12592 - Understanding the Progenitor Systems, Explosion Mechanisms, and Cosmological Utility of Type Ia Supernovae

Cycle: 19, Proposal Category: GO

(Availability Mode: SUPPORTED)

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) SN-TYPE-IA CCDFLAT	STIS/CCD STIS/NUV-MAMA	2	05-Dec-2011 21:23:34.0	yes
02	(1) SN-TYPE-IA CCDFLAT	STIS/CCD STIS/NUV-MAMA	1	05-Dec-2011 21:23:42.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
03	(1) SN-TYPE-IA CCDFLAT	STIS/CCD STIS/NUV-MAMA	1	05-Dec-2011 21:23:49.0	yes
04	(1) SN-TYPE-IA CCDFLAT	STIS/CCD STIS/NUV-MAMA	1	05-Dec-2011 21:23:56.0	yes
05	(1) SN-TYPE-IA CCDFLAT	STIS/CCD STIS/NUV-MAMA	1	05-Dec-2011 21:24:02.0	yes
06	(1) SN-TYPE-IA CCDFLAT	STIS/CCD STIS/NUV-MAMA	1	05-Dec-2011 21:24:07.0	yes
07	(1) SN-TYPE-IA CCDFLAT	STIS/CCD STIS/NUV-MAMA	1	05-Dec-2011 21:24:13.0	yes
11	(2) PSNJ0338 CCDFLAT	STIS/CCD STIS/NUV-MAMA	2	05-Dec-2011 21:24:21.0	yes
12	(2) PSNJ0338 CCDFLAT	STIS/CCD STIS/NUV-MAMA	1	05-Dec-2011 21:24:29.0	yes
13	(2) PSNJ0338 CCDFLAT	STIS/CCD STIS/NUV-MAMA	1	05-Dec-2011 21:24:34.0	yes
14	(2) PSNJ0338 CCDFLAT	STIS/CCD STIS/NUV-MAMA	1	05-Dec-2011 21:24:41.0	yes
15	(2) PSNJ0338 CCDFLAT	STIS/CCD STIS/NUV-MAMA	1	05-Dec-2011 21:24:47.0	yes
16	(2) PSNJ0338 CCDFLAT	STIS/CCD STIS/NUV-MAMA	1	05-Dec-2011 21:24:53.0	yes
17	(2) PSNJ0338 CCDFLAT	STIS/CCD STIS/NUV-MAMA	1	05-Dec-2011 21:24:59.0	yes
21	(2) PSNJ0338 CCDFLAT	STIS/CCD	2	05-Dec-2011 21:25:10.0	yes

18 Total Orbits Used

ABSTRACT

Despite spending >2000 HST orbits on observations of high-redshift Type Ia supernovae (SN Ia), where observations at z > 1 exclusively probe the rest-frame UV, there is only one published high-quality true UV spectrum of a SN Ia within a week of maximum brightness - and this spectrum was from Cycle 1 in 1992. We propose to obtain STIS spectroscopy of three nearby SN Ia from about a week before maximum brightness until about 20 days after maximum brightness. By obtaining spectra every 4 days, we will be able to model the ejecta abundances as the photosphere recedes with time - like a CAT scan. Since the UV SED is extremely sensitive to several parameters like progenitor metallicity, intermediate mass element generation, and 56Ni mixing, these data (in conjunction with OIR observations obtained from the ground) will be the most constraining yet for SN Ia models. Similar data have never been obtained. In addition to furthering our understanding of SN Ia progenitor systems and explosions, we will use these data to directly improve the utility of SN Ia as cosmological distance indicators. These SN Ia will be the best observed and best studied SN Ia ever. This is our best opportunity to further our understanding of these objects.

OBSERVING DESCRIPTION

The sequence of observations for the TOO is as follows:
7 epochs. The first epoch is 2 orbits, the rest are 1 orbit. The cadence is spectra on Day 0, 4, 8, 12, 16, 20, 28. where day 0 is the first HST observation.
We used a bracket of 2 days/epoch but ideally would like the observations scheduled on the
first day.

Visit

Proposal 12592, Visit 01, withdrawn Tue Dec 06 02:25:17 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: SCHED 100%; ON HOLD

Comments: If is is possible to decrease the SCHEDABILITY, then please increase the exposure time to exposure #3 the second G230L exposure in orbit #2

On Hold Comments: TOO

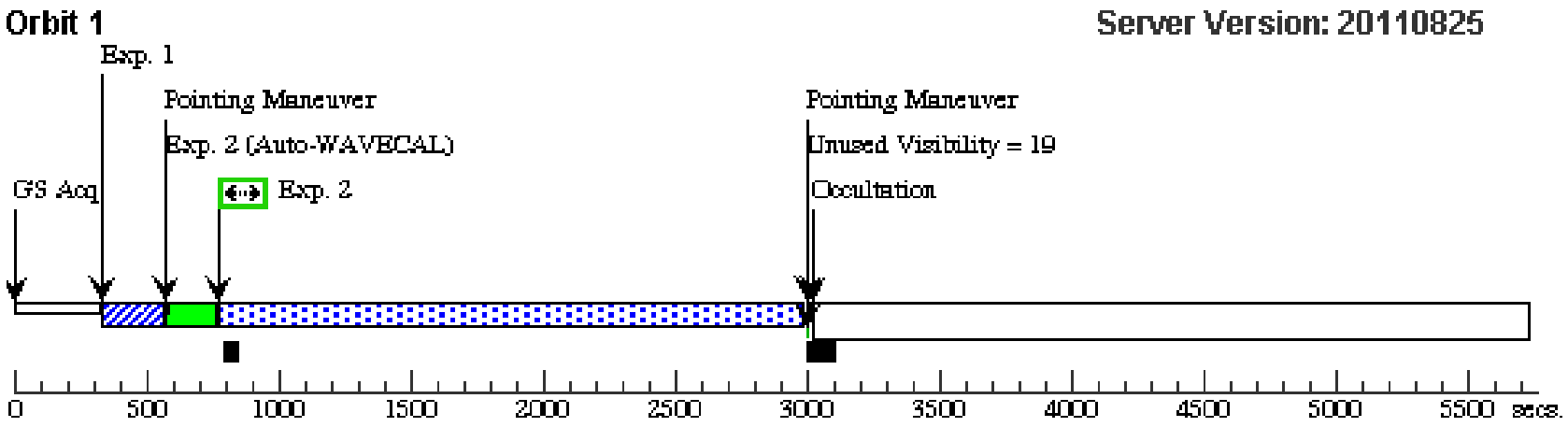
Generic Targets

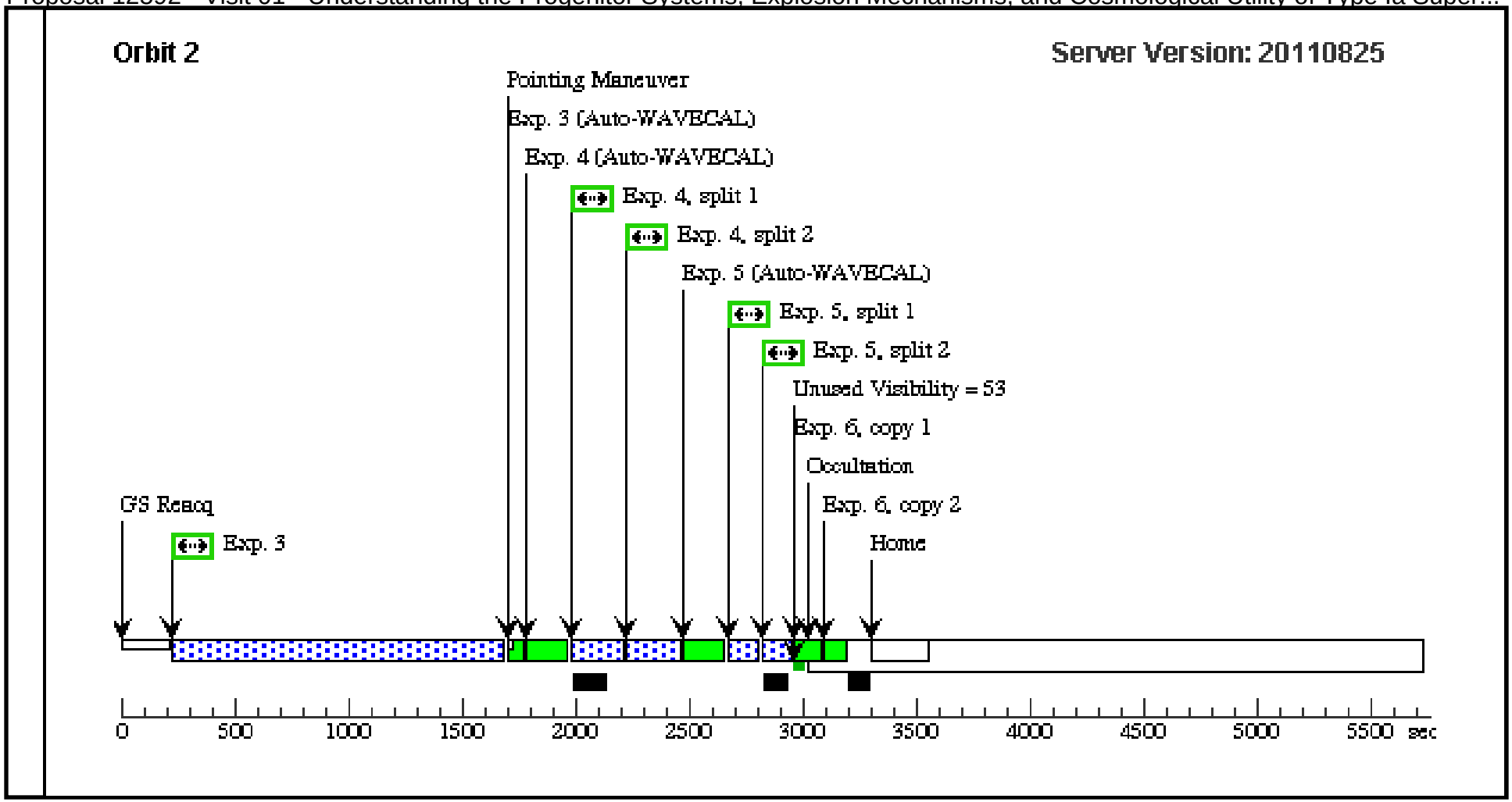
#	Name	Criteria	Description
(1)	SN-TYPE-IA	TOO	SUPERNOVA TYPE IA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(1) SN-TYPE-IA	STIS/CCD, ACQ, F28X50LP	MIRROR				0.2 Secs *[==>]*	 ***[1]***
Comments:).1 for 14th mag star yields a s/n ~50 Time to saturation is 15 seconds.									
2	(STIS.sp.18 6468)	(1) SN-TYPE-IA	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				2200 Secs *[==>]*	 ***[1]***
3	(STIS.sp.18 6471)	(1) SN-TYPE-IA	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A		POS TARG null,0.5		1450 Secs *[==>]*	 ***[2]***
4		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			400 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[2]***
5		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			200 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[2]***
6		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[2]***

Orbit Structure




Orbit 2
Server Version: 20110825
Pointing Maneuver
Exp. 3 (Auto-WAVECAL)
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Exp. 5 (Auto-WAVECAL)
Exp. 5, split 1
Exp. 5, split 2
Unused Visibility = 53
Exp. 6, copy 1
Occultation
Exp. 6, copy 2
Home
GS Reacq
Exp. 3
0
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1000
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2500
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5500
sec

Visit

Proposal 12592, Visit 02, withdrawn Tue Dec 06 02:25:18 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: AFTER 01 BY 4 D TO 5 D; ON HOLD

Comments: please try to schedule as early in the AFTER window as possible.

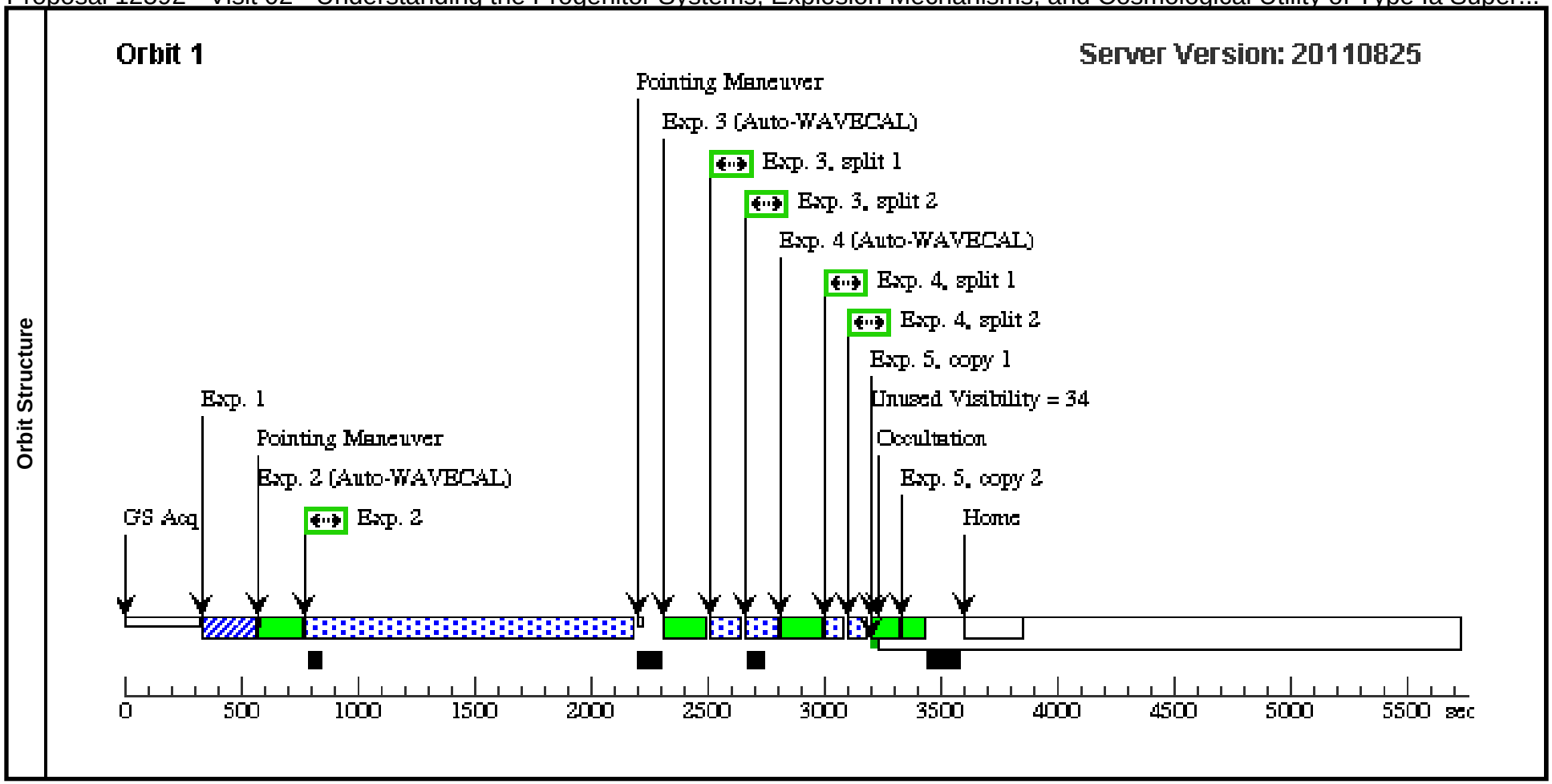
On Hold Comments: TOO

Generic Targets

#	Name	Criteria	Description
(1)	SN-TYPE-IA	TOO	SUPERNOVA TYPE IA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(1) SN-TYPE-IA	STIS/CCD, ACQ, F28X50LP	MIRROR				0.2 Secs *[==>]*	 ***[1]***
2	(STIS.sp.186473)	(1) SN-TYPE-IA	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				1400 Secs *[==>]*	 ***[1]***
3		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			200 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
4		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20110825
Pointing Maneuver
Exp. 3 (Auto-WAVECAL)
Exp. 3, split 1
Exp. 3, split 2
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Exp. 5, copy 1
Unused Visibility = 34
Occultation
Exp. 5, copy 2
Home
Exp. 1
Pointing Maneuver
Exp. 2 (Auto-WAVECAL)
GS Acq
Exp. 2
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 12592, Visit 03, withdrawn Tue Dec 06 02:25:19 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: AFTER 01 BY 8 D TO 9 D; ON HOLD

Comments: please try to schedule as early in the AFTER window as possible.

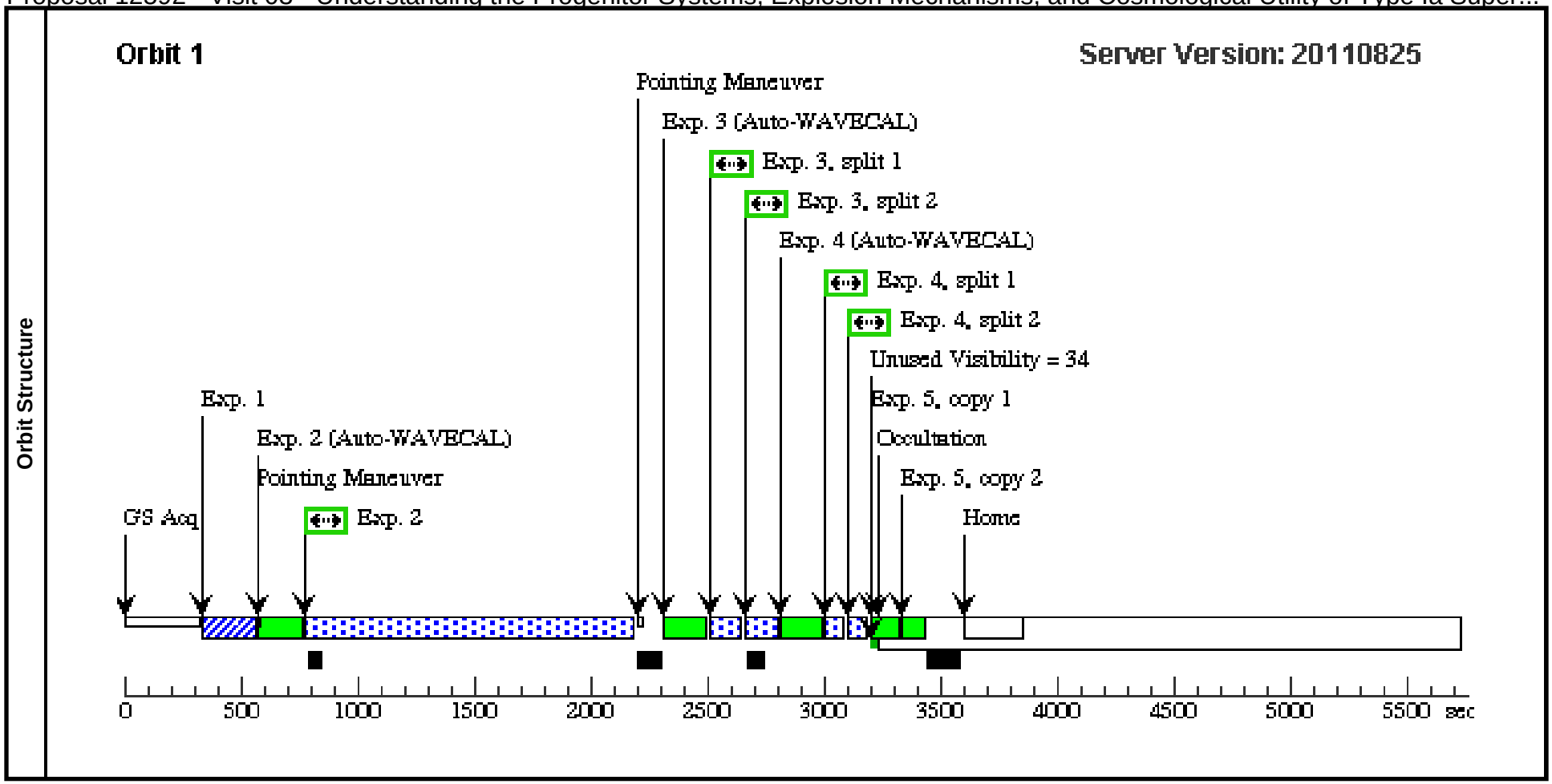
On Hold Comments: TOO

Generic Targets

#	Name	Criteria	Description
(1)	SN-TYPE-IA	TOO	SUPERNOVA TYPE IA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(1) SN-TYPE-IA	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs	
								[==>]	***[1]***
2	(STIS.sp.186473)	(1) SN-TYPE-IA	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				1400 Secs	
								[==>]	***[1]***
3		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			200 Secs	
								[==>(Split 1)] *[==>(Split 2)]*	***[1]***
4		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs	
								[==>(Split 1)] *[==>(Split 2)]*	***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***


Orbit 1
Server Version: 20110825
Orbit Structure
Pointing Maneuver
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Exp. 3, split 1
Exp. 3, split 2
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Unused Visibility = 34
Exp. 5, copy 1
Occultation
Exp. 5, copy 2
Home
Exp. 1
Exp. 2 (Auto-WAVECAL)
Pointing Maneuver
GS Acq
Exp. 2
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 12592, Visit 04, withdrawn Tue Dec 06 02:25:20 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: AFTER 01 BY 12 D TO 13 D; ON HOLD

Comments: please try to schedule as early in the AFTER window as possible.

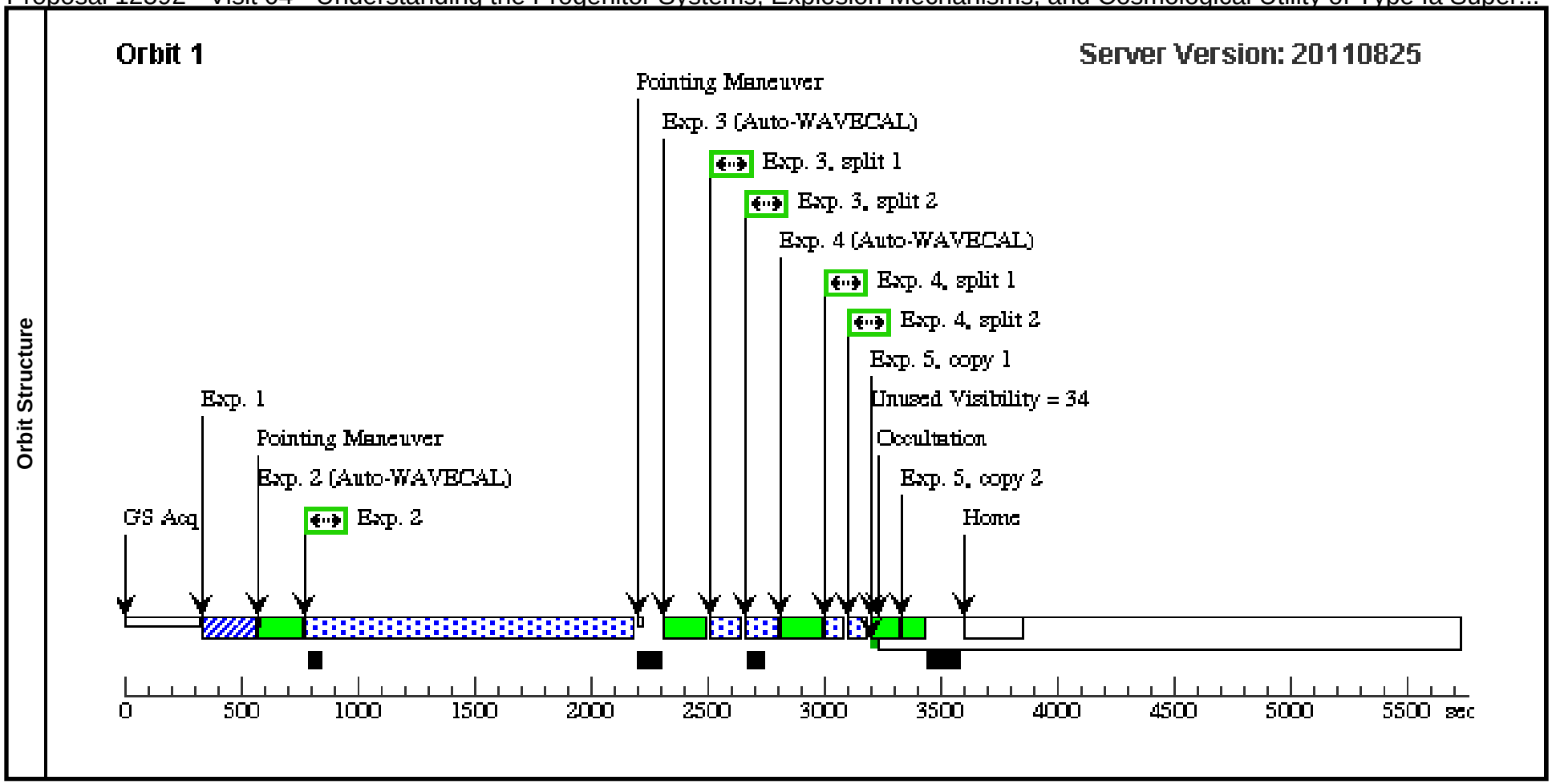
On Hold Comments: TOO

Generic Targets

#	Name	Criteria	Description
(1)	SN-TYPE-IA	TOO	SUPERNOVA TYPE IA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(1) SN-TYPE-IA	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs *[==>]*	 ***[1]***
2	(STIS.sp.186473)	(1) SN-TYPE-IA	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				1400 Secs *[==>]*	 ***[1]***
3		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			200 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
4		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20110825
Pointing Maneuver
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Exp. 3, split 1
Exp. 3, split 2
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Exp. 5, copy 1
Unused Visibility = 34
Occultation
Exp. 5, copy 2
Home
Exp. 1
Pointing Maneuver
Exp. 2 (Auto-WAVECAL)
GS Acq
Exp. 2
0
500
1000
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3500
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4500
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5500
sec

Visit

Proposal 12592, Visit 05, withdrawn Tue Dec 06 02:25:20 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: AFTER 01 BY 16 D TO 17 D; ON HOLD

Comments: please try to schedule as early in the AFTER window as possible.

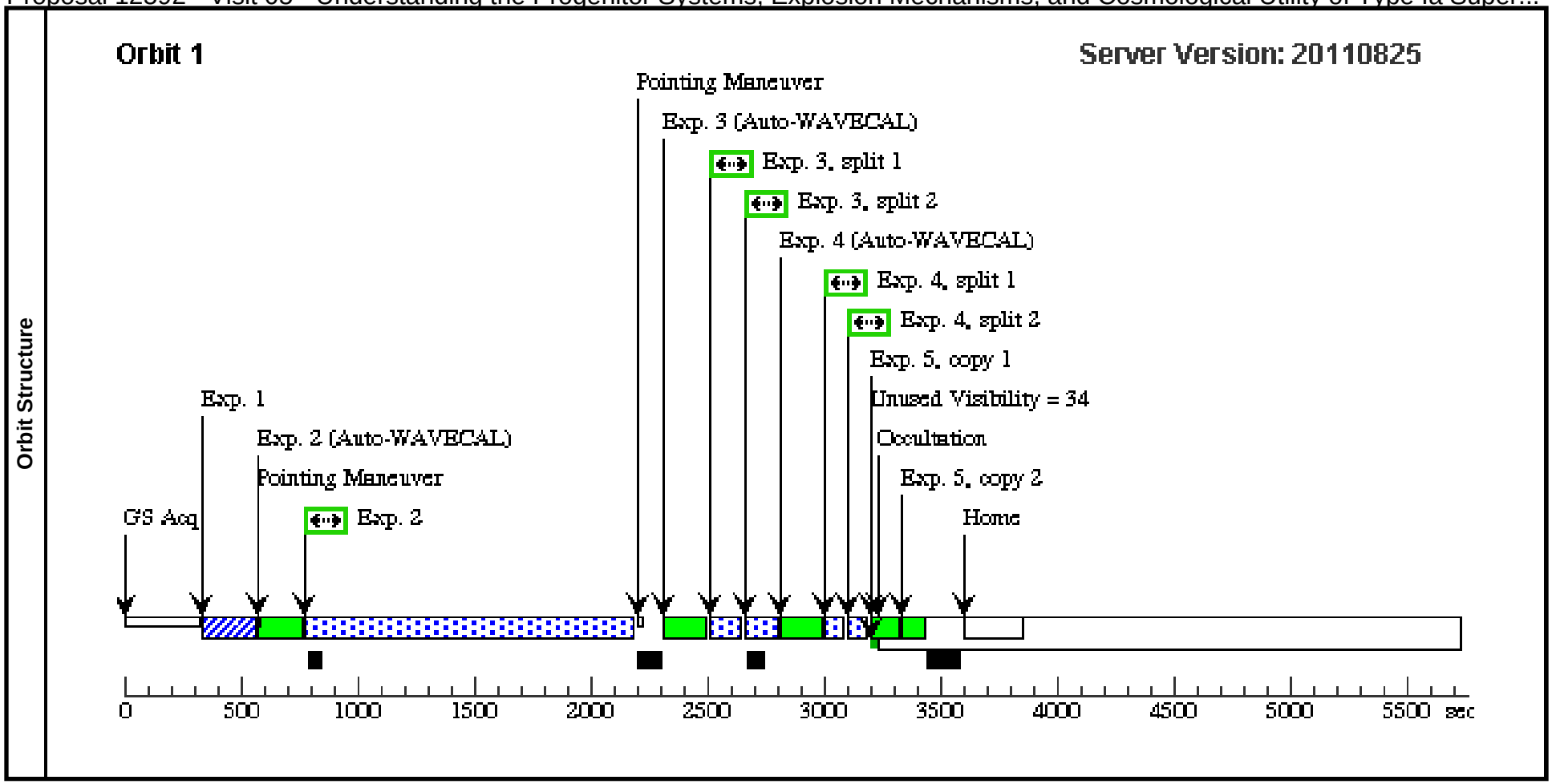
On Hold Comments: TOO

Generic Targets

#	Name	Criteria	Description
(1)	SN-TYPE-IA	TOO	SUPERNOVA TYPE IA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(1) SN-TYPE-IA	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs *[==>]*	 ***[1]***
2	(STIS.sp.186473)	(1) SN-TYPE-IA	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				1400 Secs *[==>]*	 ***[1]***
3		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			200 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
4		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***


Orbit 1
Server Version: 20110825
Orbit Structure
Pointing Maneuver
Exp. 3 (Auto-WAVECAL)
Exp. 3, split 1
Exp. 3, split 2
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Exp. 5, copy 1
Unused Visibility = 34
Occultation
Exp. 5, copy 2
Exp. 1
Exp. 2 (Auto-WAVECAL)
Pointing Maneuver
GS Acq
Exp. 2
Home
0
500
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sec

Visit

Proposal 12592, Visit 06, withdrawn Tue Dec 06 02:25:21 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: AFTER 01 BY 20 D TO 21 D; ON HOLD

Comments: please try to schedule as early in the AFTER window as possible.

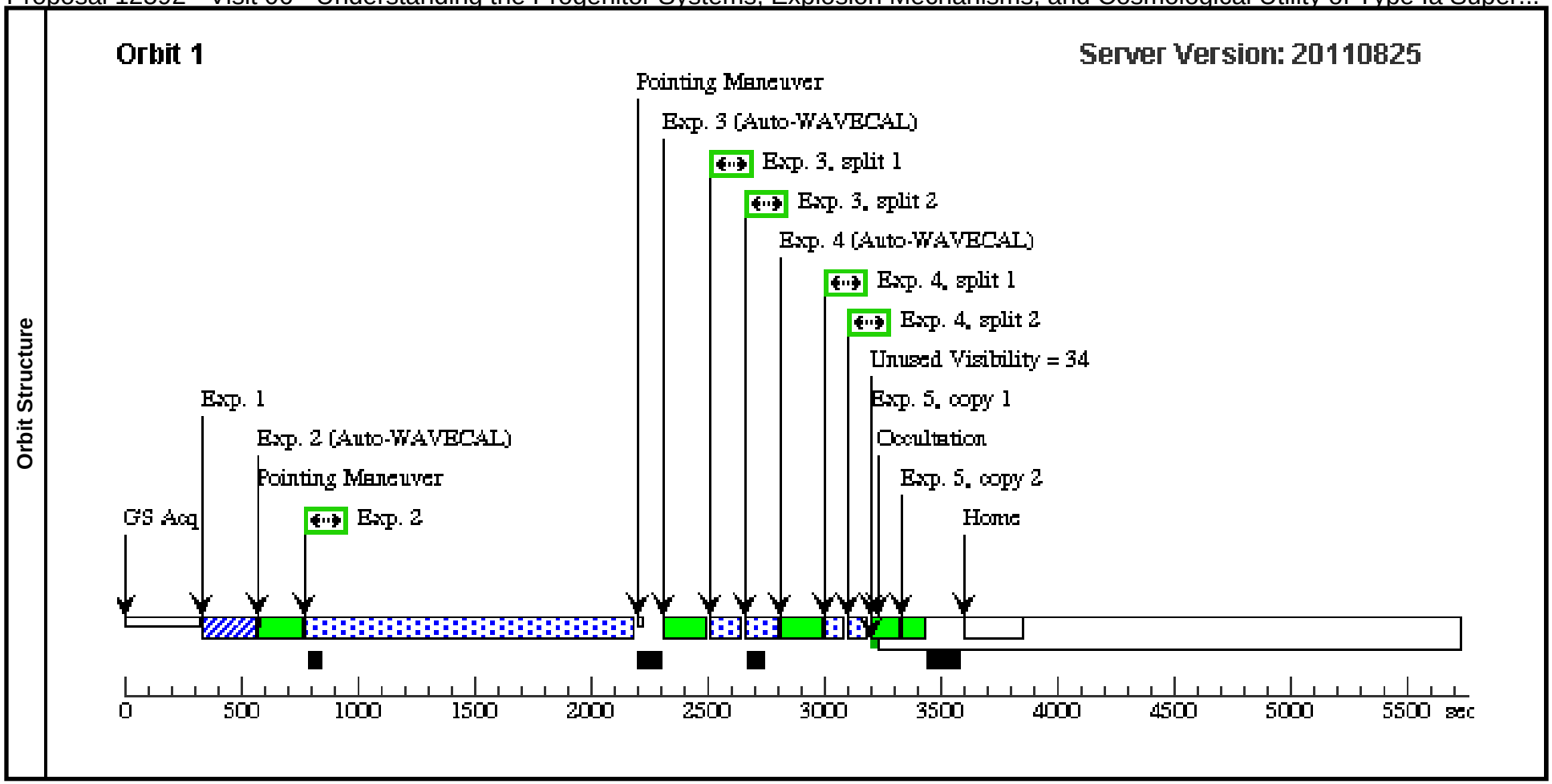
On Hold Comments: TOO

Generic Targets

#	Name	Criteria	Description
(1)	SN-TYPE-IA	TOO	SUPERNOVA TYPE IA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(1) SN-TYPE-IA	STIS/CCD, ACQ, F28X50LP	MIRROR				0.2 Secs *[==>]*	***[1]***
2	(STIS.sp.186473)	(1) SN-TYPE-IA	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				1400 Secs *[==>]*	***[1]***
3		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			200 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20110825
Pointing Maneuver
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Exp. 3, split 1
Exp. 3, split 2
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Unused Visibility = 34
Exp. 5, copy 1
Occultation
Exp. 5, copy 2
Home
Exp. 1
Exp. 2 (Auto-WAVECAL)
Pointing Maneuver
GS Acq
Exp. 2
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500
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sec

Visit

Proposal 12592, Visit 07, withdrawn Tue Dec 06 02:25:21 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: AFTER 01 BY 28 D TO 29 D; ON HOLD

Comments: please try to schedule as early in the AFTER window as possible.

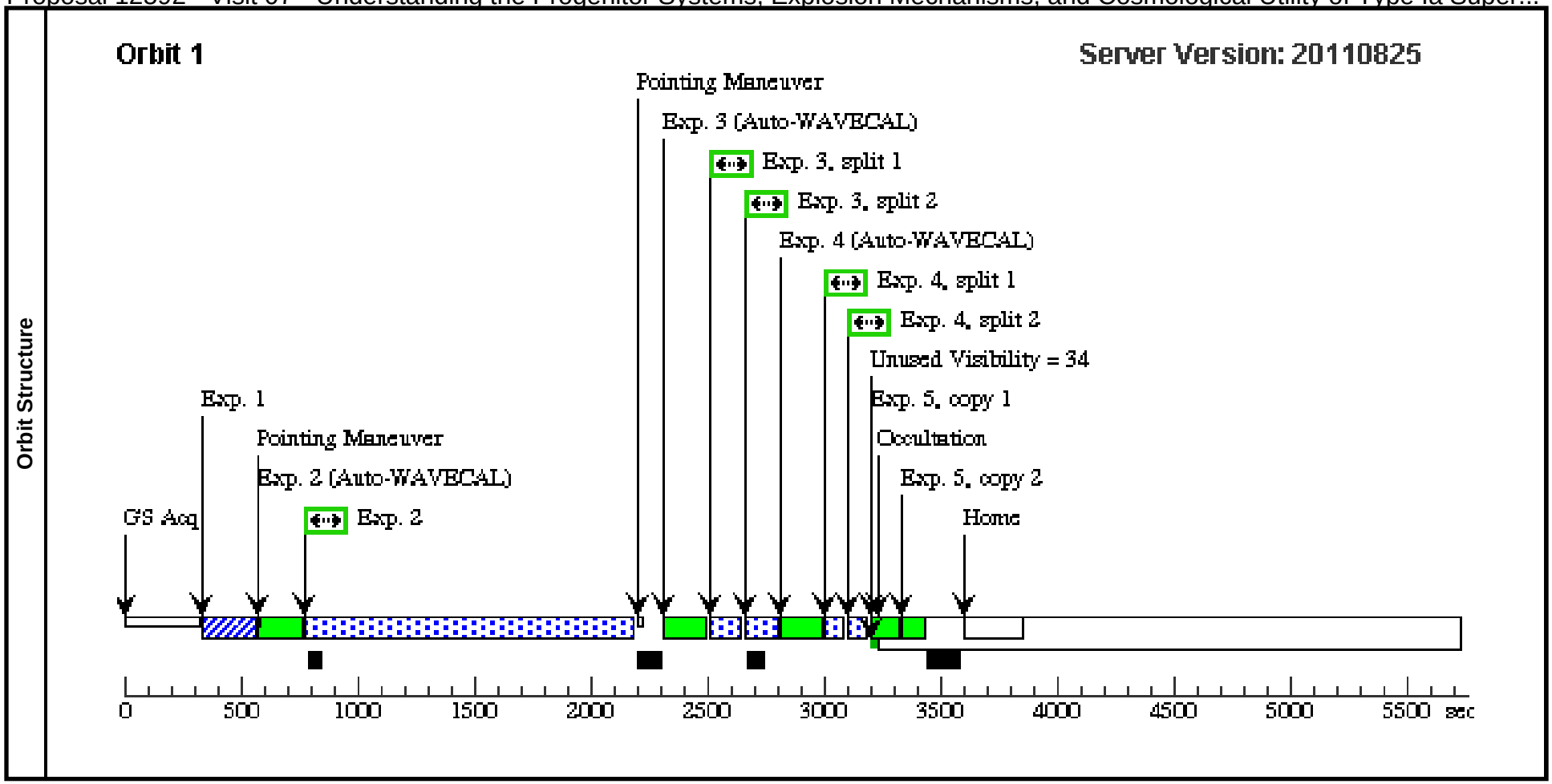
On Hold Comments: TOO

Generic Targets

#	Name	Criteria	Description
(1)	SN-TYPE-IA	TOO	SUPERNOVA TYPE IA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(1) SN-TYPE-IA	STIS/CCD, ACQ, F28X50LP	MIRROR				0.2 Secs *[==>]*	 ***[1]***
2	(STIS.sp.186473)	(1) SN-TYPE-IA	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				1400 Secs *[==>]*	 ***[1]***
3		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			200 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
4		(1) SN-TYPE-IA	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20110825
Pointing Maneuver
Exp. 3 (Auto-WAVECAL)
Exp. 3, split 1
Exp. 3, split 2
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Unused Visibility = 34
Exp. 5, copy 1
Occultation
Exp. 5, copy 2
Home
Exp. 1
Pointing Maneuver
Exp. 2 (Auto-WAVECAL)
GS Acq
Exp. 2
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3500
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4500
5000
5500
sec

Visit

Proposal 12592, Visit 11, implementation Tue Dec 06 02:25:21 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: SCHED 100%; ON HOLD

Comments: If is is possible to decrease the SCHEDABILITY, then please increase the exposure time to exposure #3 the second G230L exposure in orbit #2

On Hold Comments: TOO

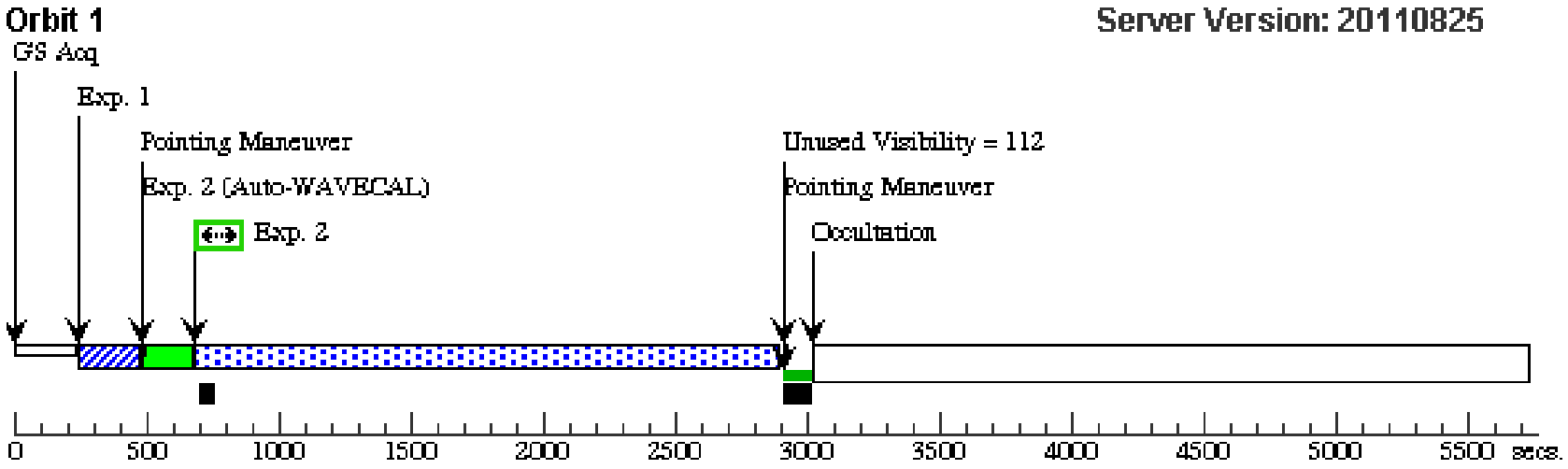
Fixed Targets

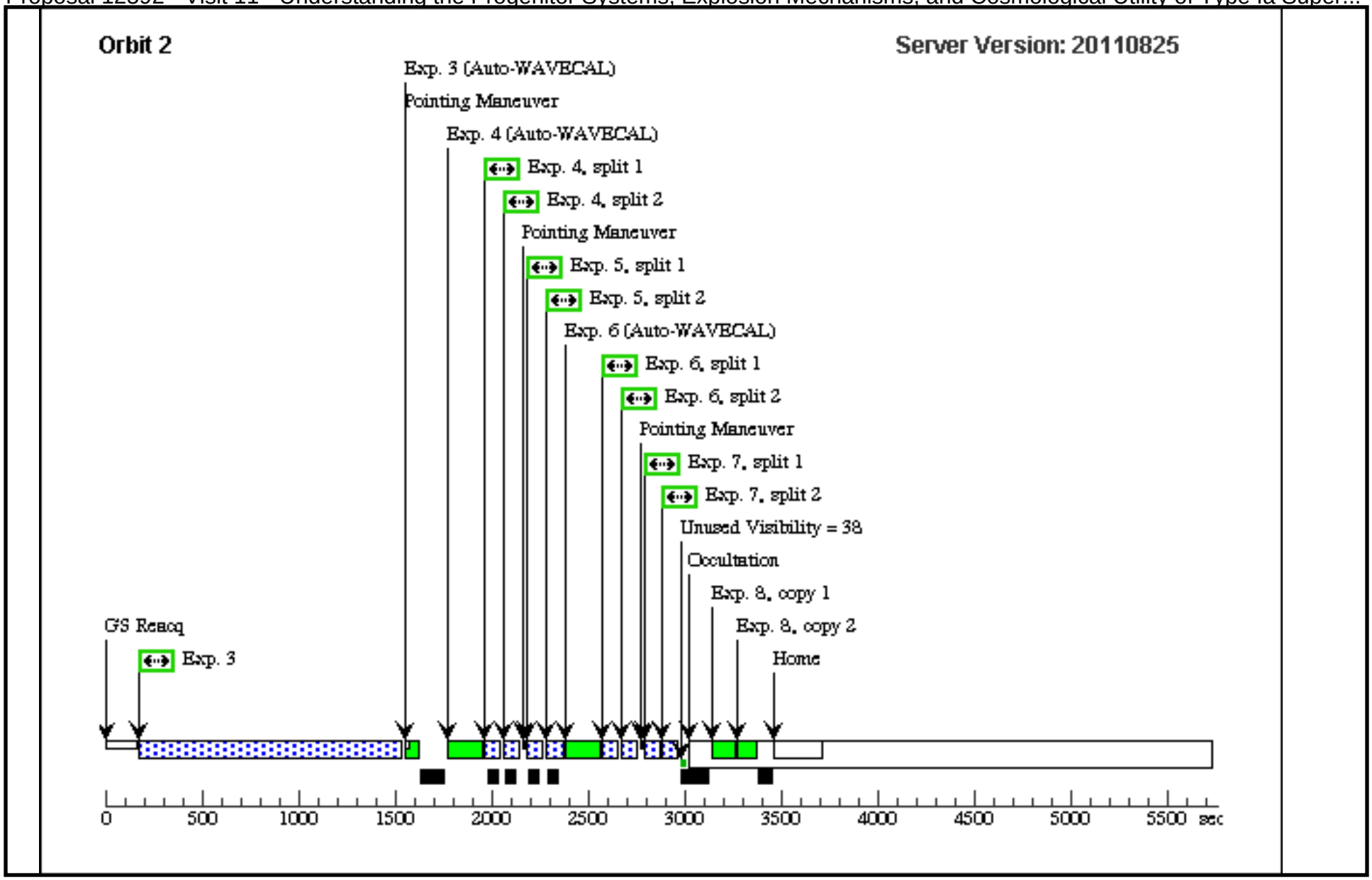
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	PSNJ0338	RA: 03 38 51.2750 (54.7136458d) Dec: -35 35 31.76 (-35.59216d) Equinox: J2000		V=12.4+/-0.3	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(2) PSNJ0338	STIS/CCD, ACQ, F28X50LP	MIRROR		GS ACQ SCENARIO SINGLE		0.1 Secs *[==>]*	 ***[1]***
Comments:).1 for 14th mag star yields a s/n ~50 Time to saturation is 15 seconds.									
2	(STIS.sp.186468)	(2) PSNJ0338	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				2200 Secs *[==>]*	 ***[1]***
3	(STIS.sp.186471)	(2) PSNJ0338	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A		POS TARG null,0.5		1350 Secs *[==>]*	 ***[2]***
4		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[2]***
5		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2	POS TARG 0.0,0.5		100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[2]***
6		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2	POS TARG 0.0,0.5		100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[2]***
7		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2	POS TARG 0.0,0.0		100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	 ***[2]***
8		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[2]***

Orbit Structure




Orbit 2
Server Version: 20110825
Exp. 3 (Auto-WAVECAL)
Pointing Maneuver
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Pointing Maneuver
Exp. 5, split 1
Exp. 5, split 2
Exp. 6 (Auto-WAVECAL)
Exp. 6, split 1
Exp. 6, split 2
Pointing Maneuver
Exp. 7, split 1
Exp. 7, split 2
Unused Visibility = 38
Occultation
Exp. 8, copy 1
Exp. 8, copy 2
Home
GS Reacq
Exp. 3
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 12592, Visit 12, implementation Tue Dec 06 02:25:22 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: SCHED 100%; ON HOLD

Comments: please try to schedule as early in the AFTER window as possible.

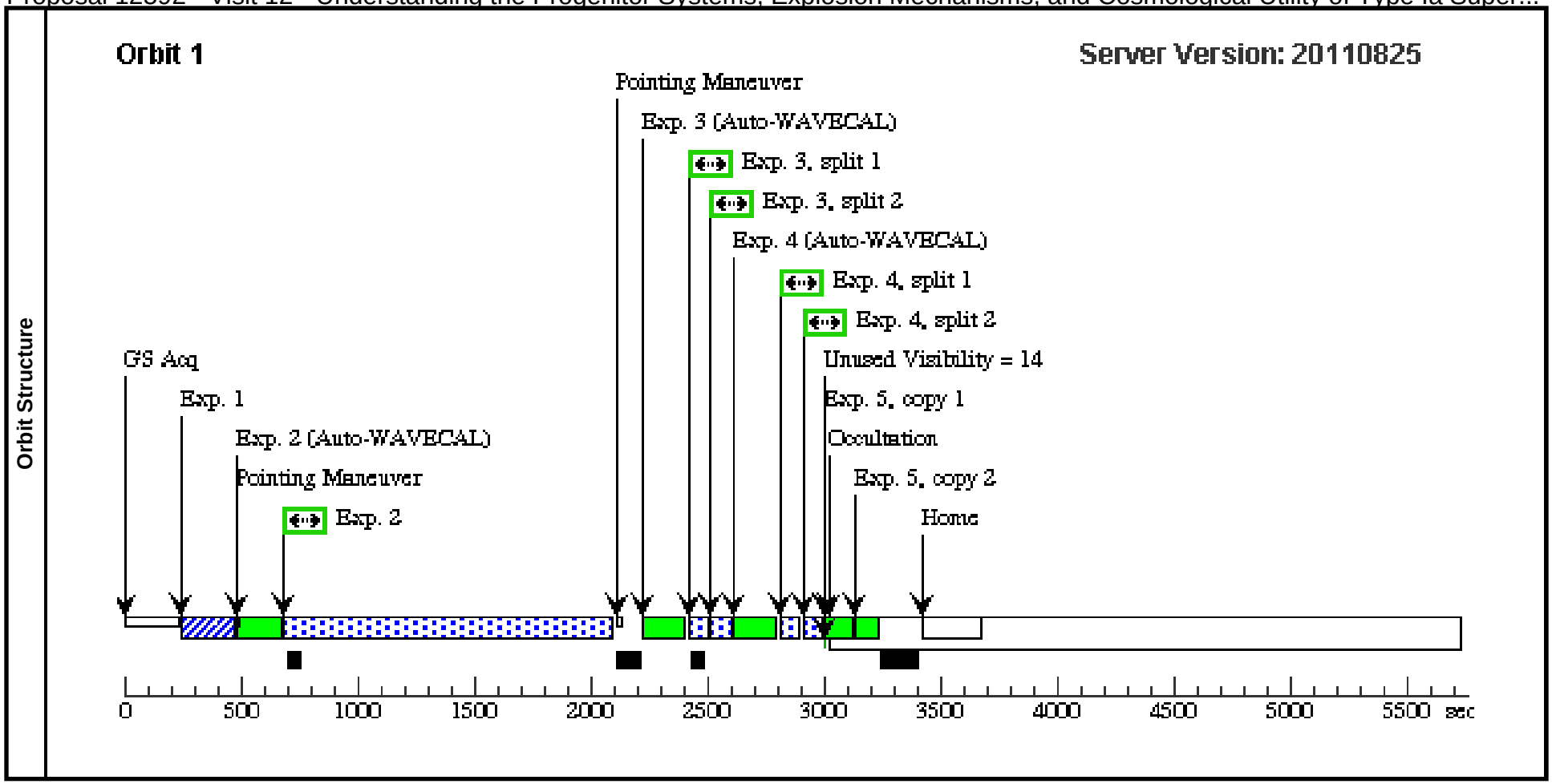
On Hold Comments: TOO

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	PSNJ0338	RA: 03 38 51.2750 (54.7136458d) Dec: -35 35 31.76 (-35.59216d) Equinox: J2000		V=12.4+/-0.3	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(2) PSNJ0338	STIS/CCD, ACQ, F28X50LP	MIRROR		GS ACQ SCENARIO SINGLE		0.1 Secs *[==>]*	***[1]***
2	(STIS.sp.186473)	(2) PSNJ0338	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				1400 Secs *[==>]*	***[1]***
3		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***


Orbit 1
Server Version: 20110825
Orbit Structure
Pointing Maneuver
Exp. 3 (Auto-WAVECAL)
Exp. 3, split 1
Exp. 3, split 2
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Unused Visibility = 14
Exp. 5, copy 1
Occultation
Exp. 5, copy 2
Home
GS Acq
Exp. 1
Exp. 2 (Auto-WAVECAL)
Pointing Maneuver
Exp. 2
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 12592, Visit 13, implementation Tue Dec 06 02:25:23 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: SCHED 100%; AFTER 12 BY 4 D TO 5 D; ON HOLD

Comments: please try to schedule as early in the AFTER window as possible.

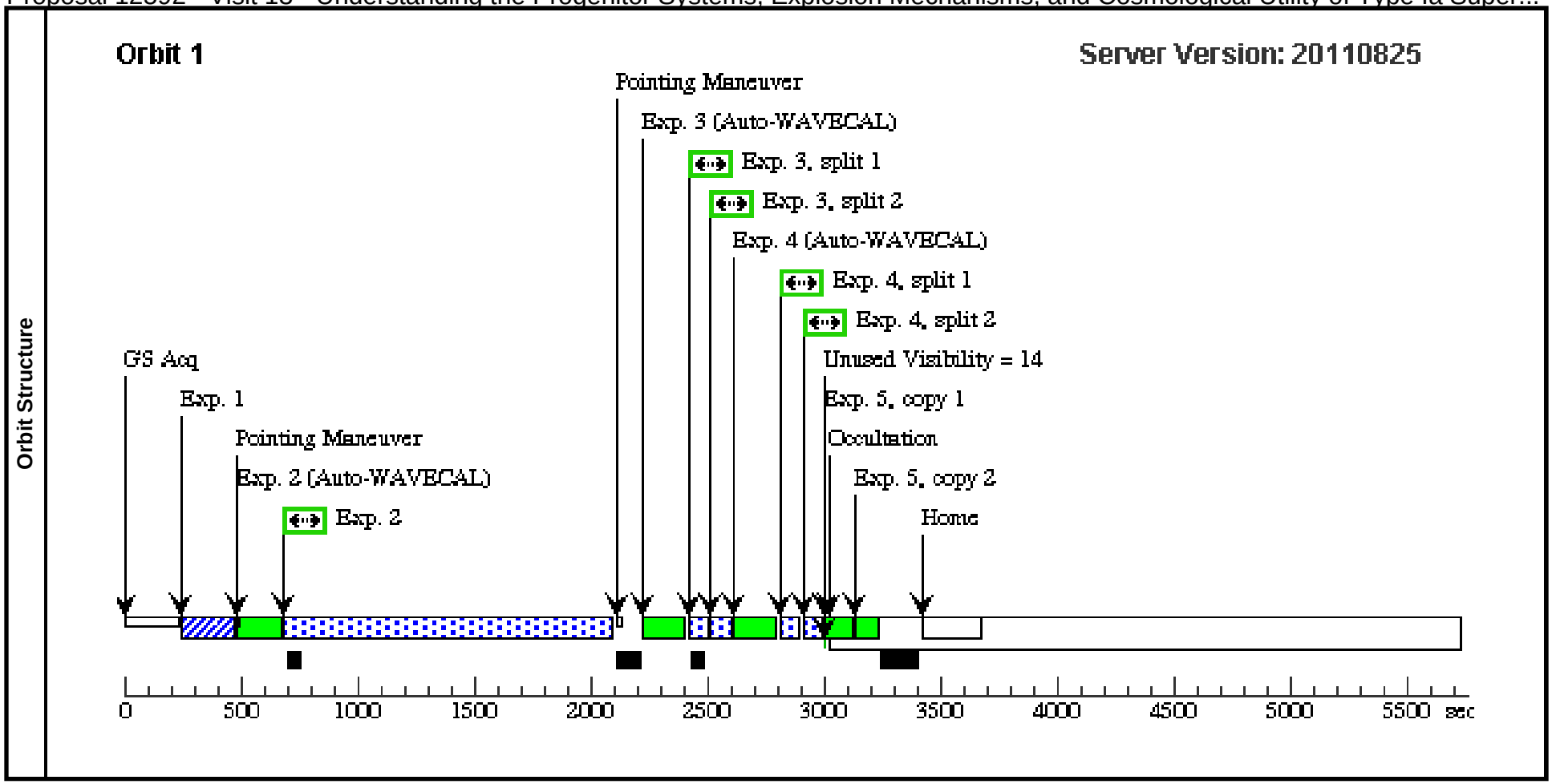
On Hold Comments: TOO

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	PSNJ0338	RA: 03 38 51.2750 (54.7136458d) Dec: -35 35 31.76 (-35.59216d) Equinox: J2000		V=12.4+/-0.3	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(2) PSNJ0338	STIS/CCD, ACQ, F28X50LP	MIRROR		GS ACQ SCENARIO SINGLE		0.1 Secs *[==>]*	***[1]***
2	(STIS.sp.186473)	(2) PSNJ0338	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				1400 Secs *[==>]*	***[1]***
3		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***


Orbit 1
Server Version: 20110825
Orbit Structure
Pointing Maneuver
Exp. 3 (Auto-WAVECAL)
Exp. 3, split 1
Exp. 3, split 2
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Unused Visibility = 14
Exp. 5, copy 1
Occultation
Exp. 5, copy 2
Home
GS Acq
Exp. 1
Pointing Maneuver
Exp. 2 (Auto-WAVECAL)
Exp. 2
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 12592, Visit 14, implementation Tue Dec 06 02:25:23 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: SCHED 100%; AFTER 12 BY 8 D TO 9 D; ON HOLD

Comments: please try to schedule as early in the AFTER window as possible.

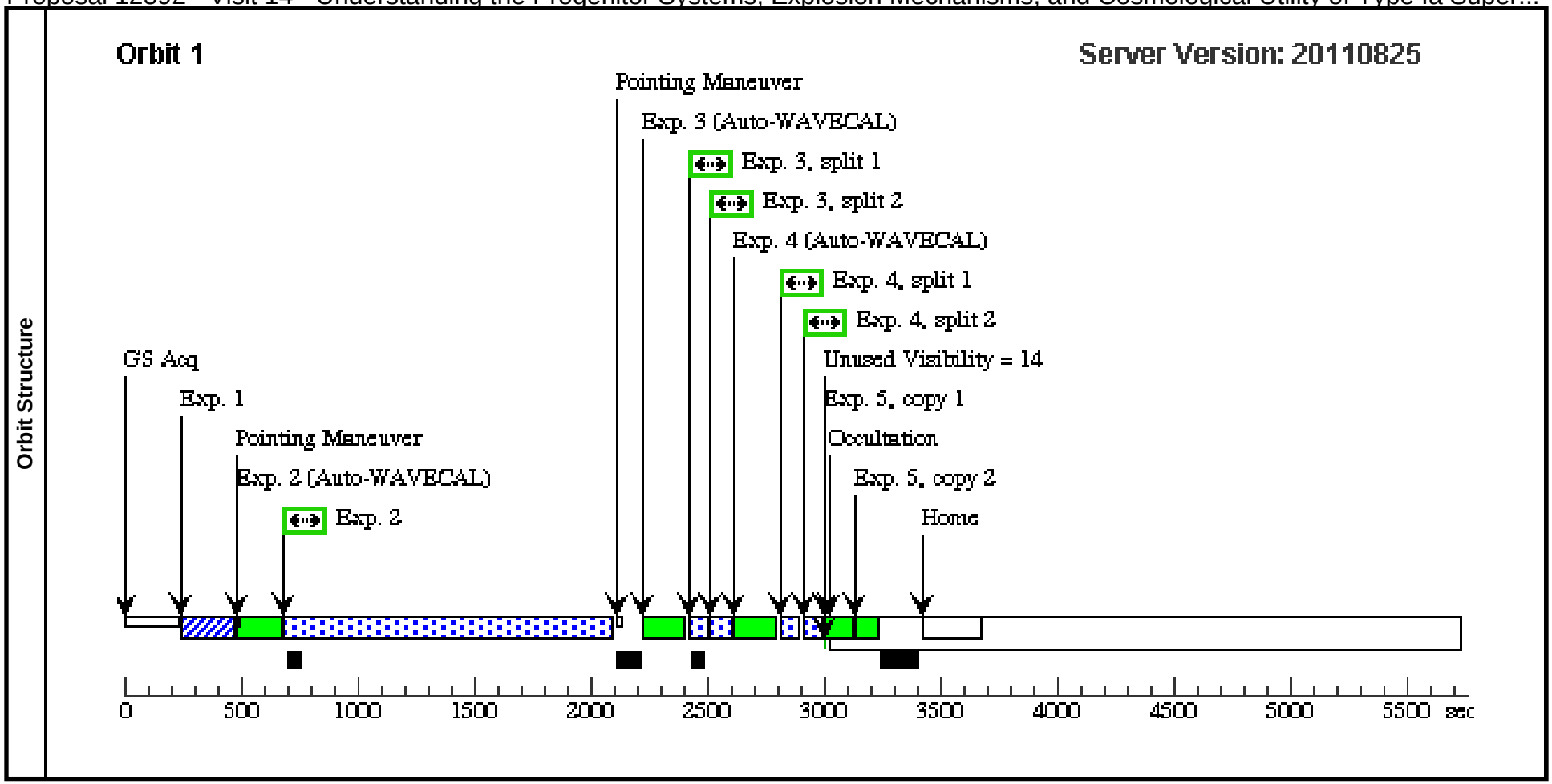
On Hold Comments: TOO

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	PSNJ0338	RA: 03 38 51.2750 (54.7136458d) Dec: -35 35 31.76 (-35.59216d) Equinox: J2000		V=12.4+/-0.3	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(2) PSNJ0338	STIS/CCD, ACQ, F28X50LP	MIRROR		GS ACQ SCENARIO SINGLE		0.1 Secs *[==>]*	***[1]***
2	(STIS.sp.186473)	(2) PSNJ0338	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				1400 Secs *[==>]*	***[1]***
3		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***


Orbit 1
Server Version: 20110825
Orbit Structure
Pointing Maneuver
Exp. 3 (Auto-WAVECAL)
Exp. 3, split 1
Exp. 3, split 2
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Unused Visibility = 14
Exp. 5, copy 1
Occultation
Exp. 5, copy 2
Home
GS Acq
Exp. 1
Pointing Maneuver
Exp. 2 (Auto-WAVECAL)
Exp. 2
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 12592, Visit 15, implementation Tue Dec 06 02:25:24 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: SCHED 100%; AFTER 12 BY 12 D TO 13 D; ON HOLD

Comments: please try to schedule as early in the AFTER window as possible.

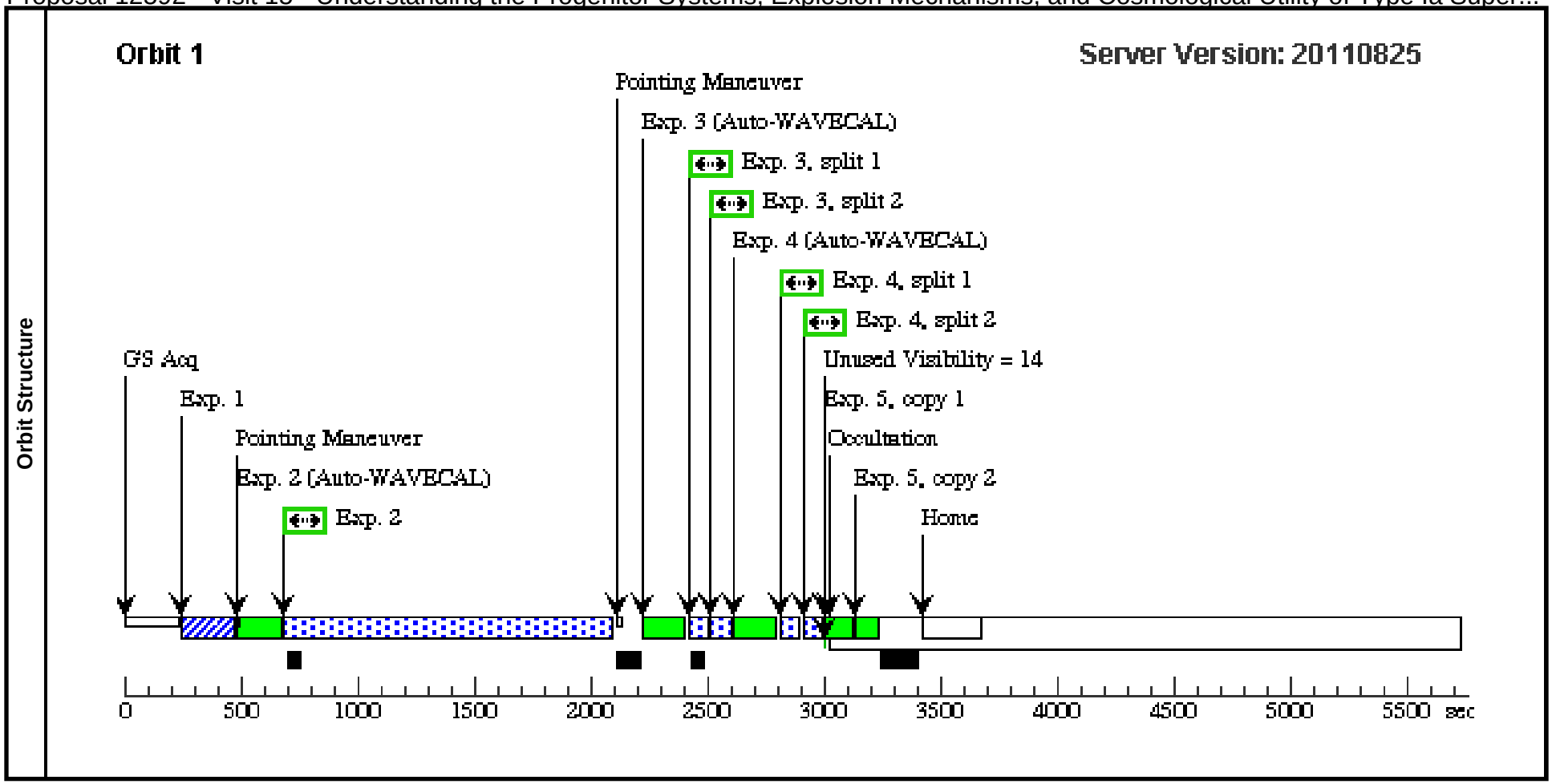
On Hold Comments: TOO

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	PSNJ0338	RA: 03 38 51.2750 (54.7136458d) Dec: -35 35 31.76 (-35.59216d) Equinox: J2000		V=12.4+/-0.3	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(2) PSNJ0338	STIS/CCD, ACQ, F28X50LP	MIRROR		GS ACQ SCENARIO SINGLE		0.1 Secs *[==>]*	***[1]***
2	(STIS.sp.186473)	(2) PSNJ0338	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				1400 Secs *[==>]*	***[1]***
3		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***


Orbit 1
Server Version: 20110825
Orbit Structure
Pointing Maneuver
Exp. 3 (Auto-WAVECAL)
Exp. 3, split 1
Exp. 3, split 2
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Unused Visibility = 14
Exp. 5, copy 1
Occultation
Exp. 5, copy 2
Home
GS Acq
Exp. 1
Pointing Maneuver
Exp. 2 (Auto-WAVECAL)
Exp. 2
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 12592, Visit 16, implementation Tue Dec 06 02:25:24 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: SCHED 100%; AFTER 12 BY 16 D TO 17 D; ON HOLD

Comments: please try to schedule as early in the AFTER window as possible.

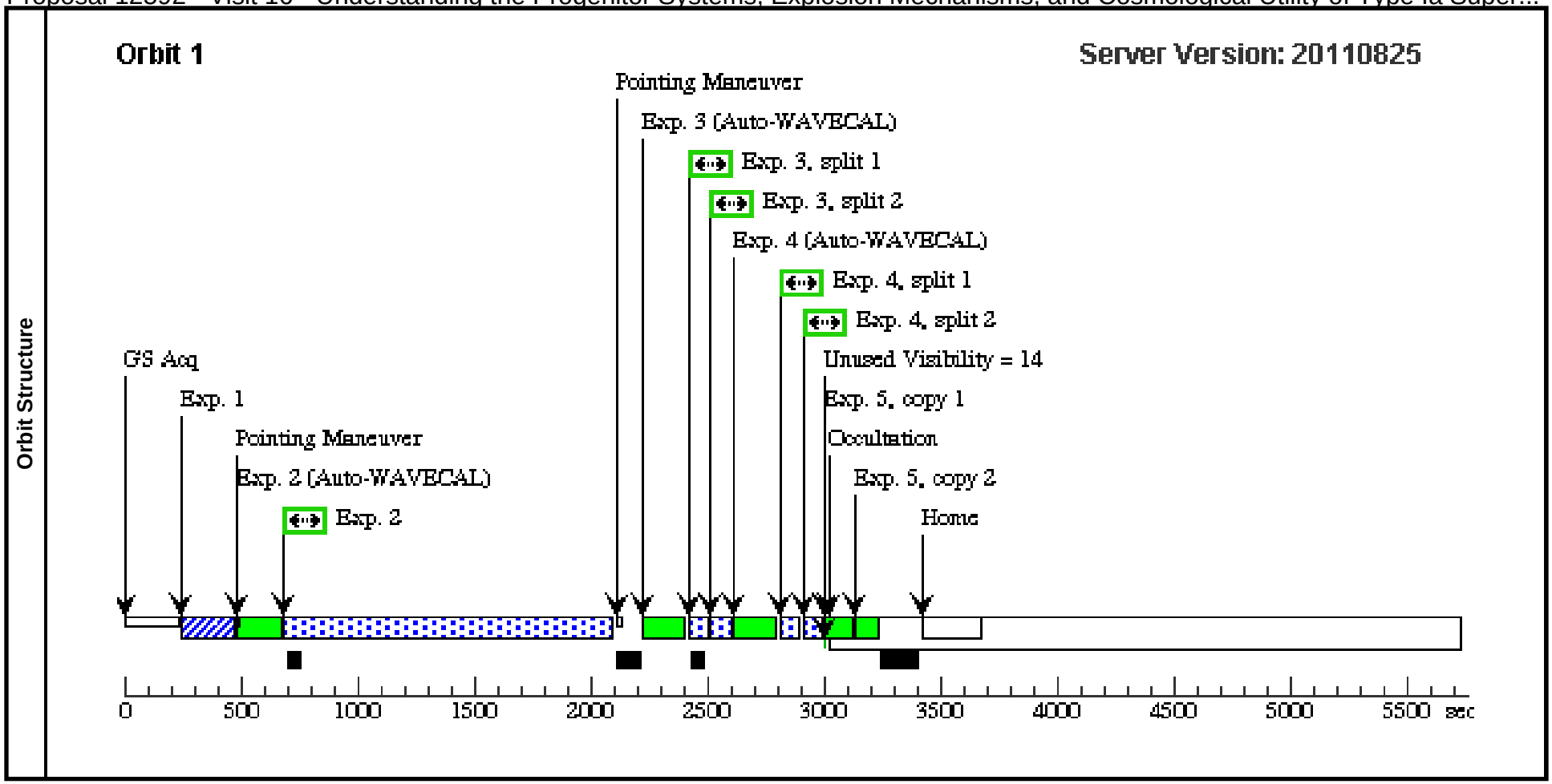
On Hold Comments: TOO

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	PSNJ0338	RA: 03 38 51.2750 (54.7136458d) Dec: -35 35 31.76 (-35.59216d) Equinox: J2000		V=12.4+/-0.3	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(2) PSNJ0338	STIS/CCD, ACQ, F28X50LP	MIRROR		GS ACQ SCENARIO SINGLE		0.1 Secs *[==>]*	***[1]***
2	(STIS.sp.186473)	(2) PSNJ0338	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				1400 Secs *[==>]*	***[1]***
3		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***


Orbit 1
Server Version: 20110825
Orbit Structure
Pointing Maneuver
Exp. 3 (Auto-WAVECAL)
Exp. 3, split 1
Exp. 3, split 2
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Unused Visibility = 14
Exp. 5, copy 1
Occultation
Exp. 5, copy 2
Home
GS Acq
Exp. 1
Pointing Maneuver
Exp. 2 (Auto-WAVECAL)
Exp. 2
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 12592, Visit 17, implementation Tue Dec 06 02:25:24 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD, STIS/NUV-MAMA

Special Requirements: SCHED 100%; AFTER 12 BY 24 D TO 25 D; ON HOLD

Comments: please try to schedule as early in the AFTER window as possible.

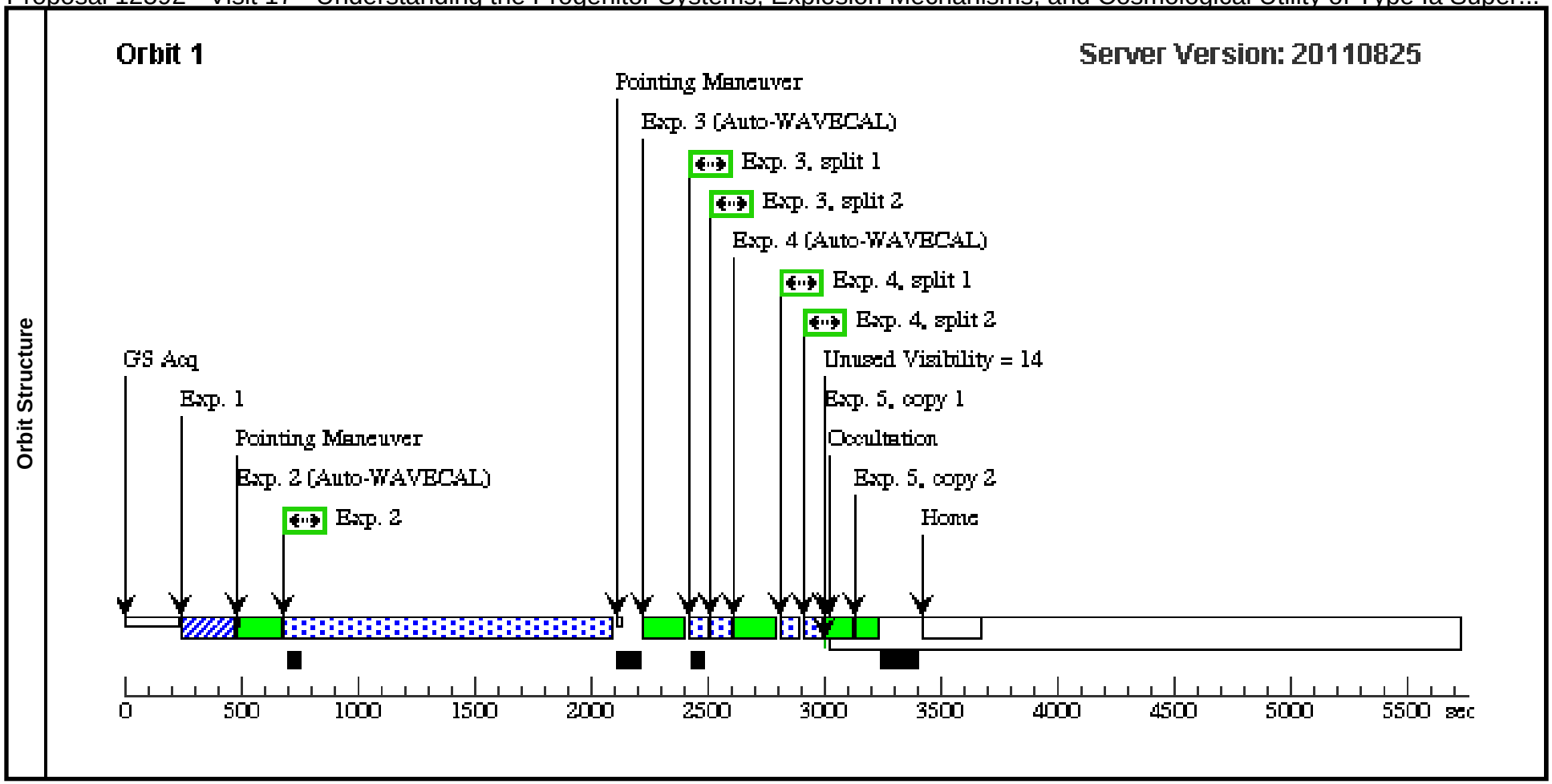
On Hold Comments: TOO

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	PSNJ0338	RA: 03 38 51.2750 (54.7136458d) Dec: -35 35 31.76 (-35.59216d) Equinox: J2000		V=12.4+/-0.3	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(2) PSNJ0338	STIS/CCD, ACQ, F28X50LP	MIRROR		GS ACQ SCENARIO SINGLE		0.1 Secs *[==>]*	***[1]***
2	(STIS.sp.186473)	(2) PSNJ0338	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A				1400 Secs *[==>]*	***[1]***
3		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
5		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[1]***


Orbit 1
Server Version: 20110825
Orbit Structure
Pointing Maneuver
Exp. 3 (Auto-WAVECAL)
Exp. 3, split 1
Exp. 3, split 2
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Unused Visibility = 14
Exp. 5, copy 1
Occultation
Exp. 5, copy 2
Home
GS Acq
Exp. 1
Pointing Maneuver
Exp. 2 (Auto-WAVECAL)
Exp. 2
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 12592, Visit 21, implementation Tue Dec 06 02:25:25 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/CCD

Special Requirements: SCHED 100%; ON HOLD

Comments: If is is possible to decrease the SCHEDABILITY, then please increase the exposure time to exposure #3 the second G230L exposure in orbit #2

On Hold Comments: TOO

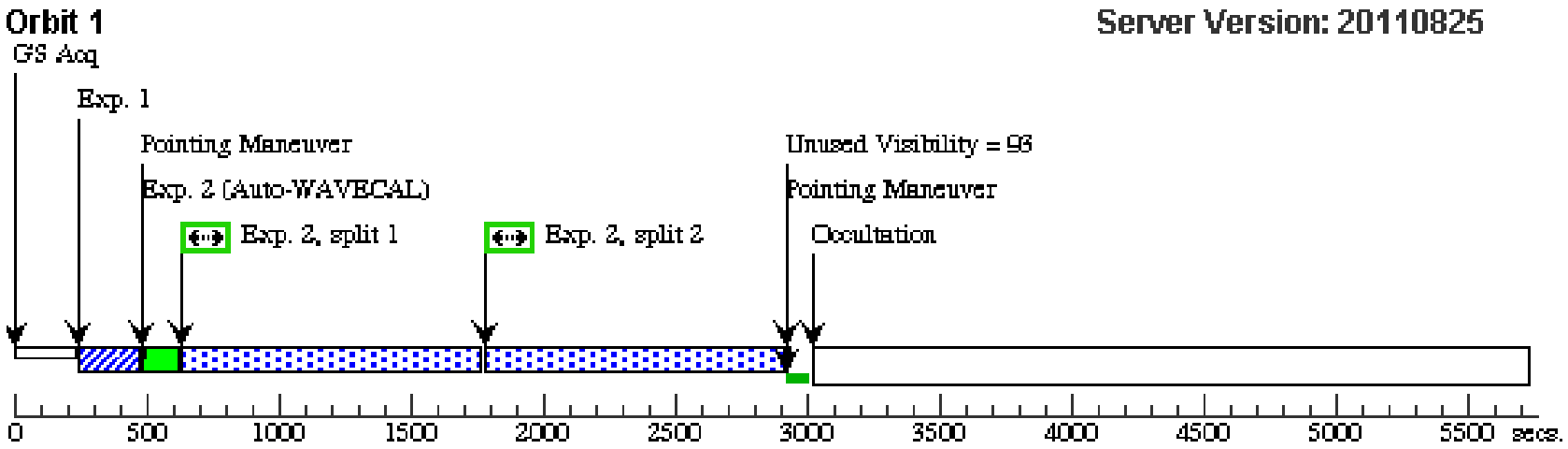
Fixed Targets

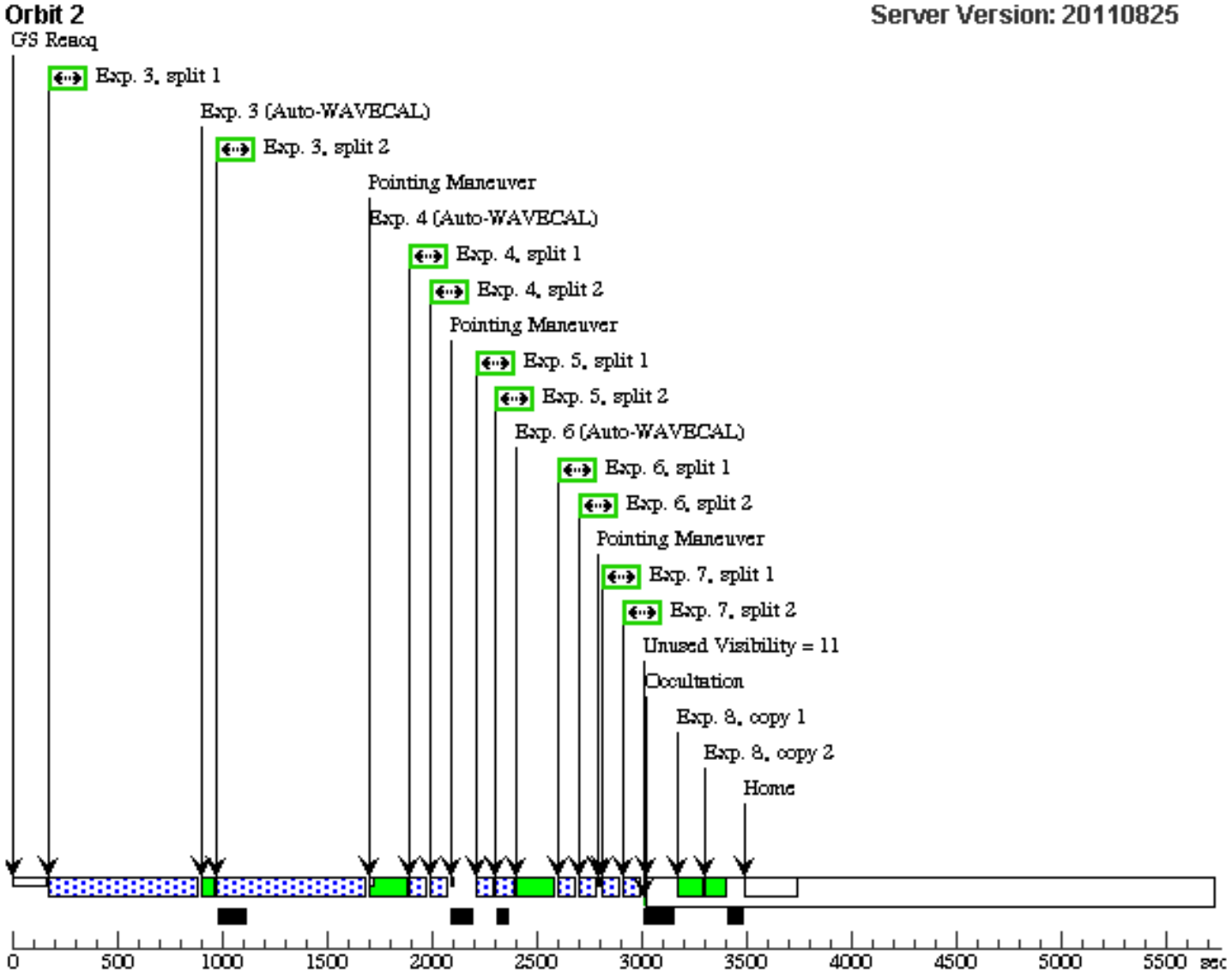
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	PSNJ0338	RA: 03 38 51.2750 (54.7136458d) Dec: -35 35 31.76 (-35.59216d) Equinox: J2000		V=12.4+/-0.3	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(2) PSNJ0338	STIS/CCD, ACQ, F28X50LP	MIRROR		GS ACQ SCENARIO SINGLE		0.1 Secs *[==>]*	***[1]***
Comments:).1 for 14th mag star yields a s/n ~50 Time to saturation is 15 seconds.									
2	(STIS.sp.186468)	(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2	G230LB 2375 A				2200 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
3	(STIS.sp.186471)	(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2	G230LB 2375 A		POS TARG null,0.5		1350 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[2]***
4		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[2]***
5		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2	POS TARG 0.0,0.5		100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[2]***
6		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2	POS TARG 0.0,0.5		100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[2]***
7		(2) PSNJ0338	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2	POS TARG 0.0,0.0		100 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[2]***
8		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				*[==>(Copy 1)]* *[==>(Copy 2)]*	***[2]***

Orbit Structure




Orbit 2
Server Version: 20110825
GS Reacq
Exp. 3, split 1
Exp. 3 (Auto-WAVECAL)
Exp. 3, split 2
Pointing Maneuver
Exp. 4 (Auto-WAVECAL)
Exp. 4, split 1
Exp. 4, split 2
Pointing Maneuver
Exp. 5, split 1
Exp. 5, split 2
Exp. 6 (Auto-WAVECAL)
Exp. 6, split 1
Exp. 6, split 2
Pointing Maneuver
Exp. 7, split 1
Exp. 7, split 2
Unused Visibility = 11
Occultation
Exp. 8, copy 1
Exp. 8, copy 2
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec