



10782 - Quit winking: Jupiter opens its other eye

Cycle: 15, Proposal Category: GO/DD

(Availability Mode: AVAILABLE)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Prof. Imke de Pater (PI)	University of California - Berkeley	imke@astron.berkeley.edu
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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(12) JUPITER-O1A-TIMED (17) JUPITER-WFPC2-O1B (18) JUPITER-WFPC2-O1C (19) JUPITER-WFPC2-O1D	WFPC2	1	21-May-2007 18:02:34.0	yes
02	(16) JUPITER-WFPC2-O2A (20) JUPITER-WFPC2-O2B (21) JUPITER-WFPC2-O2C	WFPC2	1	21-May-2007 18:02:42.0	yes
03	(5) JUPITER-WFC-OFFSET (6) JUPITER-HRC-SOUTH-TIMED-V3	ACS/HRC ACS/WFC	1	21-May-2007 18:02:49.0	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>
04	(8) JUPITER-HRC-RSJ (9) JUPITER-HRC-GRS (10) JUPITER-HRC-RSJ-TIMED	ACS/HRC	1	21-May-2007 18:03:04.0	yes
05	(8) JUPITER-HRC-RSJ (9) JUPITER-HRC-GRS (11) JUPITER-WFC	ACS/HRC ACS/WFC	1	21-May-2007 18:03:13.0	yes
06	(8) JUPITER-HRC-RSJ (9) JUPITER-HRC-GRS (11) JUPITER-WFC	ACS/HRC ACS/WFC	1	21-May-2007 18:03:22.0	yes
07	(23) JUPITER-F1A-TIMED (24) JUPITER-F1B (27) JUPITER-F1C (28) JUPITER-F1D	WFPC2	1	21-May-2007 18:03:32.0	yes
08	(25) JUPITER-F2A (26) JUPITER-F2B (29) JUPITER-F2C	WFPC2	1	21-May-2007 18:03:37.0	yes
09	(8) JUPITER-HRC-RSJ (9) JUPITER-HRC-GRS	ACS/HRC	1	21-May-2007 18:03:47.0	yes
10	(8) JUPITER-HRC-RSJ (9) JUPITER-HRC-GRS (10) JUPITER-HRC-RSJ-TIMED (11) JUPITER-WFC	ACS/HRC ACS/WFC	1	21-May-2007 18:03:56.0	yes

10 Total Orbits Used

ABSTRACT

This week (March 6) a new red spot on Jupiter was announced, dubbed "Red Spot Jr." by the press. It appears to be White Oval BA, the remnant of the three White Ovals that merged during 1998-2000. The new spot is deep red like the Great Red Spot (GRS) rather than bright white as were the ovals. We believe that the color change of the oval from white to red is indicative of a temperature change, as predicted by one of us in a Nature paper in 2004. The goal of our proposed observations is to test our theory of jovian climate change through observations of dynamical features of Red Spot Jr. and its surroundings, which provide indirect measurements of changes in the temperature and stratification of the jovian weather layer.

OBSERVING DESCRIPTION

We use the HRC to image Jupiter in blue and red/weak methane filters, with 2-point line pattern covering the southern hemisphere. We switch to the WFC and take three full-disk exposures, using blue, orange, and strong methane filters. A second visit exactly 6 orbits later follows the same plan.

REAL TIME JUSTIFICATION

Careful timing is needed for Visit 1 in order to ensure that the desired atmospheric features are in view. The timing constraints are implemented in the JUPITER-HRC-SOUTH-TIMED target's observing window, by constraining the CML. Note that the CML constraint in the APT file applies only for the April 9-11 window. For other days, the desired CML must be adjusted slightly according to the comments in the JUPITER-HRC-SOUTH-TIMED target form. Also, Visit 2 must be scheduled as close as possible to 9.9 h (one jovian rotation) after the Visit 1. This constraint is implemented via a Visit 2 timing requirement that it follow Visit 1 by 9 to 10 hours. This should happen if Visit 2 is 6 orbits after Visit 1.

ADDITIONAL COMMENTS

avail_ok: YES

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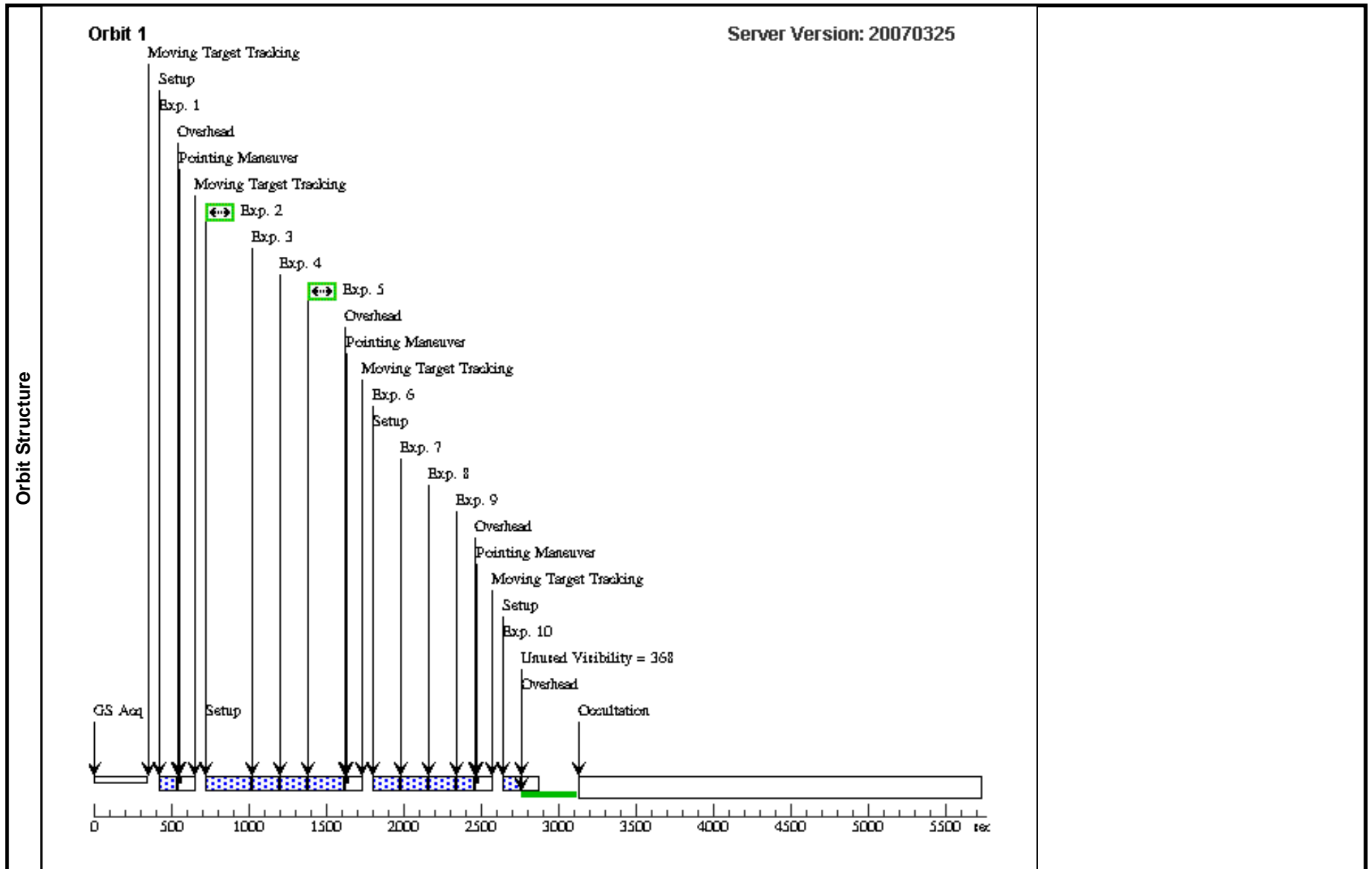
Mon May 21 17:03:59 GMT 2007

Visit	<p>Proposal 10782, Visit 01, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: WFPC2</p> <p>Special Requirements: ORIENT 270.0D TO 280.0 D; BETWEEN 06-MAR-2007:00:00:00 AND 15-MAR-2007:23:59:59</p> <p><i>Comments: visit 2 must follow this visit by one orbit</i></p>																											
	Diagnostics	<p>(FQCH4 (01.002)) Error: 8930.0 is not within the legal range of 8929.0 to 8929.0</p> <p>(FQCH4 (01.002)) Error: FQCH4P15 is not a valid selection</p> <p>(FQCH4 (01.002)) Error: This attribute cannot have this value due to other choices: Wavelength=8930.0 The value chosen is outside the legal range: Range = [8929.0 8929.0]</p> <p>(FQCH4 (01.002)) Error: This attribute cannot have this value due to other choices: Spectral_Element=FQCH4P15 Wavelength cannot be greater than the Max Wavelength of the element.</p> <p>(FQCH4 (01.005)) Error: 8930.0 is not within the legal range of 8929.0 to 8929.0</p> <p>(FQCH4 (01.005)) Error: FQCH4P15 is not a valid selection</p> <p>(FQCH4 (01.005)) Error: This attribute cannot have this value due to other choices: Wavelength=8930.0 The value chosen is outside the legal range: Range = [8929.0 8929.0]</p> <p>(FQCH4 (01.005)) Error: This attribute cannot have this value due to other choices: Spectral_Element=FQCH4P15 Wavelength cannot be greater than the Max Wavelength of the element.</p> <p>(Visit 01) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 01) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 01) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(FQCH4 (01.002)) Warning: Partially rotated filters should generally be specified with a corresponding aperture.</p> <p>(FQCH4 (01.005)) Warning: Partially rotated filters should generally be specified with a corresponding aperture.</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> </tr> </thead> <tbody> <tr> <td>(12)</td> <td>JUPITER-O1A-TIMED</td> <td>STD=JUPITER</td> <td>TYPE=PGRAPHIC, LONG=191.0, LAT=-20.0, ALT=0.0, R_LONG=-0.15, EPOCH=08 -MAR-2007:05:00:00</td> <td></td> <td>NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH, CML OF JUPITER FROM EARTH BETWEEN 170.0 182.0</td> </tr> <tr> <td colspan="6"> <p><i>Comments: CML constraint at the start of Visit 1 is a function of time:</i></p> <p>FEB 21 - MAR 5: CML 172-184</p> <p>MAR 6 - MAR 18: CML 170-182</p> </td> </tr> <tr> <td>(17)</td> <td>JUPITER-WFPC2-O1B</td> <td>STD=JUPITER</td> <td>TYPE=PGRAPHIC, LONG=191.0, LAT=-20.0, ALT=0.0, R_LONG=-0.15, EPOCH=08 -MAR-2007:05:00:00</td> <td></td> <td>NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH</td> </tr> </tbody> </table>				#	Name	Level 1	Level 2	Level 3	Window	(12)	JUPITER-O1A-TIMED	STD=JUPITER	TYPE=PGRAPHIC, LONG=191.0, LAT=-20.0, ALT=0.0, R_LONG=-0.15, EPOCH=08 -MAR-2007:05:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH, CML OF JUPITER FROM EARTH BETWEEN 170.0 182.0	<p><i>Comments: CML constraint at the start of Visit 1 is a function of time:</i></p> <p>FEB 21 - MAR 5: CML 172-184</p> <p>MAR 6 - MAR 18: CML 170-182</p>						(17)	JUPITER-WFPC2-O1B	STD=JUPITER	TYPE=PGRAPHIC, LONG=191.0, LAT=-20.0, ALT=0.0, R_LONG=-0.15, EPOCH=08 -MAR-2007:05:00:00	
	#	Name	Level 1	Level 2	Level 3	Window																						
(12)	JUPITER-O1A-TIMED	STD=JUPITER	TYPE=PGRAPHIC, LONG=191.0, LAT=-20.0, ALT=0.0, R_LONG=-0.15, EPOCH=08 -MAR-2007:05:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH, CML OF JUPITER FROM EARTH BETWEEN 170.0 182.0																							
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(17)	JUPITER-WFPC2-O1B	STD=JUPITER	TYPE=PGRAPHIC, LONG=191.0, LAT=-20.0, ALT=0.0, R_LONG=-0.15, EPOCH=08 -MAR-2007:05:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH																							

Proposal 10782 - Visit 01 - Quit winking: Jupiter opens its other eye

Solar System Targets (continued)	#	Name	Level 1	Level 2	Level 3	Window			
	(18)	JUPITER-WFPC2-O1C	STD=JUPITER		TYPE=PGRAPHIC, LONG=205.0, LAT=-7.0, ALT=0.0, R_LONG=-0.15, EPOCH=08-MAR-2007:05:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH		
(19)	JUPITER-WFPC2-O1D	STD=JUPITER		TYPE=PGRAPHIC, LONG=210.0, LAT=-7.0, ALT=0.0, R_LONG=-0.15, EPOCH=08-MAR-2007:05:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH			

Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F673N	(12) JUPITER-O1A-TIMED	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	3.0 Secs [==>]	[1]
2	FQCH4	(17) JUPITER-WFP C2-O1B	WFPC2, IMAGE, PC1-FIX	FQCH4P15 8930.0 A	CR-SPLIT=NO; ATD-GAIN=7		Same Obset	50.0 Secs [==>]	[1]	
3	F673N	(17) JUPITER-WFP C2-O1B	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	3.0 Secs [==>]	[1]	
4	F953N	(17) JUPITER-WFP C2-O1B	WFPC2, IMAGE, PC1-FIX	F953N	CR-SPLIT=NO; ATD-GAIN=7		Same Obset	16.0 Secs [==>]	[1]	
5	FQCH4	(17) JUPITER-WFP C2-O1B	WFPC2, IMAGE, PC1-FIX	FQCH4P15 8930.0 A	CR-SPLIT=NO; ATD-GAIN=7		Same Obset	50.0 Secs [==>]	[1]	
6	F673N	(18) JUPITER-WFP C2-O1C	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	3.0 Secs [==>]	[1]	
7	F502N	(18) JUPITER-WFP C2-O1C	WFPC2, IMAGE, PC1-FIX	F502N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	12.0 Secs [==>]	[1]	
8	F410M	(18) JUPITER-WFP C2-O1C	WFPC2, IMAGE, PC1-FIX	F410M	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	8.0 Secs [==>]	[1]	
9	F336W	(18) JUPITER-WFP C2-O1C	WFPC2, IMAGE, PC1-FIX	F336W	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	7.0 Secs [==>]	[1]	
10	F673N	(19) JUPITER-WFP C2-O1D	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	3.0 Secs [==>]	[1]	



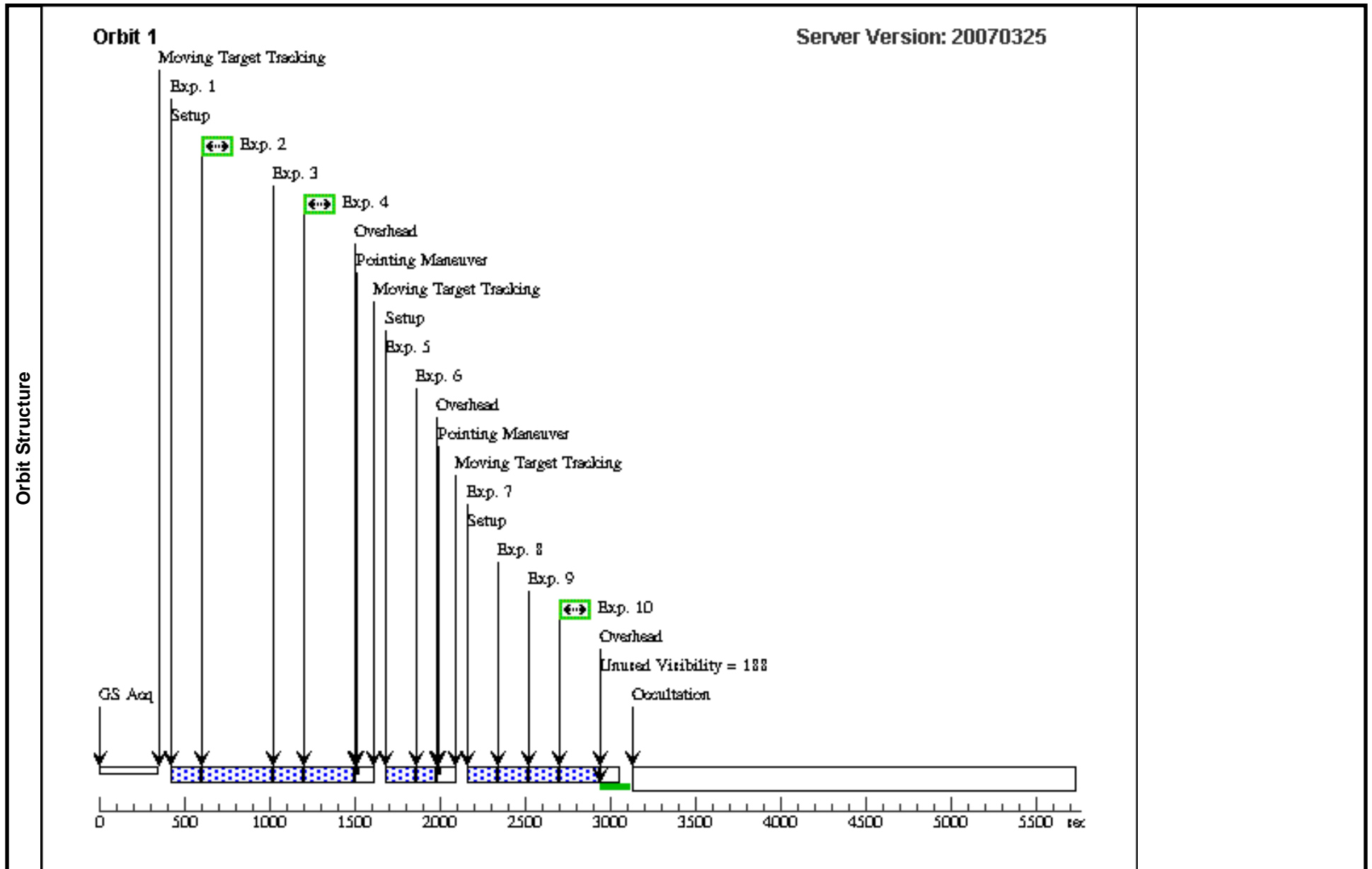
Proposal 10782 - Visit 02 - Quit winking: Jupiter opens its other eye

Mon May 21 17:04:00 GMT 2007

Visit	Proposal 10782, Visit 02, completed Diagnostic Status: Error Scientific Instruments: WFPC2 Special Requirements: ORIENT 270.0D TO 280.0 D; AFTER 01 BY 1 H TO 2 H <i>Comments: this visit must be the orbit after visit 1</i>									
	Diagnostics	(FQCH4 (02.010)) Error: This attribute cannot have this value due to other choices: Spectral_Element=FQCH4P15 Wavelength cannot be greater than the Max Wavelength of the element.								
(FQCH4 (02.010)) Error: 8930.0 is not within the legal range of 8929.0 to 8929.0										
(FQCH4 (02.010)) Error: This attribute cannot have this value due to other choices: Wavelength=8930.0 The value chosen is outside the legal range: Range = [8929.0 8929.0]										
(FQCH4 (02.010)) Error: FQCH4P15 is not a valid selection										
(Visit 02) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit 02) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING (FQCH4 (02.010)) Warning: Partially rotated filters should generally be specified with a corresponding aperture.										
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window				
	(16)	JUPITER-WFPC2-O2A	STD=JUPITER	TYPE=PGRAPHIC, LONG=241.0, LAT=-5.0, ALT=0.0, R_LONG=-0.15, EPOCH=08-MAR-2007:05:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH				
	(20)	JUPITER-WFPC2-O2B	STD=JUPITER	TYPE=PGRAPHIC, LONG=254.0, LAT=-5.0, ALT=0.0, R_LONG=-0.15, EPOCH=08-MAR-2007:05:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH				
	(21)	JUPITER-WFPC2-O2C	STD=JUPITER	TYPE=PGRAPHIC, LONG=267.0, LAT=-15.0, ALT=0.0, R_LONG=-0.15, EPOCH=08-MAR-2007:05:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH				
Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F673N	(16) JUPITER-WFPC2-O2A	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	3.0 Secs [==>]	[1]
	2	F218W	(16) JUPITER-WFPC2-O2A	WFPC2, IMAGE, PC1-FIX	F218W	CR-SPLIT=NO; ATD-GAIN=7; CLOCKS=YES		Same Obset	260.0 Secs [==>]	[1]

Proposal 10782 - Visit 02 - Quit winking: Jupiter opens its other eye

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	3	F953N	(16) JUPITER-WFP C2-O2A	WFPC2, IMAGE, PC1-FIX	F953N	CR-SPLIT=NO; ATD-GAIN=7		Same Obset	16.0 Secs [==>]	[1]
	4	F255W	(16) JUPITER-WFP C2-O2A	WFPC2, IMAGE, PC1-FIX	F255W	CR-SPLIT=NO; ATD-GAIN=7; CLOCKS=YES		Same Obset	200.0 Secs [==>]	[1]
	5	F673N	(20) JUPITER-WFP C2-O2B	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	3.0 Secs [==>]	[1]
	6	F336W	(20) JUPITER-WFP C2-O2B	WFPC2, IMAGE, PC1-FIX	F336W	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	7.0 Secs [==>]	[1]
	7	F673N	(21) JUPITER-WFP C2-O2C	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	3.0 Secs [==>]	[1]
	8	F410M	(21) JUPITER-WFP C2-O2C	WFPC2, IMAGE, PC1-FIX	F410M	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	8.0 Secs [==>]	[1]
	9	F502N	(21) JUPITER-WFP C2-O2C	WFPC2, IMAGE, PC1-FIX	F502N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	12.0 Secs [==>]	[1]
	10	FQCH4	(21) JUPITER-WFP C2-O2C	WFPC2, IMAGE, PC1-FIX	FQCH4P15 8930.0 A	CR-SPLIT=NO; ATD-GAIN=7		Same Obset	50.0 Secs [==>]	[1]



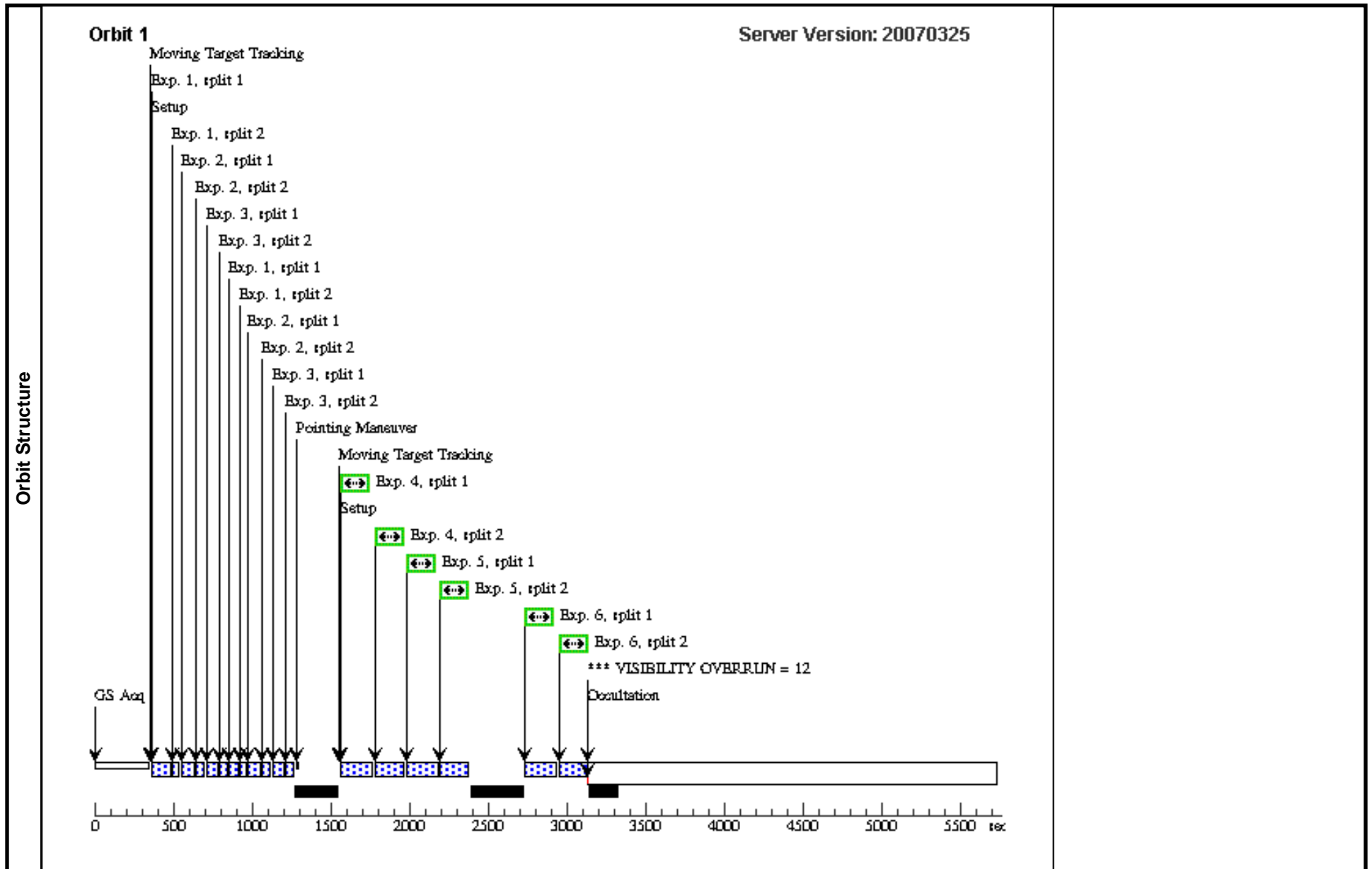
Proposal 10782 - Visit 03 - Quit winking: Jupiter opens its other eye

Mon May 21 17:04:01 GMT 2007

Visit	<p>Proposal 10782, Visit 03, failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: ACS/WFC, ACS/HRC</p> <p>Special Requirements: (none)</p> <p><i>Comments: THIS IS VISIT 1 WITH MINOR REVISIONS THAT SHOULD NOT AFFECT SCHEDULING.</i></p> <p><i>second visit must start 9 to 10 hours after this visit starts.</i></p> <p><i>5 orbits = 8.0 h</i> <i>6 orbits = 9.6 h</i> <i>jup rotation = 9.9 h = 6.2 orbits</i> <i>7 orbits = 11.2 h</i></p>					
	<p>Diagnosics</p> <p>(Visit 03) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 03) Warning: VISIBILITY OVERRUN</p> <p>(Visit 03) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 03) Warning: ACS EXPOSURE TIME ADJUSTED</p> <p>(Visit 03) Warning: ACS EXPOSURE TIME ADJUSTED</p>					
Patterns	#	Primary Pattern	Secondary Pattern	Exposures		
	(2)	Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=15.81 Line Spacing=	Coordinate Frame=CELESTIAL Pattern Orientation=287.2 Angle Between Sides= Center Pattern=true	(1-3)		
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window
	(5)	JUPITER-WFC-OFFSET	STD=JUPITER	TYPE=POS_ANGLE,RAD=0.0,ANG=0.0,REF=NORTH,R_RAD=0.0,R_ANG=0.0,EPOCH=10-APR-2006:12:00:00		
	(6)	JUPITER-HRC-SOUTH-TIMED-V3	STD=JUPITER	TYPE=TORUS, LONG=-5.0, LAT=-22.0, RAD=69911.0, O_RAD=0.0		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH, CML OF JUPITER FROM EARTH BETWEEN 259.0 265.0
<p><i>Comments: At the start of Orbit 1, we want the CML to be within +/- 3 degrees of 260 FOR APRIL 10. For other dates, the desired CML changes:</i></p> <p><i>April 1: 257. April 2-4: 258. April 5-8: 259. April 9-11: 260. April 12-15: 261. April 16-18: 262.</i></p>						

Proposal 10782 - Visit 03 - Quit winking: Jupiter opens its other eye

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	HRC-F475 W	(6) JUPITER-HRC-S OUTH-TIMED-V3	ACS/HRC, ACCUM, HRC	F475W			Same Obset Pattern 1-3 (2)	1.6 Secs [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)]	[1]
	2	HRC-F502N	(6) JUPITER-HRC-S OUTH-TIMED-V3	ACS/HRC, ACCUM, HRC	F502N			Same Obset Pattern 1-3 (2)	36.0 Secs [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)]	[1]
	3	HRC-F658N	(6) JUPITER-HRC-S OUTH-TIMED-V3	ACS/HRC, ACCUM, HRC	F658N			Same Obset Pattern 1-3 (2)	17.0 Secs [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)]	[1]
	4	WFC-F892 N	(5) JUPITER-WFC- OFFSET	ACS/WFC, ACCUM, WFC2	F892N			Same Obset	12.0 Secs [==>(Split 1)] [==>(Split 2)]	[1]
	5	WFC-F502 N	(5) JUPITER-WFC- OFFSET	ACS/WFC, ACCUM, WFC2-2K	F502N			Same Obset	7.0 Secs [==>(Split 1)] [==>(Split 2)]	[1]
	6	WFC-F475 W	(5) JUPITER-WFC- OFFSET	ACS/WFC, ACCUM, WFC2-2K	F475W			Same Obset	0.5 Secs [==>(Split 1)] [==>(Split 2)]	[1]



Proposal 10782 - Visit 04 - Quit winking: Jupiter opens its other eye

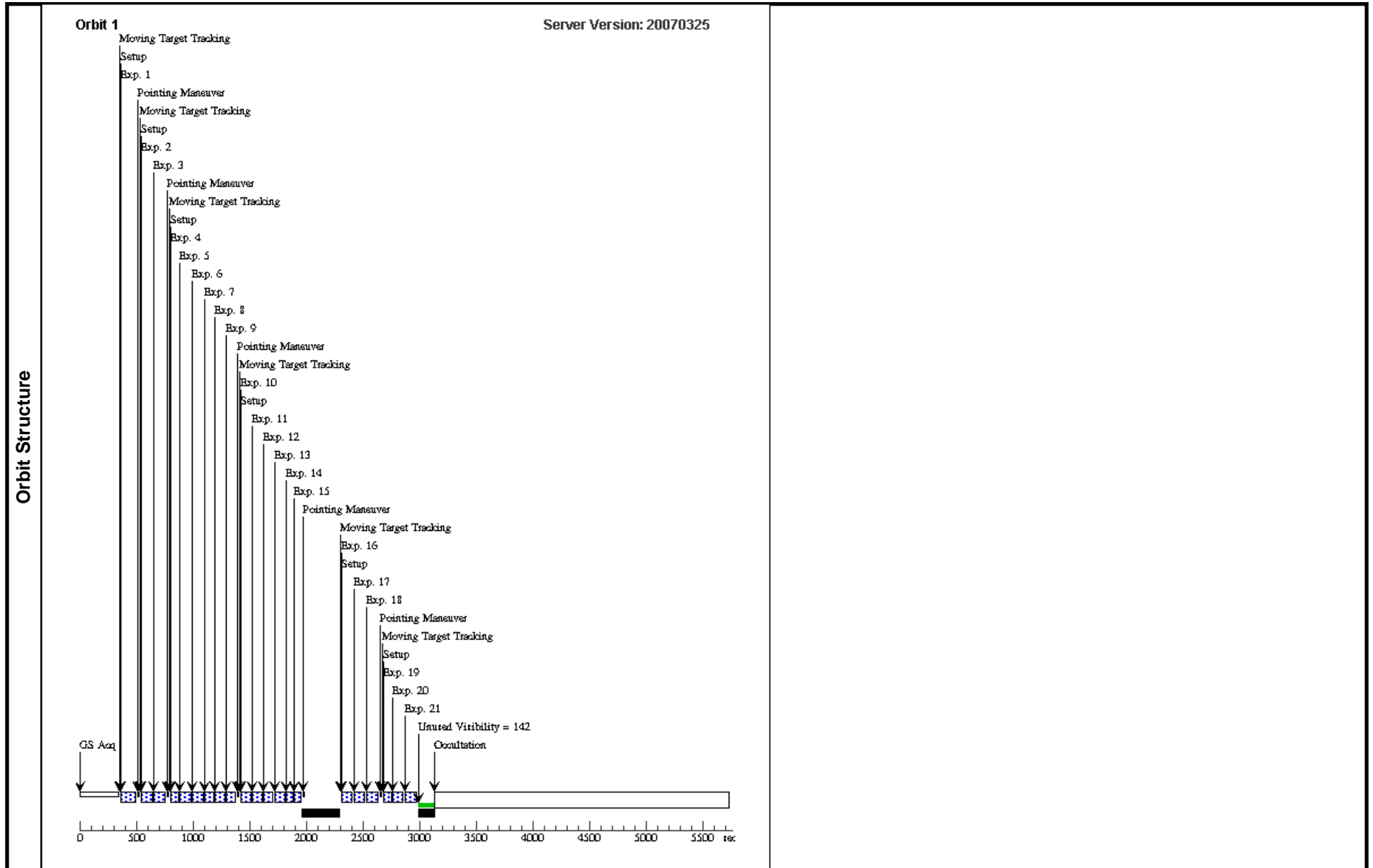
Mon May 21 17:04:01 GMT 2007

Visit	<p>Proposal 10782, Visit 04, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: ACS/HRC</p> <p>Special Requirements: ORIENT 270.0D TO 280.0 D</p> <p><i>Comments: second visit must start 9 to 10 hours after this visit starts.</i></p> <p>5 orbits = 8.0 h 6 orbits = 9.6 h Jup rotation = 9.9 h = 6.2 orbits 7 orbits = 11.2 h</p>									
	<p>(Visit 04) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 04) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 04) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 04) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 04) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p>									
Diagnosics										
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window			
		(8)	JUPITER-HRC-RSJ	STD=JUPITER	TYPE=PGRAPHIC, LONG=261.0, LAT=-9.5, R_LONG=-0.24, EPOCH=25-APR-2006:00:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH			
		(9)	JUPITER-HRC-GRS	STD=JUPITER	TYPE=PGRAPHIC, LONG=250.0, LAT=-6.0, R_LONG=-0.2893, EPOCH=25-APR-2006:00:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH			
(10)		JUPITER-HRC-RSJ-TIMED	STD=JUPITER	TYPE=PGRAPHIC, LONG=261.0, LAT=-9.5, R_LONG=-0.24, EPOCH=25-APR-2006:00:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH, CML OF JUPITER FROM EARTH BETWEEN 249.0 258.0				
<i>Comments: At the start of Visit 4, we want the CML to be between 249 and 258 FOR APRIL 25-MAY 5.</i>										
Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	HRC-F658N	(10) JUPITER-HRC-RSJ-TIMED	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO		Same Obset	10.0 Secs [==>]	[1]
	2	HRC-F435W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO		Same Obset	3.0 Secs [==>]	[1]

Proposal 10782 - Visit 04 - Quit winking: Jupiter opens its other eye

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	3	HRC-F502N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	4	HRC-F658N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	5	HRC-F435W	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO	Same Obset	3.0 Secs [==>]	[1]
	6	HRC-F502N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	7	HRC-F892N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F892N	CR-SPLIT=NO	Same Obset	20.0 Secs [==>]	[1]
	8	HRC-F330W	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F330W	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	9	HRC-F550N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F550M	CR-SPLIT=NO	Same Obset	3.0 Secs [==>]	[1]
	10	HRC-F892N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F892N	CR-SPLIT=NO	Same Obset	20.0 Secs [==>]	[1]
	11	HRC-F330W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F330W	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	12	HRC-F550N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F550M	CR-SPLIT=NO	Same Obset	3.0 Secs [==>]	[1]
	13	HRC-FR656N/637	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	FR656N 6370.0 A	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	14	HRC-FR656N/643	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	FR656N 6430.0 A	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	15	HRC-FR656N/649	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	FR656N 6490.0 A	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	16	HRC-F502N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	17	HRC-F435W	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO	Same Obset	3.0 Secs [==>]	[1]
	18	HRC-F658N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	19	HRC-F502N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	20	HRC-F435W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO	Same Obset	3.0 Secs [==>]	[1]
	21	HRC-F658N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]

Proposal 10782 - Visit 04 - Quit winking: Jupiter opens its other eye



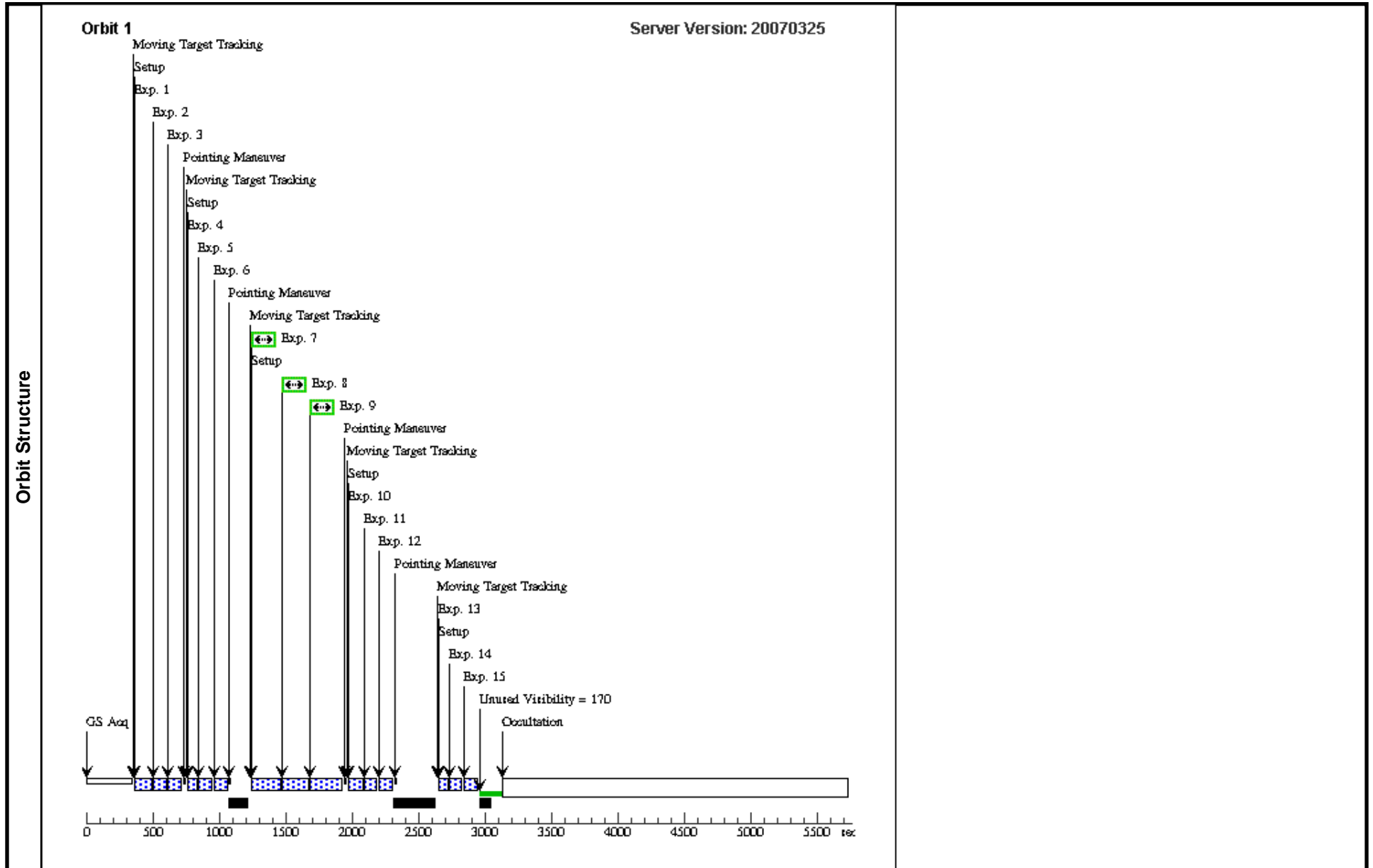
Proposal 10782 - Visit 05 - Quit winking: Jupiter opens its other eye

Mon May 21 17:04:04 GMT 2007

Visit	<p>Proposal 10782, Visit 05, withdrawn</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: ACS/WFC, ACS/HRC</p> <p>Special Requirements: ORIENT 270.0D TO 280.0 D; AFTER 04 BY 9 H TO 10 H</p> <p><i>Comments: TOP PRIORITY OPTION FOR SECOND VISIT. this visit has two camera switches: HRC -> WFC and WFC -> HRC.</i></p> <p><i>this visit must start 9 to 10 hours after the start of visit 04.</i></p> <p>5 orbits = 8.0 h 6 orbits = 9.6 h Jup rotation = 9.9 h = 6.2 orbits 7 orbits = 11.2 h</p>									
	<p>(Visit 05) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 05) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 05) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 05) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 05) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p>									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window				
	(8)	JUPITER-HRC-RSJ	STD=JUPITER	TYPE=PGRAPHIC, LONG=261.0, LAT=-9.5, R_LONG=-0.24, EPOCH=25-APR-2006:00:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH				
	(9)	JUPITER-HRC-GRS	STD=JUPITER	TYPE=PGRAPHIC, LONG=250.0, LAT=-6.0, R_LONG=0.2893, EPOCH=25-APR-2006:00:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH				
	(11)	JUPITER-WFC	STD=JUPITER			NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH				
Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	HRC-F658N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO		Same Obset	10.0 Secs [==>]	[1]
	2	HRC-F435W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO		Same Obset	3.0 Secs [==>]	[1]

Proposal 10782 - Visit 05 - Quit winking: Jupiter opens its other eye

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	3	HRC-F502N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	4	HRC-F658N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	5	HRC-F435W	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO	Same Obset	3.0 Secs [==>]	[1]
	6	HRC-F502N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	7	WFC-F892N	(11) JUPITER-WFC	ACS/WFC, ACCUM, WFC2	F892N	CR-SPLIT=NO	Same Obset	12.0 Secs [==>]	[1]
	8	WFC-F502N	(11) JUPITER-WFC	ACS/WFC, ACCUM, WFC2-2K	F502N	CR-SPLIT=NO	Same Obset	7.0 Secs [==>]	[1]
	9	WFC-F435W	(11) JUPITER-WFC	ACS/WFC, ACCUM, WFC2-2K	F435W	CR-SPLIT=NO	Same Obset	0.5 Secs [==>]	[1]
	10	HRC-F502N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	11	HRC-F435W	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO	Same Obset	3.0 Secs [==>]	[1]
	12	HRC-F658N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	13	HRC-F502N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	14	HRC-F435W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO	Same Obset	3.0 Secs [==>]	[1]
	15	HRC-F658N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]



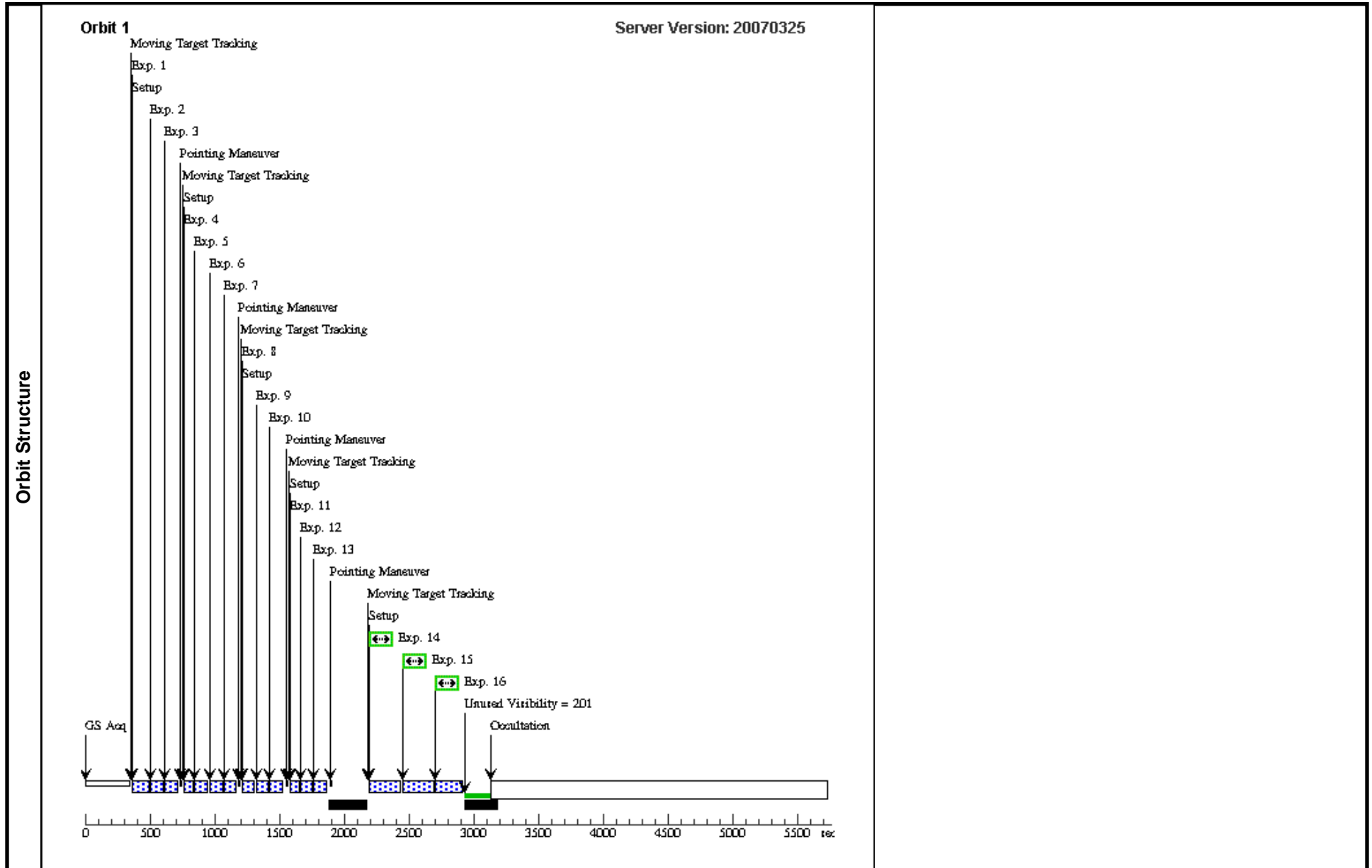
Proposal 10782 - Visit 06 - Quit winking: Jupiter opens its other eye

Mon May 21 17:04:05 GMT 2007

Visit	<p>Proposal 10782, Visit 06, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: ACS/WFC, ACS/HRC</p> <p>Special Requirements: ORIENT 270.0D TO 280.0 D; AFTER 04 BY 9 H TO 10 H</p> <p>Comments: <i>SECOND PRIORITY OPTION FOR SECOND VISIT. this visit has one camera switch: HRC -> WFC.</i></p> <p><i>this visit must start 9 to 10 hours after the start of visit 04.</i></p> <p>5 orbits = 8.0 h 6 orbits = 9.6 h Jup rotation = 9.9 h = 6.2 orbits 7 orbits = 11.2 h</p>									
	<p>(Visit 06) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 06) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 06) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 06) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 06) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p>									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window				
	(8)	JUPITER-HRC-RSJ	STD=JUPITER	TYPE=PGRAPHIC, LONG=261.0, LAT=-9.5, R_LONG=-0.24, EPOCH=25-APR-2006:00:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH				
	(9)	JUPITER-HRC-GRS	STD=JUPITER	TYPE=PGRAPHIC, LONG=250.0, LAT=-6.0, R_LONG=0.2893, EPOCH=25-APR-2006:00:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH				
	(11)	JUPITER-WFC	STD=JUPITER			NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH				
Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	HRC-F658N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO		Same Obset	10.0 Secs [=>]	[1]
	2	HRC-F435W	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO		Same Obset	3.0 Secs [=>]	[1]

Proposal 10782 - Visit 06 - Quit winking: Jupiter opens its other eye

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	3	HRC-F502N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	4	HRC-F658N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	5	HRC-F435W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO	Same Obset	3.0 Secs [==>]	[1]
	6	HRC-F502N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	7	HRC-F330W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F330W	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	8	HRC-F502N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	9	HRC-F435W	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO	Same Obset	3.0 Secs [==>]	[1]
	10	HRC-F658N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	11	HRC-F502N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	12	HRC-F435W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO	Same Obset	3.0 Secs [==>]	[1]
	13	HRC-F658N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO	Same Obset	10.0 Secs [==>]	[1]
	14	WFC-F435W	(11) JUPITER-WFC	ACS/WFC, ACCUM, WFC2-2K	F435W	CR-SPLIT=NO	Same Obset	0.5 Secs [==>]	[1]
	15	WFC-F502N	(11) JUPITER-WFC	ACS/WFC, ACCUM, WFC2-2K	F502N	CR-SPLIT=NO	Same Obset	7.0 Secs [==>]	[1]
	16	WFC-F892N	(11) JUPITER-WFC	ACS/WFC, ACCUM, WFC2	F892N	CR-SPLIT=NO	Same Obset	12.0 Secs [==>]	[1]



Proposal 10782 - Visit 07 - Quit winking: Jupiter opens its other eye

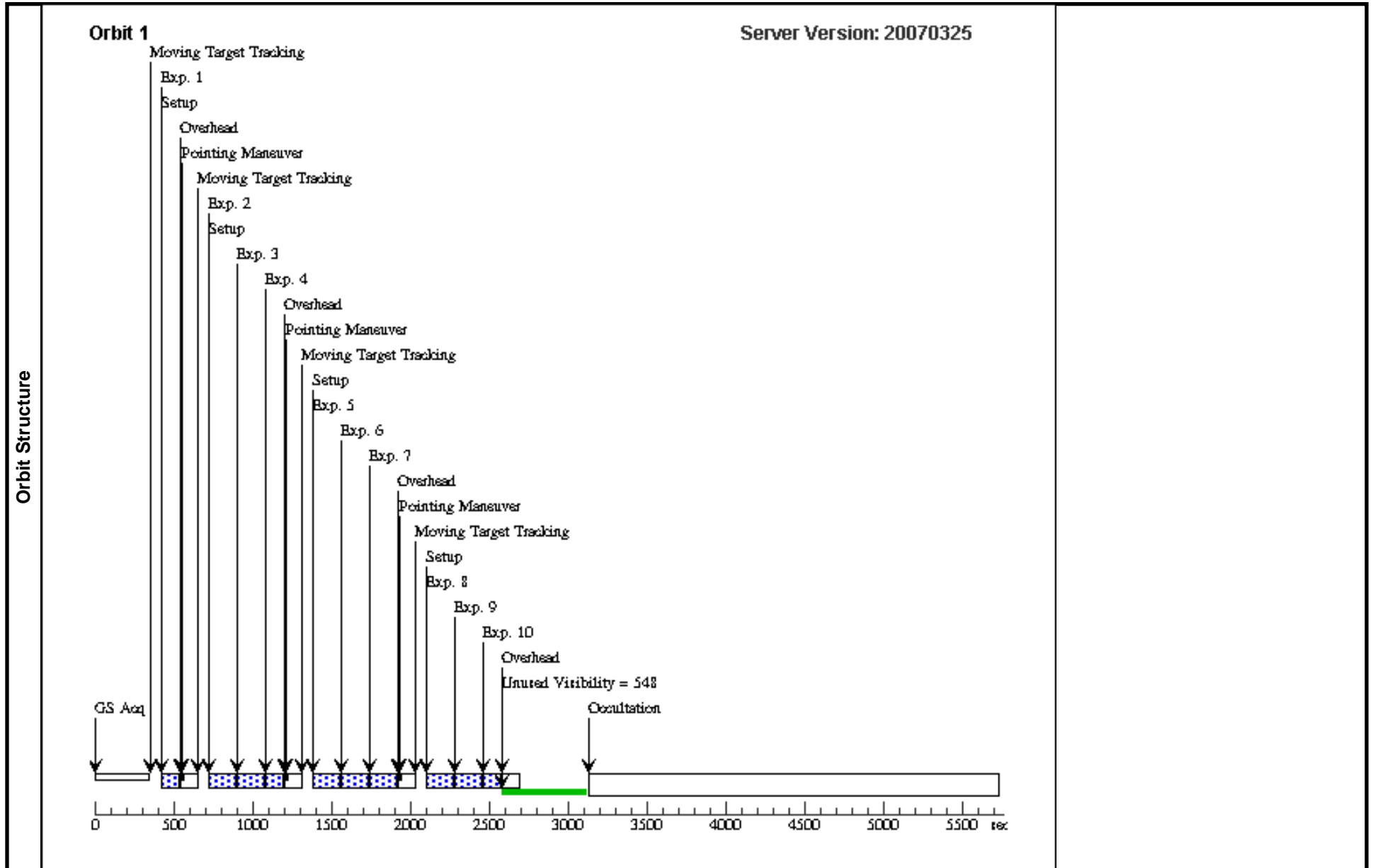
Mon May 21 17:04:06 GMT 2007

Visit	<p>Proposal 10782, Visit 07, implementation</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: WFPC2</p> <p>Special Requirements: ORIENT 270.0D TO 272.0 D; BETWEEN 07-MAY-2007:00:00:00 AND 23-MAY-2007:23:59:59</p> <p><i>Comments: visit 8 must follow this visit by one orbit</i></p>						
	Diagnostics	<p>(FQCH4 (07.007)) Error: FQCH4P15 is not a valid selection</p> <p>(FQCH4 (07.007)) Error: This attribute cannot have this value due to other choices: Wavelength=8930.0 The value chosen is outside the legal range: Range = [8929.0 8929.0]</p> <p>(FQCH4 (07.007)) Error: 8930.0 is not within the legal range of 8929.0 to 8929.0</p> <p>(FQCH4 (07.007)) Error: This attribute cannot have this value due to other choices: Spectral_Element=FQCH4P15 Wavelength cannot be greater than the Max Wavelength of the element.</p> <p>(Visit 07) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 07) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 07) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(FQCH4 (07.007)) Warning: Partially rotated filters should generally be specified with a corresponding aperture.</p>					
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window
	(23)	JUPITER-F1A-TIMED	STD=JUPITER	TYPE=PGRAPHIC, LONG=40.0, LAT=-15.0, ALT=0.0		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH	
	<i>Comments: CML constraint at the start of Visit 7 is a function of time</i>						
	<i>MAY 15 +/- a week: CML 35-47</i>						
(24)	JUPITER-F1B	STD=JUPITER	TYPE=PGRAPHIC, LONG=40.0, LAT=-15.0, ALT=0.0		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH		
(27)	JUPITER-F1C	STD=JUPITER	TYPE=PGRAPHIC, LONG=52.0, LAT=11.0, ALT=0.0		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH		

Proposal 10782 - Visit 07 - Quit winking: Jupiter opens its other eye

Solar System Targets (continued)	#	Name	Level 1	Level 2	Level 3	Window
	(28)	JUPITER-F1D	STD=JUPITER	TYPE=PGRAPHIC, LONG=64.0, LAT=-3.0, ALT=0.0		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH

Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F673N	(23) JUPITER-F1A-TIMED	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	4.0 Secs [==>]	[1]
	2	F502N	(24) JUPITER-F1B	WFPC2, IMAGE, PC1-FIX	F502N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	18.0 Secs [==>]	[1]
	3	F673N	(24) JUPITER-F1B	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	4.0 Secs [==>]	[1]
	4	F410M	(24) JUPITER-F1B	WFPC2, IMAGE, PC1-FIX	F410M	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	8.0 Secs [==>]	[1]
	5	F673N	(27) JUPITER-F1C	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	4.0 Secs [==>]	[1]
	6	F953N	(27) JUPITER-F1C	WFPC2, IMAGE, PC1-FIX	F953N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	35.0 Secs [==>]	[1]
	7	FQCH4	(27) JUPITER-F1C	WFPC2, IMAGE, PC1-FIX	FQCH4P15 8930.0 A	CR-SPLIT=NO; ATD-GAIN=7		Same Obset	40.0 Secs [==>]	[1]
	8	F673N	(28) JUPITER-F1D	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	4.0 Secs [==>]	[1]
	9	F953N	(28) JUPITER-F1D	WFPC2, IMAGE, PC1-FIX	F953N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	35.0 Secs [==>]	[1]
10	F673N	(28) JUPITER-F1D	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	4.0 Secs [==>]	[1]	



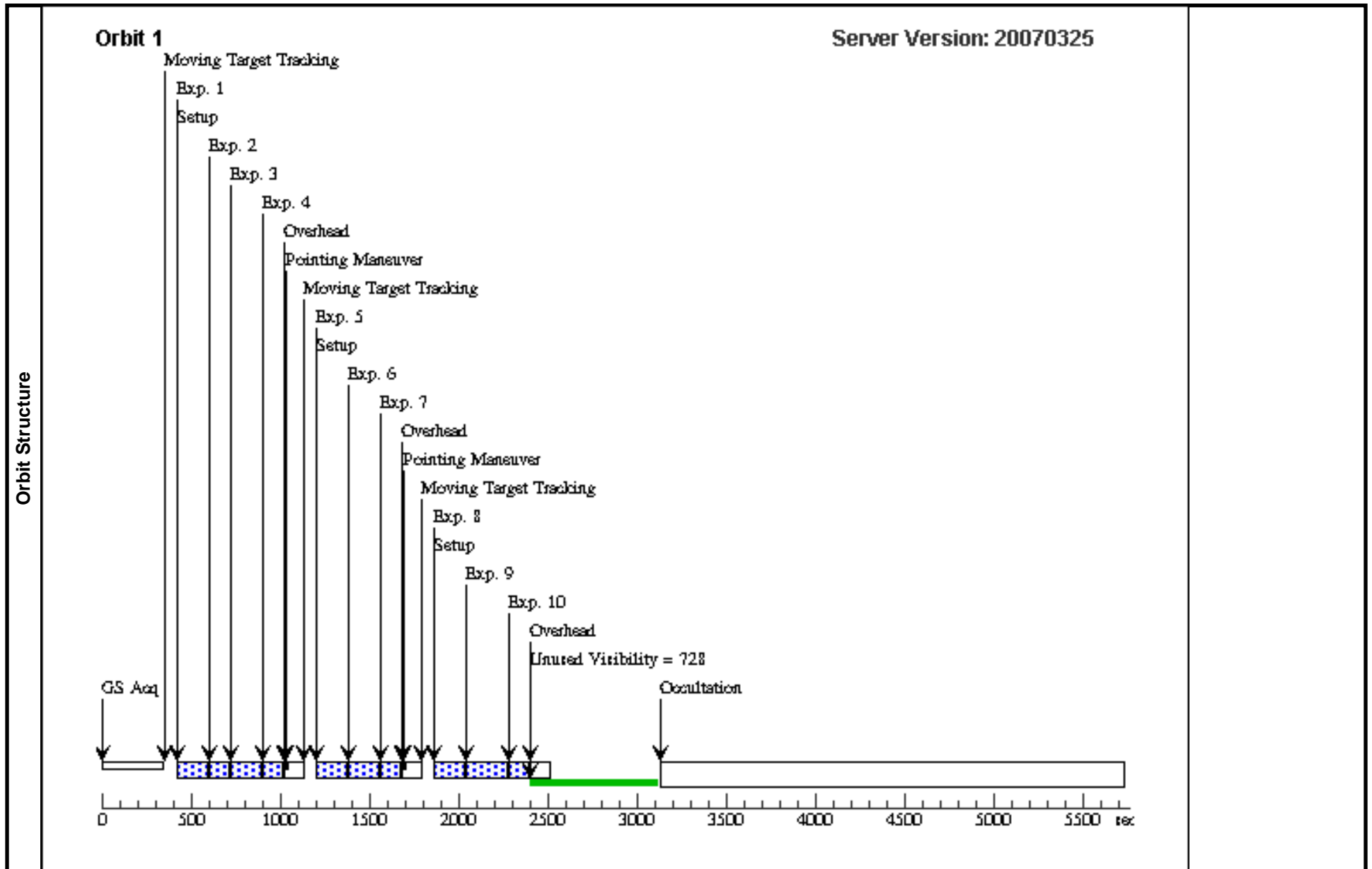
Proposal 10782 - Visit 08 - Quit winking: Jupiter opens its other eye

Mon May 21 17:04:06 GMT 2007

Visit	Proposal 10782, Visit 08, implementation Diagnostic Status: Error Scientific Instruments: WFPC2 Special Requirements: ORIENT 270.0D TO 272.0 D; AFTER 07 BY 1 H TO 2 H <i>Comments: this visit must start the orbit right after visit 7</i>									
	Diagnostics	(FQCH4 (08.009)) Error: This attribute cannot have this value due to other choices: Spectral_Element=FQCH4P15 Wavelength cannot be greater than the Max Wavelength of the element. (FQCH4 (08.009)) Error: FQCH4P15 is not a valid selection (FQCH4 (08.009)) Error: 8930.0 is not within the legal range of 8929.0 to 8929.0 (FQCH4 (08.009)) Error: This attribute cannot have this value due to other choices: Wavelength=8930.0 The value chosen is outside the legal range: Range = [8929.0 8929.0] (Visit 08) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit 08) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING (Visit 08) Warning: EXPOSURE TIME DECREASED FOR WFPC (FQCH4 (08.009)) Warning: Partially rotated filters should generally be specified with a corresponding aperture.								
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window			
	(25)	JUPITER-F2A	STD=JUPITER	TYPE=PGRAPHIC, LONG=82.0, LAT=-6.0, ALT=0.0		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH				
	(26)	JUPITER-F2B	STD=JUPITER	TYPE=PGRAPHIC, LONG=90.0, LAT=-6.0, ALT=0.0		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH				
	(29)	JUPITER-F2C	STD=JUPITER	TYPE=PGRAPHIC, LONG=100.0, LAT=-6.0, ALT=0.0		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH				
Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F673N	(25) JUPITER-F2A	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	4.0 Secs [==>]	[1]
	2	F673N	(25) JUPITER-F2A	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	4.0 Secs [==>]	[1]

Proposal 10782 - Visit 08 - Quit winking: Jupiter opens its other eye

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3	F953N	(25) JUPITER-F2A	WFPC2, IMAGE, PC1-FIX	F953N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	35.0 Secs [==>]	[1]
	4	F673N	(25) JUPITER-F2A	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	4.0 Secs [==>]	[1]
	5	F673N	(26) JUPITER-F2B	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	4.0 Secs [==>]	[1]
	6	F410M	(26) JUPITER-F2B	WFPC2, IMAGE, PC1-FIX	F410M	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	8.0 Secs [==>]	[1]
	7	F502N	(26) JUPITER-F2B	WFPC2, IMAGE, PC1-FIX	F502N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	18.0 Secs [==>]	[1]
	8	F336W	(29) JUPITER-F2C	WFPC2, IMAGE, PC1-FIX	F336W	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	11.0 Secs [==>]	[1]
	9	FQCH4	(29) JUPITER-F2C	WFPC2, IMAGE, PC1-FIX	FQCH4P15 8930.0 A	CR-SPLIT=NO; ATD-GAIN=7		Same Obset	40.0 Secs [==>]	[1]
	10	F953N	(29) JUPITER-F2C	WFPC2, IMAGE, PC1-FIX	F953N	CR-SPLIT=NO; ATD-GAIN=15		Same Obset	35.0 Secs [==>]	[1]



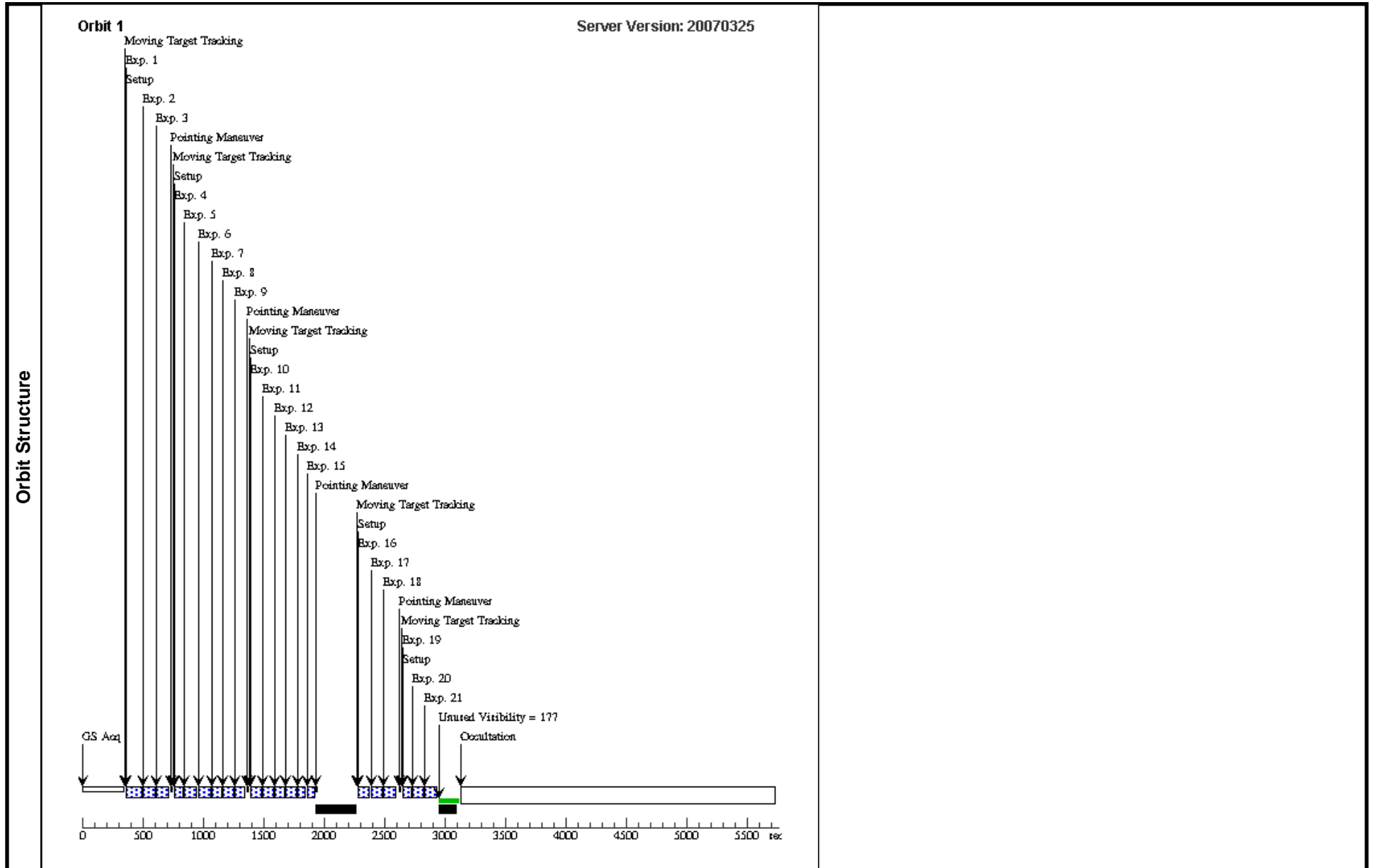
Proposal 10782 - Visit 09 - Quit winking: Jupiter opens its other eye

Mon May 21 17:04:07 GMT 2007

Visit	<p>Proposal 10782, Visit 09, implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: ACS/HRC</p> <p>Special Requirements: ORIENT 270.0D TO 280.0 D</p> <p><i>Comments: SECOND VISIT FOLLOWING VISIT 08.</i></p> <p><i>this visit must start 9 to 10 hours after the start of visit 08.</i></p> <p>5 orbits = 8.0 h 6 orbits = 9.6 h Jup rotation = 9.9 h = 6.2 orbits 7 orbits = 11.2 h</p>									
	<p>(Visit 09) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 09) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 09) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 09) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p>									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window				
	(8)	JUPITER-HRC-RSJ	STD=JUPITER	TYPE=PGRAPHIC, LONG=261.0, LAT=-9.5, R_LONG=-0.24, EPOCH=25-APR-2006:00:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH				
(9)	JUPITER-HRC-GRS	STD=JUPITER	TYPE=PGRAPHIC, LONG=250.0, LAT=-6.0, R_LONG=0.2893, EPOCH=25-APR-2006:00:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH					
Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	HRC-F658N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO		Same Obset	10.0 Secs	
									[==>]	[1]
	2	HRC-F435W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO		Same Obset	3.0 Secs	
									[==>]	[1]
	3	HRC-F502N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO		Same Obset	10.0 Secs	
								[==>]	[1]	
4	HRC-F658N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO		Same Obset	10.0 Secs		
								[==>]	[1]	
5	HRC-F435W	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO		Same Obset	3.0 Secs		
								[==>]	[1]	

Proposal 10782 - Visit 09 - Quit winking: Jupiter opens its other eye

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures (continued)	6	HRC-F502N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO		Same Obset	10.0 Secs	[==>]	[1]
	7	HRC-F892N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F892N	CR-SPLIT=NO		Same Obset	20.0 Secs	[==>]	[1]
	8	HRC-F330W	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F330W	CR-SPLIT=NO		Same Obset	10.0 Secs	[==>]	[1]
	9	HRC-F550N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F550M	CR-SPLIT=NO		Same Obset	3.0 Secs	[==>]	[1]
	10	HRC-F892N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F892N	CR-SPLIT=NO		Same Obset	20.0 Secs	[==>]	[1]
	11	HRC-F330W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F330W	CR-SPLIT=NO		Same Obset	10.0 Secs	[==>]	[1]
	12	HRC-F550N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F550M	CR-SPLIT=NO		Same Obset	3.0 Secs	[==>]	[1]
	13	HRC-FR656N/637	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	FR656N 6370.0 A	CR-SPLIT=NO		Same Obset	10.0 Secs	[==>]	[1]
	14	HRC-FR656N/643	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	FR656N 6430.0 A	CR-SPLIT=NO		Same Obset	10.0 Secs	[==>]	[1]
	15	HRC-FR656N/649	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	FR656N 6490.0 A	CR-SPLIT=NO		Same Obset	10.0 Secs	[==>]	[1]
	16	HRC-F502N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO		Same Obset	10.0 Secs	[==>]	[1]
	17	HRC-F435W	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO		Same Obset	3.0 Secs	[==>]	[1]
	18	HRC-F658N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO		Same Obset	10.0 Secs	[==>]	[1]
	19	HRC-F502N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO		Same Obset	10.0 Secs	[==>]	[1]
	20	HRC-F435W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO		Same Obset	3.0 Secs	[==>]	[1]
	21	HRC-F658N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO		Same Obset	10.0 Secs	[==>]	[1]



Proposal 10782 - Visit 10 - Quit winking: Jupiter opens its other eye

Mon May 21 17:04:08 GMT 2007

Visit	<p>Proposal 10782, Visit 10, withdrawn</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: ACS/WFC, ACS/HRC</p> <p>Special Requirements: ORIENT 270.0D TO 280.0 D</p> <p><i>Comments: LOW PRIORITY OPTION FOR FIRST VISIT. this visit has one camera switch: HRC -> WFC.</i></p> <p><i>second visit must start 9 to 10 hours after this visit starts.</i></p> <p>5 orbits = 8.0 h 6 orbits = 9.6 h Jup rotation = 9.9 h = 6.2 orbits 7 orbits = 11.2 h</p>					
	<p>(Visit 10) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 10) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 10) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 10) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 10) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(Visit 10) Warning: MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p>					
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window
	(8)	JUPITER-HRC-RSJ	STD=JUPITER	TYPE=PGRAPHIC, LONG=261.0, LAT=-9.5, R_LONG=-0.24, EPOCH=25-APR-2006:00:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH
	(9)	JUPITER-HRC-GRS	STD=JUPITER	TYPE=PGRAPHIC, LONG=250.0, LAT=-6.0, R_LONG=0.2893, EPOCH=25-APR-2006:00:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH
	(10)	JUPITER-HRC-RSJ-TIMED	STD=JUPITER	TYPE=PGRAPHIC, LONG=261.0, LAT=-9.5, R_LONG=-0.24, EPOCH=25-APR-2006:00:00:00		NOT TRANSIT OF IO ACROSS JUPITER FROM EARTH, NOT TRANSIT OF EUROPA ACROSS JUPITER FROM EARTH, NOT TRANSIT OF GANYMEDE ACROSS JUPITER FROM EARTH, NOT TRANSIT OF CALLISTO ACROSS JUPITER FROM EARTH, CML OF JUPITER FROM EARTH BETWEEN 249.0 258.0
<p><i>Comments: At the start of Visit 4, we want the CML to be between 249 and 258 FOR APRIL 25-MAY 5.</i></p>						

Proposal 10782 - Visit 10 - Quit winking: Jupiter opens its other eye

Solar System Targets (continued)	#	Name	Level 1	Level 2	Level 3	Window
	(11)	JUPITER-WFC	STD=JUPITER			

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	HRC-F658N	(10) JUPITER-HRC-RSJ-TIMED	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO		Same Obset	10.0 Secs	[1]
2	HRC-F435 W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO		Same Obset	3.0 Secs	[1]	
3	HRC-F502N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO		Same Obset	10.0 Secs	[1]	
4	HRC-F658N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO		Same Obset	10.0 Secs	[1]	
5	HRC-F435 W	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO		Same Obset	3.0 Secs	[1]	
6	HRC-F502N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO		Same Obset	10.0 Secs	[1]	
7	HRC-F330 W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F330W	CR-SPLIT=NO		Same Obset	10.0 Secs	[1]	
8	HRC-F502N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO		Same Obset	10.0 Secs	[1]	
9	HRC-F435 W	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO		Same Obset	3.0 Secs	[1]	
10	HRC-F658N	(8) JUPITER-HRC-RSJ	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO		Same Obset	10.0 Secs	[1]	
11	HRC-F502N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F502N	CR-SPLIT=NO		Same Obset	10.0 Secs	[1]	
12	HRC-F435 W	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F435W	CR-SPLIT=NO		Same Obset	3.0 Secs	[1]	

Proposal 10782 - Visit 10 - Quit winking: Jupiter opens its other eye

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		13	HRC-F658N	(9) JUPITER-HRC-GRS	ACS/HRC, ACCUM, HRC-FIX	F658N	CR-SPLIT=NO		Same Obset	10.0 Secs [==>]
	14	WFC-F502 N	(11) JUPITER-WFC	ACS/WFC, ACCUM, WFC2-2K	F502N	CR-SPLIT=NO		Same Obset	7.0 Secs [==>]	[1]
	15	WFC-F435 W	(11) JUPITER-WFC	ACS/WFC, ACCUM, WFC2-2K	F435W	CR-SPLIT=NO		Same Obset	0.5 Secs [==>]	[1]
	16	WFC-F892 N	(11) JUPITER-WFC	ACS/WFC, ACCUM, WFC2	F892N	CR-SPLIT=NO		Same Obset	12.0 Secs [==>]	[1]

