12003 - The Impact Event on Jupiter in 2009

Cycle: 17, Proposal Category: GO/DD

(Availability Mode: AVAILABLE)

INVESTIGATORS

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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) JUPITER-IMPACT-SITE	WFC3/UVIS	2	27-Aug-2009 21:17:07.0	yes
11	(1) JUPITER-IMPACT-SITE	WFC3/UVIS	2	27-Aug-2009 21:17:24.0	yes
21	(1) JUPITER-IMPACT-SITE	WFC3/UVIS	2	27-Aug-2009 21:17:36.0	yes
22	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS	1	27-Aug-2009 21:17:42.0	yes
23	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS	1	27-Aug-2009 21:17:47.0	yes
31	(31) JUPITER-SPOT	ACS/SBC	1	27-Aug-2009 21:17:51.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
32	(32) JUPITER-SPOT2	ACS/SBC	1	27-Aug-2009 21:18:00.0	yes

10 Total Orbits Used

ABSTRACT

An image of Jupiter taken on 19 July 2009 at 15 UT showed an anomalous feature in southern hemisphere. The world-wide community responded with observations, and the subsequent data strongly suggest that an impact occurred during the 8 hours preceding that discovery image. The Hubble Space Telescope is the only facility that can provide high-spatial-resolution visible images of the impact site, and the only facility that can provide UV iamges that show the impactor's effect on the jovian stratosphere. We request 7 orbits of HST time to characterize this rare event. We hope that two orbits can be as soon as is feasible (Wednesday or Thursday, 22 or 23 July). We would like a second pair several days later, perhaps Saturday. We request another 2 orbits the following week. The last, seventh, orbit can be several weeks or a month later.

OBSERVING DESCRIPTION

An image of Jupiter taken on 19 July 2009 at 15 UT showed an anomalous feature in southern hemisphere. The world-wide community responded with observations, and the subsequent data strongly suggest that an impact occurred during the 8 hours preceding that discovery image. The Hubble Space Telescope is the only facility that can provide high-spatial-resolution visible images of the impact site, and the only facility that can provide UV iamges that show the impactor's effect on the jovian stratosphere. We request 7 orbits of HST time to characterize this rare event. We hope that two orbits can be as soon as is feasible (Wednesday or Thursday, 22 or 23 July). We would like a second pair several days later, perhaps Saturday. We request another 2 orbits the following week. The last, seventh, orbit can be several weeks or a month later.

Proposal 12003 - Visit 01 - The Impact Event on Jupiter in 2009

Visit

Proposal 12003, Visit 01, withdrawn Fri Aug 28 01:18:04 GMT 2009
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: SCHED 100%

Diagnostics

(Visit 01) Warning (Orbit Planner): VISIBILITY OVERRUN

Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(1)	JUPITER-IMPACT-SITE	STD=JUPITER	TYPE=PCENTRIC,LONG=303,LAT=-56.2,R_LONG=-2,R_LAT=0,EPOCH=20-JUL-2009:00:00:00			EARTH

Exposures

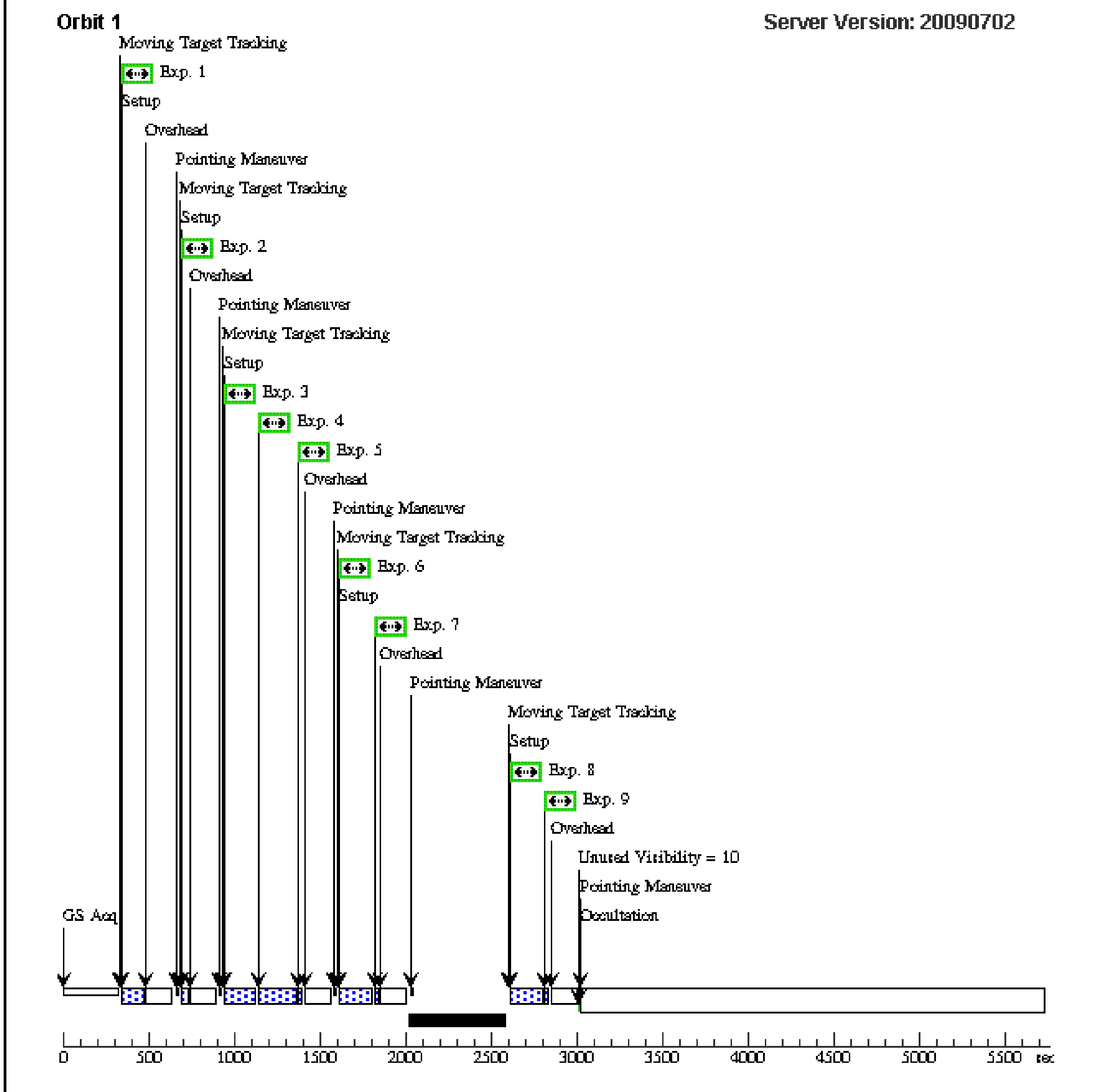
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	F225W	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS1	F225W	CR-SPLIT=NO; SIZEAXIS1=2072; SIZEAXIS2=2050; CENTERAXIS1=3109; CENTERAXIS2=1025	GS ACQ SCENARIO BASE1B3	Sequence 1-9 Non-Int	100 Secs [==>]	[1]
2	FQ378N-1B	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ378N	CR-SPLIT=NO		Sequence 1-9 Non-Int	12 Secs [==>]	[1]
3	FQ437N-1A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ437N	CR-SPLIT=NO		Sequence 1-9 Non-Int	15 Secs [==>]	[1]
4	FQ889N-3A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 1-9 Non-Int	40 Secs [==>]	[1]
5	FQ508N-4A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ508N	CR-SPLIT=NO		Sequence 1-9 Non-Int	2 Secs [==>]	[1]
6	FQ634N-4C	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ634N	CR-SPLIT=NO		Sequence 1-9 Non-Int	4 Secs [==>]	[1]
7	FQ906N-3C	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ906N	CR-SPLIT=NO		Sequence 1-9 Non-Int	15 Secs [==>]	[1]

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
8	FQ924N-3D	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO		Sequence 1-9 Non-Int	20 Secs [==>]	[1]
9	FQ727N-4D	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO		Sequence 1-9 Non-Int	8 Secs [==>]	[1]
10	F225W	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS1	F225W	CR-SPLIT=NO; CENTERAXIS1=3109; CENTERAXIS2=1025; SIZEAXIS1=2072; SIZEAXIS2=2050		Sequence 10-19 Non-Int	60 Secs [==>]	[2]
11	F275W	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS1	F275W	CR-SPLIT=NO; CENTERAXIS1=3109; CENTERAXIS2=1025; SIZEAXIS2=2050; SIZEAXIS1=2072		Sequence 10-19 Non-Int	30 Secs [==>]	[2]
12	FQ378N-1B	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ378N	CR-SPLIT=NO		Sequence 10-19 Non-Int	12 Secs [==>]	[2]
13	FQ437N-1A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ437N	CR-SPLIT=NO		Sequence 10-19 Non-Int	15 Secs [==>]	[2]
14	FQ889N-3A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO		Sequence 10-19 Non-Int	40 Secs [==>]	[2]
15	FQ508N-4A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ508N	CR-SPLIT=NO		Sequence 10-19 Non-Int	2 Secs [==>]	[2]
16	FQ634N-4C	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ634N	CR-SPLIT=NO		Sequence 10-19 Non-Int	4 Secs [==>]	[2]
17	FQ906N-3C	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ906N	CR-SPLIT=NO		Sequence 10-19 Non-Int	15 Secs [==>]	[2]
18	FQ924N-3D	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO		Sequence 10-19 Non-Int	20 Secs [==>]	[2]
19	FQ727N-4D	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO		Sequence 10-19 Non-Int	8 Secs [==>]	[2]

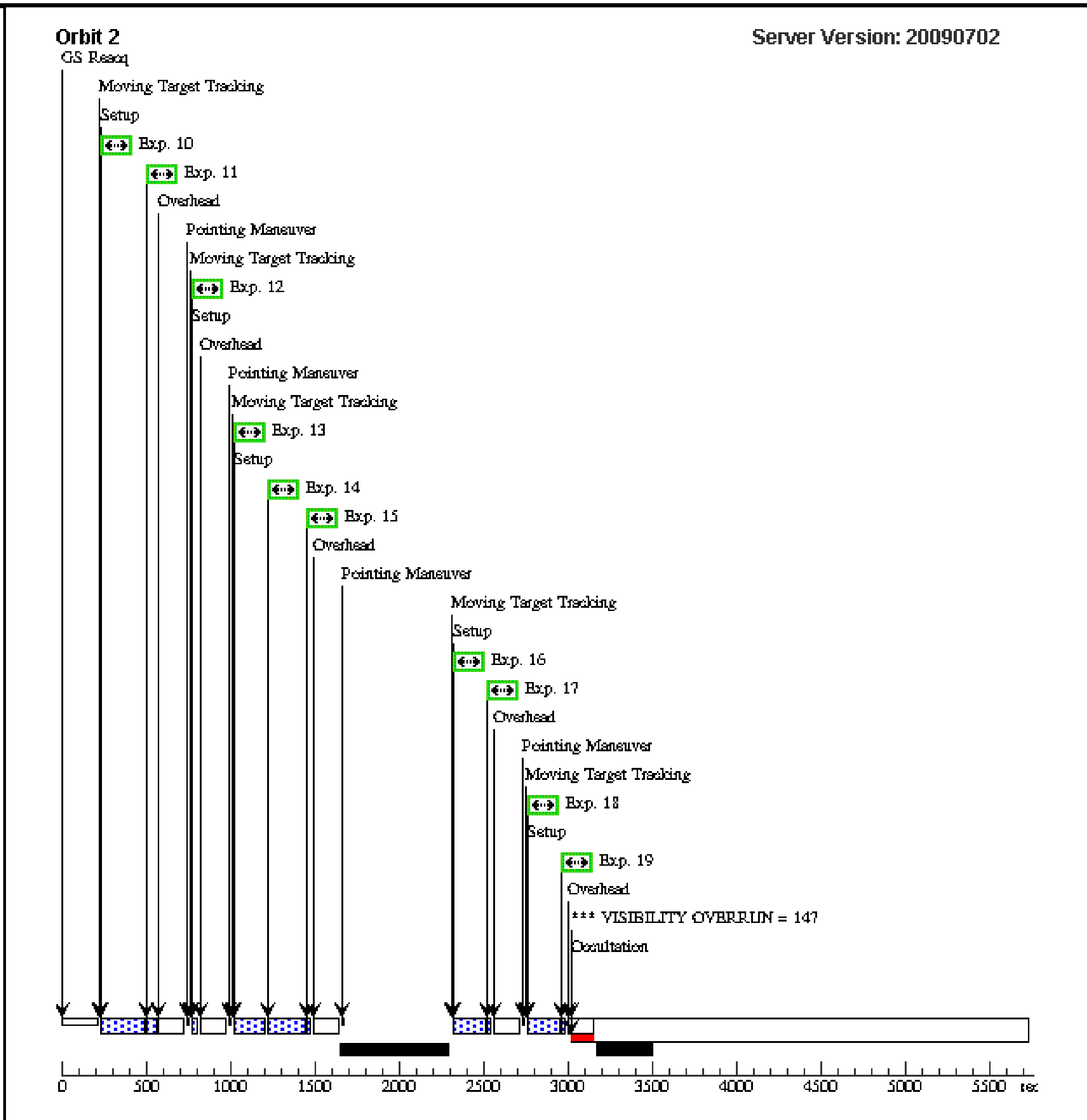
Proposal 12003 - Visit 01 - The Impact Event on Jupiter in 2009

Orbit Structure



Proposal 12003 - Visit 01 - The Impact Event on Jupiter in 2009

Orbit Structure (continued)



Visit

Proposal 12003, Visit 11, withdrawn Fri Aug 28 01:18:06 GMT 2009

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 100%

Diagnostics

(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN

(FQ378N-1B (11.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ437N-1A (11.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ889N-3A (11.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ508N-4A (11.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ634N-4C (11.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ906N-3C (11.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ924N-3D (11.008)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ727N-4D (11.009)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ378N-1B (11.012)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ437N-1A (11.013)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ889N-3A (11.014)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ508N-4A (11.015)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ634N-4C (11.016)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ906N-3C (11.017)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ924N-3D (11.018)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ727N-4D (11.019)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(1)	JUPITER-IMPACT-SITE	STD=JUPITER	TYPE=PCENTRIC,LONG=303,LAT=-56.2,R_LONG=-2,R_LAT=0,EPOCH=20-JUL-2009:00:00:00			EARTH

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	F225W	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS1	F225W	CR-SPLIT=NO; SIZEAXIS1=2072; SIZEAXIS2=2050; CENTERAXIS1=3109; CENTERAXIS2=1025	POS TARG 2.2,11.5; GS ACQ SCENARIO BASE1B3	Sequence 1-9 Non-Int	100 Secs *[==>]*	*[1]*

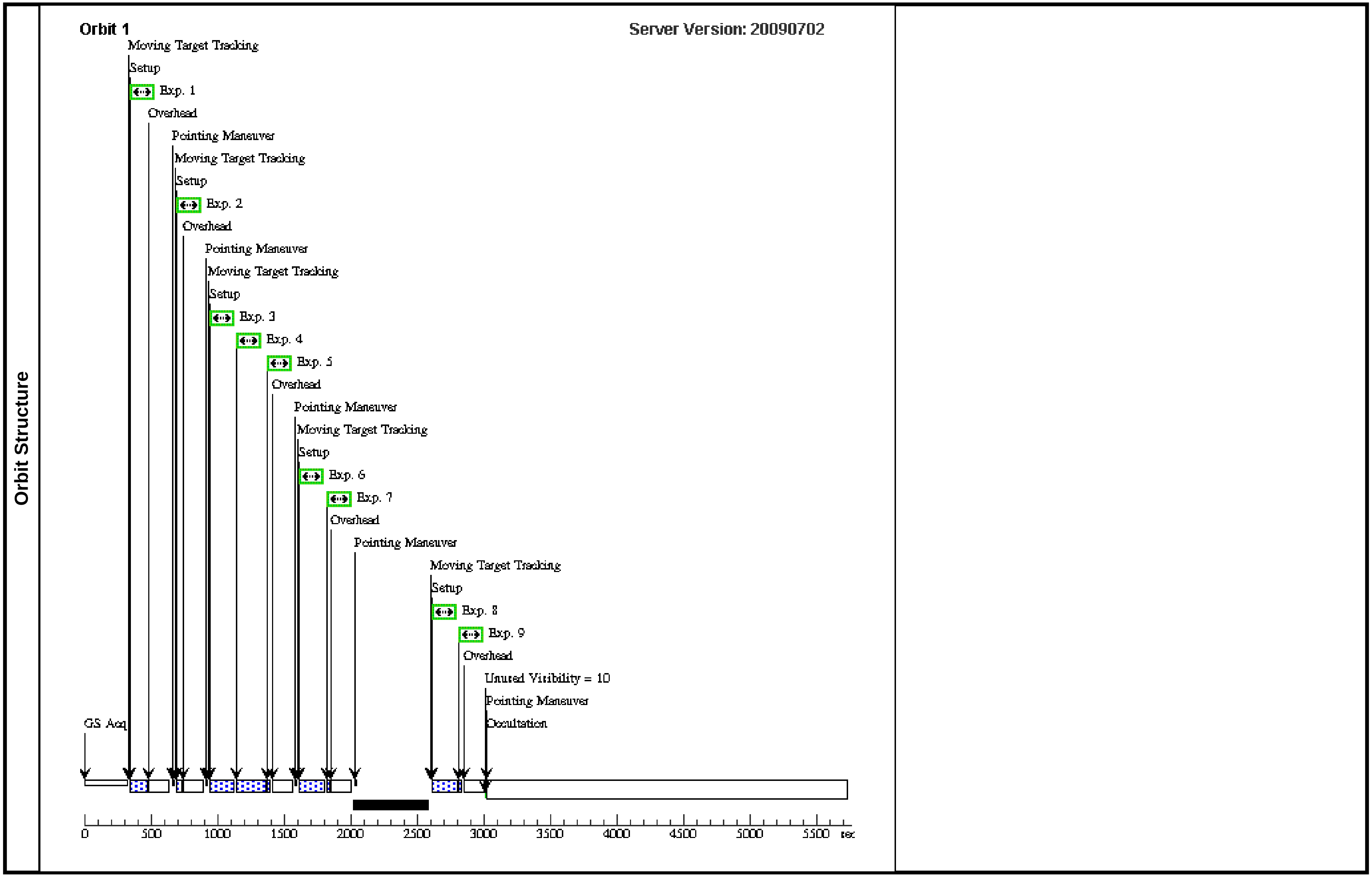
Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
2	FQ378N-1B	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ378N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	12 Secs [==>]	[1]
3	FQ437N-1A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ437N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	15 Secs [==>]	[1]
4	FQ889N-3A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	40 Secs [==>]	[1]
5	FQ508N-4A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ508N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	2 Secs [==>]	[1]
6	FQ634N-4C	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ634N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	4 Secs [==>]	[1]
7	FQ906N-3C	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ906N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	15 Secs [==>]	[1]
8	FQ924N-3D	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	20 Secs [==>]	[1]
9	FQ727N-4D	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	8 Secs [==>]	[1]
10	F225W	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS1	F225W	CR-SPLIT=NO; CENTERAXIS1=3109; CENTERAXIS2=1025; SIZEAXIS1=2072; SIZEAXIS2=2050	POS TARG 2.2,11.5	Sequence 10-19 Non-Int	60 Secs [==>]	[2]
11	F275W	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS1	F275W	CR-SPLIT=NO; CENTERAXIS1=3109; CENTERAXIS2=1025; SIZEAXIS2=2050; SIZEAXIS1=2072	POS TARG 2.2,11.5	Sequence 10-19 Non-Int	30 Secs [==>]	[2]
12	FQ378N-1B	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ378N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-19 Non-Int	12 Secs [==>]	[2]
13	FQ437N-1A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ437N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-19 Non-Int	15 Secs [==>]	[2]
14	FQ889N-3A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-19 Non-Int	40 Secs [==>]	[2]
15	FQ508N-4A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ508N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-19 Non-Int	2 Secs [==>]	[2]

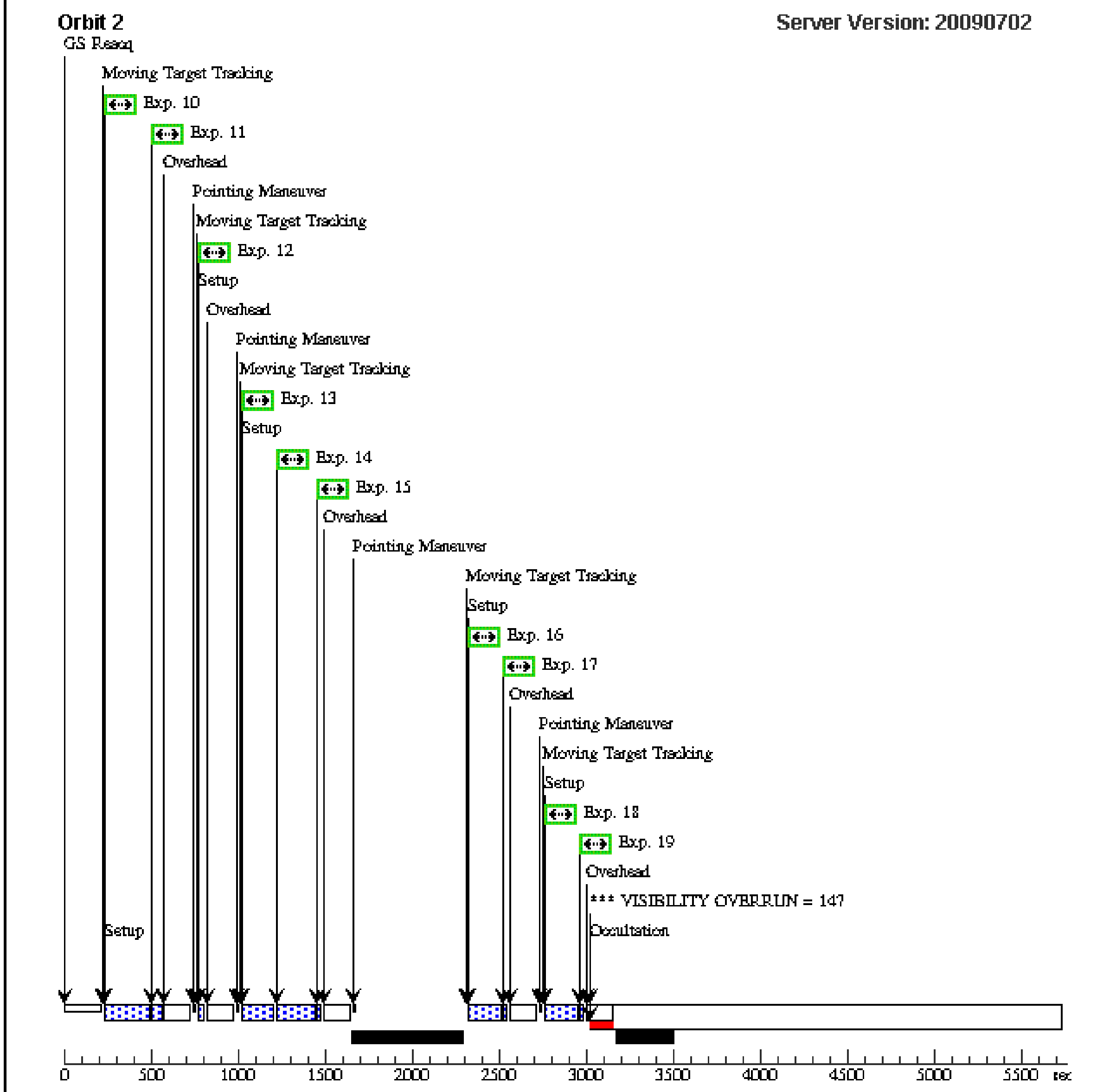
Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
16	FQ634N-4C	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ634N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-19 Non-Int	4 Secs	
								[==>]	***[2]***
17	FQ906N-3C	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ906N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-19 Non-Int	15 Secs	
								[==>]	***[2]***
18	FQ924N-3D	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-19 Non-Int	20 Secs	
								[==>]	***[2]***
19	FQ727N-4D	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-19 Non-Int	8 Secs	
								[==>]	***[2]***

Proposal 12003 - Visit 11 - The Impact Event on Jupiter in 2009



Orbit Structure (continued)



Proposal 12003 - Visit 21 - The Impact Event on Jupiter in 2009

Visit

Proposal 12003, Visit 21, completed Fri Aug 28 01:18:09 GMT 2009
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: SCHED 100%

Diagnostics

(Visit 21) Warning (Orbit Planner): VISIBILITY OVERRUN
(FQ378N-1B (21.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ437N-1A (21.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ889N-3A (21.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ508N-4A (21.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ634N-4C (21.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ906N-3C (21.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ924N-3D (21.008)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ727N-4D (21.009)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ378N-1B (21.011)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
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(FQ889N-3A (21.013)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ508N-4A (21.014)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ634N-4C (21.015)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ906N-3C (21.016)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ924N-3D (21.017)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ727N-4D (21.018)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(1)	JUPITER-IMPACT-SITE	STD=JUPITER	TYPE=PCENTRIC,LONG=303,LAT=-56.2,R_LONG=-2,R_LAT=0,EPOCH=20-JUL-2009:00:00:00			EARTH

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	F225W	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS1-2K4-SUB	F225W	CR-SPLIT=NO	POS TARG 2.2,11.5; GS ACQ SCENARIO BASE1B3	Sequence 1-9 Non-Int	100 Secs *[==>]*	***[1]***
2	FQ378N-1B	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ378N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	12 Secs *[==>]*	***[1]***
3	FQ437N-1A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ437N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	15 Secs *[==>]*	***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
4	FQ889N-3A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	40 Secs *[==>]*	*[1]*
5	FQ508N-4A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ508N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	2 Secs *[==>]*	*[1]*
6	FQ634N-4C	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ634N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	4 Secs *[==>]*	*[1]*
7	FQ906N-3C	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ906N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	15 Secs *[==>]*	*[1]*
8	FQ924N-3D	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	20 Secs *[==>]*	*[1]*
9	FQ727N-4D	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 1-9 Non-Int	8 Secs *[==>]*	*[1]*
10	F275W	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS1-2K4-SUB	F275W	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-18 Non-Int	30 Secs *[==>]*	*[2]*
11	FQ378N-1B	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ378N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-18 Non-Int	12 Secs *[==>]*	*[2]*
12	FQ437N-1A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ437N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-18 Non-Int	15 Secs *[==>]*	*[2]*
13	FQ889N-3A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-18 Non-Int	40 Secs *[==>]*	*[2]*
14	FQ508N-4A	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ508N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-18 Non-Int	2 Secs *[==>]*	*[2]*
15	FQ634N-4C	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ634N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-18 Non-Int	4 Secs *[==>]*	*[2]*
16	FQ906N-3C	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ906N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-18 Non-Int	15 Secs *[==>]*	*[2]*
17	FQ924N-3D	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-18 Non-Int	20 Secs *[==>]*	*[2]*
18	FQ727N-4D	(1) JUPITER-IMPACT-SITE	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG 2.2,11.5	Sequence 10-18 Non-Int	8 Secs *[==>]*	*[2]*

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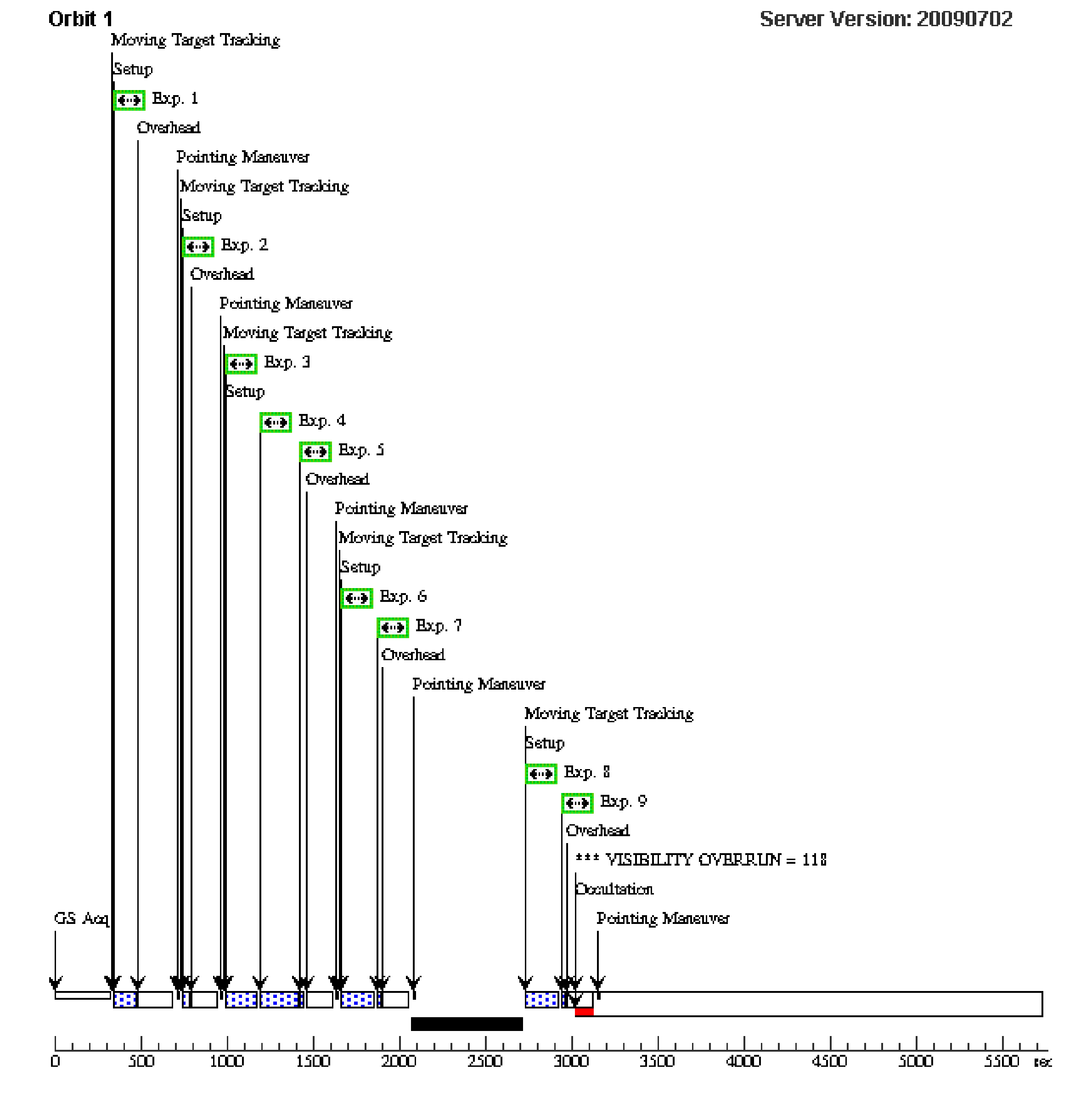
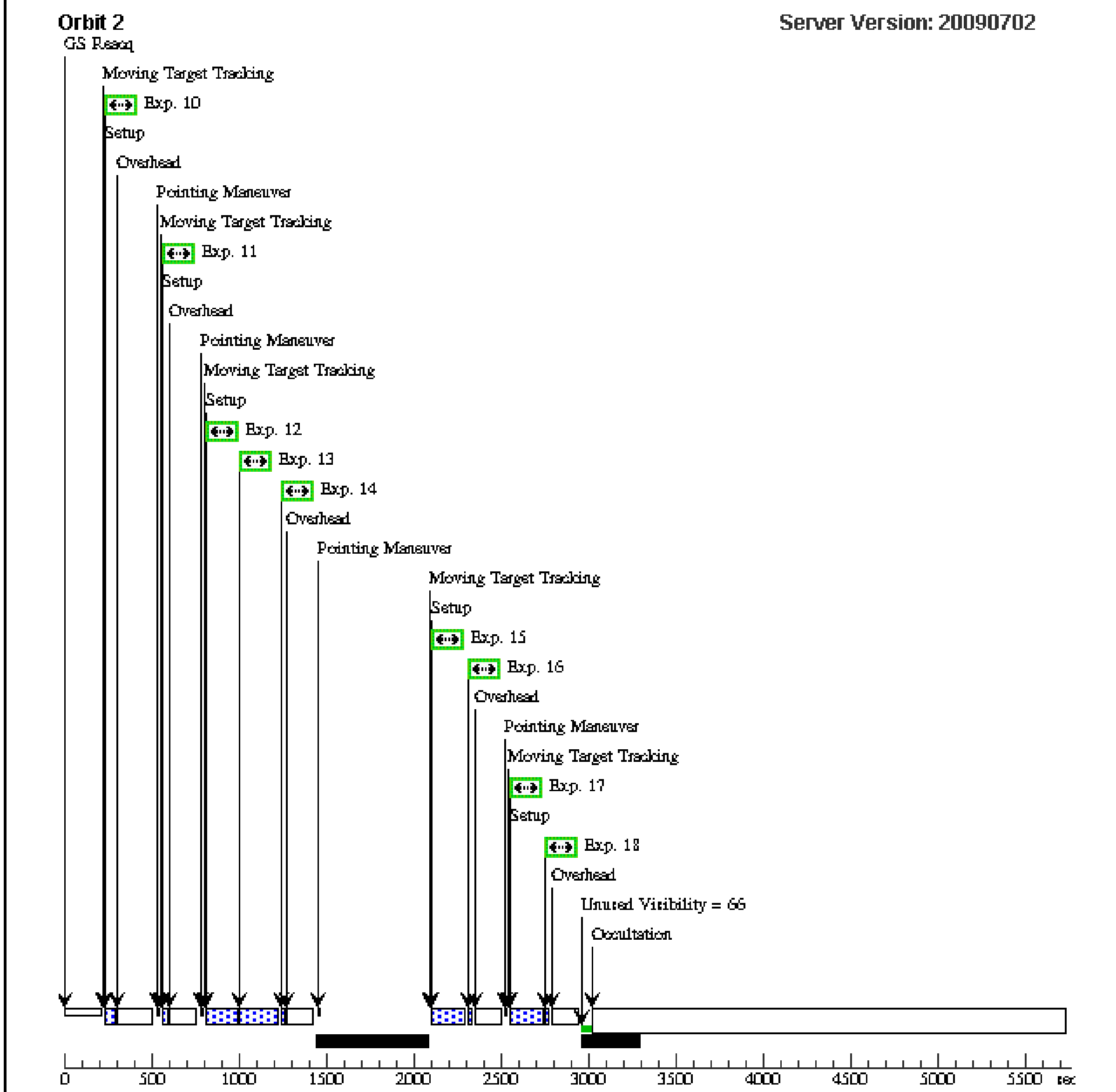
Orbit Structure



Orbit Structure (continued)



Visit

Proposal 12003, Visit 22, completed Fri Aug 28 01:18:10 GMT 2009

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: SCHED 100%

*Comments: NOTE -- POS TARGS ARE FOR CENTERING PLANET IN FOV, GOOD ***ONLY*** FOR ORIENT (U3) BETW. 235-285*

Diagnostics

(FQ889N-3A (22.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ437N-1A (22.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ508N-4A (22.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ634N-4C (22.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ906N-3C (22.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ727N-4D (22.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

(FQ378N-1B (22.008)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

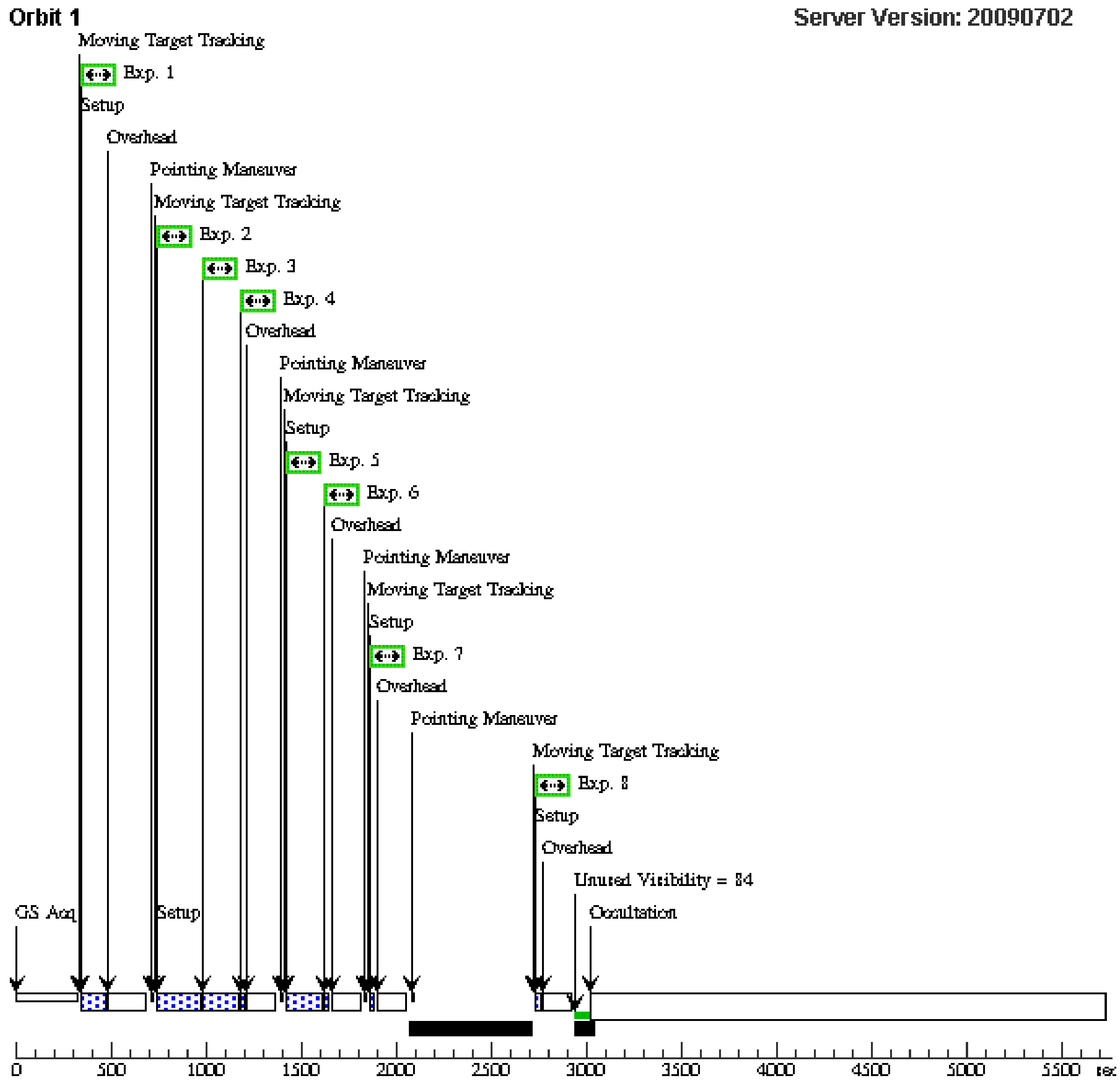
Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(3)	JUPITER-IMPACT-SITE-V3	STD=JUPITER	TYPE=PGRAPHIC,LONG=308.5,LAT=-57.3,ALT=0,R_LONG=0.8,R_LAT=0,R_RAD=0,EPOCH=23-JUL-2009:00:00:00			EARTH

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	F225W	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS1-2K4-SUB	F225W	CR-SPLIT=NO	POS TARG -5.4,9.8; GS ACQ SCENARIO BASE1B3	Sequence 1-8 Non-Int	100 Secs [==>]	[1]
2	FQ889N-3A	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG -8,15.5	Sequence 1-8 Non-Int	40 Secs [==>]	[1]
3	FQ437N-1A	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ437N	CR-SPLIT=NO	POS TARG -8,15.5	Sequence 1-8 Non-Int	15 Secs [==>]	[1]
4	FQ508N-4A	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ508N	CR-SPLIT=NO	POS TARG -8,15.5	Sequence 1-8 Non-Int	2 Secs [==>]	[1]
5	FQ634N-4C	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ634N	CR-SPLIT=NO	POS TARG -7.9,4.6	Sequence 1-8 Non-Int	4 Secs [==>]	[1]
6	FQ906N-3C	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ906N	CR-SPLIT=NO	POS TARG -7.9,4.6	Sequence 1-8 Non-Int	15 Secs [==>]	[1]
7	FQ727N-4D	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -3.2,5.9	Sequence 1-8 Non-Int	8 Secs [==>]	[1]
8	FQ378N-1B	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ378N	CR-SPLIT=NO	POS TARG -13.4,4.3	Sequence 1-8 Non-Int	12 Secs [==>]	[1]

Proposal 12003 - Visit 22 - The Impact Event on Jupiter in 2009

Orbit Structure		

Visit

Proposal 12003, Visit 23, completed Fri Aug 28 01:18:10 GMT 2009
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: SCHED 100%
*Comments: NOTE -- POS TARGS ARE FOR CENTERING PLANET IN FOV, GOOD ***ONLY*** FOR ORIENT (U3) BETW. 235-285*

Diagnostics

(FQ889N-3A (23.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ437N-1A (23.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ508N-4A (23.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ634N-4C (23.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ906N-3C (23.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ924N-3D (23.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ727N-4D (23.008)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.
(FQ378N-1B (23.009)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.

Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(3)	JUPITER-IMPACT-SITE-V3	STD=JUPITER	TYPE=PGRAPHIC,LONG=308.5,LAT=-57.3,ALT=0,R_LONG=0.8,R_LAT=0,R_RAD=0,EPOCH=23-JUL-2009:00:00:00			EARTH

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	F275W	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS1-2K4-SUB	F275W	CR-SPLIT=NO	POS TARG -5.4,9.8; GS ACQ SCENARIO BASE1B3	Sequence 1-9 Non-Int	30 Secs [==>]	[1]
2	FQ889N-3A	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ889N	CR-SPLIT=NO	POS TARG -8,15.5	Sequence 1-9 Non-Int	40 Secs [==>]	[1]
3	FQ437N-1A	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ437N	CR-SPLIT=NO	POS TARG -8,15.5	Sequence 1-9 Non-Int	15 Secs [==>]	[1]
4	FQ508N-4A	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ508N	CR-SPLIT=NO	POS TARG -8,15.5	Sequence 1-9 Non-Int	2 Secs [==>]	[1]
5	FQ634N-4C	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ634N	CR-SPLIT=NO	POS TARG -7.9,4.6	Sequence 1-9 Non-Int	4 Secs [==>]	[1]
6	FQ906N-3C	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ906N	CR-SPLIT=NO	POS TARG -7.9,4.6	Sequence 1-9 Non-Int	15 Secs [==>]	[1]
7	FQ924N-3D	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ924N	CR-SPLIT=NO	POS TARG -3.2,5.9	Sequence 1-9 Non-Int	12 Secs [==>]	[1]

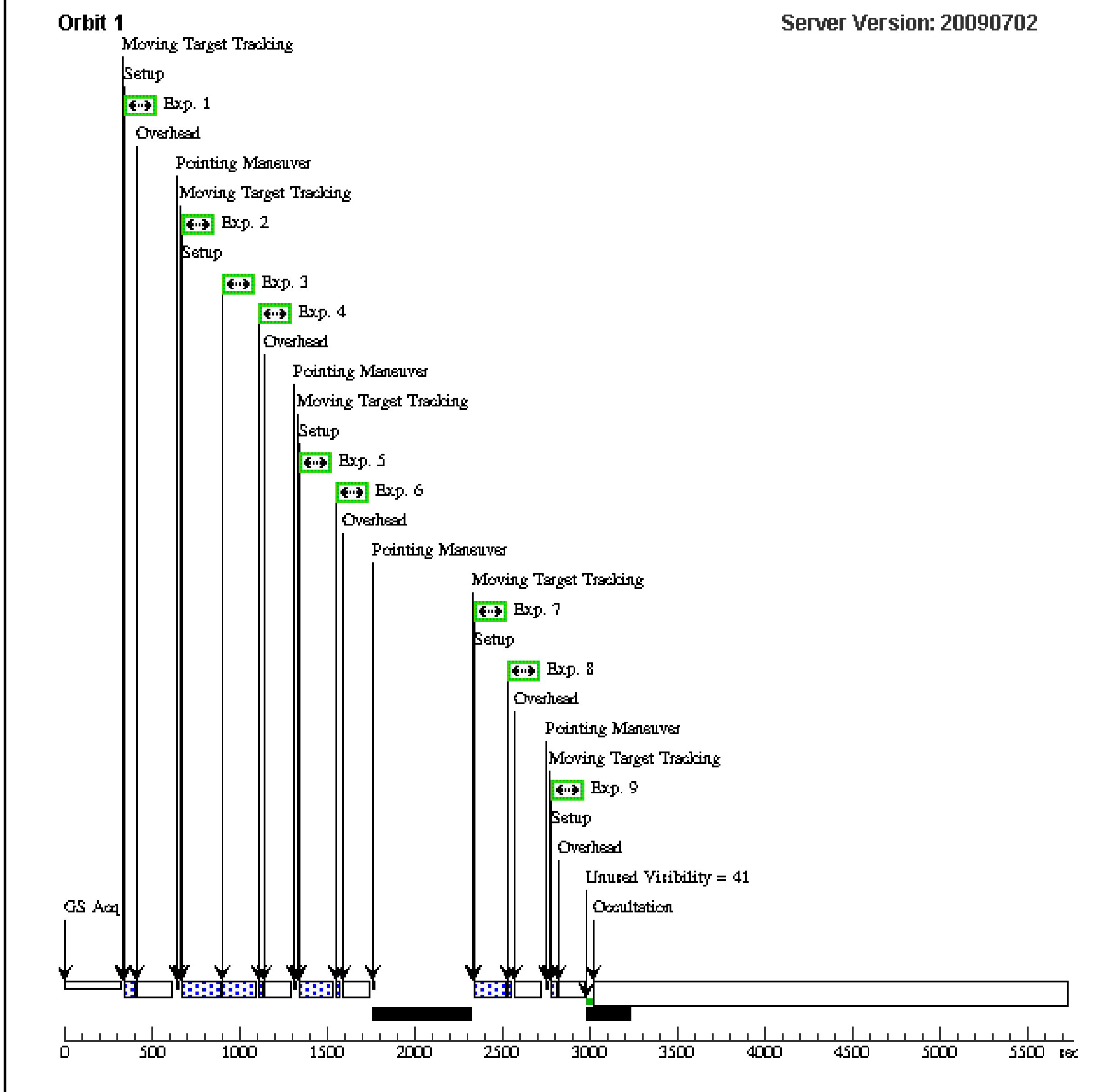
Proposal 12003 - Visit 23 - The Impact Event on Jupiter in 2009

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
8	FQ727N-4D	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ727N	CR-SPLIT=NO	POS TARG -3.2,5.9	Sequence 1-9 Non-Int	8 Secs *[==>]*	***[1]***
9	FQ378N-1B	(3) JUPITER-IMPACT-SITE-V3	WFC3/UVIS, ACCUM, UVIS-QUAD-SUB	FQ378N	CR-SPLIT=NO	POS TARG -13.4,4.3	Sequence 1-9 Non-Int	12 Secs *[==>]*	***[1]***

Proposal 12003 - Visit 23 - The Impact Event on Jupiter in 2009

Orbit Structure



Visit

Proposal 12003, Visit 31, scheduling Fri Aug 28 01:18:11 GMT 2009

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(31)	JUPITER-SPOT	STD=JUPITER	TYPE=POS_ANGLE,RAD=22,ANG=162,REF=NORTH,R_RAD=0,R_ANG=0,EPOCH=21-AUG-2009:00:00:00		CML OF JUPITER-SPOT FROM EARTH BETWEEN 281 341	EARTH

Comments: RAD and ANG must be updated once the scheduling window is determined.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(31) JUPITER-SPOT	ACS/SBC, ACCUM, SBC-FIX	F125LP				100.0 Secs X 20	
								[==>(Copy 1)]	*[1]*
								[==>(Copy 2)]	
								[==>(Copy 3)]	
								[==>(Copy 4)]	
								[==>(Copy 5)]	
								[==>(Copy 6)]	
								[==>(Copy 7)]	
								[==>(Copy 8)]	
								[==>(Copy 9)]	
								[==>(Copy 10)]	
								[==>(Copy 11)]	
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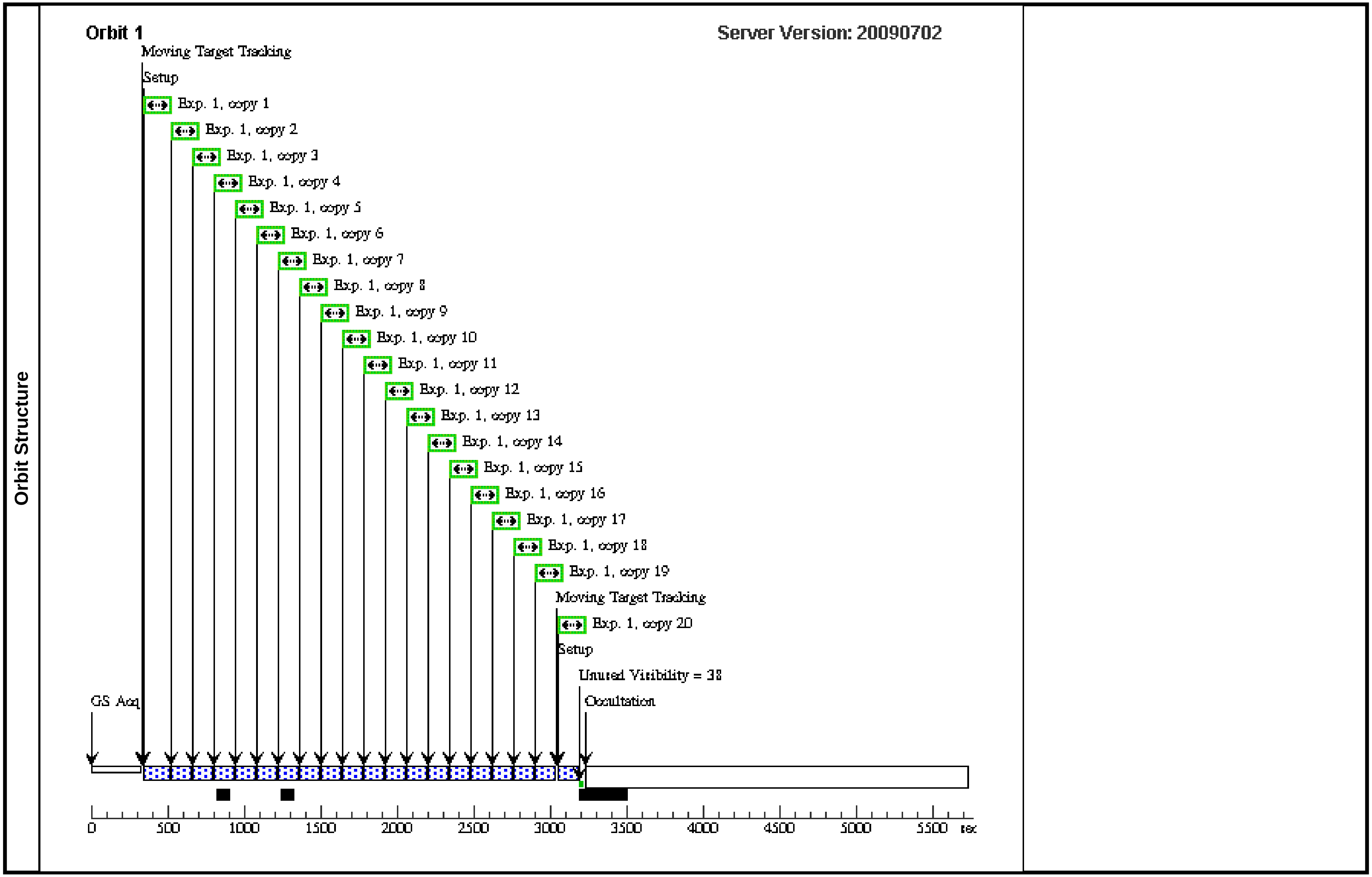
								[==>(Copy 19)]	
								[==>(Copy 20)]	

Proposal 12003 - Visit 31 - The Impact Event on Jupiter in 2009



Visit

Proposal 12003, Visit 32

Fri Aug 28 01:18:11 GMT 2009

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(32)	JUPITER-SPOT2	STD=JUPITER	TYPE=POS_ANGLE,RAD=23,ANG=162,REF=NORTH,R_RAD=0,R_ANG=0,EPOCH=21-AUG-2009:00:00:00		CML OF JUPITER-SPOT FROM EARTH BETWEEN 281 341	EARTH

Comments: RAD and ANG must be updated once the scheduling window is determined.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(32) JUPITER-SPOT 2	ACS/SBC, ACCUM, SBC-FIX	F125LP				100.0 Secs X 20	
								[==>(Copy 1)]	*[1]*
								[==>(Copy 2)]	
								[==>(Copy 3)]	
								[==>(Copy 4)]	
								[==>(Copy 5)]	
								[==>(Copy 6)]	
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Proposal 12003 - Visit 32 - The Impact Event on Jupiter in 2009