



14105 - Observing Jupiter's FUV auroras near Juno orbit insertion

Cycle: 23, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

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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	(1) JUPITER-AURORA-SW-IM1	STIS/FUV-MAMA	1	29-Jul-2016 13:05:33.0	yes
02	(2) JUPITER-AURORA-SW-IM2	STIS/FUV-MAMA	1	29-Jul-2016 13:05:34.0	yes
03	(3) JUPITER-AURORA-SW-IM3	STIS/FUV-MAMA	1	29-Jul-2016 13:05:35.0	yes
04	(4) JUPITER-AURORA-SW-IM4	STIS/FUV-MAMA	1	29-Jul-2016 13:05:36.0	yes
05	(5) JUPITER-AURORA-SW-IM5A	STIS/FUV-MAMA	1	29-Jul-2016 13:05:37.0	yes
06	(31) JUPITER-AURORA-SW-SP5	STIS/FUV-MAMA	1	29-Jul-2016 13:05:38.0	yes
07	(6) JUPITER-AURORA-SW-IM5B	STIS/FUV-MAMA	1	29-Jul-2016 13:05:39.0	yes
08	(7) JUPITER-AURORA-SW-IM6	STIS/FUV-MAMA	1	29-Jul-2016 13:05:40.0	yes
09	(8) JUPITER-AURORA-SW-IM7	STIS/FUV-MAMA	1	29-Jul-2016 13:05:41.0	yes
10	(9) JUPITER-AURORA-SW-IM8	STIS/FUV-MAMA	1	29-Jul-2016 13:05:42.0	yes
11	(10) JUPITER-AURORA-SW-IM9	STIS/FUV-MAMA	1	29-Jul-2016 13:05:43.0	yes
12	(11) JUPITER-AURORA-SW-IM10	STIS/FUV-MAMA	1	29-Jul-2016 13:05:44.0	yes
13	(12) JUPITER-AURORA-SW-IM11A	STIS/FUV-MAMA	1	29-Jul-2016 13:05:45.0	yes
14	(32) JUPITER-AURORA-SW-SP11	STIS/FUV-MAMA	1	29-Jul-2016 13:05:46.0	yes
15	(13) JUPITER-AURORA-SW-IM11B	STIS/FUV-MAMA	1	29-Jul-2016 13:05:47.0	yes
16	(14) JUPITER-AURORA-SW-IM12	STIS/FUV-MAMA	1	29-Jul-2016 13:05:48.0	yes
17	(15) JUPITER-AURORA-SW-IM13	STIS/FUV-MAMA	1	29-Jul-2016 13:05:48.0	yes
18	(16) JUPITER-AURORA-SW-IM14	STIS/FUV-MAMA	1	29-Jul-2016 13:05:49.0	yes
19	(17) JUPITER-AURORA-SW-IM15	STIS/FUV-MAMA	1	29-Jul-2016 13:05:50.0	yes
20	(18) JUPITER-AURORA-SW-IM16	STIS/FUV-MAMA	1	29-Jul-2016 13:05:51.0	yes

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<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>
21	(19) JUPITER-AURORA-SW-IM17A	STIS/FUV-MAMA	1	29-Jul-2016 13:05:52.0	yes
22	(33) JUPITER-AURORA-SW-SP17	STIS/FUV-MAMA	1	29-Jul-2016 13:05:53.0	yes
23	(20) JUPITER-AURORA-SW-IM17B	STIS/FUV-MAMA	1	29-Jul-2016 13:05:54.0	yes
24	(21) JUPITER-AURORA-SW-IM18	STIS/FUV-MAMA	1	29-Jul-2016 13:05:54.0	yes
25	(22) JUPITER-AURORA-SW-IM19	STIS/FUV-MAMA	1	29-Jul-2016 13:05:55.0	yes
26	(23) JUPITER-AURORA-SW-IM20	STIS/FUV-MAMA	1	29-Jul-2016 13:05:56.0	yes
27	(24) JUPITER-AURORA-SW-IM21	STIS/FUV-MAMA	1	29-Jul-2016 13:05:57.0	yes
28	(25) JUPITER-AURORA-SW-IM22	STIS/FUV-MAMA	1	29-Jul-2016 13:05:59.0	yes
29	(26) JUPITER-AURORA-SW-IM23	STIS/FUV-MAMA	1	29-Jul-2016 13:06:00.0	yes
30	(27) JUPITER-AURORA-SW-IM24	STIS/FUV-MAMA	1	29-Jul-2016 13:06:00.0	yes
31	(28) JUPITER-AURORA-SW-IM25	STIS/FUV-MAMA	1	29-Jul-2016 13:06:01.0	yes
32	(29) JUPITER-AURORA-SW-IM26	STIS/FUV-MAMA	1	29-Jul-2016 13:06:02.0	yes
33	(30) JUPITER-AURORA-SW-IM27	STIS/FUV-MAMA	1	29-Jul-2016 13:06:03.0	yes
34	(34) JUPITER-AURORA-IN-IM28	STIS/FUV-MAMA	1	29-Jul-2016 13:06:04.0	yes
35	(35) JUPITER-AURORA-IN-IM29	STIS/FUV-MAMA	1	29-Jul-2016 13:06:05.0	yes
36	(36) JUPITER-AURORA-IN-IM30	STIS/FUV-MAMA	1	29-Jul-2016 13:06:05.0	yes
37	(37) JUPITER-AURORA-IN-IM31	STIS/FUV-MAMA	1	29-Jul-2016 13:06:06.0	yes
38	(38) JUPITER-AURORA-IN-IM32	STIS/FUV-MAMA	1	29-Jul-2016 13:06:07.0	yes
39	(39) JUPITER-AURORA-IN-IM33	STIS/FUV-MAMA	1	29-Jul-2016 13:06:08.0	yes
40	(40) JUPITER-AURORA-IN-IM34	STIS/FUV-MAMA	1	29-Jul-2016 13:06:09.0	yes
41	(41) JUPITER-AURORA-CO-IM35	STIS/FUV-MAMA	1	29-Jul-2016 13:06:10.0	yes
42	(42) JUPITER-AURORA-CO-IM36	STIS/FUV-MAMA	1	29-Jul-2016 13:06:10.0	yes
43	(43) JUPITER-AURORA-CO-IM37	STIS/FUV-MAMA	1	29-Jul-2016 13:06:11.0	yes
44	(44) JUPITER-AURORA-CO-IM38	STIS/FUV-MAMA	1	29-Jul-2016 13:06:12.0	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>
45	(45) JUPITER-AURORA-CO-IM39	STIS/FUV-MAMA	1	29-Jul-2016 13:06:13.0	yes
46	(46) JUPITER-AURORA-CO-IM40	STIS/FUV-MAMA	1	29-Jul-2016 13:06:14.0	yes
47	(47) JUPITER-AURORA-CO-IM41	STIS/FUV-MAMA	1	29-Jul-2016 13:06:15.0	yes

47 Total Orbits Used

ABSTRACT

In Cycle 23, the NASA Juno spacecraft will approach and enter orbit around Jupiter. This allows a unique opportunity to obtain HST observations of Jupiter's FUV auroras responding to measured conditions in the solar wind near Jupiter, along with the first with simultaneous in situ magnetic field and plasma measurements within the dawnside outer jovian magnetosphere. These HST observations will exclusively allow us to discover the solution to some of the most pressing and widely-debated open questions in planetary science. Specifically, the science objectives are to:

- (1) Discover the nature of the solar wind interaction at Jupiter
- (2) Determine how the solar wind modulates internal dynamics in Jupiter's magnetosphere
- (3) Determine mass and energy flow of internal processes

We will utilise a Medium program of STIS/FUV imaging and spectroscopic observations, obtained simultaneously with Juno near-Jupiter solar wind data over a solar rotation, along with observations whilst the spacecraft is in the crucial dawn-side magnetosphere. This will reveal what drives the largest magnetosphere in the solar system. This program, which responds to the UV initiative, is only possible during Cycle 23, and HST is the only observatory capable of making these FUV observations, which will yield high-impact results and significantly augment the science return of the NASA Juno mission.

OBSERVING DESCRIPTION

We will take observations in 3 intervals: (1) 27 visits (comprising 24 one-orbit visits and 3 groups of 3 visits evenly spaced throughout the interval) at a cadence of 1 visit per day over 16 May - 11 June, i.e. while Juno is in the solar wind near Jupiter; (2) daily 1-orbit visits over 23-29 June, i.e. covering the inbound traversal of the dawnside magnetosphere; and (3) daily 1-orbit visits over 11-17 July during the first capture orbit in the dawnside magnetosphere, for a total of 47 orbits. We note that there are ~5 SAA-free orbits per day, and Jupiter has been observed in the SAA-free orbits once per day successfully in the past, although the above intervals could be adjusted by a few days either way for ease of scheduling and the

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avoidance of bright stars. These observations will be obtained using the STIS/FUV-MAMA instrument. Auroral images will be obtained using the F25SRF2 filter, in order to observe the H₂ Lyman and Werner emission whilst removing contamination from the geocoronal Lyman-alpha. We will concentrate on the northern auroras, as these exhibit the brightest polar emission and are tilted further equatorward than the southern, and hence present the best view from Earth. Jupiter will be positioned such that only the auroral region and nearby disc will be in the 25x25" field of view, and thus <1/4 of the detector is filled with the planet. We will obtain ~3000 s time-tagged exposures, from which images integrated over smaller intervals (e.g. 10-100 s) will be extracted. During one orbit we will also obtain a 100 s image with the F25QTZ filter to determine the planet's background disc and aid its subtraction from the auroral images. During each 3-orbit group of visits, a spectral pseudo-image will be built by slewing the 52X0.5 long slit with the G140L grating across the auroral region. In the event of STIS not being available, we will obtain these observations with the Solar Blind Channel of the Advanced Camera for Surveys. If we use ACS we will obtain images with the F125LP and F115LP filters in order to estimate the color ratio.

Proposal 14105 - SW1 (01) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit
Proposal 14105, SW1 (01), completed
Diagnostic Status: No Diagnostics
 Scientific Instruments: STIS/FUV-MAMA
 Special Requirements: ORIENT 100.4D TO 100.4 D; BETWEEN 16-MAY-2016:00:00:00 AND 17-MAY-2016:00:00:00
Comments: This is the first visit of the program. We will start observations on 16 May, to use the moon-free interval starting on this day. Observations will ideally be scheduled with a ~24 h cadence, as specified by the BETWEEN dates, but this can be slightly relaxed if necessary. The 3-orbit visit groups have been nominally positioned evenly spaced throughout the interval before 3 June, i.e. with an allowed ROLL of 135 deg for the spectral scans. However, these would ideally occur when the northern hemisphere visibility is maximum within the SAA-free intervals, and hence could be swapped for appropriate 1-orbit intervals when the HST orbit is known.

Solar System Targets

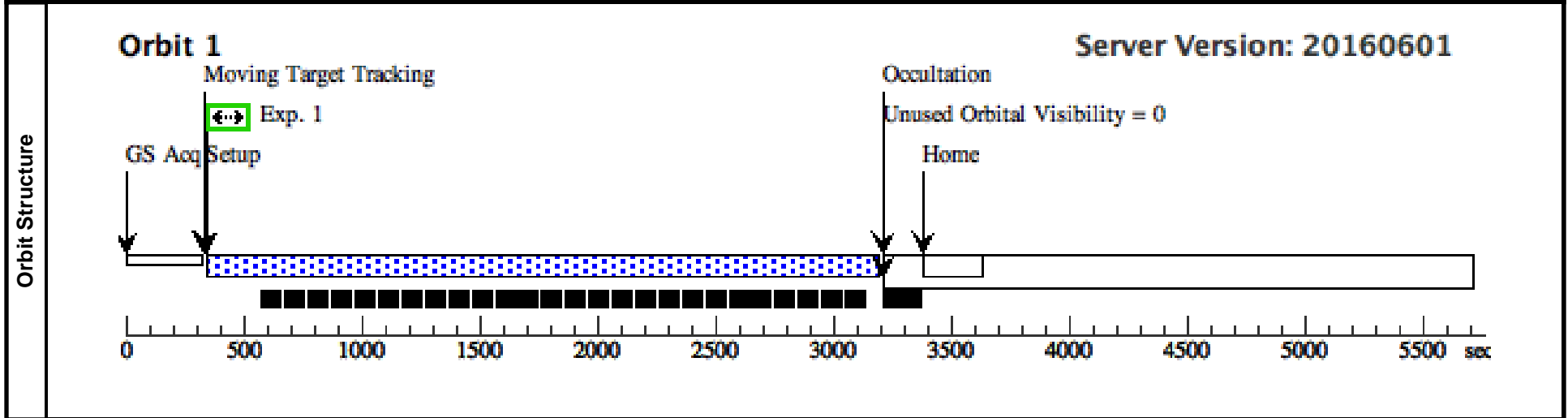
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(1)	JUPITER-AURORA-SW-IMI	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=35,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 220	EARTH

Comments: This target is for imaging Jupiter's northern auroras. Observation criteria are, in order of priority:
 Daily observations
 Northern hemisphere
 Avoidance of repeller wire and blotch region

Given the above constraints, it is desirable for ROLL to be as low as possible within the limited range at this time of year. For this and all other imaging targets here, the values of RAD and ANG that will centre the auroral region in the lower half of the detector, away from the repeller wire if possible, will depend in principle on ROLL (although this is specified in the visit) and the CML range of the observations. We will work with the PC to update these once the orbit of HST is known. The values entered here are for the northern hemisphere. If the north is not visible during the SAA free orbits on a given day, we will either slightly relax the ~24 h cadence or observe the south. For the south, the values of ANG will be essentially these plus 180 degrees (with minor adjustments to avoid the repeller wire), and the CML range would be 310-110 deg.

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(STIS.im.73 3411)	(1) JUPITER-AURO RA-SW-IMI	STIS/FUV-MAMA, TIME-TAG, F2SSRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3		2702 Secs (2702 Secs) [==>]	[1]



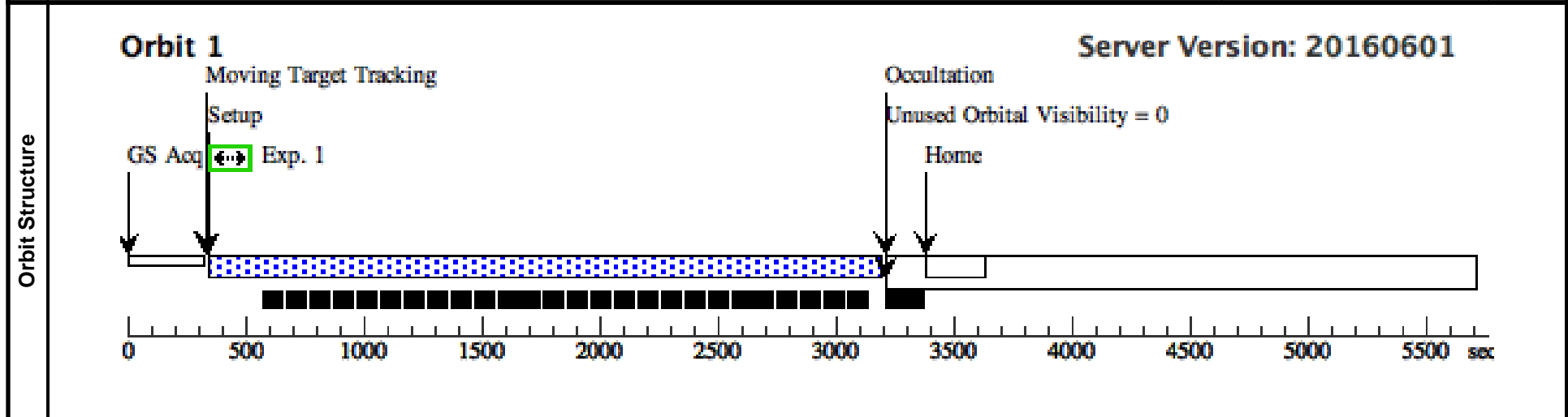
Proposal 14105 - SW2 (02) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW2 (02), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 123.7D TO 123.8 D; BETWEEN 17-MAY-2016:00:00:00 AND 18-MAY-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(2)	JUPITER-AURORA-SW-IM2	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=24,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 220	EARTH
<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(2) JUPITER-AURO RA-SW-IM2	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3			2702 Secs (2702 Secs) [=>]



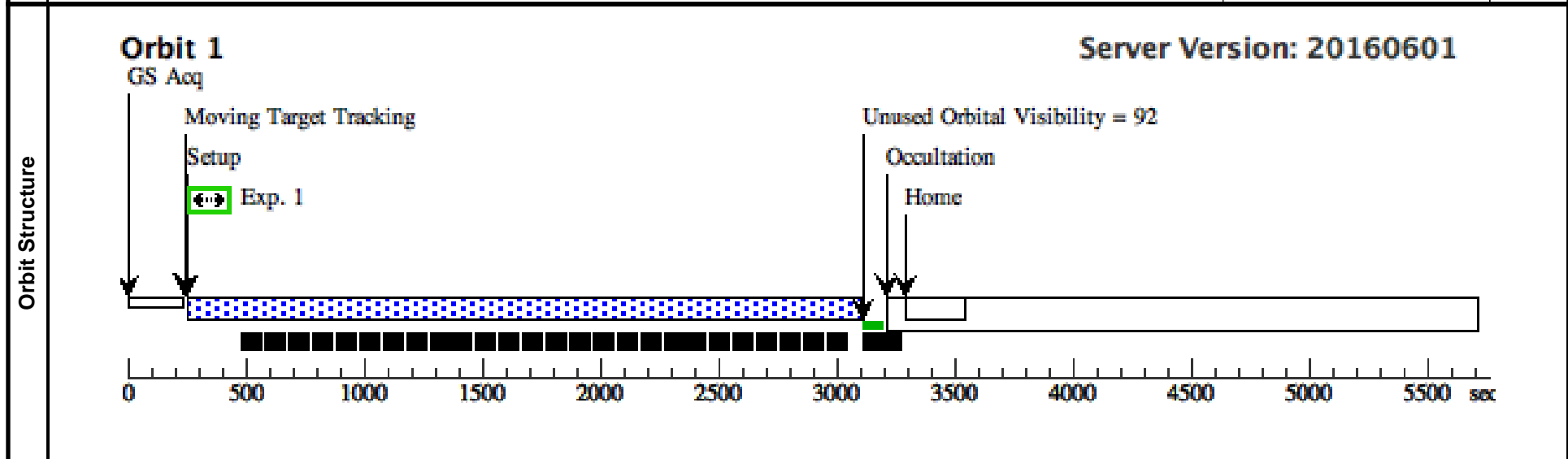
Proposal 14105 - SW3 (03) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW3 (03), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 109D TO 110 D; BETWEEN 21-MAY-2016:00:00:00 AND 22-MAY-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(3)	JUPITER-AURORA-SW-IM3	STD=JUPITER	TYPE=POS_ANGLE,RAD=21,ANG=23,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 110 220	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(3) JUPITER-AURO RA-SW-IM3	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO SINGLE		2702 Secs (2702 Secs) [=>]	[1]



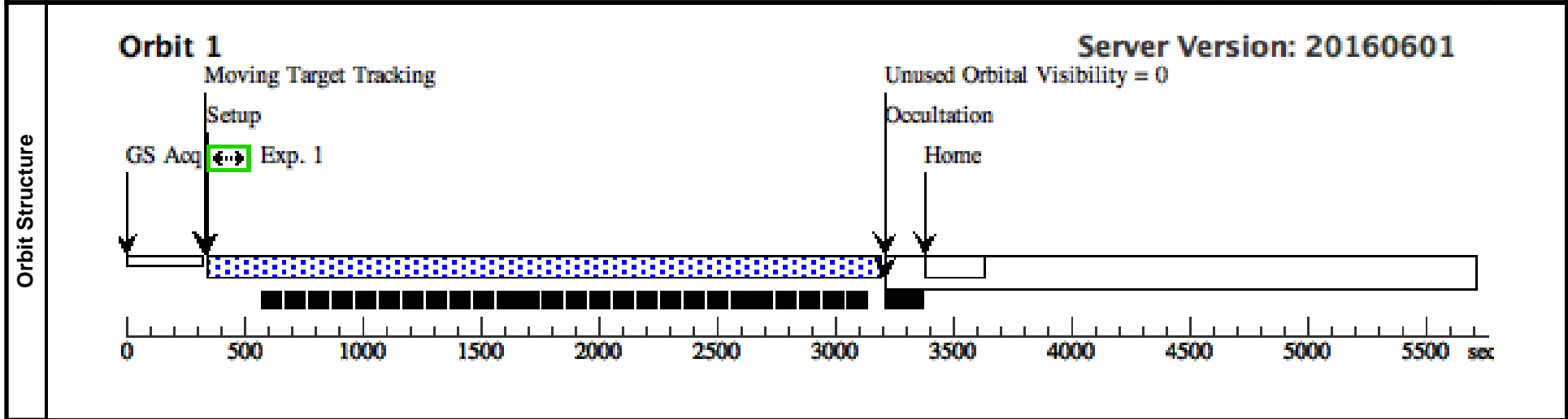
Proposal 14105 - SW4 (04) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW4 (04), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 90D TO 91 D; BETWEEN 19-MAY-2016:00:00:00 AND 20-MAY-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(4)	JUPITER-AURORA-SW-IM4	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=28,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 220	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(4) JUPITER-AURO RA-SW-IM4	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3		2702 Secs (2702 Secs)	
									[=>]	[1]



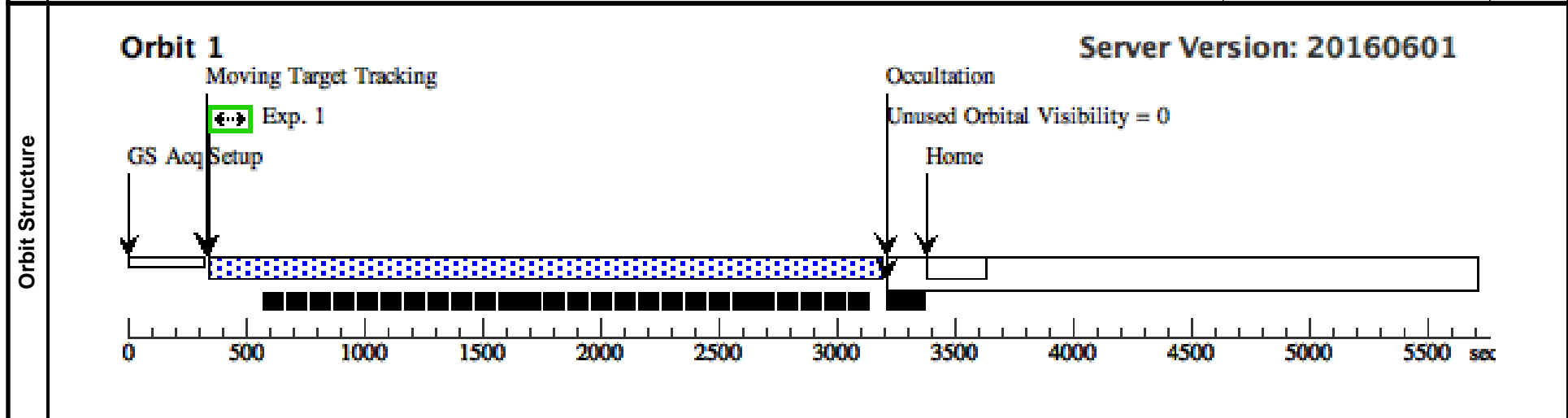
Proposal 14105 - SW5A (05) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW5A (05), completed Diagnostic Status: No Diagnostics Scientific Instruments: STIS/FUV-MAMA Special Requirements: ORIENT 90D TO 91 D; BETWEEN 18-MAY-2016:00:00:00 AND 20-MAY-2016:00:00:00; SEQ 05,06,07 WITHIN 6 H <i>Comments: This is a 3-orbit visit group, with 2 imaging and one spectral visit.</i>					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(5)	JUPITER-AURORA-SW-IM5A	STD=JUPITER	TYPE=POS_ANGLE,RAD=23,ANG=36,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 100 240	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known. For this 3 orbit group, the CML range is slightly expanded to aid scheduling.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(5) JUPITER-AURO RA-SW-IM5A	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3		2702 Secs (2702 Secs) [==>]	[1]



Proposal 14105 - SW5B (06) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	<p>Proposal 14105, SW5B (06), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/FUV-MAMA</p> <p>Special Requirements: ORIENT 123D TO 124 D; BETWEEN 18-MAY-2016:00:00:00 AND 20-MAY-2016:00:00:00; SEQ 05,06,07 WITHIN 6 H</p> <p><i>Comments: This is a 3-orbit visit group, with 2 imaging and one spectral visit. This visit is a spectral scan of the auroral region, hence ROLL is as high as possible within the allowed limit to align the slit as near to parallel with the equator as possible.</i></p>									
	<p>(SW5B (06)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.</p>									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(31)	JUPITER-AURORA-SW-SP5	STD=JUPITER	TYPE=POS_ANGLE,RAD=23,ANG=20,REF=NORTH,R_RAD=-240,R_ANG=420,EPOCH=19-MAY-2016:00:52:00,EpochTimeScale=UTC		CML OF JUPITER FROM EARTH BETWEEN 100 240	EARTH			
<p><i>Comments: This target is for taking a spectral scan of Jupiter's northern auroras. RAD, ANG, and R_RAD will depend on ROLL, and the date and time of the observations - we will work with our PC to update these once the orbit of HST is known. R_RAD is negative to slew the slit from just above the northern auroras in toward the equator. For this 3 orbit group, the CML range is slightly expanded to aid scheduling.</i></p>										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(31) JUPITER-AURORA-SW-SP5	STIS/FUV-MAMA, TIME-TAG, 52X0.5	G140L 1425 A	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3		2909 Secs (2509 Secs) [=>2509.0 Secs]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p>									
	<p>The diagram shows a timeline for Orbit 1. The x-axis is time in seconds, ranging from 0 to 5500. Key events are marked with arrows: GS Acq at ~100s, Exp. 1 (Auto-WAVECAL) at ~300s, Moving Target Tracking starting at ~600s, Setup at ~700s, Exp. 1 at ~750s, Occultation at ~3200s, Unused Orbital Visibility = 0 from ~3200s to ~3500s, Home at ~3500s, and another Exp. 1 (Auto-WAVECAL) at ~3550s. A blue checkered bar indicates the observation period from ~600s to ~3200s.</p>									

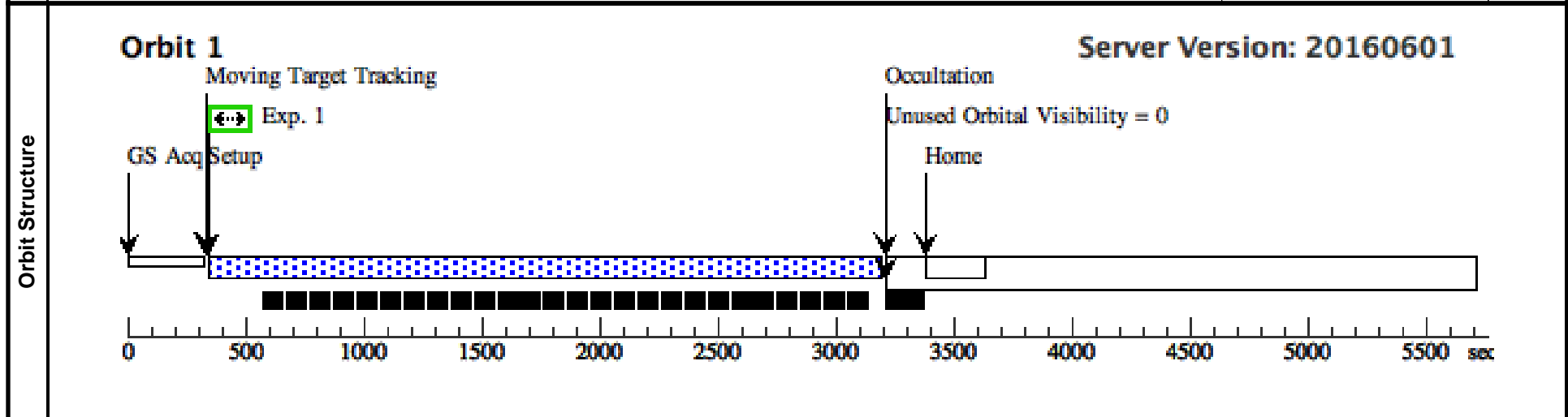
Proposal 14105 - SW5C (07) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW5C (07), completed Diagnostic Status: No Diagnostics Scientific Instruments: STIS/FUV-MAMA Special Requirements: ORIENT 90D TO 91 D; BETWEEN 18-MAY-2016:00:00:00 AND 20-MAY-2016:00:00:00; SEQ 05,06,07 WITHIN 6 H <i>Comments: This is a 3-orbit visit group, with 2 imaging and one spectral visit.</i>					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(6)	JUPITER-AURORA-SW-IM5B	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=15,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 100 260	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known. For this 3 orbit group, the CML range is slightly expanded to aid scheduling.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(6) JUPITER-AURO RA-SW-IM5B	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3		2813 Secs (2702 Secs) [=>2702.0 Secs]	[1]



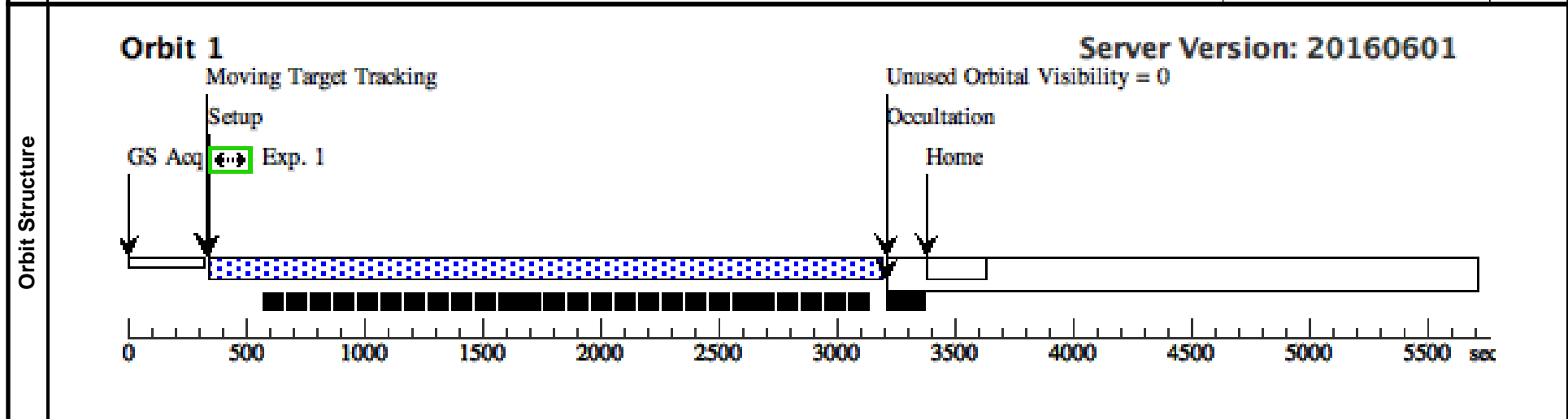
Proposal 14105 - SW6 (08) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW6 (08), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 97D TO 97 D; BETWEEN 21-MAY-2016:00:00:00 AND 22-MAY-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(7)	JUPITER-AURORA-SW-IM6	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=32,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 220	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(7) JUPITER-AURO RA-SW-IM6	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3		2702 Secs (2702 Secs)	
									[=>]	[1]



Proposal 14105 - SW7 (09) - Observing Jupiter's FUV auroras near Juno orbit insertion

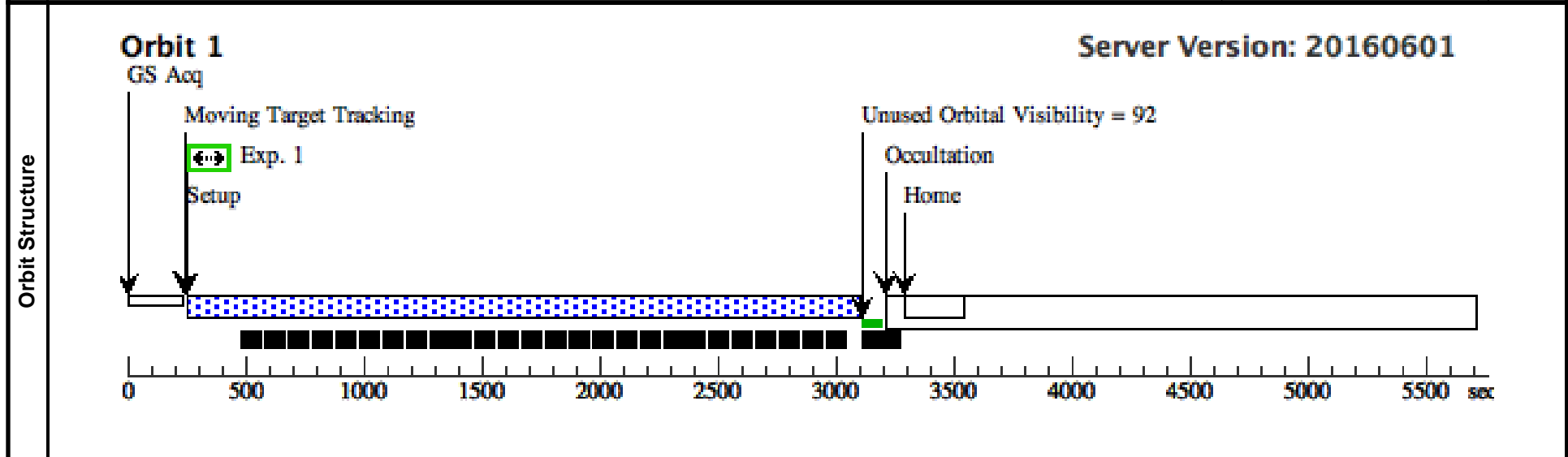
Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW7 (09), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 22-MAY-2016:00:00:00 AND 23-MAY-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(8)	JUPITER-AURORA-SW-IM7	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=24,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(8) JUPITER-AURO RA-SW-IM7	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO SINGLE			2702 Secs (2702 Secs) [=>]



Proposal 14105 - SW8 (10) - Observing Jupiter's FUV auroras near Juno orbit insertion

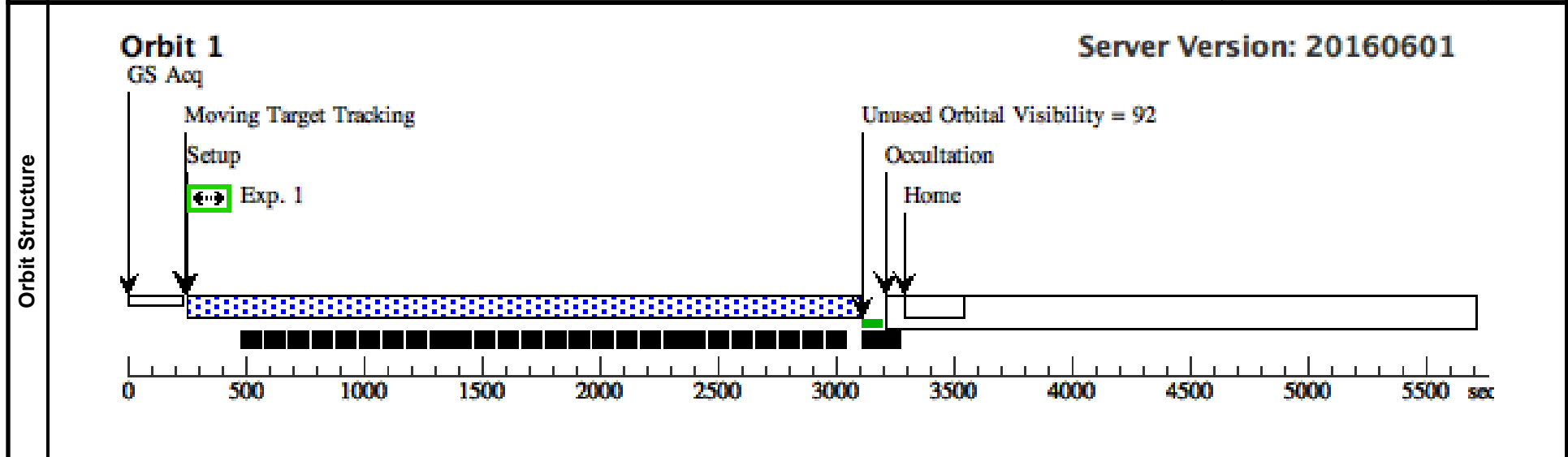
Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW8 (10), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 23-MAY-2016:00:00:00 AND 24-MAY-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(9)	JUPITER-AURORA-SW-IM8	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=34,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(9) JUPITER-AURO RA-SW-IM8	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO SINGLE			2702 Secs (2702 Secs) [=>]



Proposal 14105 - SW9 (11) - Observing Jupiter's FUV auroras near Juno orbit insertion

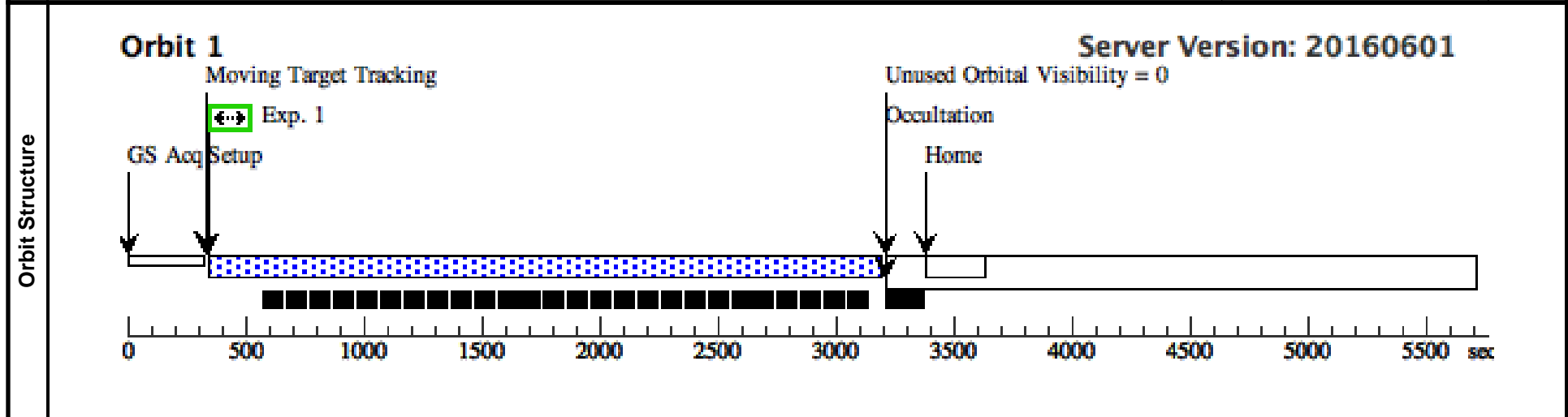
Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW9 (11), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 25-MAY-2016:00:00:00 AND 26-MAY-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(10)	JUPITER-AURORA-SW-IM9	STD=JUPITER	TYPE=POS_ANGLE,RAD=21,ANG=18,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(10) JUPITER-AURORA-SW-IM9	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



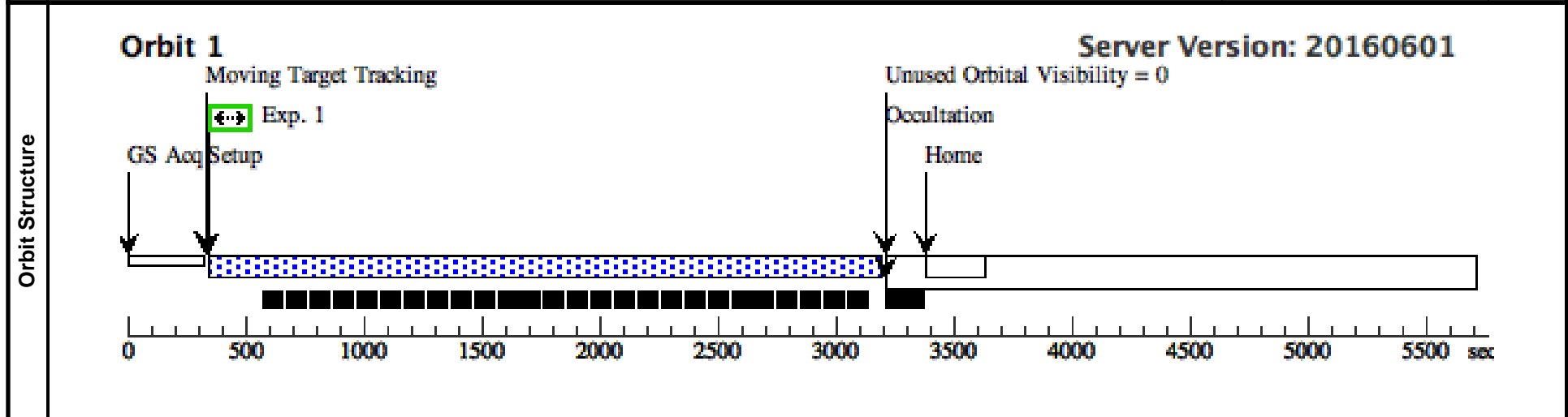
Proposal 14105 - SW10 (12) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW10 (12), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 116D TO 116 D; BETWEEN 26-MAY-2016:00:00:00 AND 27-MAY-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(11)	JUPITER-AURORA-SW-IM10	STD=JUPITER	TYPE=POS_ANGLE,RAD=21.5,ANG=14,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 230	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(11) JUPITER-AURORA-SW-IM10	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3		2702 Secs (2702 Secs)	
									[=>]	[1]



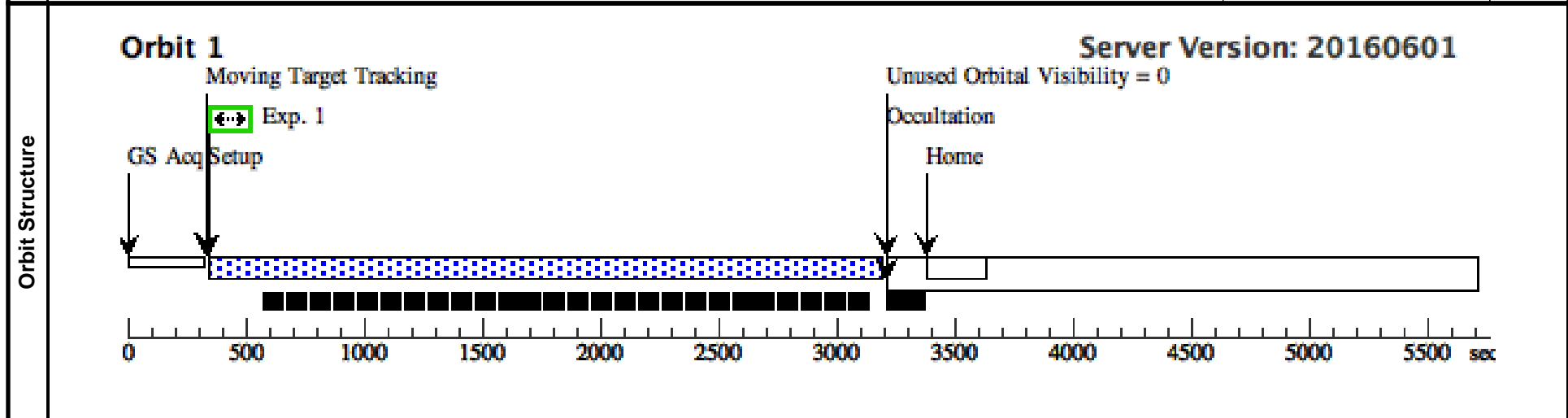
Proposal 14105 - SW11A (13) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW11A (13), completed Diagnostic Status: No Diagnostics Scientific Instruments: STIS/FUV-MAMA Special Requirements: ORIENT 107D TO 108 D; BETWEEN 24-MAY-2016:00:00:00 AND 25-MAY-2016:00:00:00; SEQ 13,14,15 WITHIN 6 H <i>Comments: This is a 3-orbit visit group, with 2 imaging and one spectral visit.</i>					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(12)	JUPITER-AURORA-SW-IM11A	STD=JUPITER	TYPE=POS_ANGLE,RAD=23,ANG=40,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 80 240	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known. For this 3 orbit group, the CML range is slightly expanded to aid scheduling.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(12) JUPITER-AURORA-SW-IM11A	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3		2702 Secs (2702 Secs) [=>]	[1]



Proposal 14105 - SW11B (14) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	<p>Proposal 14105, SW11B (14), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/FUV-MAMA</p> <p>Special Requirements: ORIENT 109D TO 110 D; BETWEEN 24-MAY-2016:00:00:00 AND 25-MAY-2016:00:00:00; SEQ 13,14,15 WITHIN 6 H</p> <p><i>Comments: This is a 3-orbit visit group, with 2 imaging and one spectral visit. This visit is a spectral scan of the auroral region, hence ROLL is as high as possible within the allowed limit to align the slit as near to parallel with the equator as possible.</i></p>																										
	<p>(SW11B (14)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.</p>																										
Diagnostics																											
Solar System Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Level 1</th> <th>Level 2</th> <th>Level 3</th> <th>Window</th> <th>Ephem Center</th> </tr> </thead> <tbody> <tr> <td>(32)</td> <td>JUPITER-AURORA-SW-SP11</td> <td>STD=JUPITER</td> <td>TYPE=POS_ANGLE,RAD=23,ANG=23,REF=NORTH,R_RAD=-240,R_ANG=570,EPOCH=24-MAY-2016:19:07:00,EpochTimeScale=UTC</td> <td></td> <td>CML OF JUPITER FROM EARTH BETWEEN 100 240</td> <td>EARTH</td> </tr> </tbody> </table>	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center	(32)	JUPITER-AURORA-SW-SP11	STD=JUPITER	TYPE=POS_ANGLE,RAD=23,ANG=23,REF=NORTH,R_RAD=-240,R_ANG=570,EPOCH=24-MAY-2016:19:07:00,EpochTimeScale=UTC		CML OF JUPITER FROM EARTH BETWEEN 100 240	EARTH	<p><i>Comments: This target is for taking a spectral scan of Jupiter's northern auroras. RAD, ANG, and R_RAD will depend on ROLL, and the date and time of the observations - we will work with our PC to update these once the orbit of HST is known. R_RAD is negative to slew the slit from just above the northern auroras in toward the equator. For this 3 orbit group, the CML range is slightly expanded to aid scheduling.</i></p>											
	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center																				
(32)	JUPITER-AURORA-SW-SP11	STD=JUPITER	TYPE=POS_ANGLE,RAD=23,ANG=23,REF=NORTH,R_RAD=-240,R_ANG=570,EPOCH=24-MAY-2016:19:07:00,EpochTimeScale=UTC		CML OF JUPITER FROM EARTH BETWEEN 100 240	EARTH																					
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>(STIS.im.73 3411)</td> <td>(32) JUPITER-AURORA-SW-SP11</td> <td>STIS/FUV-MAMA, TIME-TAG, 52X0.5</td> <td>G140L 1425 A</td> <td>BUFFER-TIME=99</td> <td>GS ACQ SCENARIO BASE1B3</td> <td></td> <td>2909 Secs (2509 Secs) [=>2509.0 Secs]</td> <td>[1]</td> </tr> </tbody> </table>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	(STIS.im.73 3411)	(32) JUPITER-AURORA-SW-SP11	STIS/FUV-MAMA, TIME-TAG, 52X0.5	G140L 1425 A	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3		2909 Secs (2509 Secs) [=>2509.0 Secs]	[1]						
	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																	
1	(STIS.im.73 3411)	(32) JUPITER-AURORA-SW-SP11	STIS/FUV-MAMA, TIME-TAG, 52X0.5	G140L 1425 A	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3		2909 Secs (2509 Secs) [=>2509.0 Secs]	[1]																		
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p> <p>Exp. 1 (Auto-WAVECAL)</p> <p>GS Acq</p> <p>Moving Target Tracking</p> <p>Exp. 1</p> <p>Setup</p> <p>Occultation</p> <p>Unused Orbital Visibility = 0</p> <p>Exp. 1 (Auto-WAVECAL)</p> <p>Home</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>																										

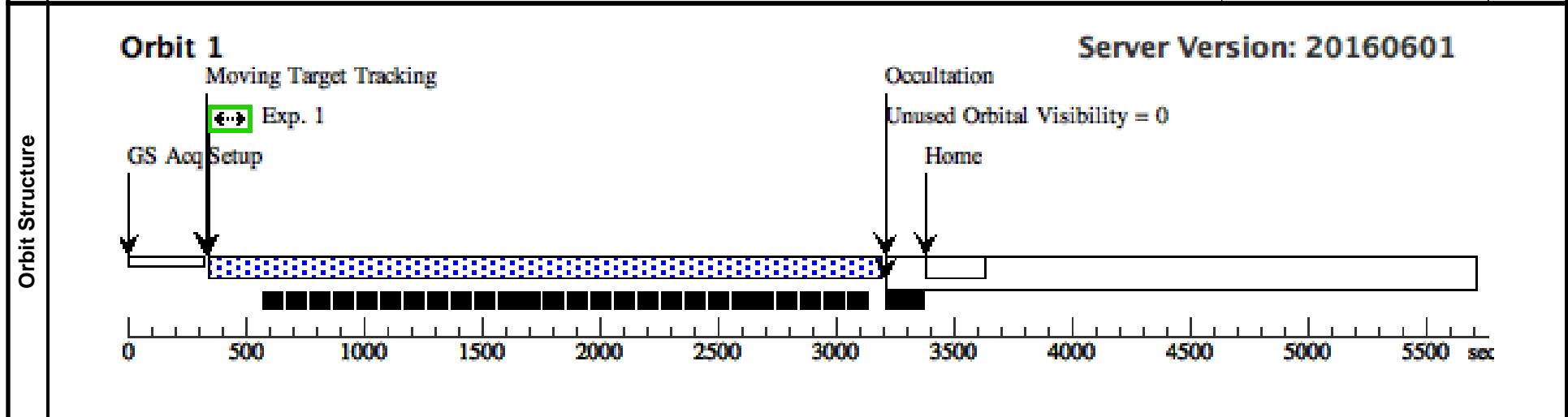
Proposal 14105 - SW11C (15) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW11C (15), completed					
	Diagnostic Status: No Diagnostics Scientific Instruments: STIS/FUV-MAMA Special Requirements: ORIENT 109D TO 110 D; BETWEEN 24-MAY-2016:00:00:00 AND 25-MAY-2016:00:00:00; SEQ 13,14,15 WITHIN 6 H <i>Comments: This is a 3-orbit visit group, with 2 imaging and one spectral visit.</i>					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(13)	JUPITER-AURORA-SW-IM11B	STD=JUPITER	TYPE=POS_ANGLE,RAD=21,ANG=13,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 100 240	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known. For this 3 orbit group, the CML range is slightly expanded to aid scheduling.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(13) JUPITER-AURORA-SW-IM11B	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3		2813 Secs (2702 Secs) [=>2702.0 Secs]	[1]



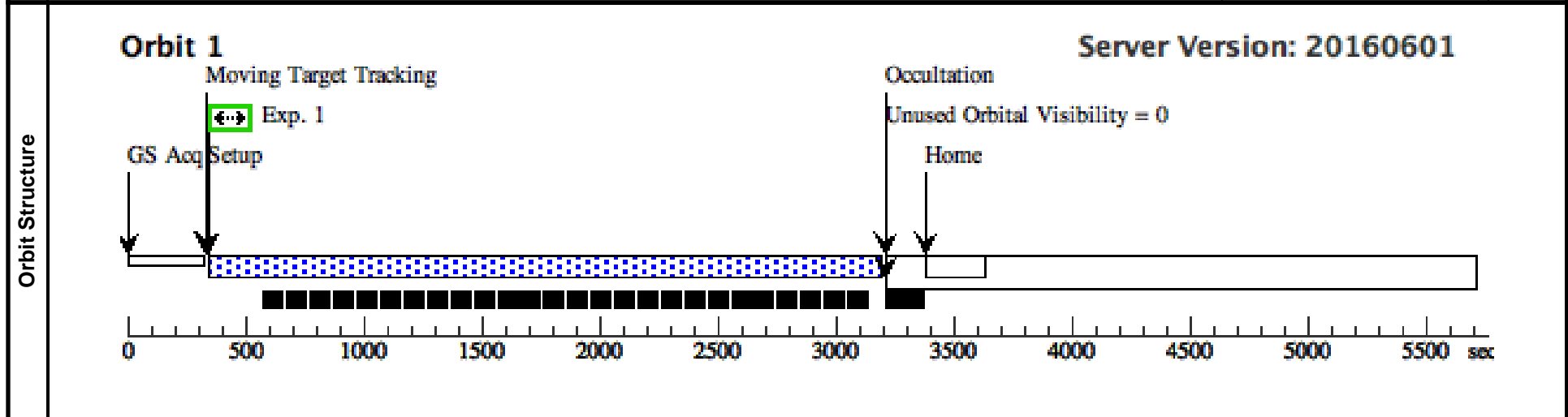
Proposal 14105 - SW12 (16) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW12 (16), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 95D TO 95 D; BETWEEN 27-MAY-2016:00:00:00 AND 28-MAY-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(14)	JUPITER-AURORA-SW-IM12	STD=JUPITER	TYPE=POS_ANGLE,RAD=21,ANG=23,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220
<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(14) JUPITER-AURORA-SW-IM12	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



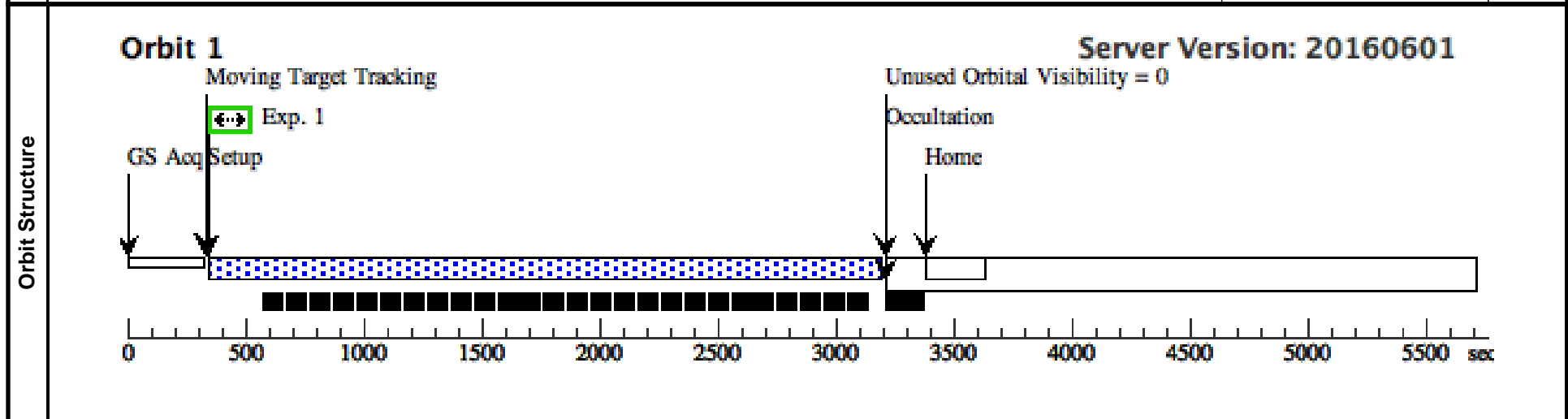
Proposal 14105 - SW13 (17) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW13 (17), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 105D TO 105 D; BETWEEN 28-MAY-2016:00:00:00 AND 29-MAY-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(15)	JUPITER-AURORA-SW-IM13	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=33,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220
<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(15) JUPITER-AURORA-SW-IM13	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



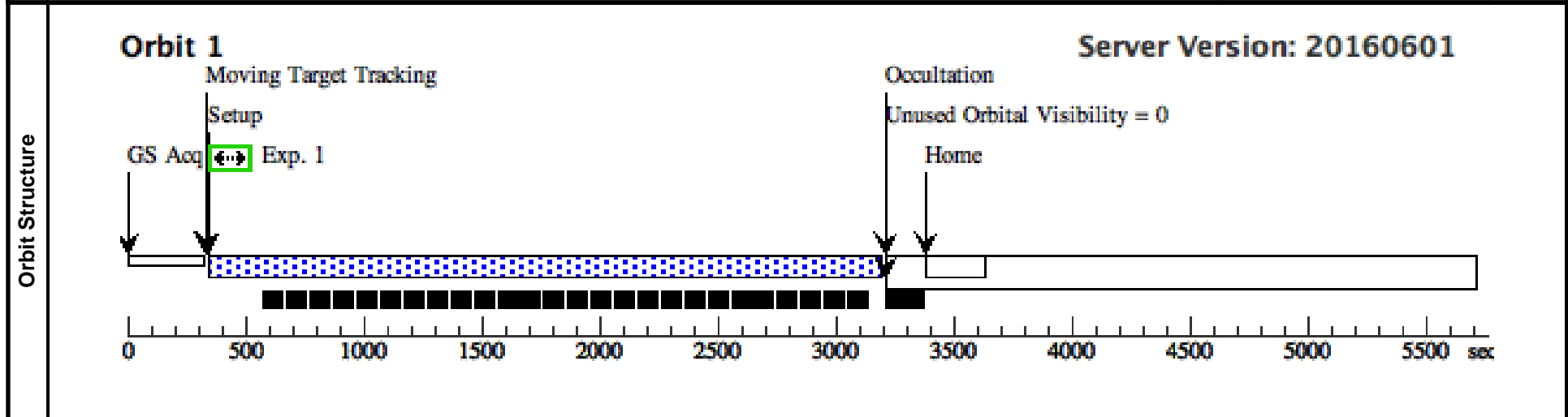
Proposal 14105 - SW14 (18) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW14 (18), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 118D TO 119 D; BETWEEN 29-MAY-2016:00:00:00 AND 30-MAY-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(16)	JUPITER-AURORA-SW-IM14	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=25,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220
<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(16) JUPITER-AURORA-SW-IM14	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3			2702 Secs (2702 Secs) [=>]



Proposal 14105 - SW15 (19) - Observing Jupiter's FUV auroras near Juno orbit insertion

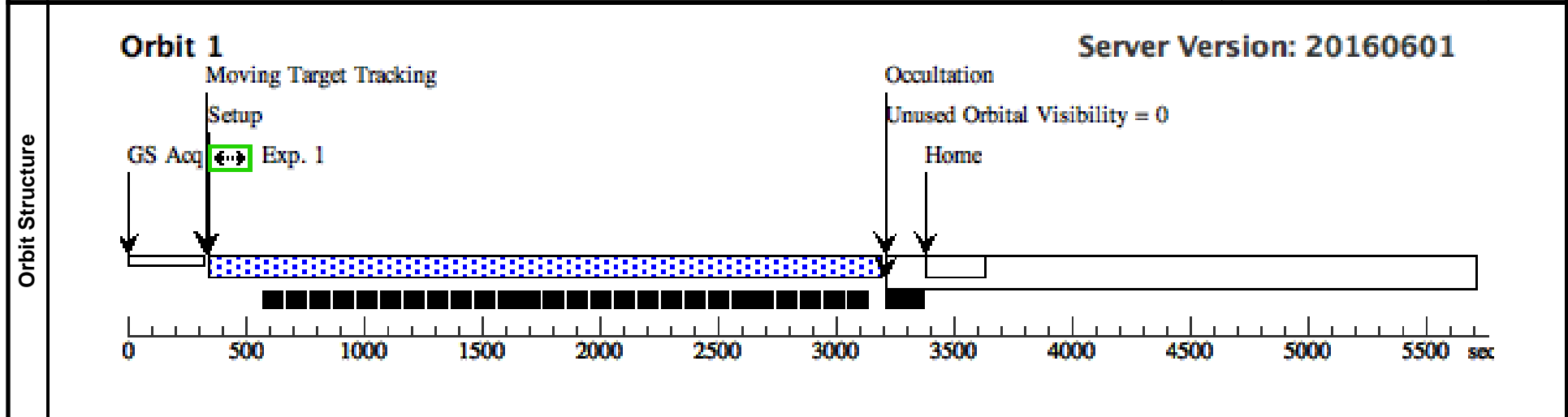
Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW15 (19), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 100D TO 101 D; BETWEEN 30-MAY-2016:00:00:00 AND 31-MAY-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(17)	JUPITER-AURORA-SW-IM15	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=32,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(17) JUPITER-AURORA-SW-IM15	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3			2702 Secs (2702 Secs) [=>]



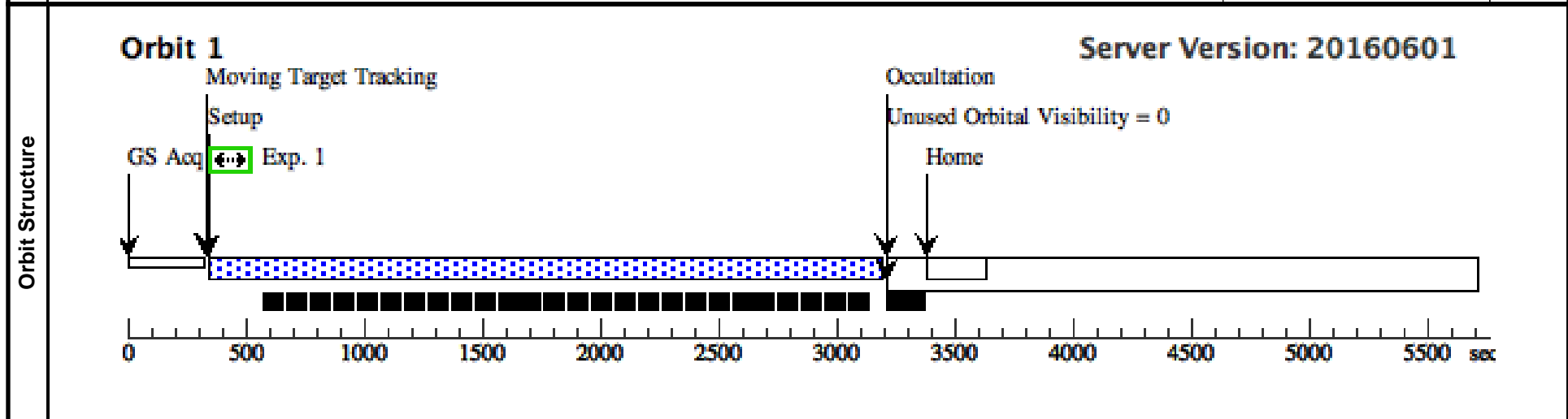
Proposal 14105 - SW16 (20) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW16 (20), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 96D TO 97 D; BETWEEN 31-MAY-2016:00:00:00 AND 01-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(18)	JUPITER-AURORA-SW-IM16	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=29,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220
<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(18) JUPITER-AURORA-SW-IM16	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



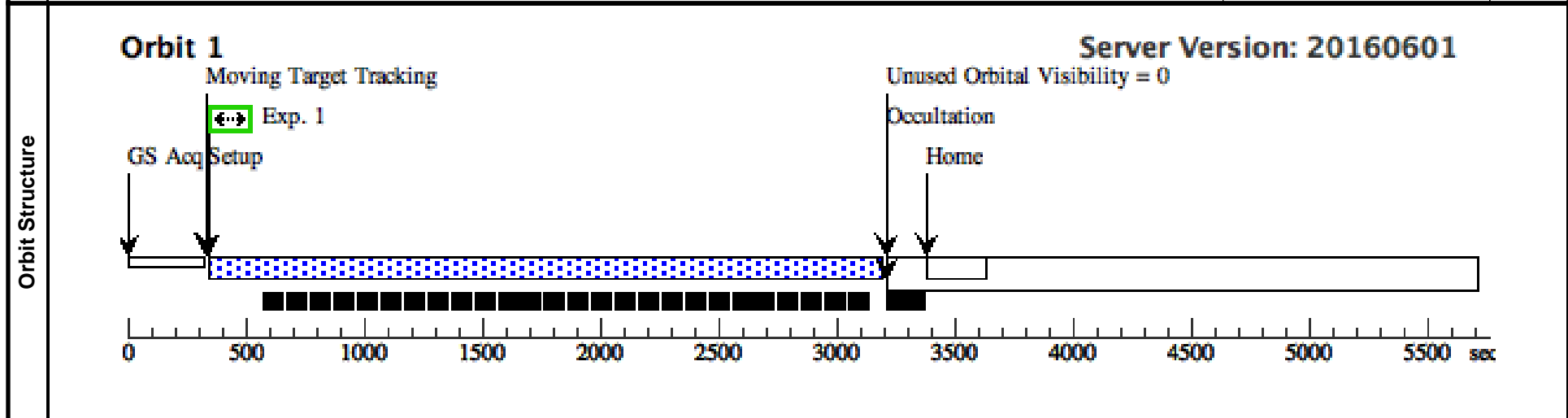
Proposal 14105 - SW17A (21) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:17 GMT 2016

Visit	Proposal 14105, SW17A (21), completed Diagnostic Status: No Diagnostics Scientific Instruments: STIS/FUV-MAMA Special Requirements: ORIENT 102D TO 103 D; BETWEEN 01-JUN-2016:00:00:00 AND 02-JUN-2016:00:00:00; SEQ 21,22,23 WITHIN 6 H Comments: This is a 3-orbit visit group, with 2 imaging and one spectral visit.					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(19)	JUPITER-AURORA-SW-IM17A	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=35,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 100 240	EARTH
	Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known. For this 3 orbit group, the CML range is slightly expanded to aid scheduling.						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(19) JUPITER-AURORA-SW-IM17A	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3		2702 Secs (2702 Secs) [==>]	[1]



Proposal 14105 - SW17B (22) - Observing Jupiter's FUV auroras near Juno orbit insertion

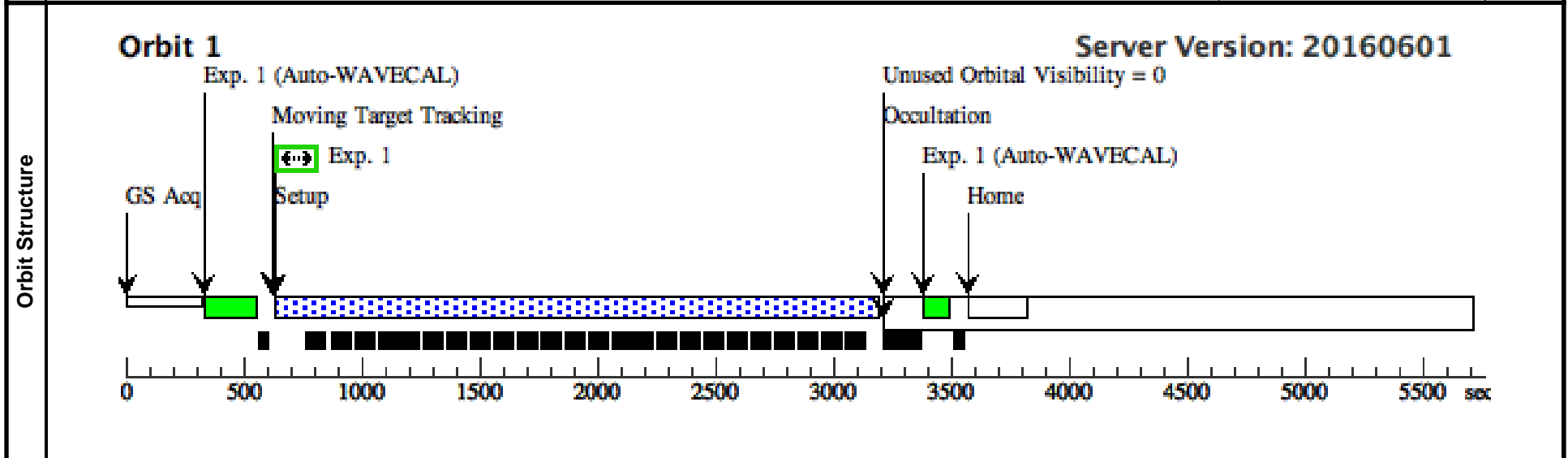
Fri Jul 29 17:06:18 GMT 2016

Visit	<p>Proposal 14105, SW17B (22), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: STIS/FUV-MAMA</p> <p>Special Requirements: ORIENT 96D TO 96.5 D; BETWEEN 01-JUN-2016:00:00:00 AND 02-JUN-2016:00:00:00; SEQ 21,22,23 WITHIN 6 H</p> <p><i>Comments: This is a 3-orbit visit group, with 2 imaging and one spectral visit. This visit is a spectral scan of the auroral region, hence ROLL is as high as possible within the allowed limit to align the slit as near to parallel with the equator as possible.</i></p>
	<p>(SW17B (22)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.</p>

Diagnostics	<p>(SW17B (22)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.</p>

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(33)	JUPITER-AURORA-SW-SP17	STD=JUPITER	TYPE=POS_ANGLE,RAD=23,ANG=15,REF=NORTH,R_RAD=-120,R_ANG=830,EPOCH=01-JUN-2016:16:29:00,EpochTimeScale=UTC			CML OF JUPITER FROM EARTH BETWEEN 100 240
	<p><i>Comments: This target is for taking a spectral scan of Jupiter's northern auroras. RAD, ANG, and R_RAD will depend on ROLL, and the date and time of the observations - we will work with our PC to update these once the orbit of HST is known. R_RAD is negative to slew the slit from just above the northern auroras in toward the equator. For this 3 orbit group, the CML range is slightly expanded to aid scheduling.</i></p>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(33) JUPITER-AURORA-SW-SP17	STIS/FUV-MAMA, TIME-TAG, 52X0.5	G140L 1425 A	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3			2909 Secs (2509 Secs) [=>2509.0 Secs]



Proposal 14105 - SW17C (23) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

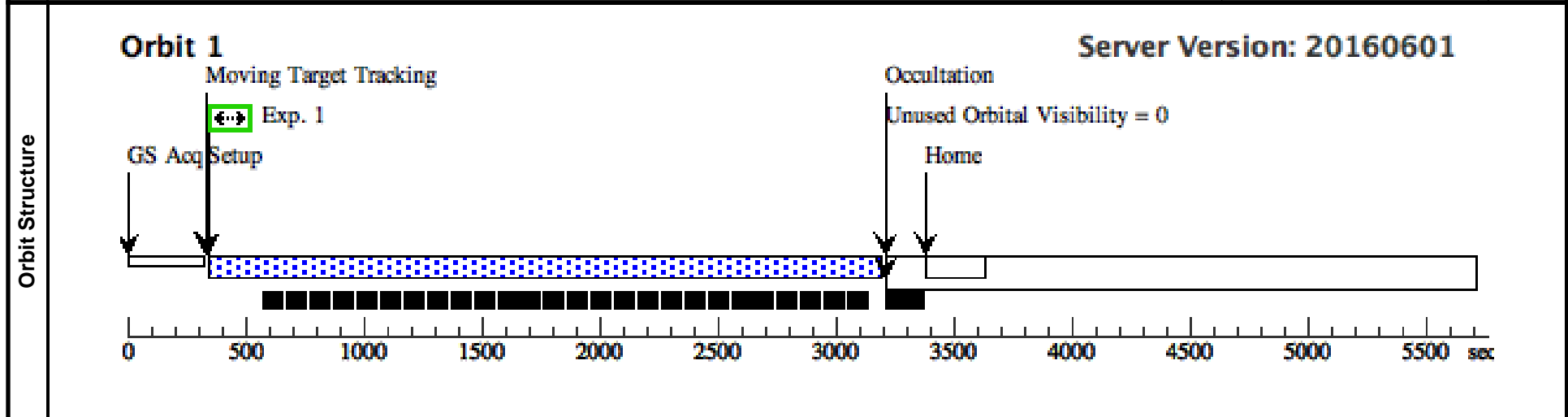
Visit	Proposal 14105, SW17C (23), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 101D TO 102 D; BETWEEN 01-JUN-2016:00:00:00 AND 02-JUN-2016:00:00:00; SEQ 21,22,23 WITHIN 6 H					

Comments: This is a 3-orbit visit group, with 2 imaging and one spectral visit.

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(20)	JUPITER-AURORA-SW-IM17B	STD=JUPITER	TYPE=POS_ANGLE,RAD=21,ANG=12,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 100 260	EARTH

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known. For this 3 orbit group, the CML range is slightly expanded to aid scheduling.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(20) JUPITER-AURORA-SW-IM17B	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99			2813 Secs (2702 Secs) [=>2702.0 Secs]	[1]



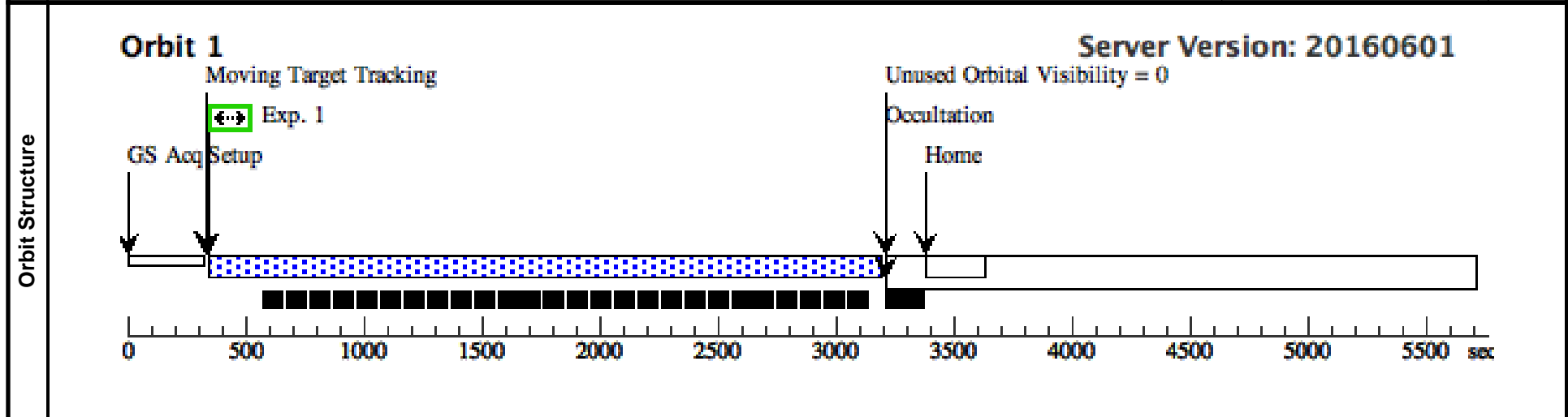
Proposal 14105 - SW18 (24) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, SW18 (24), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 96.0D TO 96.0 D; BETWEEN 02-JUN-2016:00:00:00 AND 03-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(21)	JUPITER-AURORA-SW-IM18	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=28,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 220	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(21) JUPITER-AURORA-SW-IM18	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3		2702 Secs (2702 Secs)	
									[=>]	[1]



Proposal 14105 - SW19 (25) - Observing Jupiter's FUV auroras near Juno orbit insertion

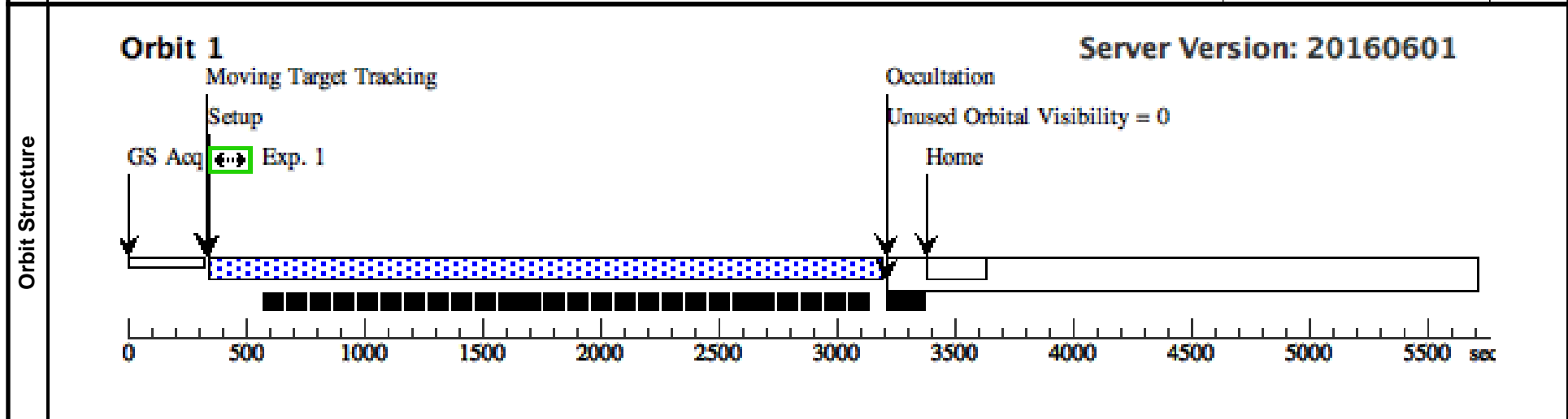
Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, SW19 (25), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 119D TO 120 D; BETWEEN 03-JUN-2016:00:00:00 AND 04-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(22)	JUPITER-AURORA-SW-IM19	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=23,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(22) JUPITER-AURORA-SW-IM19	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



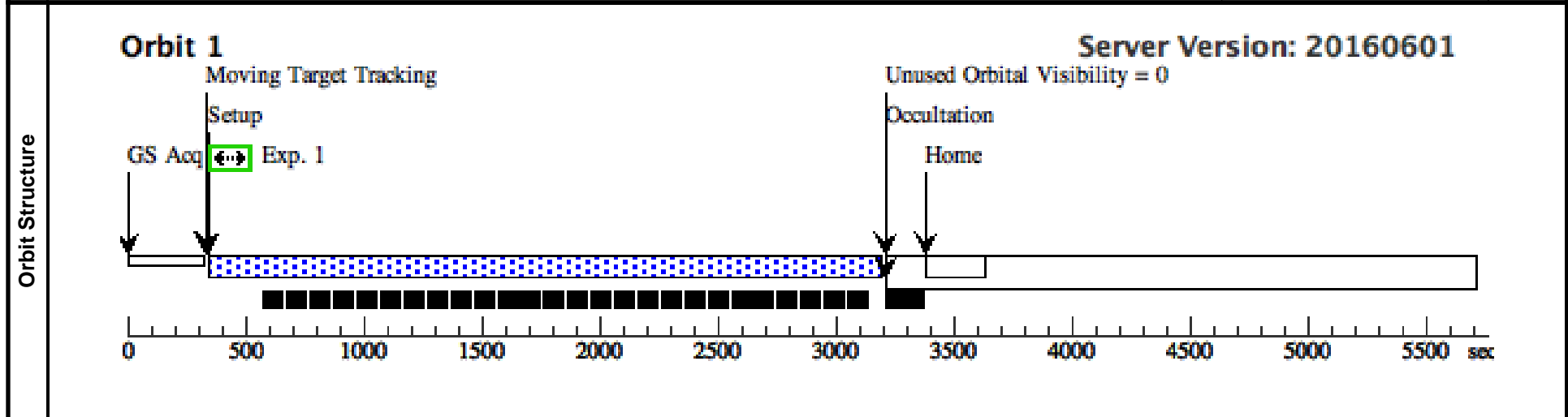
Proposal 14105 - SW20 (26) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, SW20 (26), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 111D TO 112 D; BETWEEN 04-JUN-2016:00:00:00 AND 05-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(23)	JUPITER-AURORA-SW-IM20	STD=JUPITER	TYPE=POS_ANGLE,RAD=21,ANG=17,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220
<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(23) JUPITER-AURORA-SW-IM20	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



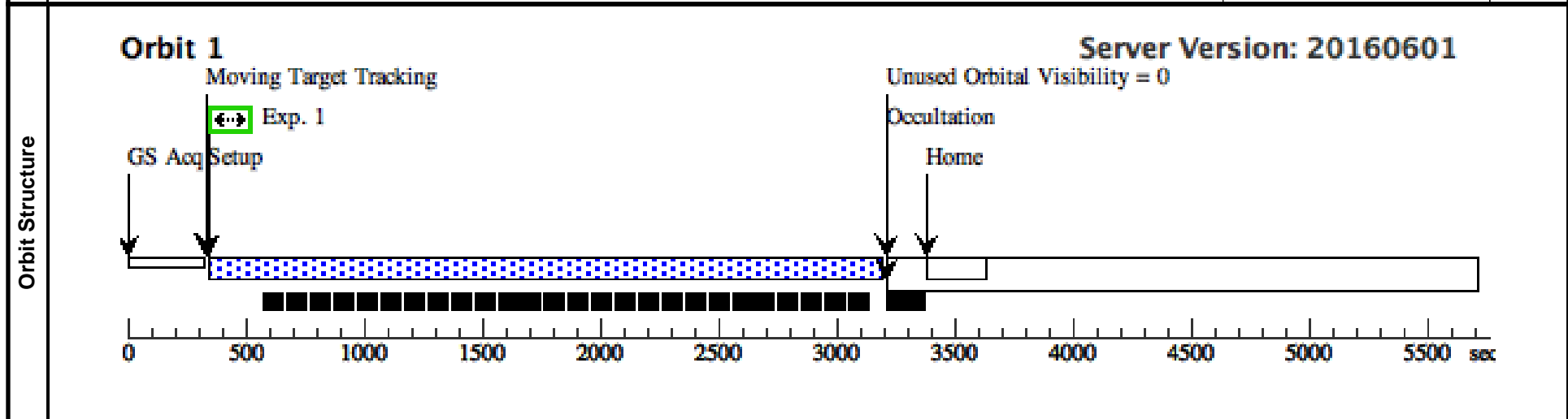
Proposal 14105 - SW21 (27) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, SW21 (27), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 111D TO 112 D; BETWEEN 05-JUN-2016:00:00:00 AND 06-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(24)	JUPITER-AURORA-SW-IM21	STD=JUPITER	TYPE=POS_ANGLE,RAD=21,ANG=22,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 220	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(24) JUPITER-AURORA-SW-IM21	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3		2702 Secs (2702 Secs) [=>]	[1]



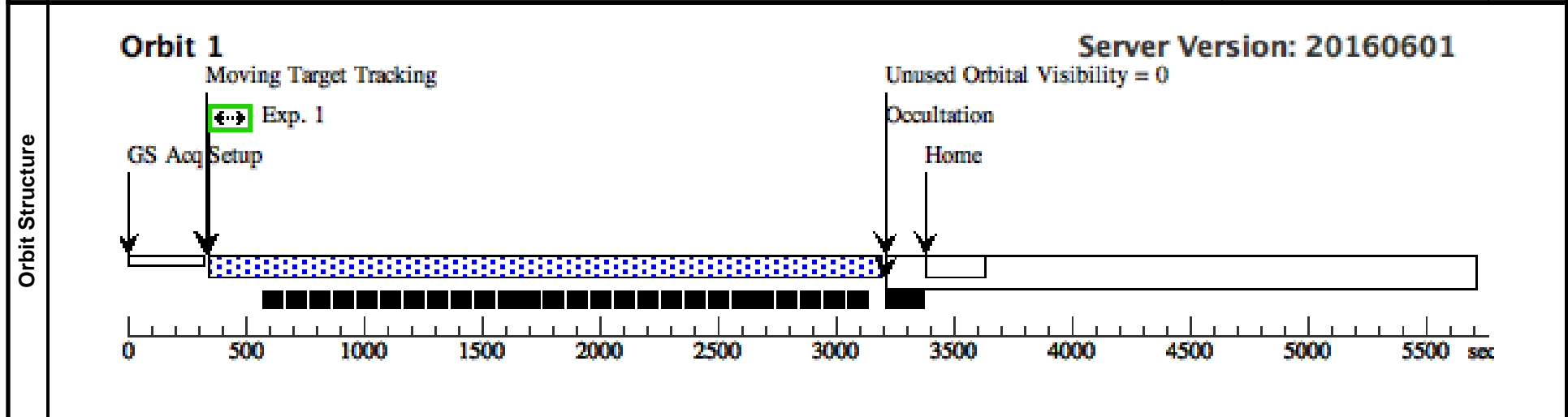
Proposal 14105 - SW22 (28) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, SW22 (28), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 116D TO 117 D; BETWEEN 06-JUN-2016:00:00:00 AND 07-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(25)	JUPITER-AURORA-SW-IM22	STD=JUPITER	TYPE=POS_ANGLE,RAD=21,ANG=18,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 220	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(25) JUPITER-AURORA-SW-IM22	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3		2702 Secs (2702 Secs) [=>]	[1]



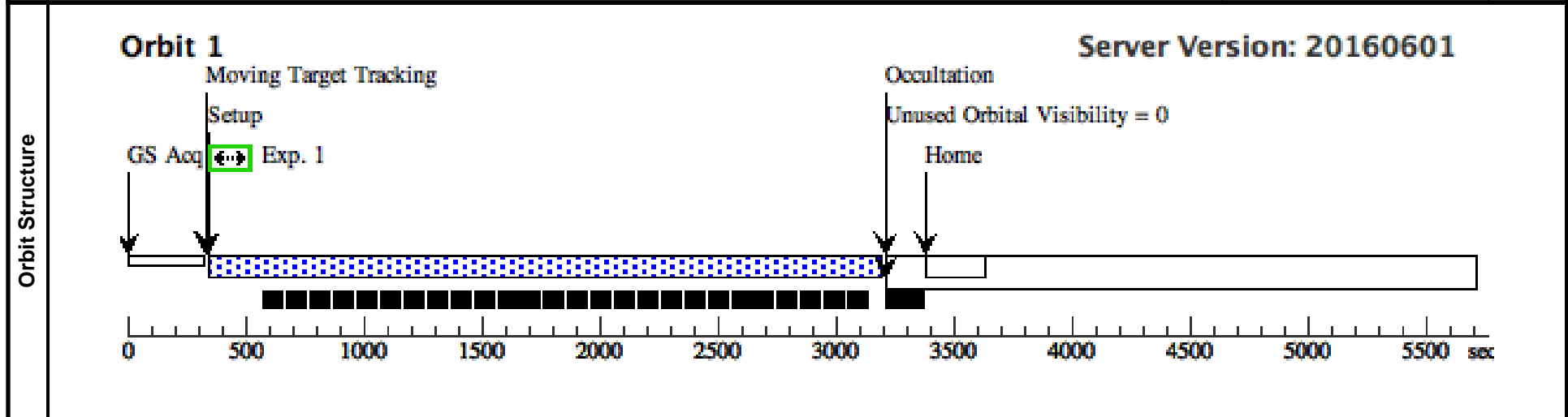
Proposal 14105 - SW23 (29) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, SW23 (29), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 117D TO 117 D; BETWEEN 07-JUN-2016:00:00:00 AND 08-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(26)	JUPITER-AURORA-SW-IM23	STD=JUPITER	TYPE=POS_ANGLE,RAD=21,ANG=205,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 310 110
<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(26) JUPITER-AURORA-SW-IM23	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



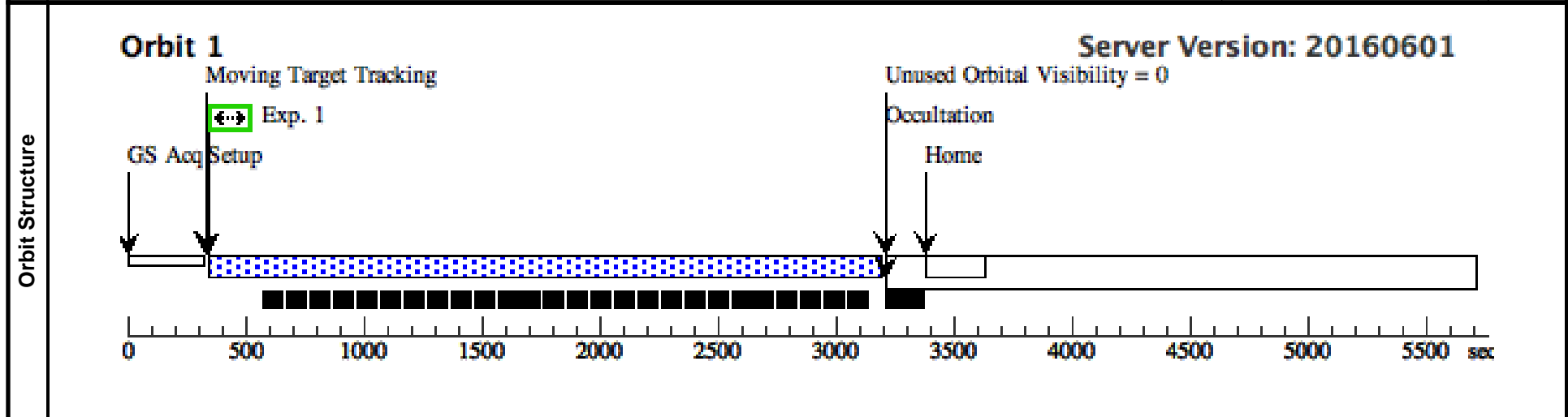
Proposal 14105 - SW24 (30) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, SW24 (30), scheduled					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 22-JUN-2016:00:00:00 AND 23-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(27)	JUPITER-AURORA-SW-IM24	STD=JUPITER	TYPE=POS_ANGLE,RAD=21,ANG=208,REF=NORTH			
<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(27) JUPITER-AURORA-SW-IM24	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3			2702 Secs (2702 Secs) [==>]



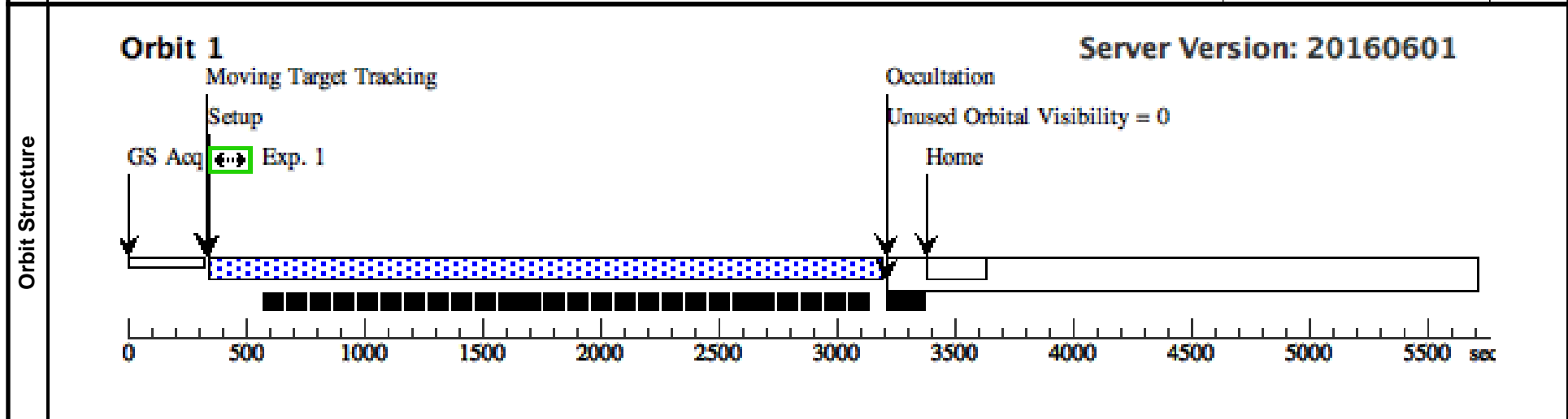
Proposal 14105 - SW25 (31) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, SW25 (31), scheduled					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 25-JUN-2016:00:00:00 AND 26-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(28)	JUPITER-AURORA-SW-IM25	STD=JUPITER	TYPE=POS_ANGLE,RAD=19,ANG=208,REF=NORTH			EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(28) JUPITER-AURORA-SW-IM25	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3		2702 Secs (2702 Secs)	
									[=>]	[1]



Proposal 14105 - SW26 (32) - Observing Jupiter's FUV auroras near Juno orbit insertion

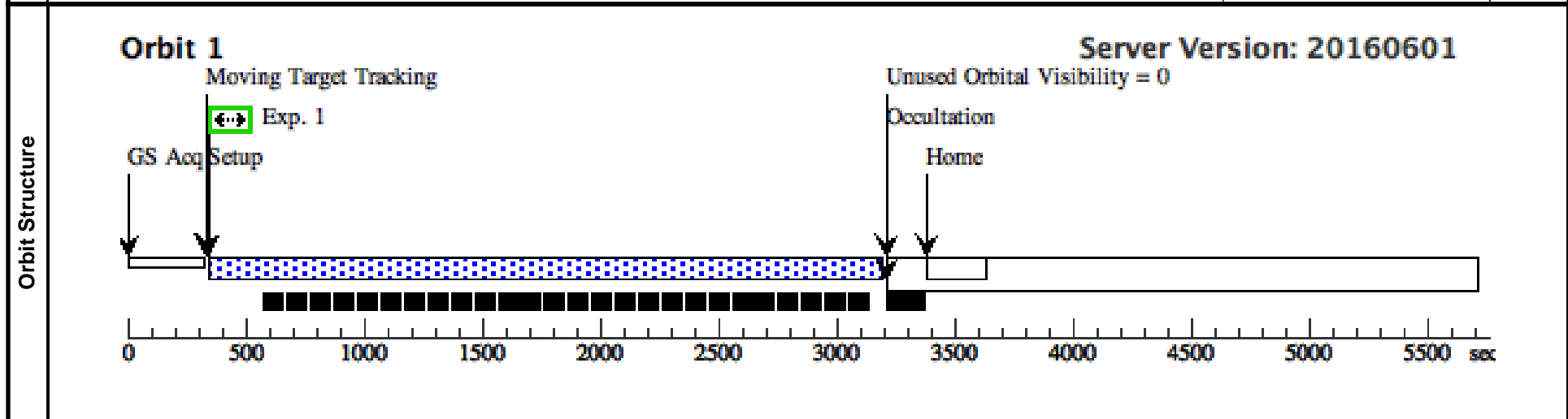
Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, SW26 (32), scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 27-JUN-2016:00:00:00 AND 28-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(29)	JUPITER-AURORA-SW-IM26	STD=JUPITER	TYPE=POS_ANGLE,RAD=19,ANG=208,REF=NORTH			

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(29) JUPITER-AURORA-SW-IM26	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



Proposal 14105 - SW27 (33) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

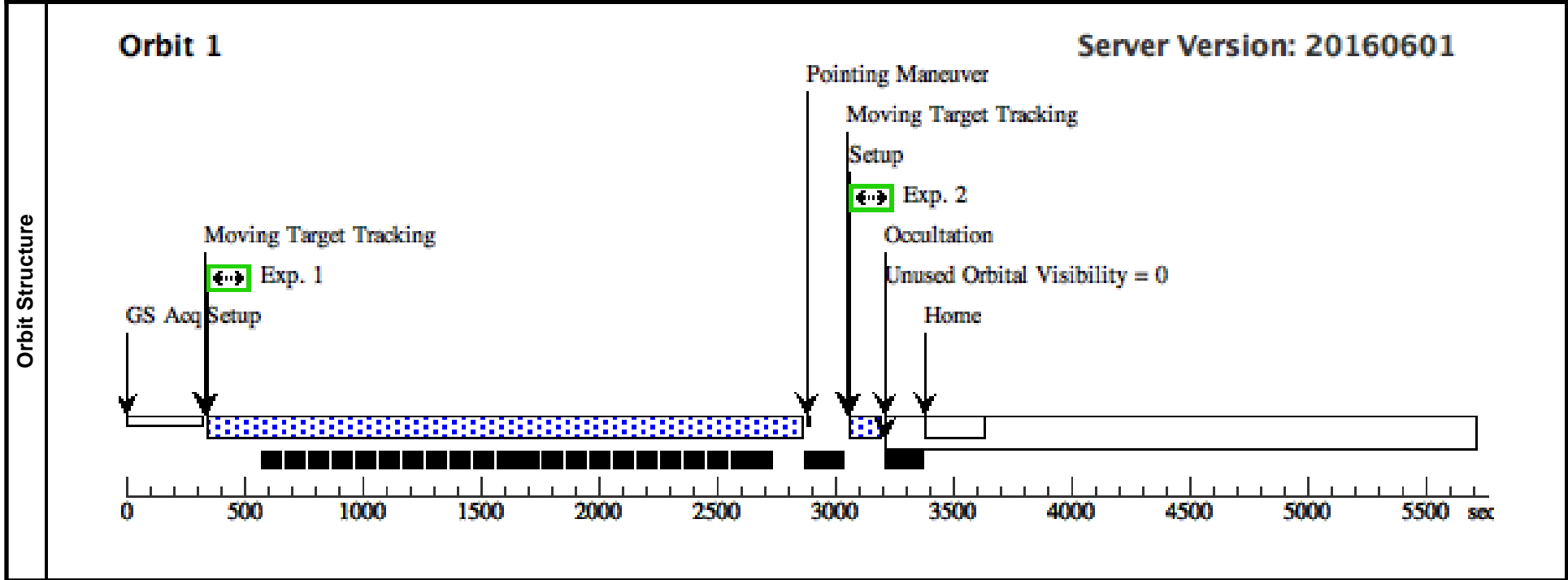
Visit	Proposal 14105, SW27 (33), scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 30-JUN-2016:12:00:00 AND 01-JUL-2016:00:00:00					

Comments: The BETWEEN of this visit is slightly extended to ease schedulability near the end of the MOON schedulable interval

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(30)	JUPITER-AURORA-SW-IM27	STD=JUPITER	TYPE=POS_ANGLE,RAD=19,ANG=208,REF=NORTH			EARTH

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(30) JUPITER-AURORA-SW-IM27	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3		2369 Secs (2369 Secs)	
									[=>]	[1]
	2	(STIS.im.73 3411)	(30) JUPITER-AURORA-SW-IM27	STIS/FUV-MAMA, TIME-TAG, F25QTZ	MIRROR	BUFFER-TIME=99			100 Secs (100 Secs)	
									[=>]	[1]



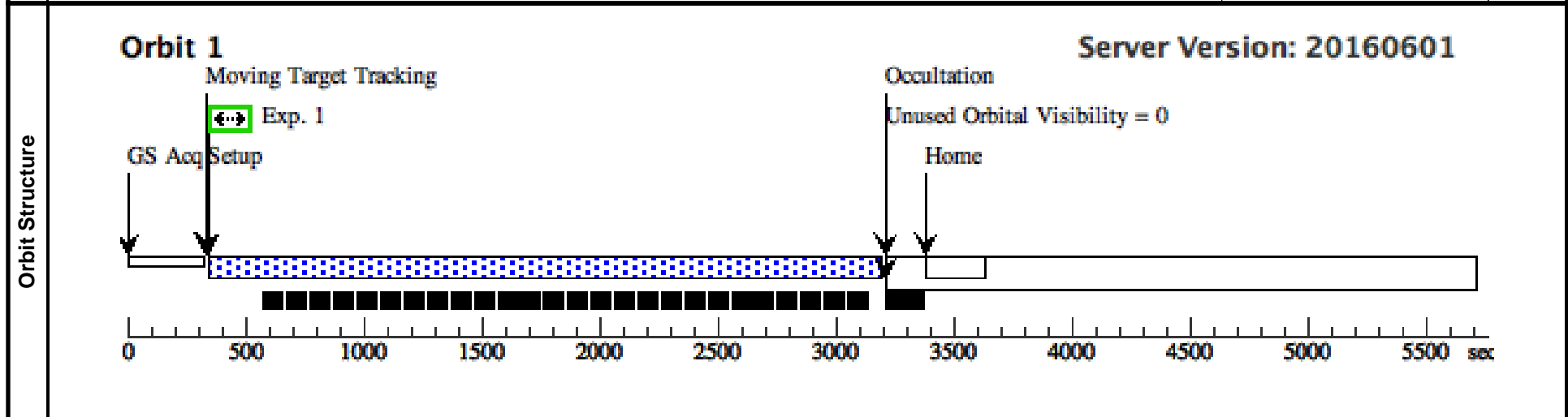
Proposal 14105 - IN1 (34) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, IN1 (34), scheduled Diagnostic Status: No Diagnostics Scientific Instruments: STIS/FUV-MAMA Special Requirements: BETWEEN 23-JUN-2016:00:00:00 AND 24-JUN-2016:00:00:00 Comments: This is the first visit of the inbound magnetosphere phase of the program, starting on 23 June					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(34)	JUPITER-AURORA-IN-IM28	STD=JUPITER	TYPE=POS_ANGLE,RAD=21,ANG=30,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 220	EARTH
Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(34) JUPITER-AURORA-IN-IM28	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3			2702 Secs (2702 Secs) [==>]



Proposal 14105 - IN2 (35) - Observing Jupiter's FUV auroras near Juno orbit insertion

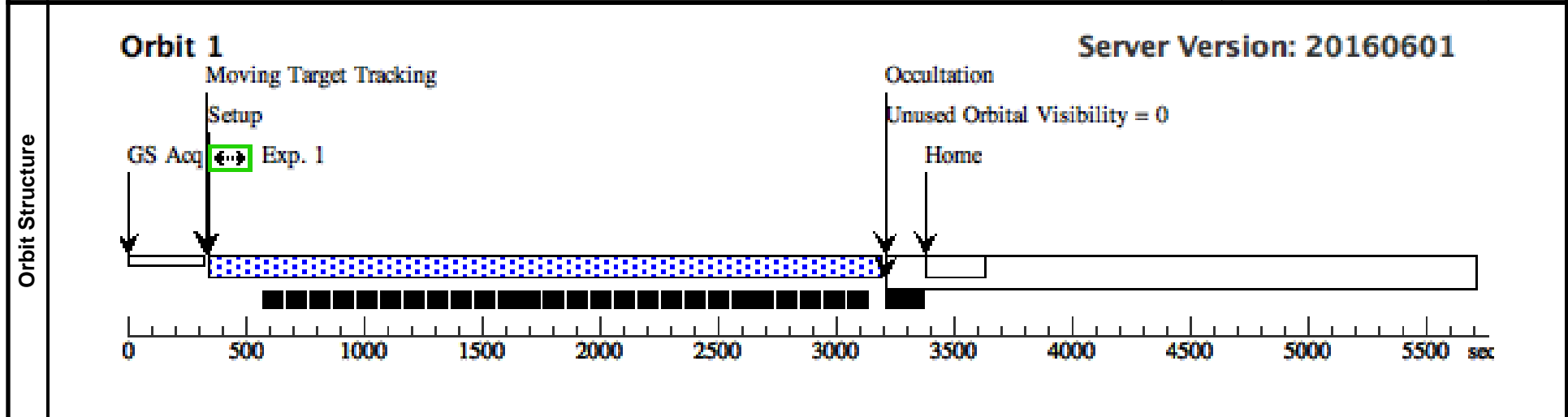
Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, IN2 (35), scheduled					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 24-JUN-2016:00:00:00 AND 25-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(35)	JUPITER-AURORA-IN-IM29	STD=JUPITER	TYPE=POS_ANGLE,RAD=20,ANG=22,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(35) JUPITER-AURORA-IN-IM29	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



Proposal 14105 - IN3 (36) - Observing Jupiter's FUV auroras near Juno orbit insertion

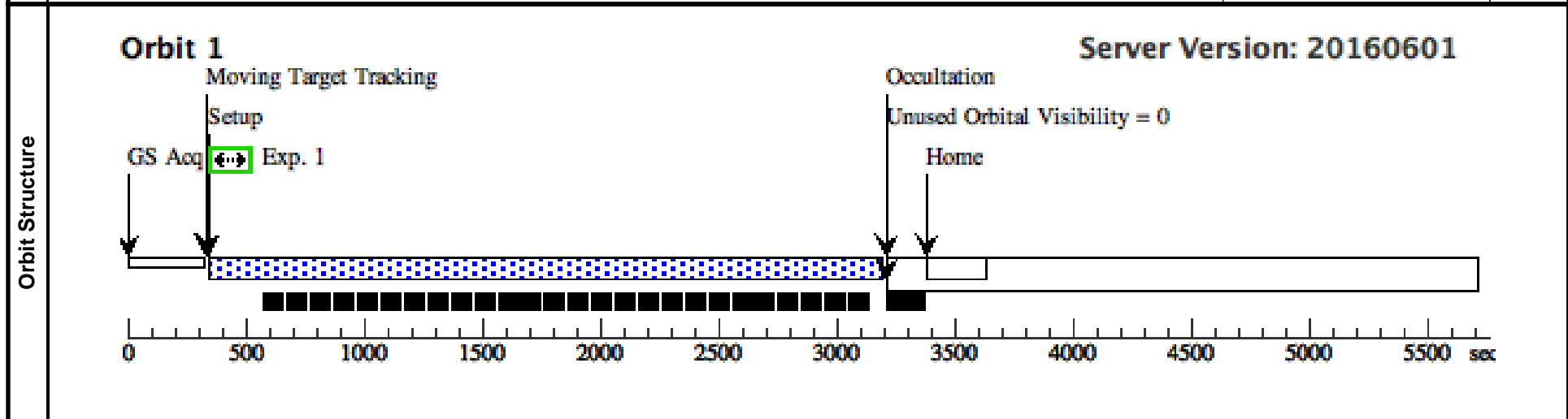
Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, IN3 (36), scheduled					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 25-JUN-2016:00:00:00 AND 26-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(36)	JUPITER-AURORA-IN-IM30	STD=JUPITER	TYPE=POS_ANGLE,RAD=20,ANG=33,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(36) JUPITER-AURORA-IN-IM30	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



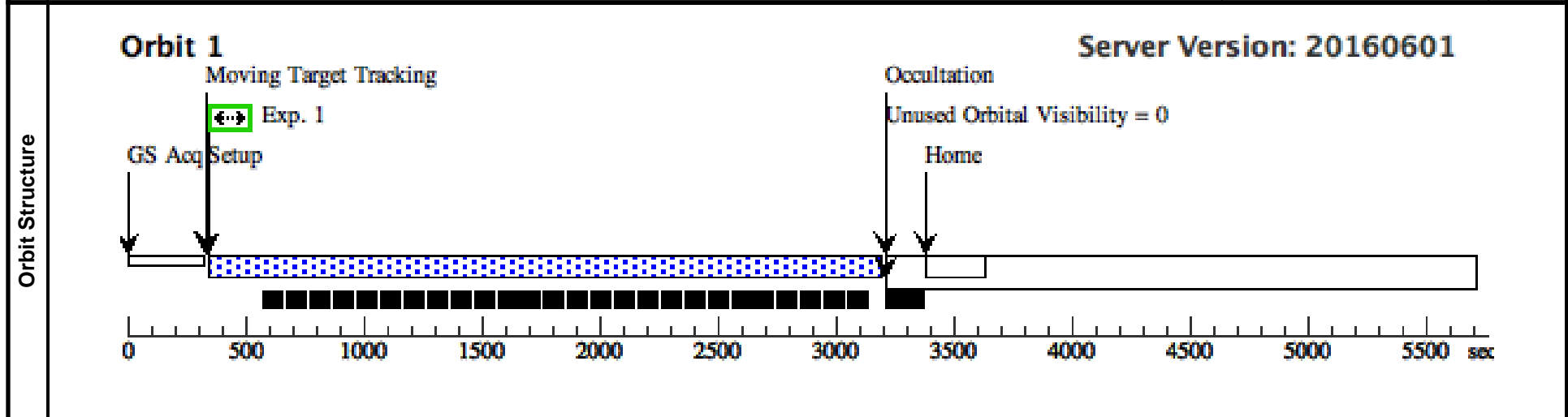
Proposal 14105 - IN4 (37) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, IN4 (37), scheduled					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 26-JUN-2016:00:00:00 AND 27-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(37)	JUPITER-AURORA-IN-IM31	STD=JUPITER	TYPE=POS_ANGLE,RAD=19,ANG=27,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 220	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(37) JUPITER-AURORA-IN-IM31	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3		2702 Secs (2702 Secs)	
									[=>]	[1]



Proposal 14105 - IN5 (38) - Observing Jupiter's FUV auroras near Juno orbit insertion

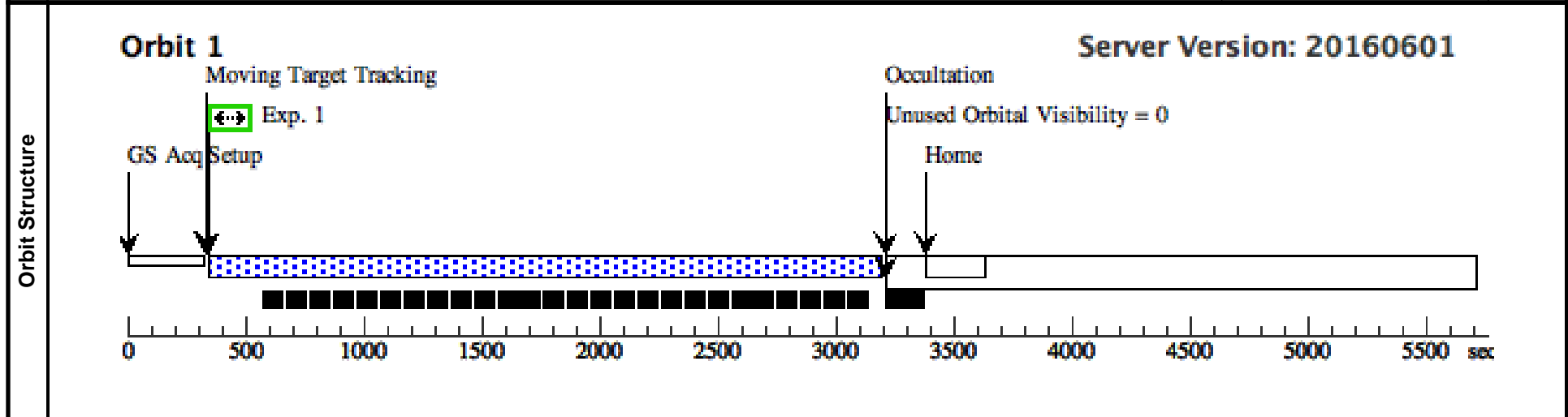
Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, IN5 (38), scheduled					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 26-JUN-2016:21:00:00 AND 28-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(38)	JUPITER-AURORA-IN-IM32	STD=JUPITER	TYPE=POS_ANGLE,RAD=19,ANG=20,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(38) JUPITER-AURORA-IN-IM32	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



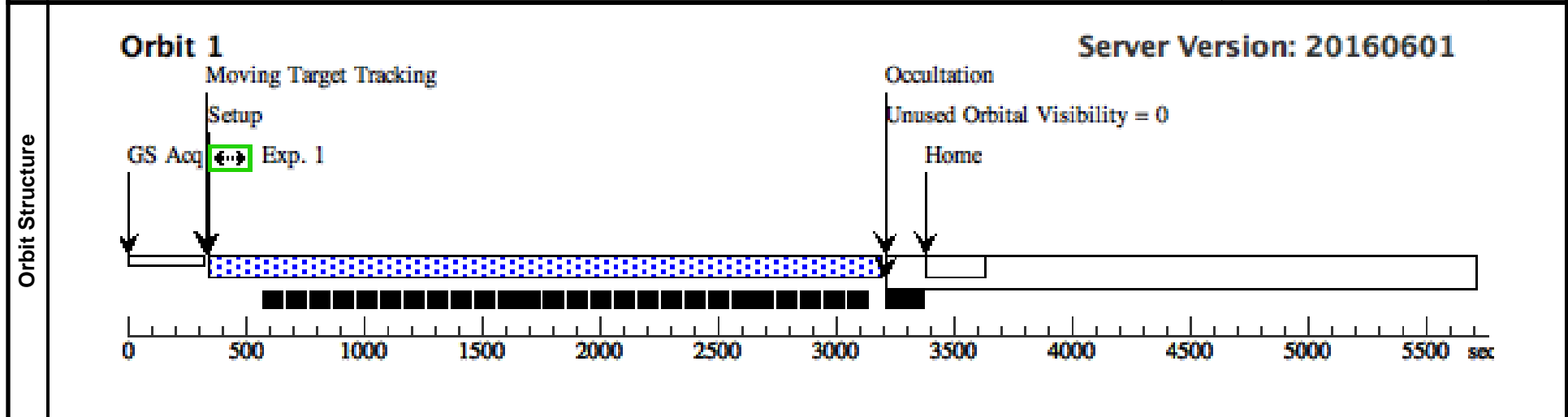
Proposal 14105 - IN6 (39) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, IN6 (39), scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 28-JUN-2016:00:00:00 AND 29-JUN-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(39)	JUPITER-AURORA-IN-IM33	STD=JUPITER	TYPE=POS_ANGLE,RAD=19,ANG=30,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 220	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(39) JUPITER-AURORA-IN-IM33	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3		2702 Secs (2702 Secs)	
									[=>]	[1]



Proposal 14105 - IN7 (40) - Observing Jupiter's FUV auroras near Juno orbit insertion

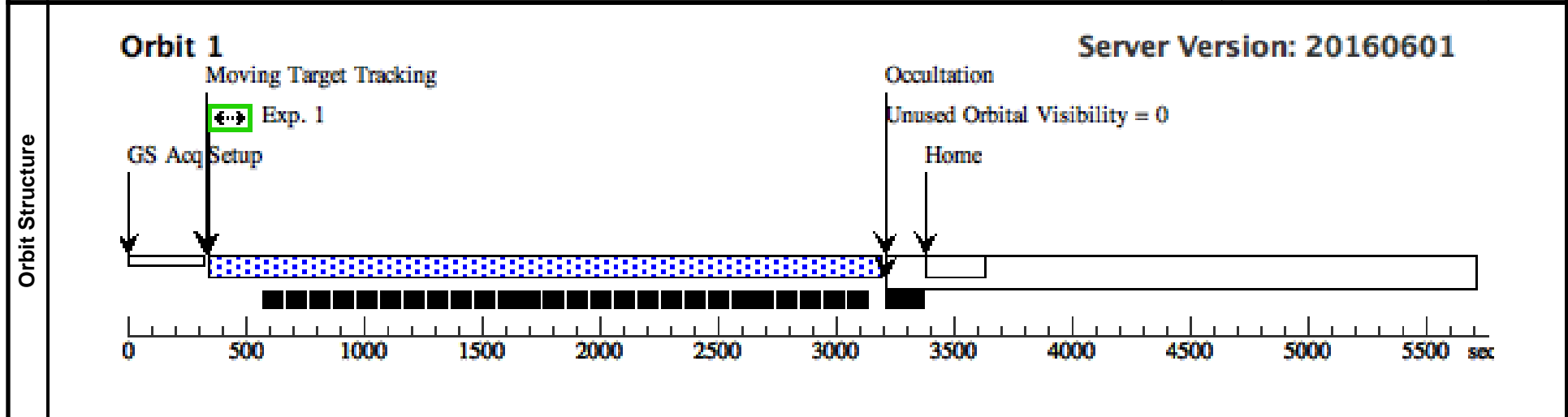
Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, IN7 (40), scheduling					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 29-JUN-2016:00:00:00 AND 01-JUL-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(40)	JUPITER-AURORA-IN-IM34	STD=JUPITER	TYPE=POS_ANGLE,RAD=19,ANG=28,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(40) JUPITER-AURORA-IN-IM34	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



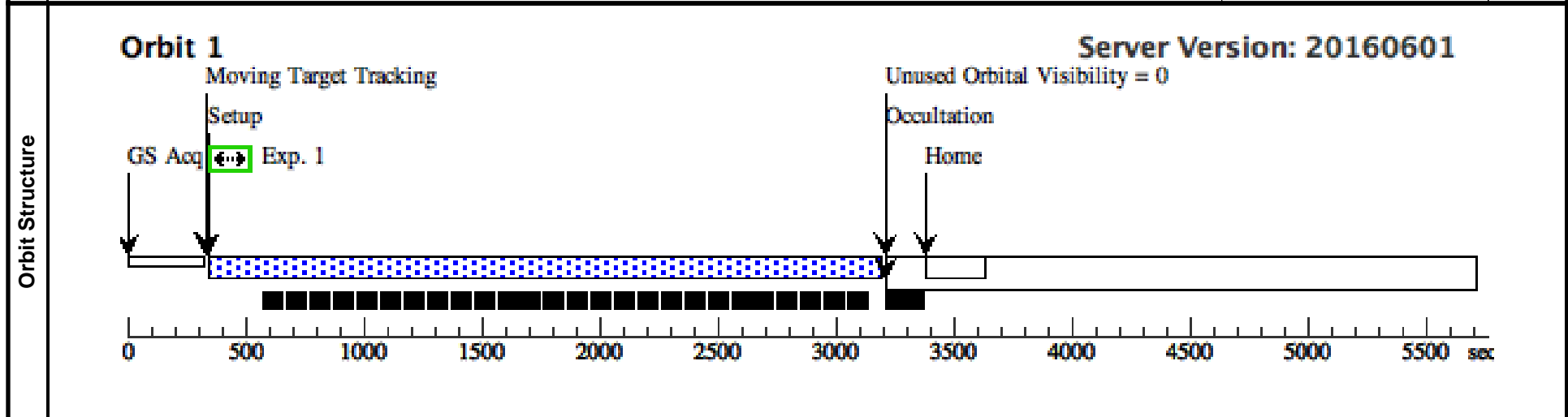
Proposal 14105 - CO1 (41) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, CO1 (41), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/FUV-MAMA Special Requirements: BETWEEN 11-JUL-2016:00:00:00 AND 12-JUL-2016:00:00:00 <i>Comments: This is the first visit of the capture orbit phase of the program, starting on 11 July</i>					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(41)	JUPITER-AURORA-CO-IM35	STD=JUPITER	TYPE=POS_ANGLE,RAD=18,ANG=28,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 220	EARTH
<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(41) JUPITER-AURORA-CO-IM35	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3			2702 Secs (2702 Secs) [==>]



Proposal 14105 - CO2 (42) - Observing Jupiter's FUV auroras near Juno orbit insertion

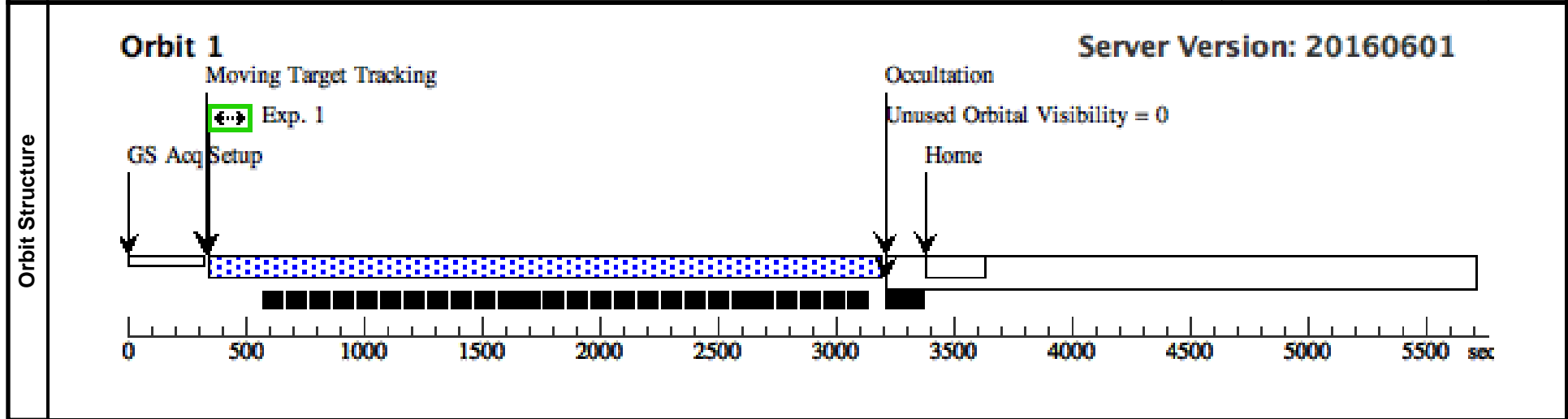
Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, CO2 (42), implementation					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 18-JUL-2016:00:00:00 AND 19-JUL-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(42)	JUPITER-AURORA-CO-IM36	STD=JUPITER	TYPE=POS_ANGLE,RAD=18,ANG=32,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(42) JUPITER-AURORA-CO-IM36	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



Proposal 14105 - CO3 (43) - Observing Jupiter's FUV auroras near Juno orbit insertion

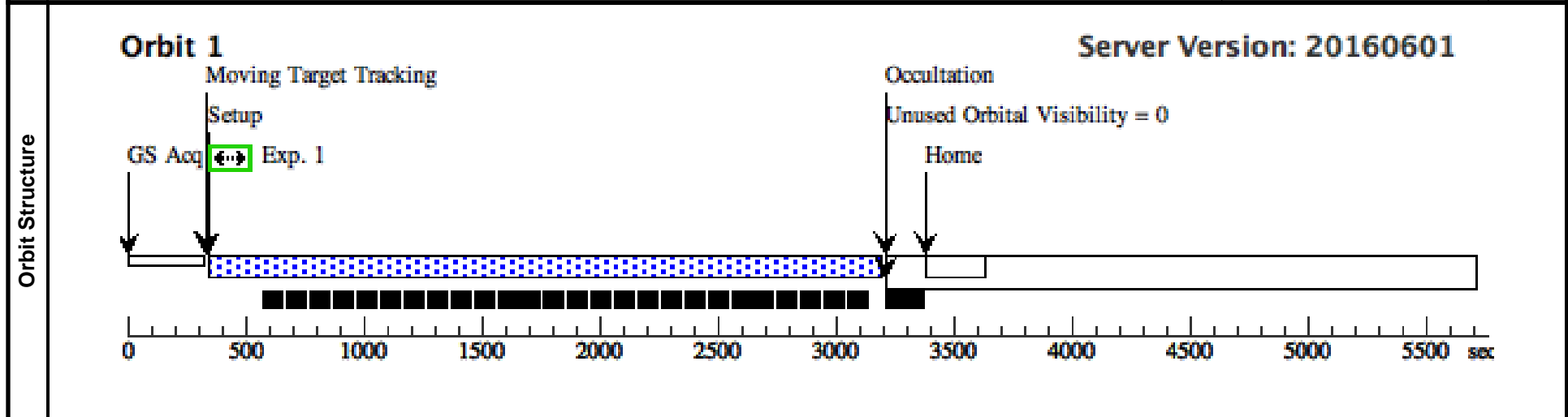
Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, CO3 (43), implementation					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 13-JUL-2016:00:00:00 AND 14-JUL-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(43)	JUPITER-AURORA-CO-IM37	STD=JUPITER	TYPE=POS_ANGLE,RAD=18,ANG=35,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(43) JUPITER-AURORA-CO-IM37	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



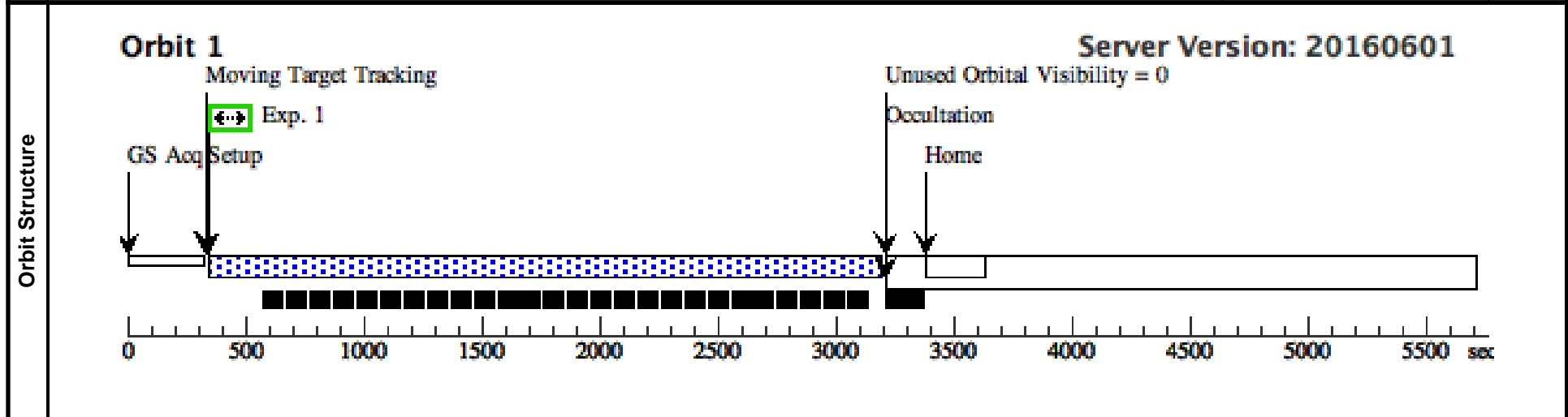
Proposal 14105 - CO4 (44) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, CO4 (44), implementation					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 14-JUL-2016:00:00:00 AND 15-JUL-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(44)	JUPITER-AURORA-CO-IM38	STD=JUPITER	TYPE=POS_ANGLE,RAD=18,ANG=28,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220
<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>							

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(44) JUPITER-AURORA-CO-IM38	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



Proposal 14105 - CO5 (45) - Observing Jupiter's FUV auroras near Juno orbit insertion

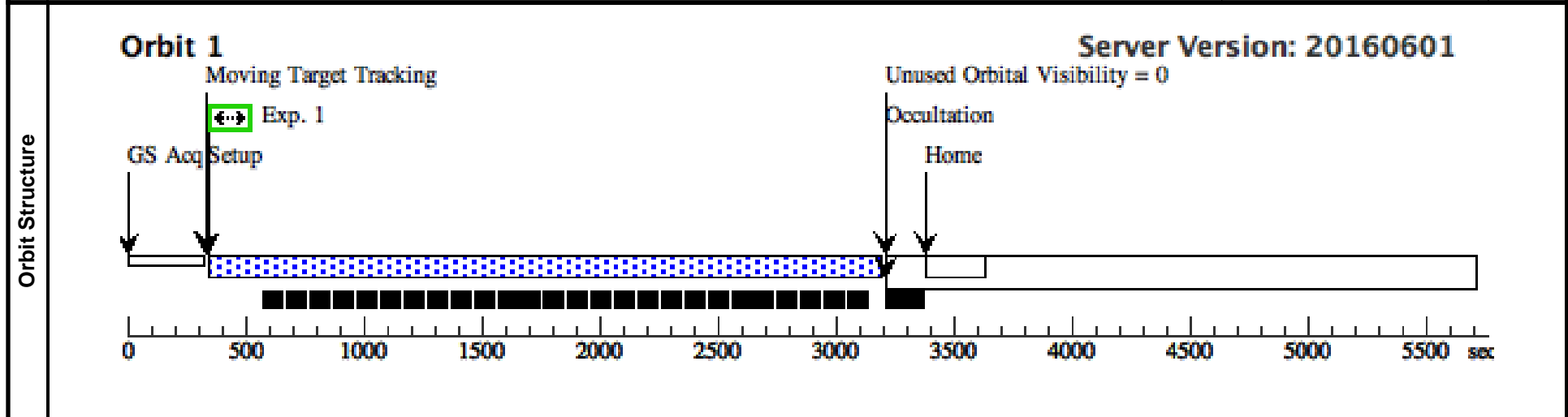
Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, CO5 (45), implementation					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: BETWEEN 13-JUL-2016:00:00:00 AND 14-JUL-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(45)	JUPITER-AURORA-CO-IM39	STD=JUPITER	TYPE=POS_ANGLE,RAD=18,ANG=20,REF=NORTH			CML OF JUPITER FROM EARTH BETWEEN 120 220

Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(45) JUPITER-AURORA-CO-IM39	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3			2702 Secs (2702 Secs) [=>]



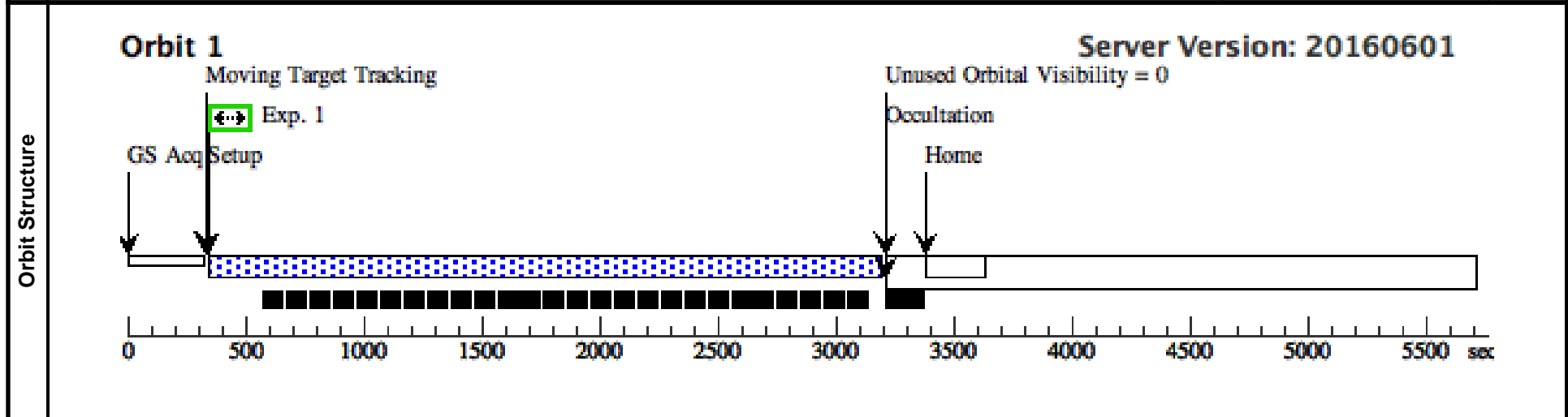
Proposal 14105 - CO6 (46) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, CO6 (46), implementation					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 112D TO 113 D; BETWEEN 17-JUL-2016:00:00:00 AND 18-JUL-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(46)	JUPITER-AURORA-CO-IM40	STD=JUPITER	TYPE=POS_ANGLE,RAD=18,ANG=22,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 220	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(46) JUPITER-AURORA-CO-IM40	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARIO BASE1B3		2702 Secs (2702 Secs) [=>]	[1]



Proposal 14105 - CO7 (47) - Observing Jupiter's FUV auroras near Juno orbit insertion

Fri Jul 29 17:06:18 GMT 2016

Visit	Proposal 14105, CO7 (47), implementation					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: STIS/FUV-MAMA					
	Special Requirements: ORIENT 109.8D TO 111 D; BETWEEN 18-JUL-2016:00:00:00 AND 19-JUL-2016:00:00:00					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(47)	JUPITER-AURORA-CO-IM41	STD=JUPITER	TYPE=POS_ANGLE,RAD=18,ANG=20,REF=NORTH		CML OF JUPITER FROM EARTH BETWEEN 120 220	EARTH
	<i>Comments: This target is for imaging Jupiter's northern auroras. The values of RAD and ANG are dependent on ROLL and the date and time of the observations. We will work with our PC to update these once the orbit of HST is known.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(STIS.im.73 3411)	(47) JUPITER-AURORA-CO-IM41	STIS/FUV-MAMA, TIME-TAG, F25SRF2	MIRROR	BUFFER-TIME=99	GS ACQ SCENARI O BASE1B3		2702 Secs (2702 Secs)	
									[=>]	[1]

