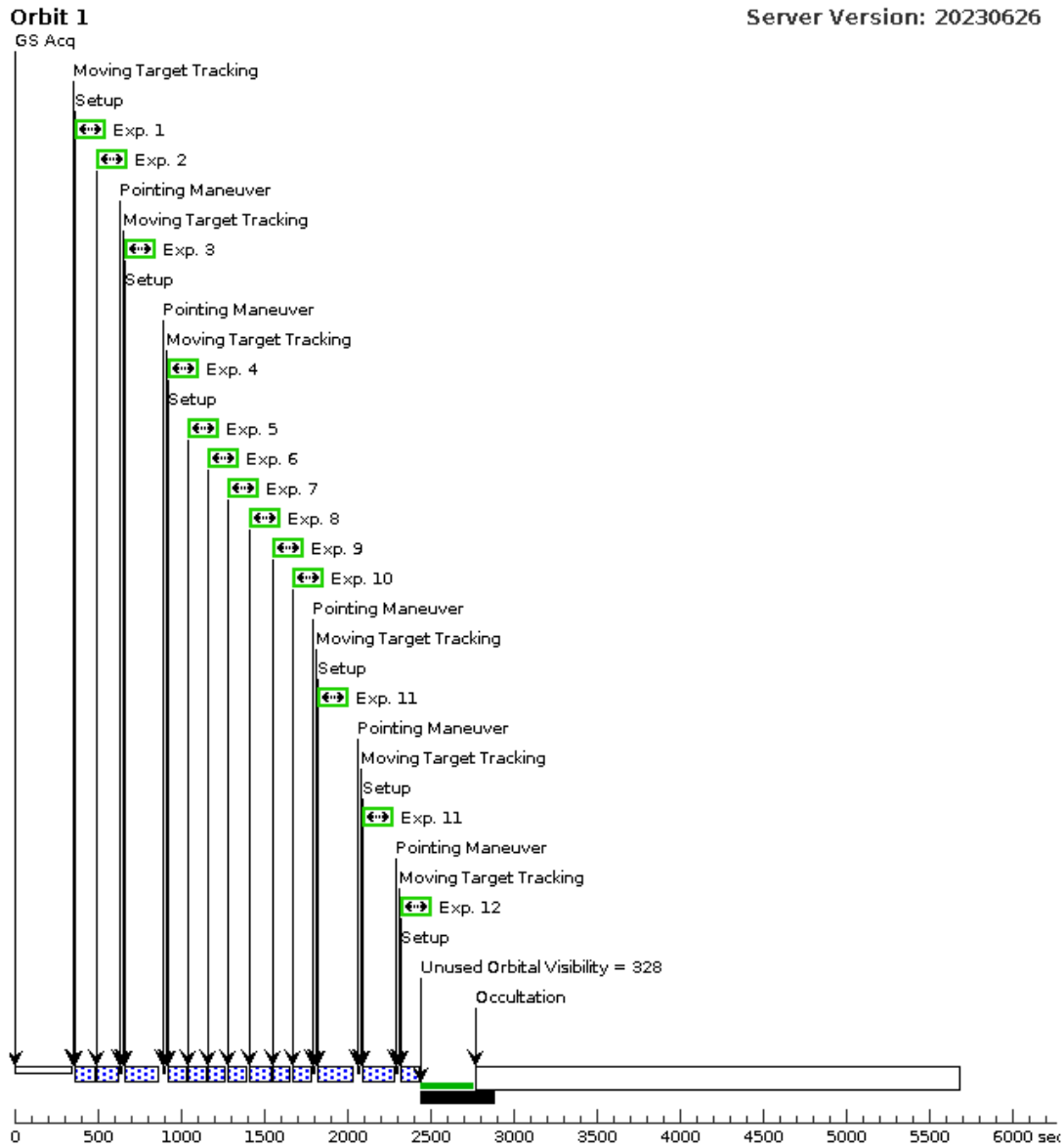
Proposal 17495 - GRS epoch 8 - A (02) - Oscillations of Jupiter's Great Red Spot

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A	PHASE 0 TO 0.151722176; GS ACQ SCENARIO ONEB1BE	Sequence 1-12 Non-Int in GRS epoch 8 - A (02)	4 Secs (4 Secs) [==>]	[1]
	2	F275W - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W			Sequence 1-12 Non-Int in GRS epoch 8 - A (02)	20 Secs (20 Secs) [==>]	[1]
	3	FQ889N - quad A	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +6.9,-8.3	Sequence 1-12 Non-Int in GRS epoch 8 - A (02)	20 Secs (20 Secs) [==>]	[1]
	4	F395N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F395N			Sequence 1-12 Non-Int in GRS epoch 8 - A (02)	9 Secs (9 Secs) [==>]	[1]
	5	F502N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F502N			Sequence 1-12 Non-Int in GRS epoch 8 - A (02)	4 Secs (4 Secs) [==>]	[1]
	6	F395N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F395N			Sequence 1-12 Non-Int in GRS epoch 8 - A (02)	9 Secs (9 Secs) [==>]	[1]
	7	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A		Sequence 1-12 Non-Int in GRS epoch 8 - A (02)	4 Secs (4 Secs) [==>]	[1]
	8	F275W - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W			Sequence 1-12 Non-Int in GRS epoch 8 - A (02)	20 Secs (20 Secs) [==>]	[1]
	9	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A		Sequence 1-12 Non-Int in GRS epoch 8 - A (02)	4 Secs (4 Secs) [==>]	[1]
	10	F395N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F395N			Sequence 1-12 Non-Int in GRS epoch 8 - A (02)	9 Secs (9 Secs) [==>]	[1]
	11	FQ889N - quad A	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +6.9,-8.3	Sequence 1-12 Non-Int in GRS epoch 8 - A (02) Pattern 1, Exps 11-11 in Sequence 1-12 Non-Int in GRS epoch 8 - A (02) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A		Sequence 1-12 Non-Int in GRS epoch 8 - A (02)	4 Secs (4 Secs) [==>]	[1]

Proposal 17495 - GRS epoch 8 - A (02) - Oscillations of Jupiter's Great Red Spot

Server Version: 20230626

Orbit Structure



Proposal 17495 - GRS epoch 7 - B (03) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:37 GMT 2024

Visit	<p>Proposal 17495, GRS epoch 7 - B (03), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: Period 9.929071494 H AND ZERO-PHASE HJD2460321.549653; GROUP 03,01 WITHIN 15H</p> <p><i>Comments: Epoch 7: 24 Feb</i> <i>B one Jupiter rotation before or after A</i></p>						
	Diagnostics	<p>(F631N - 1K quad C (03.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W - 1K quad C (03.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (03.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (03.003)) 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>(F395N - 1K quad C (03.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F502N - 1K quad C (03.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F395N - 1K quad C (03.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F631N - 1K quad C (03.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W - 1K quad C (03.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F631N - 1K quad C (03.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F395N - 1K quad C (03.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (03.011)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (03.011)) 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> <p>(F631N - 1K quad C (03.012)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(GRS epoch 7 - B (03)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>					
Patterns		#	Primary Pattern	Secondary Pattern	Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(11)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	JUPITER-MOONS-CLOSE	STD=JUPITER				EARTH
<p><i>Comments: Description=Jupiter GRS</i></p>							

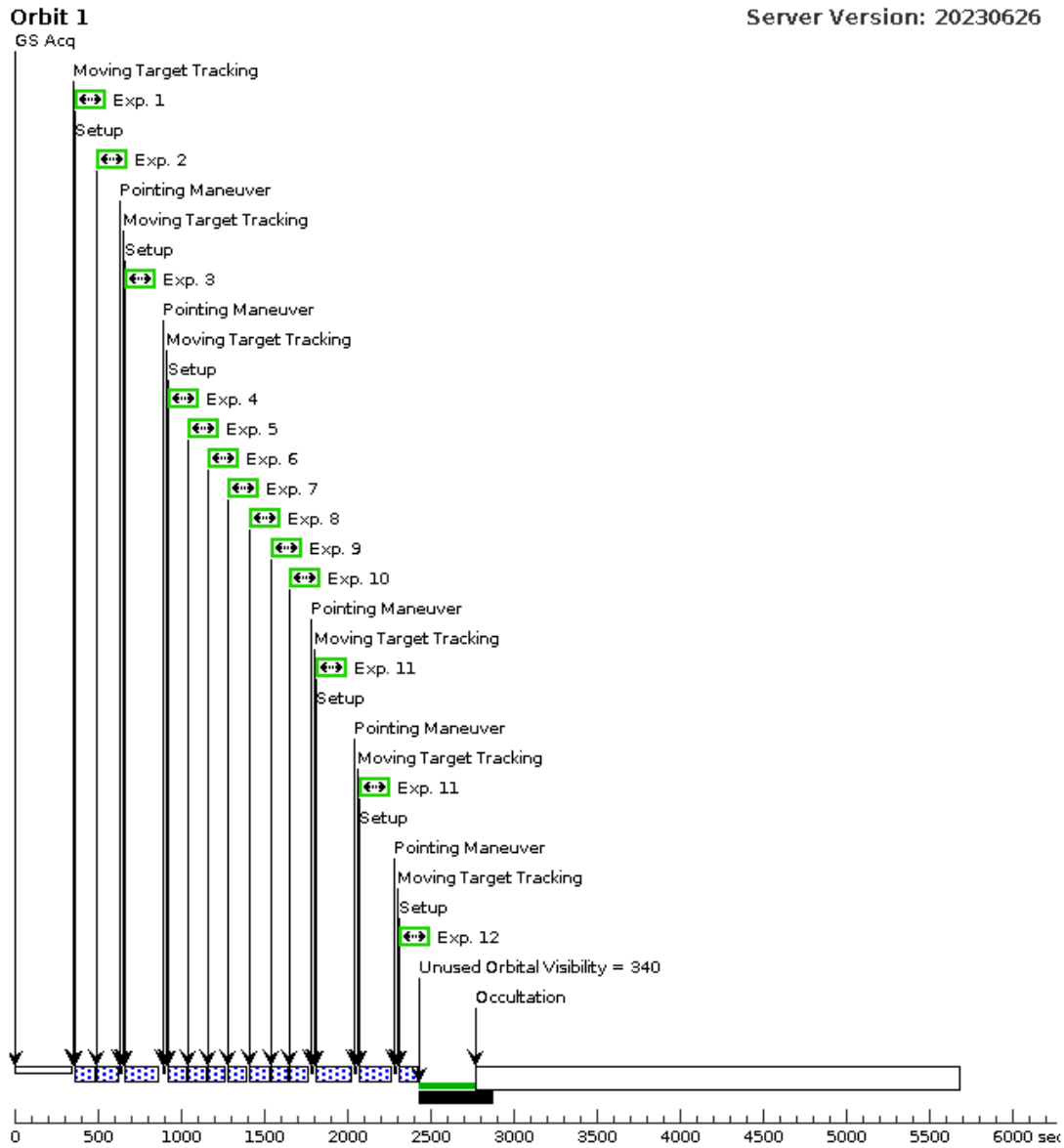
Proposal 17495 - GRS epoch 7 - B (03) - Oscillations of Jupiter's Great Red Spot

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A	PHASE 0 TO 0.151722176; GS ACQ SCENARIO ONEB1BE	Sequence 1-12 Non-Int in GRS epoch 7 - B (03)	4 Secs (4 Secs) [==>]	[1]
	2	F275W - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W			Sequence 1-12 Non-Int in GRS epoch 7 - B (03)	20 Secs (20 Secs) [==>]	[1]
	3	FQ889N - quad A	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +6.4,-7.7	Sequence 1-12 Non-Int in GRS epoch 7 - B (03)	20 Secs (20 Secs) [==>]	[1]
	4	F395N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F395N			Sequence 1-12 Non-Int in GRS epoch 7 - B (03)	9 Secs (9 Secs) [==>]	[1]
	5	F502N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F502N			Sequence 1-12 Non-Int in GRS epoch 7 - B (03)	4 Secs (4 Secs) [==>]	[1]
	6	F395N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F395N			Sequence 1-12 Non-Int in GRS epoch 7 - B (03)	9 Secs (9 Secs) [==>]	[1]
	7	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A		Sequence 1-12 Non-Int in GRS epoch 7 - B (03)	4 Secs (4 Secs) [==>]	[1]
	8	F275W - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W			Sequence 1-12 Non-Int in GRS epoch 7 - B (03)	8 Secs (8 Secs) [==>]	[1]
	9	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A		Sequence 1-12 Non-Int in GRS epoch 7 - B (03)	4 Secs (4 Secs) [==>]	[1]
	10	F395N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F395N			Sequence 1-12 Non-Int in GRS epoch 7 - B (03)	9 Secs (9 Secs) [==>]	[1]
	11	FQ889N - quad A	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +6.4,-7.7	Sequence 1-12 Non-Int in GRS epoch 7 - B (03) Pattern 1, Exps 11-11 in Sequence 1-12 Non-Int in GRS epoch 7 - B (03) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
12	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A		Sequence 1-12 Non-Int in GRS epoch 7 - B (03)	4 Secs (4 Secs) [==>]	[1]	

Proposal 17495 - GRS epoch 7 - B (03) - Oscillations of Jupiter's Great Red Spot

Server Version: 20230626

Orbit Structure



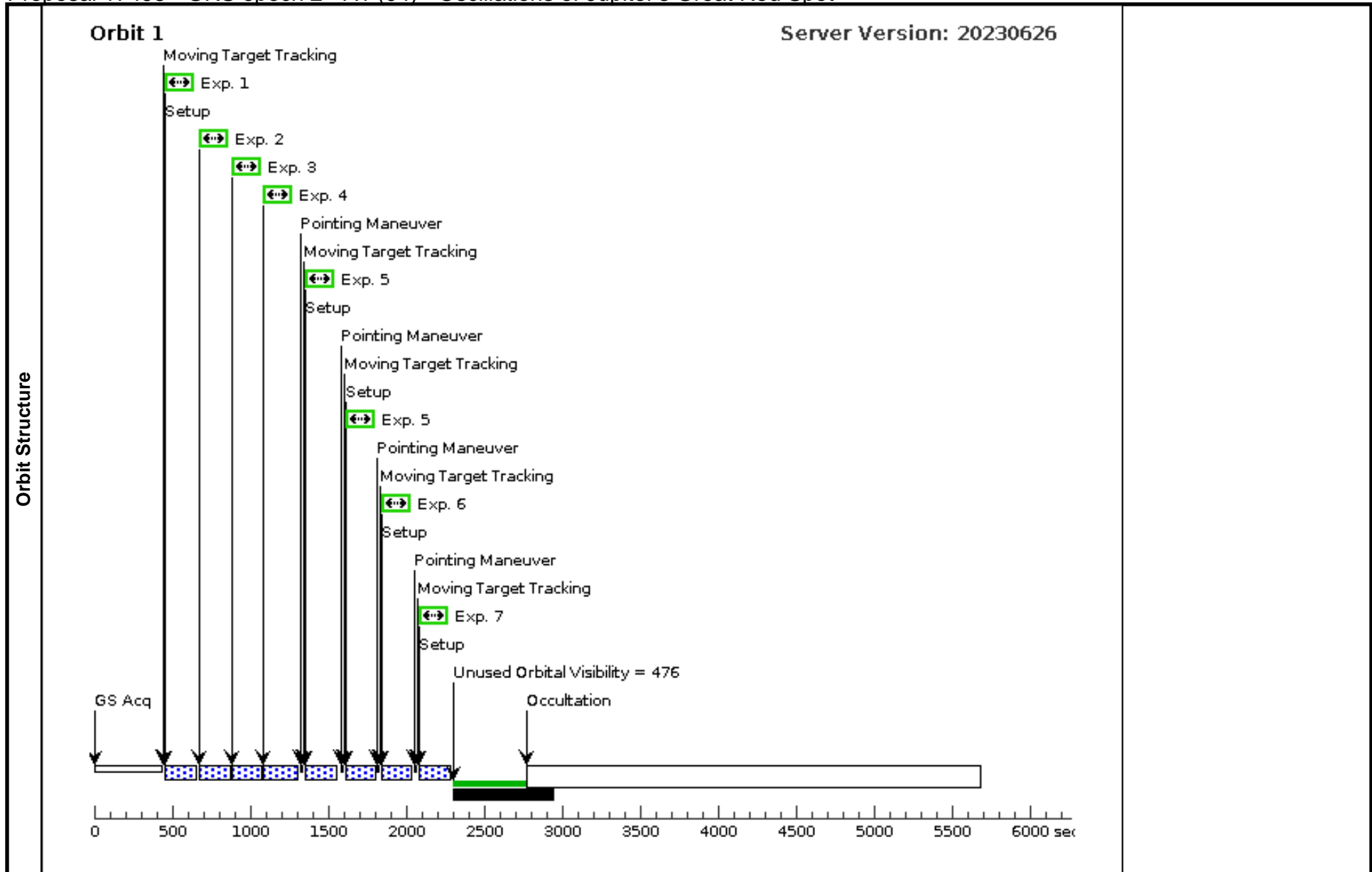
Proposal 17495 - GRS epoch 2 - A1 (04) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:37 GMT 2024

Visit	<p>Proposal 17495, GRS epoch 2 - A1 (04), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 10-DEC-2023:00:00:00 AND 22-DEC-2023:00:00:00; Period 9.92842114 H AND ZERO-PHASE HJD2460279.740451</p> <p><i>Comments: Epoch 2: Dec 16 +/- 3 days</i></p>																	
	<p>(F631N - quad A (04.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F502N - quad A (04.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F395N - quad A (04.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W - quad A (04.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (04.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (04.005)) 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.</p> <p>(FQ727N - quad D (04.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N - quad D (04.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(F631N - quad D (04.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(GRS epoch 2 - A1 (04)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>																	
Diagnosics																		
Patterns	<table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td> Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing= </td> <td> Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td>(5)</td> </tr> </tbody> </table>	#	Primary Pattern	Secondary Pattern	Exposures	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(5)									
	#	Primary Pattern	Secondary Pattern	Exposures														
(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(5)															
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</td> <td>STD=JUPITER</td> <td></td> <td></td> <td> NOT ECL P PARTIAL OF JUPITER BY IO FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY EUROPA FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY GANYMEDE FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER IO FROM EARTH GT 1", SEP OF JUPITER EUROPA FROM EARTH GT 1", SEP OF JUPITER GANYMEDE FROM EARTH GT 1", SEP OF JUPITER CALLISTO FROM EARTH GT 1" </td> <td>EARTH</td> </tr> </tbody> </table>	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(1)	JUPITER	STD=JUPITER			NOT ECL P PARTIAL OF JUPITER BY IO FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY EUROPA FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY GANYMEDE FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER IO FROM EARTH GT 1", SEP OF JUPITER EUROPA FROM EARTH GT 1", SEP OF JUPITER GANYMEDE FROM EARTH GT 1", SEP OF JUPITER CALLISTO FROM EARTH GT 1"	EARTH			
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center											
(1)	JUPITER	STD=JUPITER			NOT ECL P PARTIAL OF JUPITER BY IO FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY EUROPA FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY GANYMEDE FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER IO FROM EARTH GT 1", SEP OF JUPITER EUROPA FROM EARTH GT 1", SEP OF JUPITER GANYMEDE FROM EARTH GT 1", SEP OF JUPITER CALLISTO FROM EARTH GT 1"	EARTH												
<p><i>Comments: Description=Jupiter GRS</i></p>																		

Proposal 17495 - GRS epoch 2 - A1 (04) - Oscillations of Jupiter's Great Red Spot

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A	POS TARG +22.3,-2 6.92; PHASE 0 TO 0.2584 32288	Sequence 1-7 Non-Int in GRS epoch 2 - A1 (04)	4 Secs (4 Secs) [==>]	[1]
	2	F502N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N		POS TARG +22.3,-2 6.92	Sequence 1-7 Non-Int in GRS epoch 2 - A1 (04)	4 Secs (4 Secs) [==>]	[1]
	3	F395N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N		POS TARG +22.3,-2 6.92	Sequence 1-7 Non-Int in GRS epoch 2 - A1 (04)	9 Secs (9 Secs) [==>]	[1]
	4	F275W - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W		POS TARG +22.3,-2 6.92	Sequence 1-7 Non-Int in GRS epoch 2 - A1 (04)	20 Secs (20 Secs) [==>]	[1]
	5	FQ889N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +2.3,-2 92	Sequence 1-7 Non-Int in GRS epoch 2 - A1 (04) Pattern 1, Exps 5-5 in Sequence 1-7 Non-Int in GRS epoch 2 - A1 (04) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N		POS TARG -7.3,+7. 65	Sequence 1-7 Non-Int in GRS epoch 2 - A1 (04)	8 Secs (8 Secs) [==>]	[1]
	7	F631N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A	POS TARG -23.3,+2 4.65	Sequence 1-7 Non-Int in GRS epoch 2 - A1 (04)	4 Secs (4 Secs) [==>]	[1]



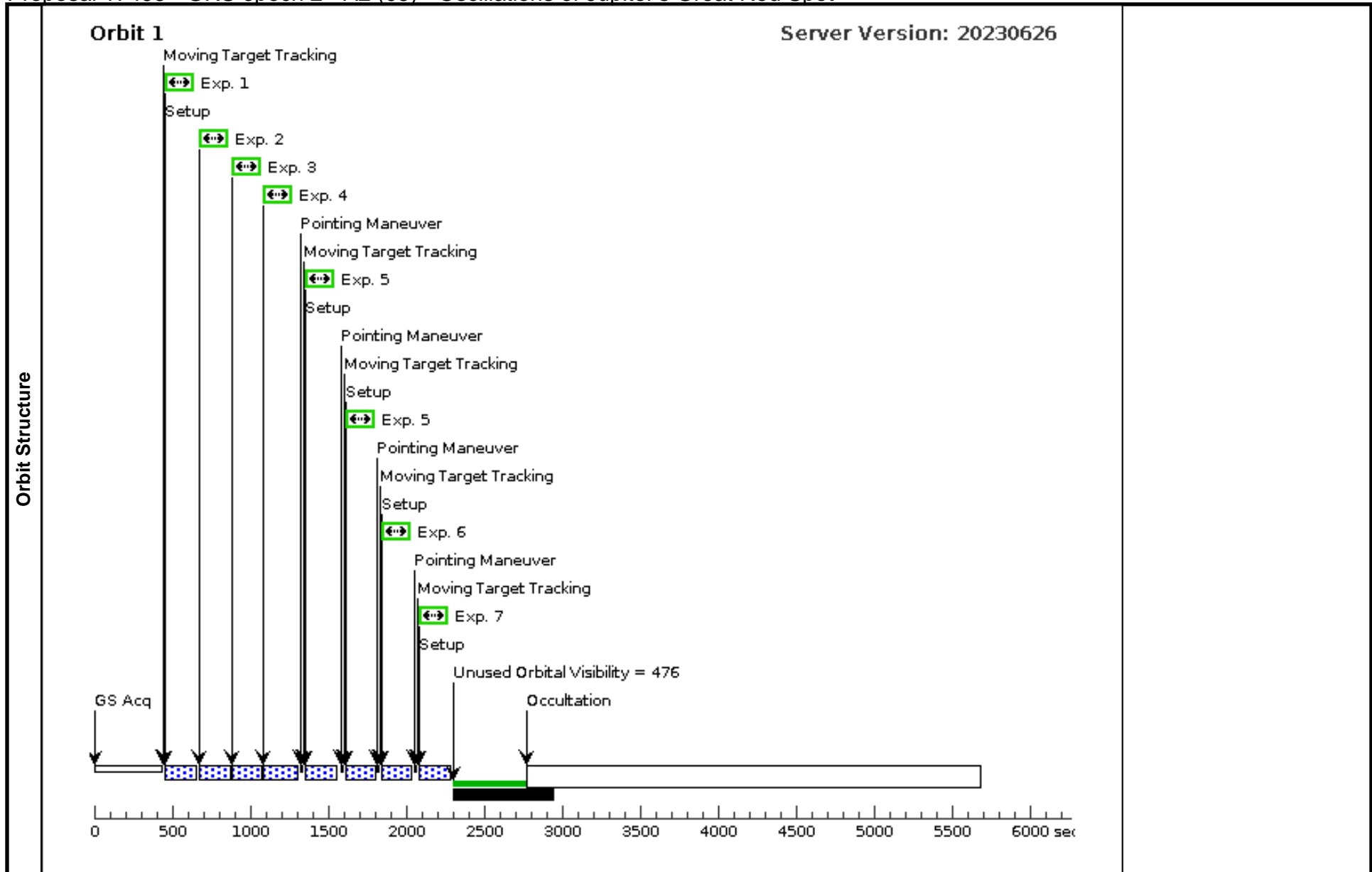
Proposal 17495 - GRS epoch 2 - A2 (05) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:37 GMT 2024

Visit	Proposal 17495, GRS epoch 2 - A2 (05), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: Period 9.92842114 H AND ZERO-PHASE HJD2460279.740451; GROUP 05,04 WITHIN 1.2 Orbits <i>Comments: A1 and A2 consecutive</i>						
	Diagnostics	(F631N - quad A (05.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N - quad A (05.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N - quad A (05.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - quad A (05.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (05.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (05.005)) 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. (FQ727N - quad D (05.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N - quad D (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. (F631N - quad D (05.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (GRS epoch 2 - A2 (05)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.					
Patterns		#	Primary Pattern	Secondary Pattern	Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(5)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	JUPITER	STD=JUPITER				NOT ECL P PARTIAL OF JUPITER BY IO FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY EUROPA FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY GANYMEDE FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER IO FROM EARTH GT 1", SEP OF JUPITER EUROPA FROM EARTH GT 1", SEP OF JUPITER GANYMEDE FROM EARTH GT 1", SEP OF JUPITER CALLISTO FROM EARTH GT 1"
<i>Comments: Description=Jupiter GRS</i>							

Proposal 17495 - GRS epoch 2 - A2 (05) - Oscillations of Jupiter's Great Red Spot

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A	POS TARG +22.3,-2 6.92; PHASE 0 TO 0.2584 32288	Sequence 1-7 Non-Int in GRS epoch 2 - A2 (05)	4 Secs (4 Secs) [==>]	[1]
	2	F502N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N		POS TARG +22.3,-2 6.92	Sequence 1-7 Non-Int in GRS epoch 2 - A2 (05)	4 Secs (4 Secs) [==>]	[1]
	3	F395N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N		POS TARG +22.3,-2 6.92	Sequence 1-7 Non-Int in GRS epoch 2 - A2 (05)	9 Secs (9 Secs) [==>]	[1]
	4	F275W - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W		POS TARG +22.3,-2 6.92	Sequence 1-7 Non-Int in GRS epoch 2 - A2 (05)	20 Secs (20 Secs) [==>]	[1]
	5	FQ889N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +2.3,-2.92	Sequence 1-7 Non-Int in GRS epoch 2 - A2 (05) Pattern 1, Exps 5-5 in Sequence 1-7 Non-Int in GRS epoch 2 - A2 (05) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N		POS TARG -7.3,+7.65	Sequence 1-7 Non-Int in GRS epoch 2 - A2 (05)	8 Secs (8 Secs) [==>]	[1]
	7	F631N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A	POS TARG -23.3,+2 4.65	Sequence 1-7 Non-Int in GRS epoch 2 - A2 (05)	4 Secs (4 Secs) [==>]	[1]



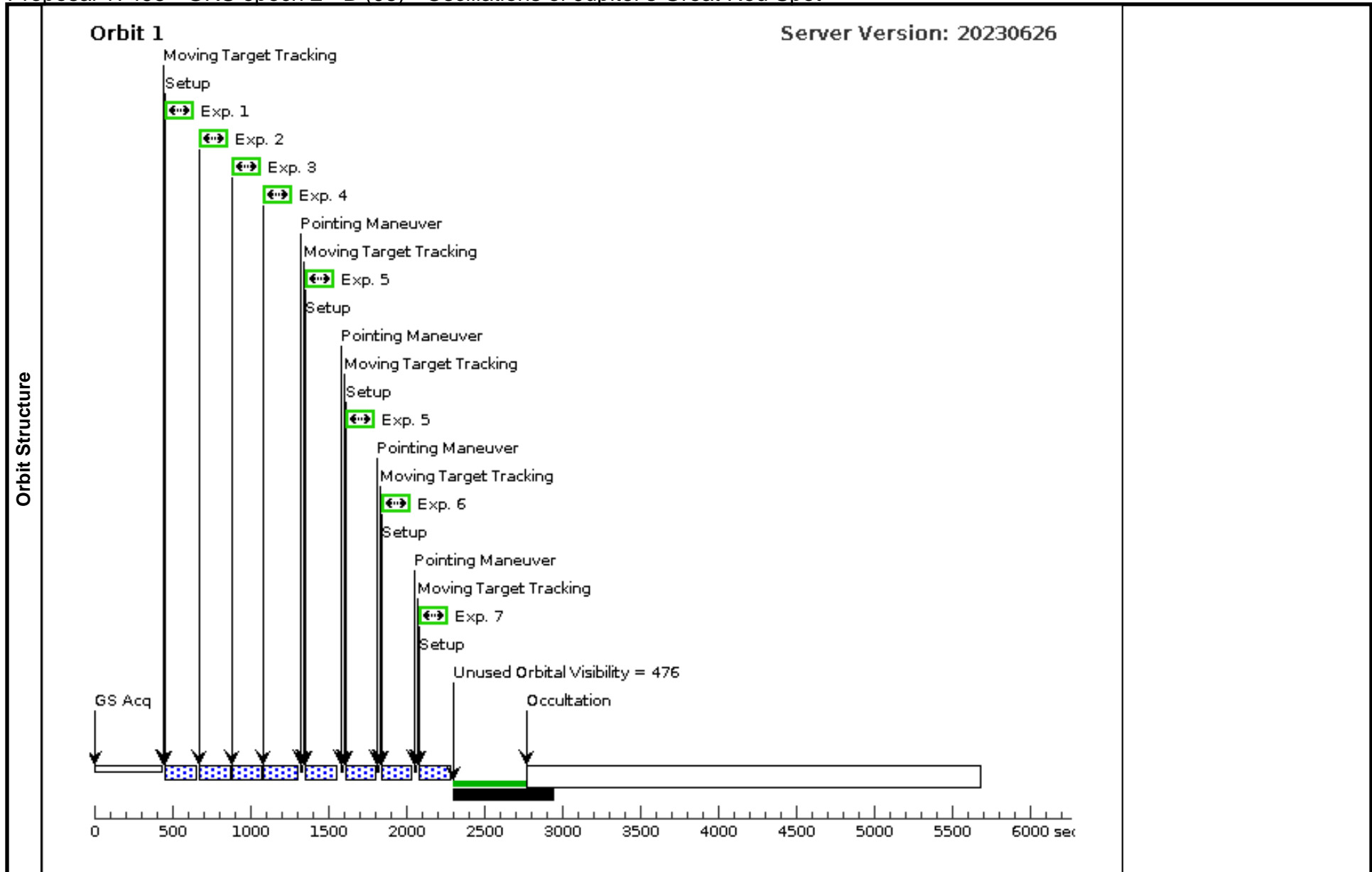
Proposal 17495 - GRS epoch 2 - B (06) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:37 GMT 2024

Visit	<p>Proposal 17495, GRS epoch 2 - B (06), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: Period 9.92842114 H AND ZERO-PHASE HJD2460279.740451; GROUP 06,04,05 WITHIN 15H</p> <p><i>Comments: B one Jupiter rotation before or after A1+A2</i></p>						
	Diagnostics	<p>(F631N - quad A (06.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F502N - quad A (06.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F395N - quad A (06.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W - quad A (06.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (06.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (06.005)) 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.</p> <p>(FQ727N - quad D (06.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ727N - quad D (06.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant.</p> <p>(F631N - quad D (06.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(GRS epoch 2 - B (06)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>					
Patterns		#	Primary Pattern	Secondary Pattern	Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(5)		
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	JUPITER	STD=JUPITER				NOT ECL P PARTIAL OF JUPITER BY IO FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY EUROPA FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY GANYMEDE FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER IO FROM EARTH GT 1", SEP OF JUPITER EUROPA FROM EARTH GT 1", SEP OF JUPITER GANYMEDE FROM EARTH GT 1", SEP OF JUPITER CALLISTO FROM EARTH GT 1"
<p><i>Comments: Description=Jupiter GRS</i></p>							

Proposal 17495 - GRS epoch 2 - B (06) - Oscillations of Jupiter's Great Red Spot

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A	POS TARG +22.3,-2 6.92; PHASE 0.063888889 TO 0.194543399	Sequence 1-7 Non-Int in GRS epoch 2 - B (06)	4 Secs (4 Secs) [==>]	[1]
	2	F502N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N		POS TARG +22.3,-2 6.92	Sequence 1-7 Non-Int in GRS epoch 2 - B (06)	4 Secs (4 Secs) [==>]	[1]
	3	F395N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N		POS TARG +22.3,-2 6.92	Sequence 1-7 Non-Int in GRS epoch 2 - B (06)	9 Secs (9 Secs) [==>]	[1]
	4	F275W - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W		POS TARG +22.3,-2 6.92	Sequence 1-7 Non-Int in GRS epoch 2 - B (06)	20 Secs (20 Secs) [==>]	[1]
	5	FQ889N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +2.3,-2 92	Sequence 1-7 Non-Int in GRS epoch 2 - B (06) Pattern 1, Exps 5-5 in Sequence 1-7 Non-Int in GRS epoch 2 - B (06) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N		POS TARG -7.3,+7.65	Sequence 1-7 Non-Int in GRS epoch 2 - B (06)	8 Secs (8 Secs) [==>]	[1]
	7	F631N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A	POS TARG -23.3,+2 4.65	Sequence 1-7 Non-Int in GRS epoch 2 - B (06)	4 Secs (4 Secs) [==>]	[1]



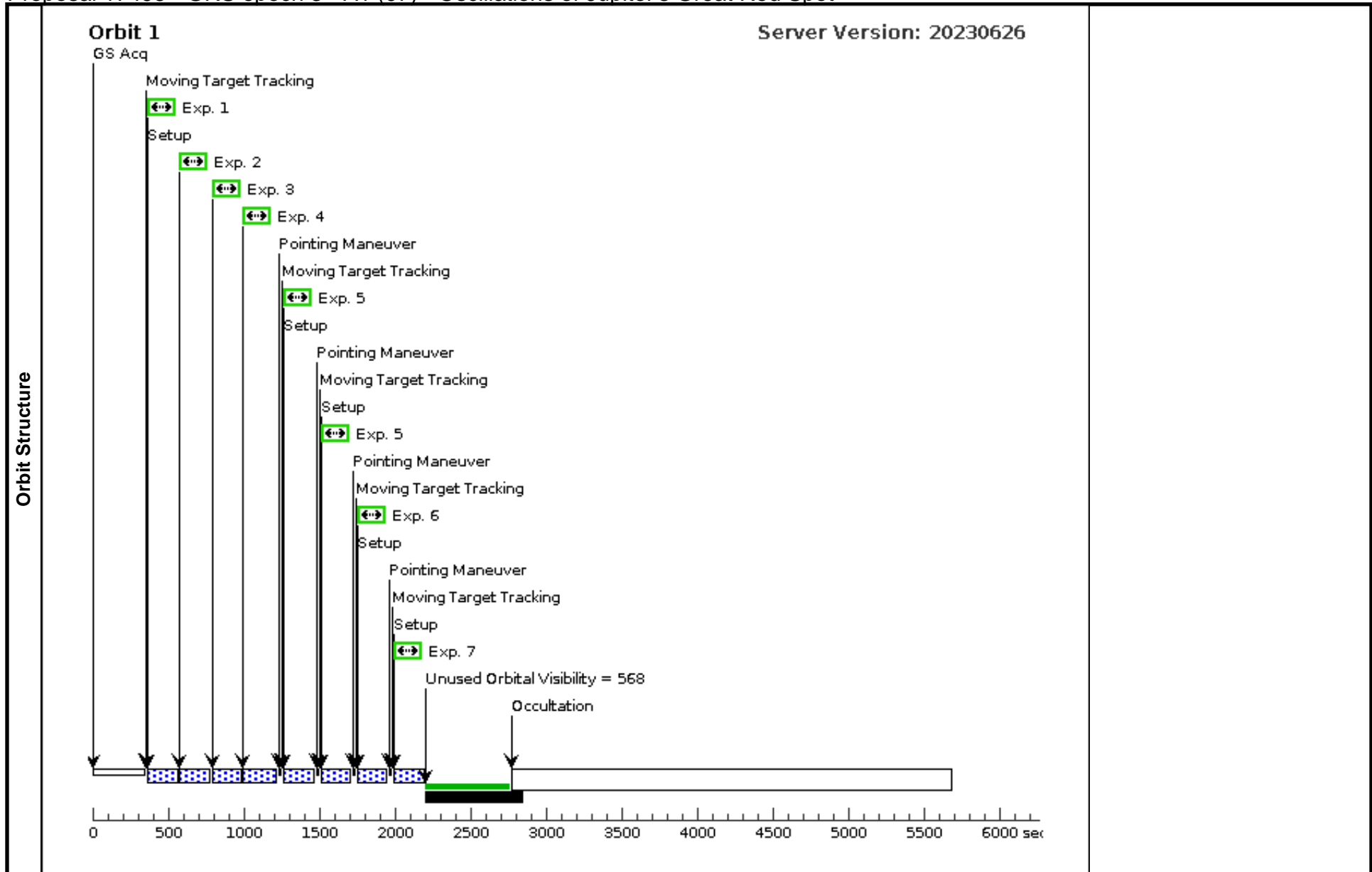
Proposal 17495 - GRS epoch 3 - A1 (07) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:37 GMT 2024

Visit	Proposal 17495, GRS epoch 3 - A1 (07), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 28-DEC-2023:00:00:00 AND 03-JAN-2024:00:00:00; Period 9.92842114 H AND ZERO-PHASE HJD2460279.740451 <i>Comments: Epoch 3: Dec 31 +/- 3 days</i>																
	Diagnosics (F631N - quad A (07.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N - quad A (07.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N - quad A (07.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - quad A (07.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (07.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (07.005)) 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. (FQ727N - quad D (07.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N - quad D (07.006)) Warning (Form): POS TARG & PATTERN should be used carefully with WFC3 quad filters to avoid placing the target on the vignetted part of the field of view or moving it to another quadrant. (F631N - quad D (07.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (GRS epoch 3 - A1 (07)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.																
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#	Name	Level 1	Level 2	Level 3	Window	Ephem Center											
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Solar System Targets	<i>Comments: Description=Jupiter GRS</i>																

Proposal 17495 - GRS epoch 3 - A1 (07) - Oscillations of Jupiter's Great Red Spot

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A	POS TARG +23.23,-28.01; PHASE 0 TO 0.258432288; GS ACQ SCENARIO ONEBIBE	Sequence 1-7 Non-Int in GRS epoch 3 - A1 (07)	4 Secs (4 Secs) [==>]	[1]
	2	F502N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N		POS TARG +23.23,-28.01	Sequence 1-7 Non-Int in GRS epoch 3 - A1 (07)	4 Secs (4 Secs) [==>]	[1]
	3	F395N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N		POS TARG +23.23,-28.01	Sequence 1-7 Non-Int in GRS epoch 3 - A1 (07)	9 Secs (9 Secs) [==>]	[1]
	4	F275W - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W		POS TARG +23.23,-28.01	Sequence 1-7 Non-Int in GRS epoch 3 - A1 (07)	20 Secs (20 Secs) [==>]	[1]
	5	FQ889N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +3.23,-4.01	Sequence 1-7 Non-Int in GRS epoch 3 - A1 (07) Pattern 1, Exps 5-5 in Sequence 1-7 Non-Int in GRS epoch 3 - A1 (07) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N		POS TARG -7.3,+7.65	Sequence 1-7 Non-Int in GRS epoch 3 - A1 (07)	8 Secs (8 Secs) [==>]	[1]
	7	F631N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A	POS TARG -24.24,+25.75	Sequence 1-7 Non-Int in GRS epoch 3 - A1 (07)	4 Secs (4 Secs) [==>]	[1]



Proposal 17495 - GRS epoch 8 - B (08) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:37 GMT 2024

Visit	Proposal 17495, GRS epoch 8 - B (08), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 04-MAR-2024:00:00:00 AND 11-MAR-2024:00:00:00; Period 9.929071494 H AND ZERO-PHASE HJD2460321.549653 Comments: Epoch 8: 7 Mar B one Jupiter rotation before or after A																			
	(F631N - 1K quad C (08.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - 1K quad C (08.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (08.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (08.003)) 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. (F395N - 1K quad C (08.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N - 1K quad C (08.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N - 1K quad C (08.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N - 1K quad C (08.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - 1K quad C (08.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N - 1K quad C (08.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N - 1K quad C (08.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (08.011)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (08.011)) 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. (F631N - 1K quad C (08.012)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (GRS epoch 8 - B (08)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.																			
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(2)	JUPITER-MOONS-CLOSE	STD=JUPITER				EARTH														
Comments: Description=Jupiter GRS																				

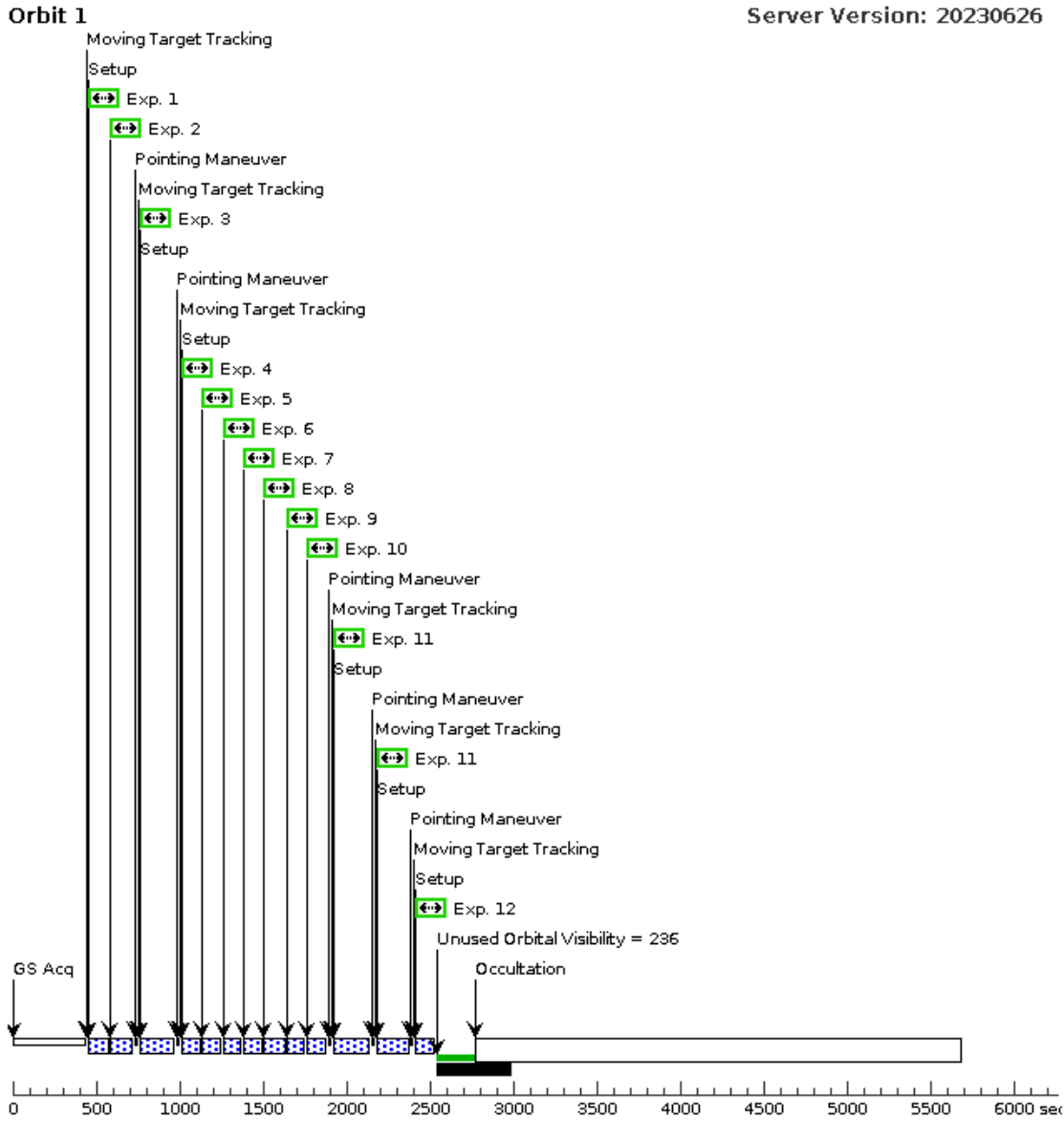
Proposal 17495 - GRS epoch 8 - B (08) - Oscillations of Jupiter's Great Red Spot

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A	PHASE 0 TO 0.1517 22176	Sequence 1-12 Non-Int in GRS epoch 8 - B (08)	4 Secs (4 Secs) [==>]	[1]
	2	F275W - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W			Sequence 1-12 Non-Int in GRS epoch 8 - B (08)	20 Secs (20 Secs) [==>]	[1]
	3	FQ889N - quad A	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +6.9,-8.3	Sequence 1-12 Non-Int in GRS epoch 8 - B (08)	20 Secs (20 Secs) [==>]	[1]
	4	F395N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F395N			Sequence 1-12 Non-Int in GRS epoch 8 - B (08)	9 Secs (9 Secs) [==>]	[1]
	5	F502N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F502N			Sequence 1-12 Non-Int in GRS epoch 8 - B (08)	4 Secs (4 Secs) [==>]	[1]
	6	F395N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F395N			Sequence 1-12 Non-Int in GRS epoch 8 - B (08)	9 Secs (9 Secs) [==>]	[1]
	7	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A		Sequence 1-12 Non-Int in GRS epoch 8 - B (08)	4 Secs (4 Secs) [==>]	[1]
	8	F275W - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F275W			Sequence 1-12 Non-Int in GRS epoch 8 - B (08)	20 Secs (20 Secs) [==>]	[1]
	9	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A		Sequence 1-12 Non-Int in GRS epoch 8 - B (08)	4 Secs (4 Secs) [==>]	[1]
	10	F395N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F395N			Sequence 1-12 Non-Int in GRS epoch 8 - B (08)	9 Secs (9 Secs) [==>]	[1]
	11	FQ889N - quad A	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +6.9,-8.3	Sequence 1-12 Non-Int in GRS epoch 8 - B (08) Pattern 1, Exps 11-11 in Sequence 1-12 Non-Int in GRS epoch 8 - B (08) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
12	F631N - 1K quad C	(2) JUPITER-MOO NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-M1K1C-SUB	F631N	BLADE=A		Sequence 1-12 Non-Int in GRS epoch 8 - B (08)	4 Secs (4 Secs) [==>]	[1]	

Proposal 17495 - GRS epoch 8 - B (08) - Oscillations of Jupiter's Great Red Spot

Orbit Structure

Server Version: 20230626



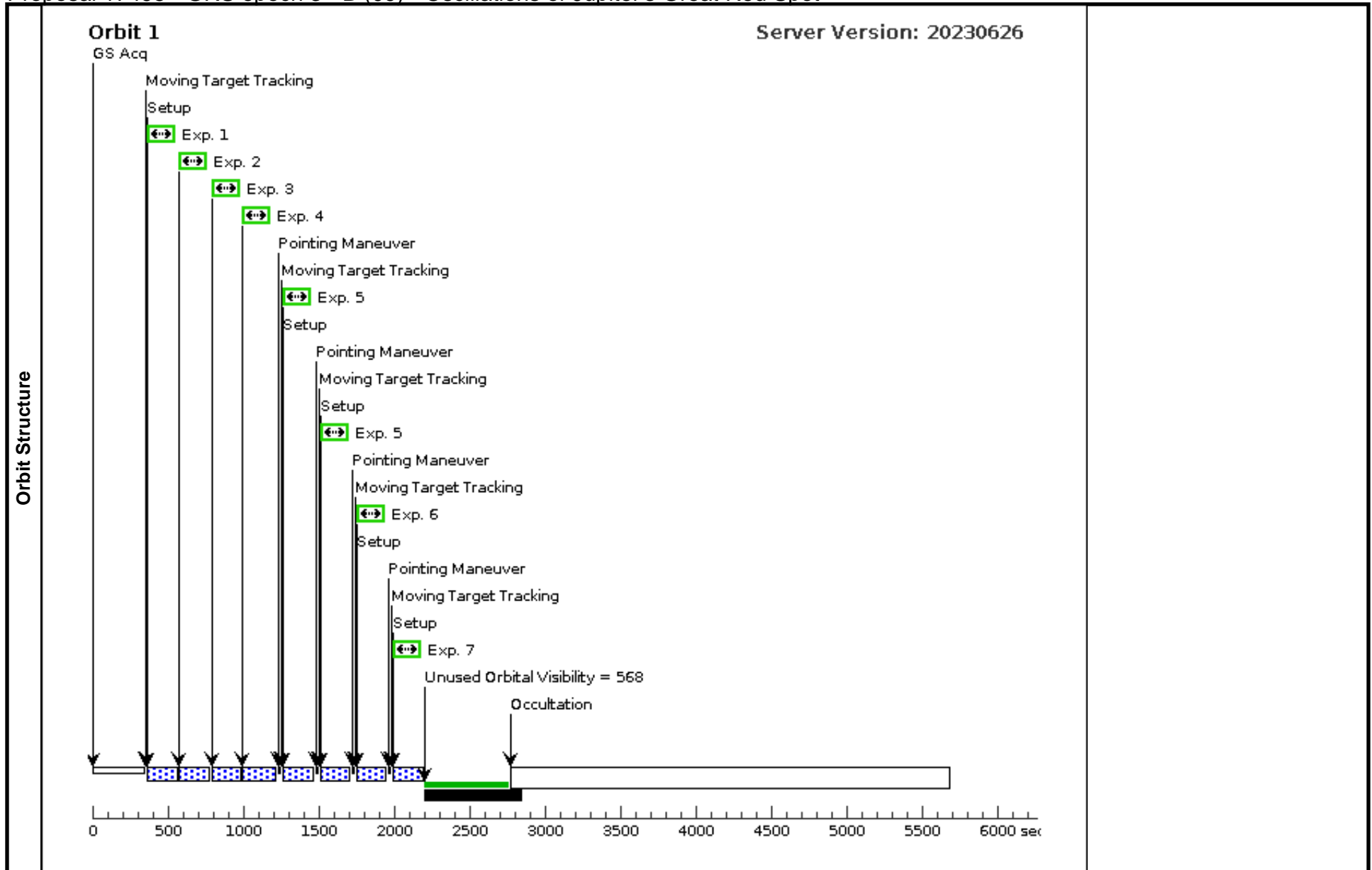
Proposal 17495 - GRS epoch 3 - B (09) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:37 GMT 2024

Visit	Proposal 17495, GRS epoch 3 - B (09), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: Period 9.92842114 H AND ZERO-PHASE HJD2460279.740451; GROUP 09,07 WITHIN 15H <i>Comments: B one Jupiter rotation before or after A1+A2</i>						
	Diagnostics	(F631N - quad A (09.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F502N - quad A (09.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F395N - quad A (09.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - quad A (09.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (09.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (09.005)) 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. (FQ727N - quad D (09.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N - quad D (09.006)) 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 - quad D (09.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (GRS epoch 3 - B (09)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.					
Patterns		#	Primary Pattern	Secondary Pattern	Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(5)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	JUPITER-MOONS-CLOSE	STD=JUPITER				EARTH
<i>Comments: Description=Jupiter GRS</i>							

Proposal 17495 - GRS epoch 3 - B (09) - Oscillations of Jupiter's Great Red Spot

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - quad A	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A	POS TARG +23.23,-28.01; PHASE 0.063888889 TO 0.194543399; GS ACQ SCENARIO ONEBIBE	Sequence 1-7 Non-Int in GRS epoch 3 - B (09)	4 Secs (4 Secs) [==>]	[1]
	2	F502N - quad A	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N		POS TARG +23.23,-28.01	Sequence 1-7 Non-Int in GRS epoch 3 - B (09)	4 Secs (4 Secs) [==>]	[1]
	3	F395N - quad A	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N		POS TARG +23.23,-28.01	Sequence 1-7 Non-Int in GRS epoch 3 - B (09)	9 Secs (9 Secs) [==>]	[1]
	4	F275W - quad A	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W		POS TARG +23.23,-28.01	Sequence 1-7 Non-Int in GRS epoch 3 - B (09)	20 Secs (20 Secs) [==>]	[1]
	5	FQ889N - quad A	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +3.23,-4.01	Sequence 1-7 Non-Int in GRS epoch 3 - B (09) Pattern 1, Exps 5-5 in Sequence 1-7 Non-Int in GRS epoch 3 - B (09) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N - quad D	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N		POS TARG -7.3,+7.65	Sequence 1-7 Non-Int in GRS epoch 3 - B (09)	8 Secs (8 Secs) [==>]	[1]
	7	F631N - quad D	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A	POS TARG -24.24,+25.75	Sequence 1-7 Non-Int in GRS epoch 3 - B (09)	4 Secs (4 Secs) [==>]	[1]



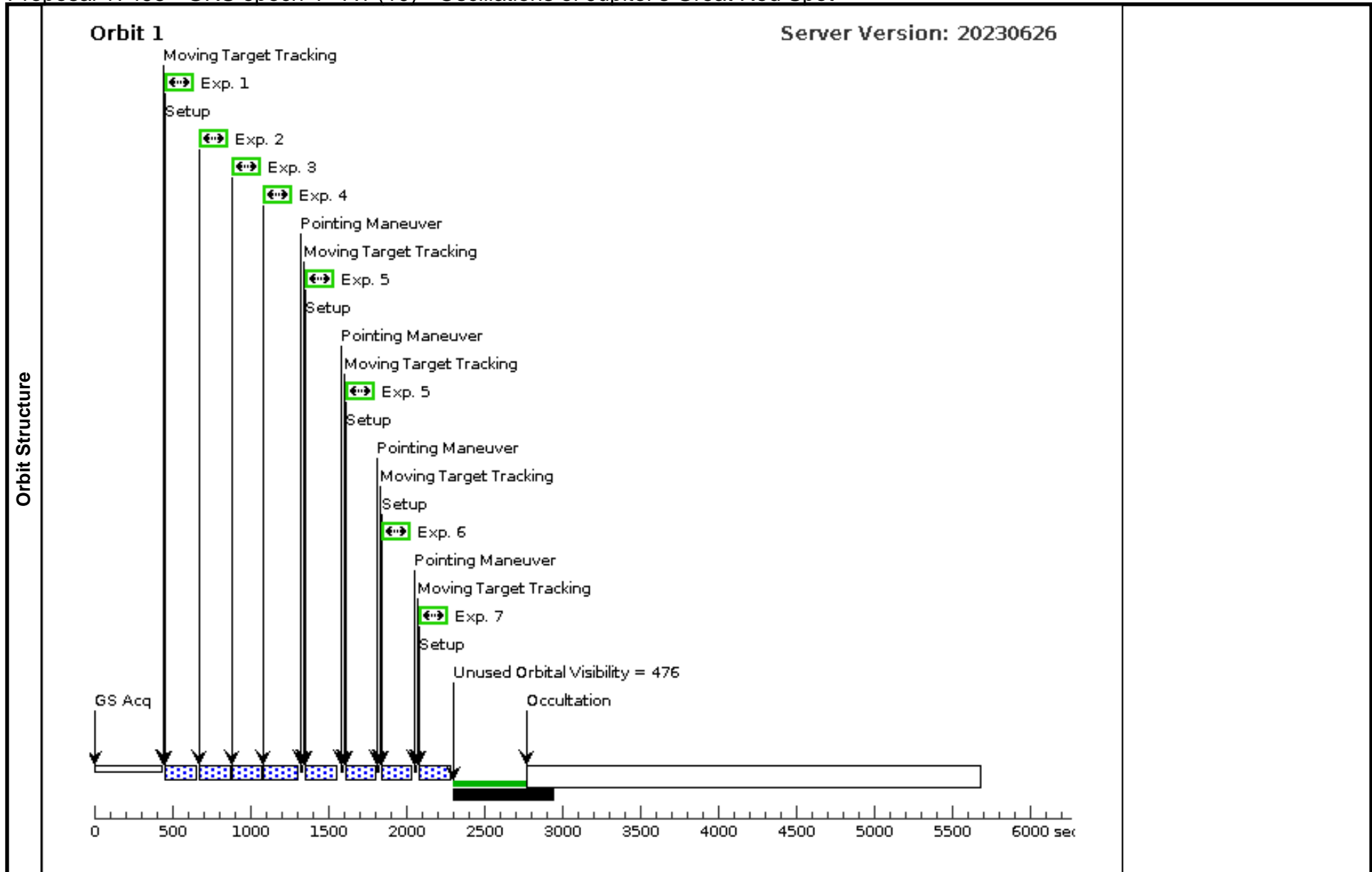
Proposal 17495 - GRS epoch 4 - A1 (10) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:37 GMT 2024

Visit	Proposal 17495, GRS epoch 4 - A1 (10), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 12-JAN-2024 AND 18-JAN-2024; Period 9.92842114 H AND ZERO-PHASE HJD2460279.740451 <i>Comments: Epoch 4: Jan 15 +/- 3 days</i>																
	Diagnosics (F631N - quad A (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 - quad A (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 - quad A (10.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - quad A (10.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (10.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (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. (FQ727N - quad D (10.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N - quad D (10.006)) 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 - quad D (10.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (GRS epoch 4 - A1 (10)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.																
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#	Name	Level 1	Level 2	Level 3	Window	Ephem Center											
(1)	JUPITER	STD=JUPITER			NOT ECL P PARTIAL OF JUPITER BY IO FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY EUROPA FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY GANYMEDE FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER IO FROM EARTH GT 1", SEP OF JUPITER EUROPA FROM EARTH GT 1", SEP OF JUPITER GANYMEDE FROM EARTH GT 1", SEP OF JUPITER CALLISTO FROM EARTH GT 1"	EARTH											
<i>Comments: Description=Jupiter GRS</i>																	

Proposal 17495 - GRS epoch 4 - A1 (10) - Oscillations of Jupiter's Great Red Spot

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A	POS TARG +24.19,-29.14; PHASE 0 TO 0.2584 32288	Sequence 1-7 Non-Int in GRS epoch 4 - A1 (10)	4 Secs (4 Secs) [==>]	[1]
	2	F502N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N		POS TARG +24.19,-29.14	Sequence 1-7 Non-Int in GRS epoch 4 - A1 (10)	4 Secs (4 Secs) [==>]	[1]
	3	F395N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N		POS TARG +24.19,-29.14	Sequence 1-7 Non-Int in GRS epoch 4 - A1 (10)	9 Secs (9 Secs) [==>]	[1]
	4	F275W - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W		POS TARG +24.19,-29.14	Sequence 1-7 Non-Int in GRS epoch 4 - A1 (10)	20 Secs (20 Secs) [==>]	[1]
	5	FQ889N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +4.19,-5.14	Sequence 1-7 Non-Int in GRS epoch 4 - A1 (10) Pattern 1, Exps 5-5 in Sequence 1-7 Non-Int in GRS epoch 4 - A1 (10) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N		POS TARG -9.21,+9.89	Sequence 1-7 Non-Int in GRS epoch 4 - A1 (10)	8 Secs (8 Secs) [==>]	[1]
	7	F631N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A	POS TARG -25.21,+26.89	Sequence 1-7 Non-Int in GRS epoch 4 - A1 (10)	4 Secs (4 Secs) [==>]	[1]



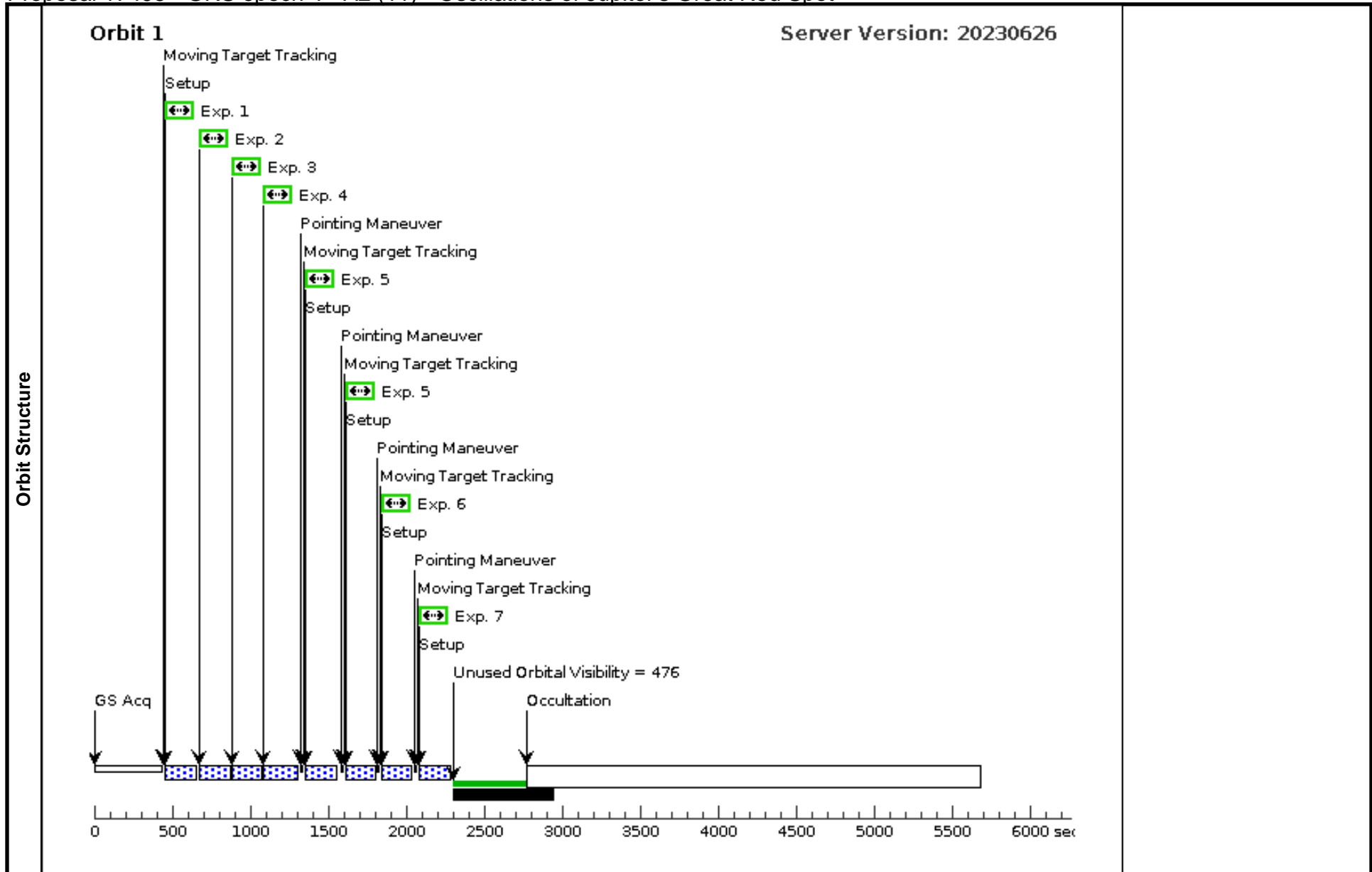
Proposal 17495 - GRS epoch 4 - A2 (11) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:37 GMT 2024

Visit	Proposal 17495, GRS epoch 4 - A2 (11), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: Period 9.92842114 H AND ZERO-PHASE HJD2460279.740451; GROUP 11,10 WITHIN 1.2 Orbits <i>Comments: A1 and A2 consecutive</i>																
	Diagnosics (F631N - quad A (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 - quad A (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 - quad A (11.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - quad A (11.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (11.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (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. (FQ727N - quad D (11.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N - quad D (11.006)) 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 - quad D (11.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (GRS epoch 4 - A2 (11)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.																
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#	Name	Level 1	Level 2	Level 3	Window	Ephem Center											
(1)	JUPITER	STD=JUPITER			NOT ECL P PARTIAL OF JUPITER BY IO FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY EUROPA FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY GANYMEDE FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER IO FROM EARTH GT 1", SEP OF JUPITER EUROPA FROM EARTH GT 1", SEP OF JUPITER GANYMEDE FROM EARTH GT 1", SEP OF JUPITER CALLISTO FROM EARTH GT 1"	EARTH											
<i>Comments: Description=Jupiter GRS</i>																	

Proposal 17495 - GRS epoch 4 - A2 (11) - Oscillations of Jupiter's Great Red Spot

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A	POS TARG +24.19,-29.14; PHASE 0 TO 0.2584 32288	Sequence 1-7 Non-Int in GRS epoch 4 - A2 (11)	4 Secs (4 Secs) [==>]	[1]
	2	F502N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N		POS TARG +24.19,-29.14	Sequence 1-7 Non-Int in GRS epoch 4 - A2 (11)	4 Secs (4 Secs) [==>]	[1]
	3	F395N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N		POS TARG +24.19,-29.14	Sequence 1-7 Non-Int in GRS epoch 4 - A2 (11)	9 Secs (9 Secs) [==>]	[1]
	4	F275W - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W		POS TARG +24.19,-29.14	Sequence 1-7 Non-Int in GRS epoch 4 - A2 (11)	20 Secs (20 Secs) [==>]	[1]
	5	FQ889N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +4.19,-5.14	Sequence 1-7 Non-Int in GRS epoch 4 - A2 (11) Pattern 1, Exps 5-5 in Sequence 1-7 Non-Int in GRS epoch 4 - A2 (11) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N		POS TARG -9.21,+9.89	Sequence 1-7 Non-Int in GRS epoch 4 - A2 (11)	8 Secs (8 Secs) [==>]	[1]
	7	F631N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A	POS TARG -25.21,+26.89	Sequence 1-7 Non-Int in GRS epoch 4 - A2 (11)	4 Secs (4 Secs) [==>]	[1]



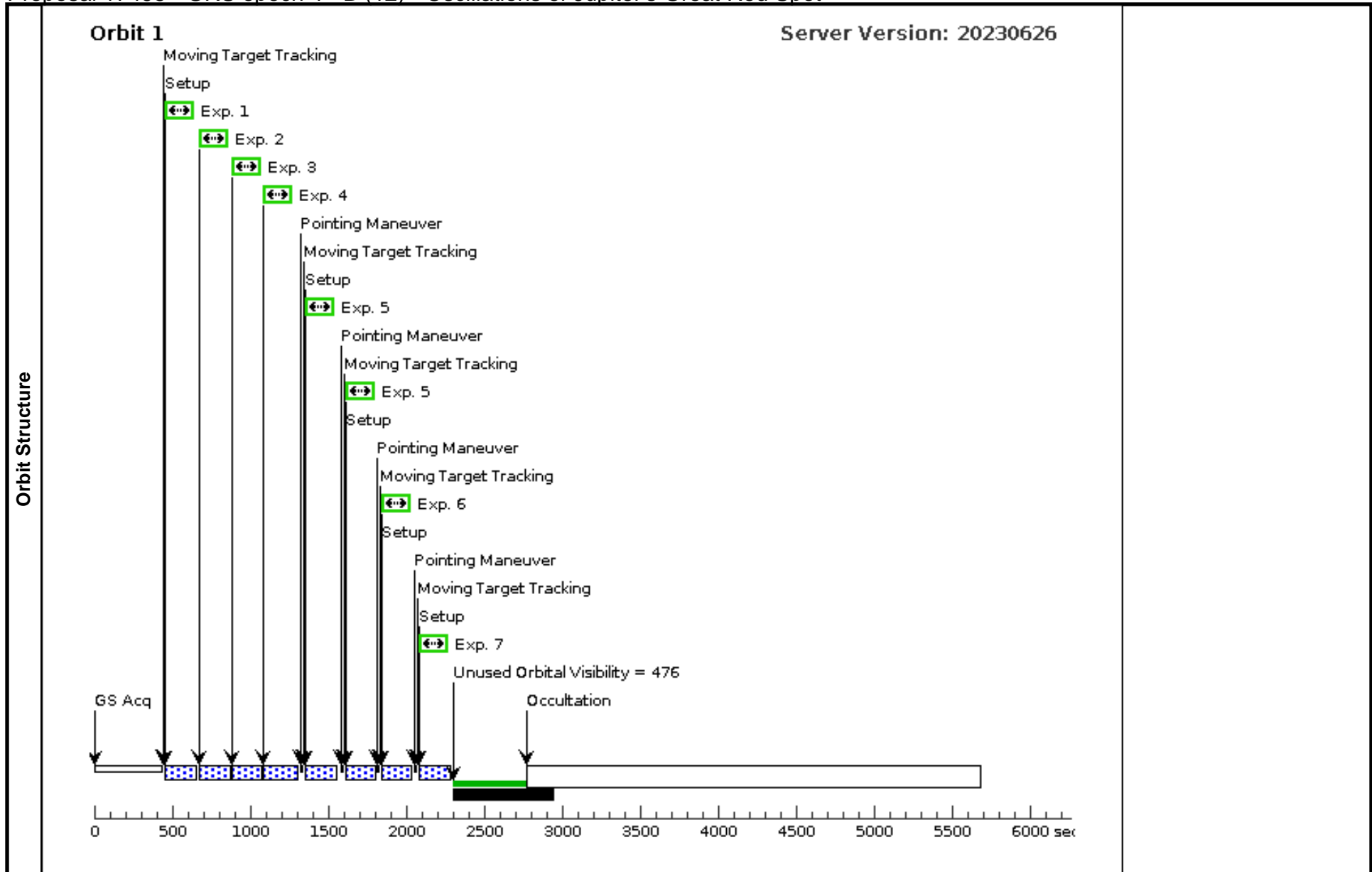
Proposal 17495 - GRS epoch 4 - B (12) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:37 GMT 2024

Visit	Proposal 17495, GRS epoch 4 - B (12), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: Period 9.92842114 H AND ZERO-PHASE HJD2460279.740451; GROUP 12,10,11 WITHIN 15H <i>Comments: B one Jupiter rotation before or after A1+A2</i>						
	Diagnostics	(F631N - quad A (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 - quad A (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 - quad A (12.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - quad A (12.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (12.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (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. (FQ727N - quad D (12.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N - quad D (12.006)) 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 - quad D (12.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (GRS epoch 4 - B (12)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.					
Patterns		#	Primary Pattern	Secondary Pattern	Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(5)		
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	JUPITER	STD=JUPITER				NOT ECL P PARTIAL OF JUPITER BY IO FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY EUROPA FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY GANYMEDE FROM EARTH, NOT ECL P PARTIAL OF JUPITER BY CALLISTO FROM EARTH, SEP OF JUPITER IO FROM EARTH GT 1", SEP OF JUPITER EUROPA FROM EARTH GT 1", SEP OF JUPITER GANYMEDE FROM EARTH GT 1", SEP OF JUPITER CALLISTO FROM EARTH GT 1"
<i>Comments: Description=Jupiter GRS</i>							

Proposal 17495 - GRS epoch 4 - B (12) - Oscillations of Jupiter's Great Red Spot

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A	POS TARG +24.19,-29.14; PHASE 0.063888889 TO 0.194543399	Sequence 1-7 Non-Int in GRS epoch 4 - B (12)	4 Secs (4 Secs) [==>]	[1]
	2	F502N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N		POS TARG +24.19,-29.14	Sequence 1-7 Non-Int in GRS epoch 4 - B (12)	4 Secs (4 Secs) [==>]	[1]
	3	F395N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N		POS TARG +24.19,-29.14	Sequence 1-7 Non-Int in GRS epoch 4 - B (12)	9 Secs (9 Secs) [==>]	[1]
	4	F275W - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W		POS TARG +24.19,-29.14	Sequence 1-7 Non-Int in GRS epoch 4 - B (12)	20 Secs (20 Secs) [==>]	[1]
	5	FQ889N - quad A	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +4.19,-5.14	Sequence 1-7 Non-Int in GRS epoch 4 - B (12) Pattern 1, Exps 5-5 in Sequence 1-7 Non-Int in GRS epoch 4 - B (12) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N		POS TARG -9.21,+9.89	Sequence 1-7 Non-Int in GRS epoch 4 - B (12)	8 Secs (8 Secs) [==>]	[1]
	7	F631N - quad D	(1) JUPITER	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A	POS TARG -25.21,+26.89	Sequence 1-7 Non-Int in GRS epoch 4 - B (12)	4 Secs (4 Secs) [==>]	[1]



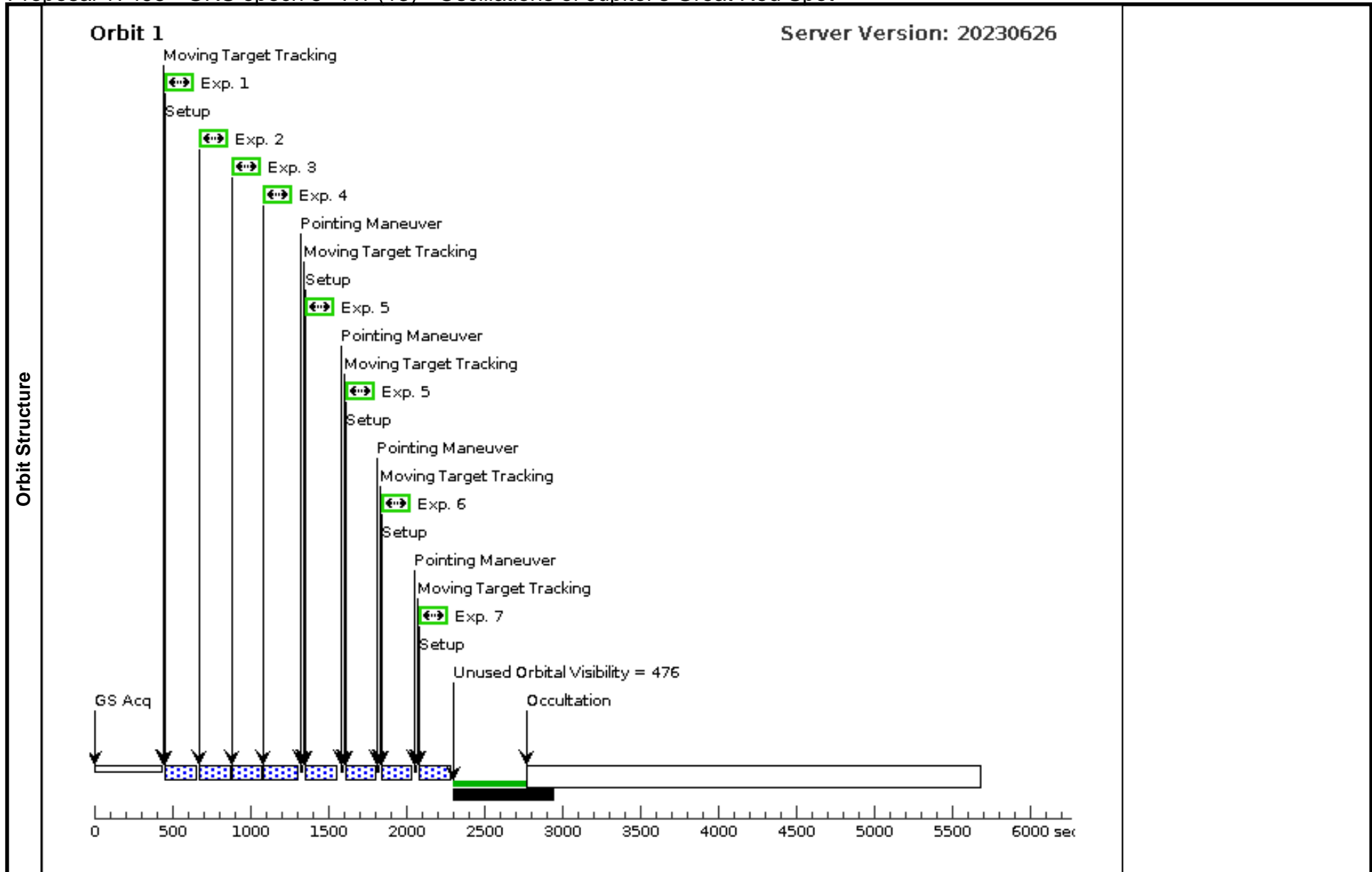
Proposal 17495 - GRS epoch 5 - A1 (13) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:38 GMT 2024

Visit	Proposal 17495, GRS epoch 5 - A1 (13), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 27-JAN-2024:00:00:00 AND 02-FEB-2024:00:00:00; Period 9.92842114 H AND ZERO-PHASE HJD2460279.740451 <i>Comments: Epoch 5: Jan 30 +/- 3 days</i>																			
	Diagnosics (F631N - quad A (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 - quad A (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 - quad A (13.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - quad A (13.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (13.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (13.005)) 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. (FQ727N - quad D (13.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N - quad D (13.006)) 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 - quad D (13.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (GRS epoch 5 - A1 (13)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.																			
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	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center													
(2)	JUPITER-MOONS-CLOSE	STD=JUPITER				EARTH														
<i>Comments: Description=Jupiter GRS</i>																				

Proposal 17495 - GRS epoch 5 - A1 (13) - Oscillations of Jupiter's Great Red Spot

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - quad A	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A	POS TARG +25.11,-30.21; SAA CONTOUR 02; PHASE 0 TO 0.258432288	Sequence 1-7 Non-Int in GRS epoch 5 - A1 (13)	4 Secs (4 Secs) [==>]	[1]
	2	F502N - quad A	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N		POS TARG +25.11,-30.21; SAA CONTOUR 02	Sequence 1-7 Non-Int in GRS epoch 5 - A1 (13)	4 Secs (4 Secs) [==>]	[1]
	3	F395N - quad A	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N		POS TARG +25.11,-30.21; SAA CONTOUR 02	Sequence 1-7 Non-Int in GRS epoch 5 - A1 (13)	9 Secs (9 Secs) [==>]	[1]
	4	F275W - quad A	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W		POS TARG +25.11,-30.21; SAA CONTOUR 02	Sequence 1-7 Non-Int in GRS epoch 5 - A1 (13)	20 Secs (20 Secs) [==>]	[1]
	5	FQ889N - quad A	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +5.11,-6.21; SAA CONTOUR 02	Sequence 1-7 Non-Int in GRS epoch 5 - A1 (13) Pattern 1, Exps 5-5 in Sequence 1-7 Non-Int in GRS epoch 5 - A1 (13) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N - quad D	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N		POS TARG -10.14,+10.98; SAA CONTOUR 02	Sequence 1-7 Non-Int in GRS epoch 5 - A1 (13)	8 Secs (8 Secs) [==>]	[1]
	7	F631N - quad D	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A	POS TARG -26.14,+27.98; SAA CONTOUR 02	Sequence 1-7 Non-Int in GRS epoch 5 - A1 (13)	4 Secs (4 Secs) [==>]	[1]



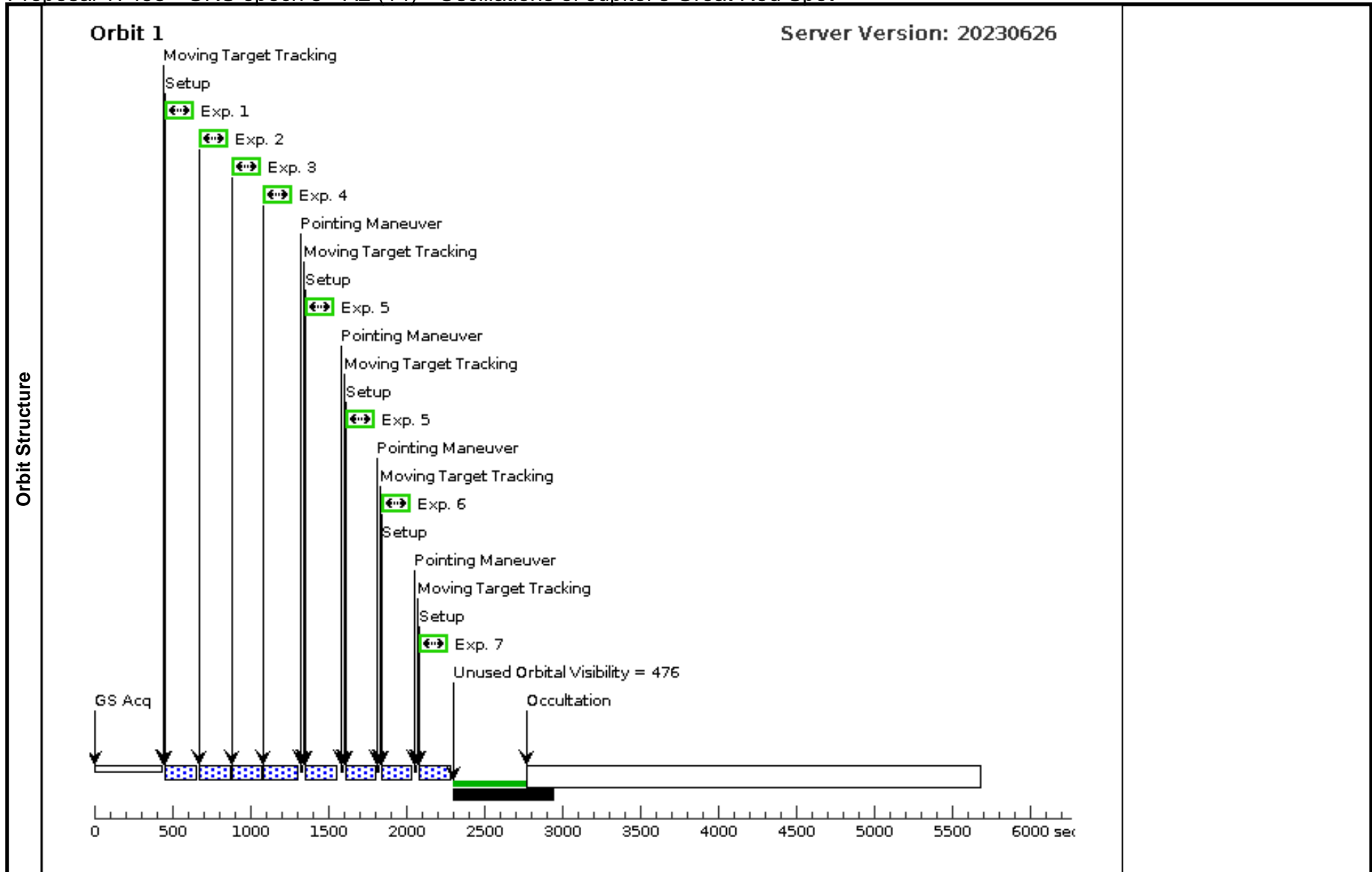
Proposal 17495 - GRS epoch 5 - A2 (14) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:38 GMT 2024

Visit	Proposal 17495, GRS epoch 5 - A2 (14), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: Period 9.92842114 H AND ZERO-PHASE HJD2460279.740451; GROUP 14,13 WITHIN 1.2 Orbits <i>Comments: A1 and A2 consecutive</i>						
	Diagnostics	(F631N - quad A (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 - quad A (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 - quad A (14.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - quad A (14.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (14.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (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. (FQ727N - quad D (14.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N - quad D (14.006)) 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 - quad D (14.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (GRS epoch 5 - A2 (14)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.					
Patterns		#	Primary Pattern	Secondary Pattern	Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(5)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	JUPITER-MOONS-CLOSE	STD=JUPITER				EARTH
<i>Comments: Description=Jupiter GRS</i>							

Proposal 17495 - GRS epoch 5 - A2 (14) - Oscillations of Jupiter's Great Red Spot

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - quad A	(2) JUPITER-MOON-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A	POS TARG +25.11,-30.21; SAA CONTOUR 02; PHASE 0 TO 0.258432288	Sequence 1-7 Non-Int in GRS epoch 5 - A2 (14)	4 Secs (4 Secs) [==>]	[1]
	2	F502N - quad A	(2) JUPITER-MOON-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N		POS TARG +25.11,-30.21; SAA CONTOUR 02	Sequence 1-7 Non-Int in GRS epoch 5 - A2 (14)	4 Secs (4 Secs) [==>]	[1]
	3	F395N - quad A	(2) JUPITER-MOON-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N		POS TARG +25.11,-30.21; SAA CONTOUR 02	Sequence 1-7 Non-Int in GRS epoch 5 - A2 (14)	9 Secs (9 Secs) [==>]	[1]
	4	F275W - quad A	(2) JUPITER-MOON-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W		POS TARG +25.11,-30.21; SAA CONTOUR 02	Sequence 1-7 Non-Int in GRS epoch 5 - A2 (14)	20 Secs (20 Secs) [==>]	[1]
	5	FQ889N - quad A	(2) JUPITER-MOON-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +5.11,-6.21; SAA CONTOUR 02	Sequence 1-7 Non-Int in GRS epoch 5 - A2 (14) Pattern 1, Exps 5-5 in Sequence 1-7 Non-Int in GRS epoch 5 - A2 (14) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	FQ727N - quad D	(2) JUPITER-MOON-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N		POS TARG -10.14,+10.98; SAA CONTOUR 02	Sequence 1-7 Non-Int in GRS epoch 5 - A2 (14)	8 Secs (8 Secs) [==>]	[1]
	7	F631N - quad D	(2) JUPITER-MOON-CLOSE	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A	POS TARG -26.14,+27.98; SAA CONTOUR 02	Sequence 1-7 Non-Int in GRS epoch 5 - A2 (14)	4 Secs (4 Secs) [==>]	[1]



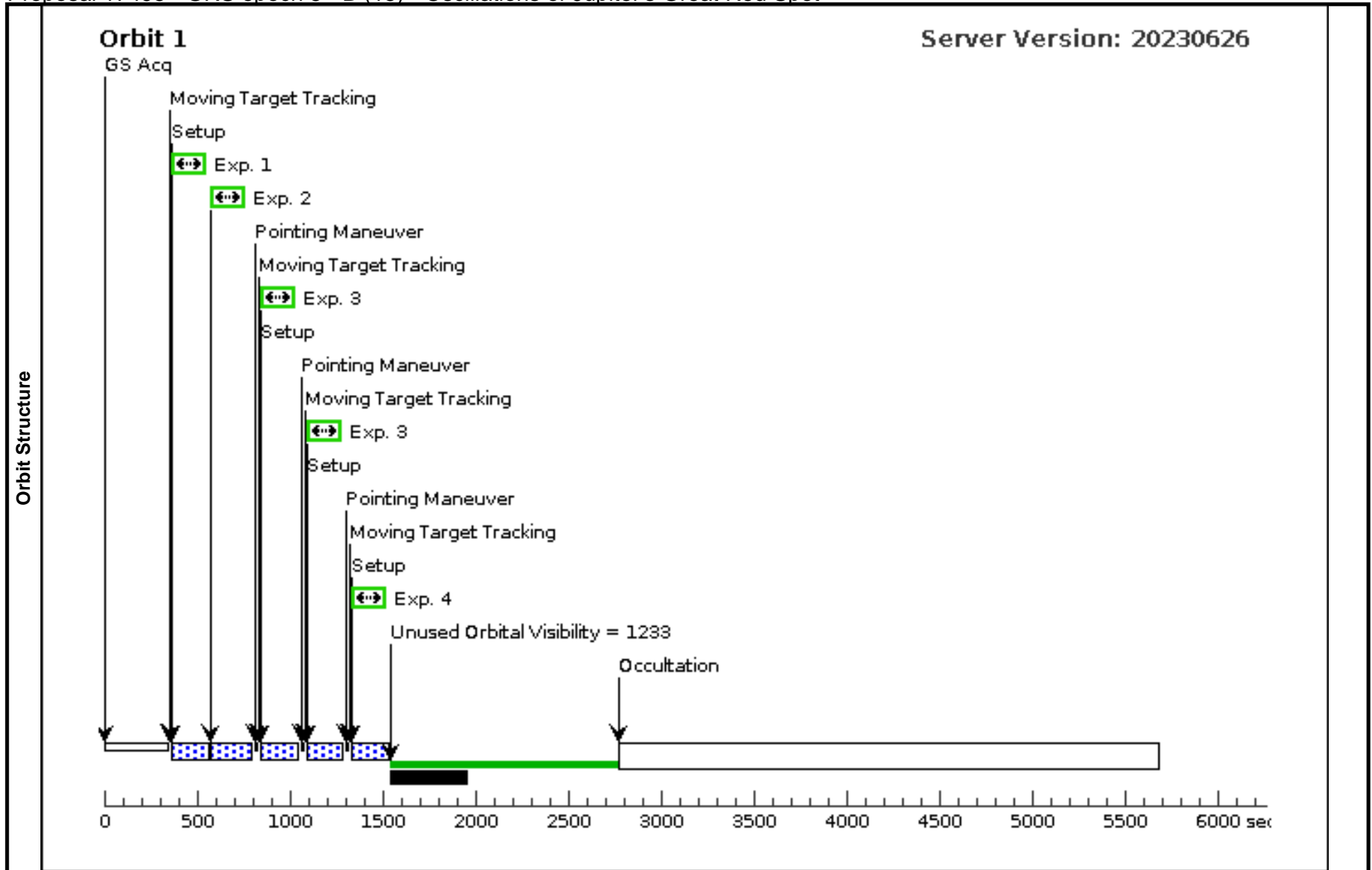
Proposal 17495 - GRS epoch 5 - B (15) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:38 GMT 2024

Visit	Proposal 17495, GRS epoch 5 - B (15), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: Period 9.92842114 H AND ZERO-PHASE HJD2460279.740451; GROUP 15,13,14 WITHIN 15H <i>Comments: B one Jupiter rotation before or after A1+A2</i>																
	Diagnosics (F631N - quad A (15.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - quad A (15.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (15.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (15.003)) 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 - quad D (15.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (GRS epoch 5 - B (15)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.																
Patterns	<table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td> Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing= </td> <td> Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td>(3)</td> </tr> </tbody> </table>	#	Primary Pattern	Secondary Pattern	Exposures	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(3)								
	#	Primary Pattern	Secondary Pattern	Exposures													
(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(3)														
<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>JUPITER-MOONS- CLOSE</td> <td>STD=JUPITER</td> <td></td> <td></td> <td></td> <td>EARTH</td> </tr> </tbody> </table> <i>Comments: Description=Jupiter GRS</i>				#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(2)	JUPITER-MOONS- CLOSE	STD=JUPITER				EARTH
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center											
(2)	JUPITER-MOONS- CLOSE	STD=JUPITER				EARTH											
Solar System Targets																	

Proposal 17495 - GRS epoch 5 - B (15) - Oscillations of Jupiter's Great Red Spot

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F631N - quad A	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A	POS TARG +25.11,-30.21; SAA CONTOUR 02; PHASE 0.063888889 TO 0.194543399; GS ACQ SCENARIO ONEBIBE	Sequence 1-4 Non-Int in GRS epoch 5 - B (15) [==>]	4 Secs (4 Secs) [1]
	2	F275W - quad A	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W		POS TARG +25.11,-30.21; SAA CONTOUR 02	Sequence 1-4 Non-Int in GRS epoch 5 - B (15) [==>]	20 Secs (20 Secs) [1]
	3	FQ889N - quad A	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N		POS TARG +5.11,-6.21; SAA CONTOUR 02	Sequence 1-4 Non-Int in GRS epoch 5 - B (15) Pattern 1, Exps 3-3 in Sequence 1-4 Non-Int in GRS epoch 5 - B (15) (1) [==>(Pattern 1)] [==>(Pattern 2)]	20 Secs (40 Secs) [1]
	4	F631N - quad D	(2) JUPITER-MOON NS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A	POS TARG -26.14,+27.98; SAA CONTOUR 02	Sequence 1-4 Non-Int in GRS epoch 5 - B (15) [==>]	4 Secs (4 Secs) [1]



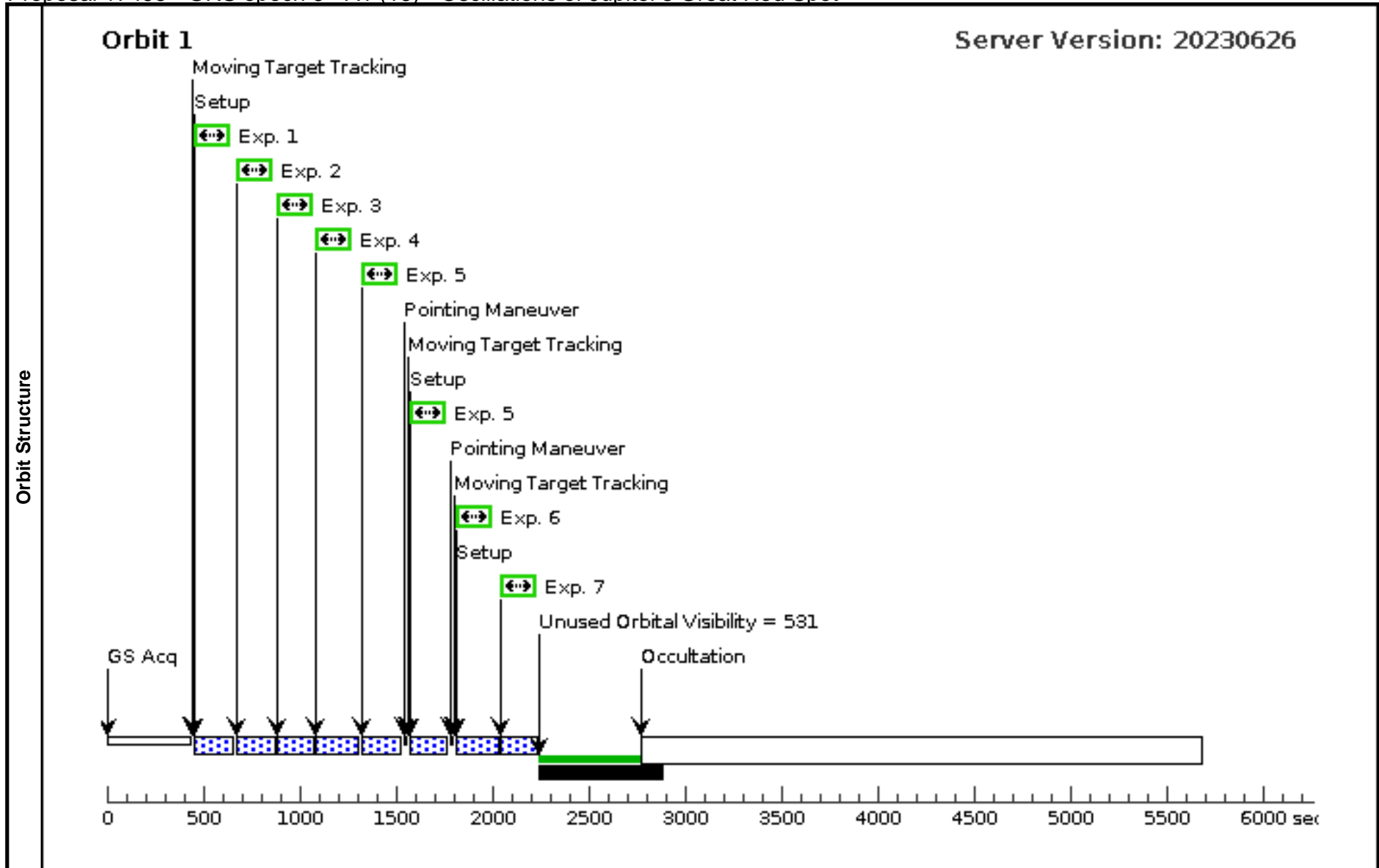
Proposal 17495 - GRS epoch 6 - A1 (16) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:38 GMT 2024

Visit	Proposal 17495, GRS epoch 6 - A1 (16), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 05-FEB-2024:00:00:00 AND 23-FEB-2024:00:00:00; Period 9.92842114 H AND ZERO-PHASE HJD2460279.740451 <i>Comments: Epoch 6: Feb 14 +/- 3 days</i>						
Diagnostics	(F631N - quad A (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 - quad A (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 - quad A (16.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - quad A (16.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (16.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ889N - quad A (16.005)) 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. (F275W - quad A (16.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N - quad A (16.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (GRS epoch 6 - A1 (16)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.						
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(5)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	JUPITER-MOONS- CLOSE	STD=JUPITER				EARTH
	<i>Comments: Description=Jupiter GRS</i>						

Proposal 17495 - GRS epoch 6 - A1 (16) - Oscillations of Jupiter's Great Red Spot

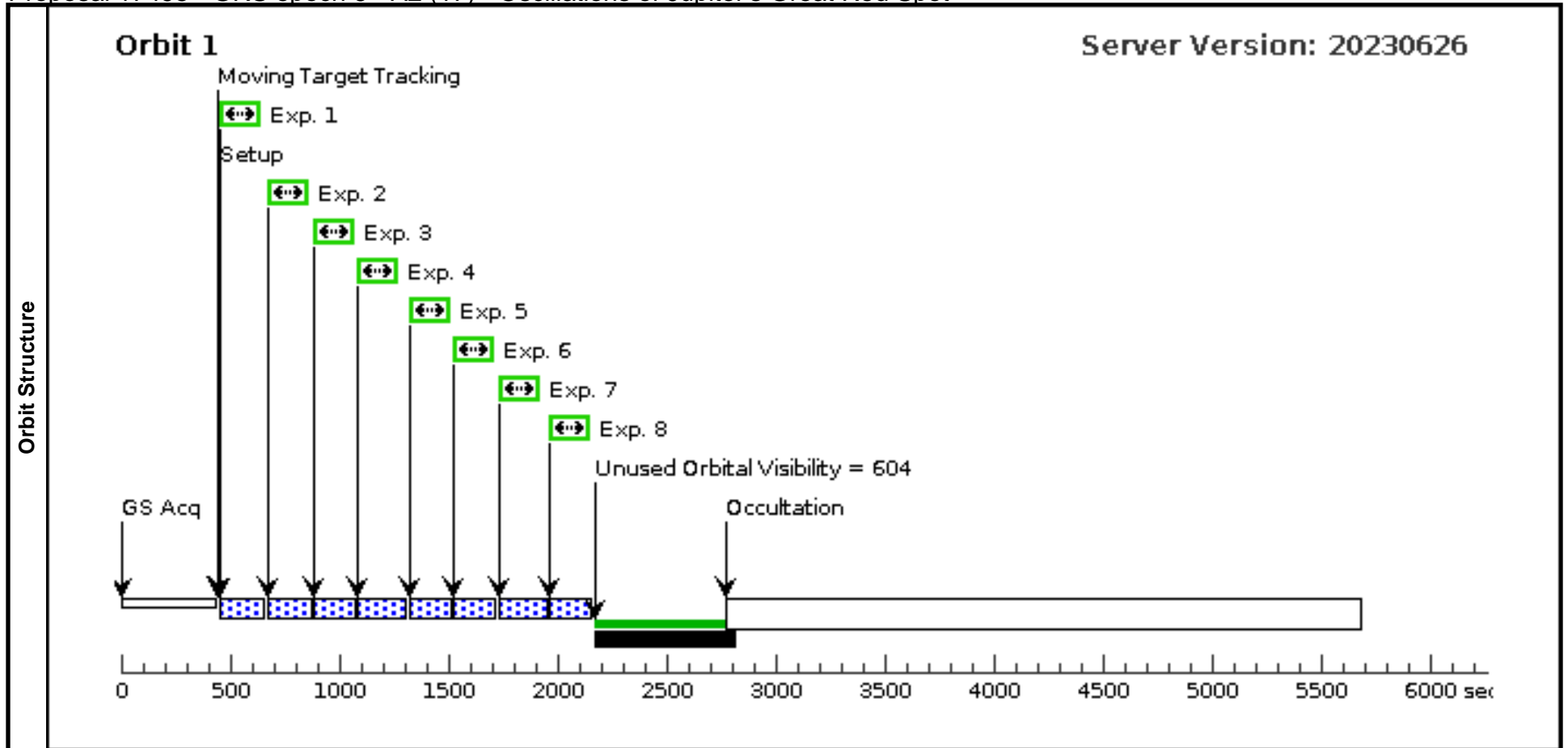
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A	PHASE 0 TO 0.258432288	Sequence 1-7 Non-Int in GRS epoch 6 - A1 (16)	4 Secs (4 Secs) [==>]	[1]
	2	F502N - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N			Sequence 1-7 Non-Int in GRS epoch 6 - A1 (16)	4 Secs (4 Secs) [==>]	[1]
	3	F395N - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N			Sequence 1-7 Non-Int in GRS epoch 6 - A1 (16)	9 Secs (9 Secs) [==>]	[1]
	4	F275W - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W			Sequence 1-7 Non-Int in GRS epoch 6 - A1 (16)	20 Secs (20 Secs) [==>]	[1]
	5	FQ889N - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N			Sequence 1-7 Non-Int in GRS epoch 6 - A1 (16) Pattern 1, Exps 5-5 in Sequence 1-7 Non-Int in GRS epoch 6 - A1 (16) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F275W - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W			Sequence 1-7 Non-Int in GRS epoch 6 - A1 (16)	20 Secs (20 Secs) [==>]	[1]
	7	F631N - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A		Sequence 1-7 Non-Int in GRS epoch 6 - A1 (16)	4 Secs (4 Secs) [==>]	[1]



Proposal 17495 - GRS epoch 6 - A2 (17) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:38 GMT 2024

Visit	Proposal 17495, GRS epoch 6 - A2 (17), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SEQ 16,17 WITHIN 1.2 Orbits <i>Comments: A1 and A2 consecutive</i>										
	Diagnostics	(F631N - quad D (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 - quad D (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 - quad D (17.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F275W - quad D (17.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N - quad D (17.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (FQ727N - quad D (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 - quad D (17.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (F631N - quad D (17.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (GRS epoch 6 - A2 (17)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
		(2)	JUPITER-MOONS-STD=JUPITER CLOSE					EARTH			
<i>Comments: Description=Jupiter GRS</i>											
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	F631N - quad D	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A		Sequence 1-8 Non-Int in GRS epoch 6 - A2 (17)	4 Secs (4 Secs) [==>]	[1]
		2	F502N - quad D	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F502N			Sequence 1-8 Non-Int in GRS epoch 6 - A2 (17)	4 Secs (4 Secs) [==>]	[1]
		3	F395N - quad D	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F395N			Sequence 1-8 Non-Int in GRS epoch 6 - A2 (17)	9 Secs (9 Secs) [==>]	[1]
	4	F275W - quad D	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F275W			Sequence 1-8 Non-Int in GRS epoch 6 - A2 (17)	20 Secs (20 Secs) [==>]	[1]	
	5	F631N - quad D	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A		Sequence 1-8 Non-Int in GRS epoch 6 - A2 (17)	4 Secs (4 Secs) [==>]	[1]	
	6	FQ727N - quad D	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N			Sequence 1-8 Non-Int in GRS epoch 6 - A2 (17)	8 Secs (8 Secs) [==>]	[1]	
	7	F275W - quad D	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F275W			Sequence 1-8 Non-Int in GRS epoch 6 - A2 (17)	20 Secs (20 Secs) [==>]	[1]	
	8	F631N - quad D	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS2-2K2D-SUB	F631N	BLADE=A		Sequence 1-8 Non-Int in GRS epoch 6 - A2 (17)	4 Secs (4 Secs) [==>]	[1]	



Proposal 17495 - GRS epoch 6 - B (18) - Oscillations of Jupiter's Great Red Spot

Mon Feb 26 23:00:38 GMT 2024

Visit	<p>Proposal 17495, GRS epoch 6 - B (18), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: Period 9.92842114 H AND ZERO-PHASE HJD2460279.740451; GROUP 18,16,17 WITHIN 15H</p> <p><i>Comments: B one Jupiter rotation before or after A1+A2</i></p>						
	Diagnostics	<p>(F631N - quad A (18.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F502N - quad A (18.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F395N - quad A (18.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F275W - quad A (18.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (18.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(FQ889N - quad A (18.005)) 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.</p> <p>(F275W - quad A (18.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(F631N - quad A (18.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(GRS epoch 6 - B (18)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>					
Patterns		#	Primary Pattern	Secondary Pattern	Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.87 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(5)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	JUPITER-MOONS- CLOSE	STD=JUPITER				EARTH
<p><i>Comments: Description=Jupiter GRS</i></p>							

Proposal 17495 - GRS epoch 6 - B (18) - Oscillations of Jupiter's Great Red Spot

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F631N - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A	PHASE 0.063888889 TO 0.194543399	Sequence 1-7 Non-Int in GRS epoch 6 - B (18)	4 Secs (4 Secs) [==>]	[1]
	2	F502N - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F502N			Sequence 1-7 Non-Int in GRS epoch 6 - B (18)	4 Secs (4 Secs) [==>]	[1]
	3	F395N - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F395N			Sequence 1-7 Non-Int in GRS epoch 6 - B (18)	9 Secs (9 Secs) [==>]	[1]
	4	F275W - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W			Sequence 1-7 Non-Int in GRS epoch 6 - B (18)	20 Secs (20 Secs) [==>]	[1]
	5	FQ889N - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N			Sequence 1-7 Non-Int in GRS epoch 6 - B (18) Pattern 1, Exps 5-5 in Sequence 1-7 Non-Int in GRS epoch 6 - B (18) (1)	20 Secs (40 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F275W - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F275W			Sequence 1-7 Non-Int in GRS epoch 6 - B (18)	20 Secs (20 Secs) [==>]	[1]
	7	F631N - quad A	(2) JUPITER-MOONS-CLOSE	WFC3/UVIS, ACCUM, UVIS1-2K2A-SUB	F631N	BLADE=A		Sequence 1-7 Non-Int in GRS epoch 6 - B (18)	4 Secs (4 Secs) [==>]	[1]

