



# 11721 - Verifying the Utility of Type Ia Supernovae as Cosmological Probes: Evolution and Dispersion in the Ultraviolet Spectra

Cycle: 17, Proposal Category: GO

(Availability Mode: SUPPORTED)

## INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
<b>Prof. Richard S. Ellis (PI)</b>	<b>California Institute of Technology</b>	<b>rse@astro.caltech.edu</b>
Dr. Mark Sullivan (CoI) (ESA Member) (Contact)	University of Oxford	sullivan@astro.ox.ac.uk
Dr. Peter E. Nugent (CoI)	Lawrence Berkeley National Laboratory	penugent@lbl.gov
Dr. Dale Andy Howell (CoI)	University of Toronto	howell@astro.utoronto.ca
Dr. Avishay Gal-Yam (CoI)	Weizmann Institute of Science	avishay.gal-yam@weizmann.ac.il
Dr. Brian Schmidt (CoI)	Australian National University	brian@mso.anu.edu.au
Dr. Saul Perlmutter (CoI)	Lawrence Berkeley National Laboratory	saul@lbl.gov
Dr. Reynald Pain (CoI) (ESA Member)	Laboratoire de Physique Nucleaire des Hautes Energies	reynald.pain@in2p3.fr
Dr. Isobel Hook (CoI) (ESA Member)	University of Oxford	imh@astro.ox.ac.uk
Dr. Pierre Astier (CoI) (ESA Member)	Laboratoire de Physique Nucleaire des Hautes Energies	Pierre.Astier@in2p3.fr
Prof. Phillip Podsiadlowski (CoI) (ESA Member)	University of Oxford	podsi@astro.ox.ac.uk

## 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	(36) 09DNL	STIS/CCD	1	16-Dec-2010 21:06:23.0	yes
02	(38) 09DLC	STIS/CCD	1	16-Dec-2010 21:06:31.0	yes
03	(37) 09DNP	STIS/CCD	1	16-Dec-2010 21:06:39.0	yes

Proposal 11721 (STScI Edit Number: 5, Created: Thursday, December 16, 2010 9:09:31 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
04	(4) 09FOX	STIS/CCD	1	16-Dec-2010 21:06:45.0	yes
05	(5) 09FOZ	STIS/CCD	1	16-Dec-2010 21:06:51.0	yes
06	(6) SN2009LE	STIS/CCD	1	16-Dec-2010 21:06:57.0	yes
07	(7) 10BJS	STIS/CCD	1	16-Dec-2010 21:07:02.0	yes
08	(8) 10FPS	STIS/CCD	1	16-Dec-2010 21:07:07.0	yes
09	(39) 10HDV	STIS/CCD	1	16-Dec-2010 21:07:13.0	yes
10	(40) 10HMV	STIS/CCD	1	16-Dec-2010 21:07:17.0	yes
11	(41) 10ICB	STIS/CCD	1	16-Dec-2010 21:07:23.0	yes
12	(42) 10MWB	STIS/CCD	1	16-Dec-2010 21:07:29.0	yes
13	(13) 10NLG	STIS/CCD	1	16-Dec-2010 21:07:35.0	yes
14	(14) 10NDC	STIS/CCD	1	16-Dec-2010 21:07:45.0	yes
15	(15) 10OSN	STIS/CCD	1	16-Dec-2010 21:07:50.0	yes
16	(16) 10OPS	STIS/CCD	1	16-Dec-2010 21:07:55.0	yes
17	(17) 10PDF	STIS/CCD	1	16-Dec-2010 21:07:59.0	yes
18	(18) 10QJQ	STIS/CCD	1	16-Dec-2010 21:08:05.0	yes
19	(19) 10QJL	STIS/CCD	1	16-Dec-2010 21:08:11.0	yes
20	(20) 10QYX	STIS/CCD	1	16-Dec-2010 21:08:16.0	yes
21	(21) 10TCE	STIS/CCD	1	16-Dec-2010 21:08:20.0	yes
22	(22) 10UFJ	STIS/CCD	1	16-Dec-2010 21:08:25.0	yes
23	(23) 10WNM	STIS/CCD	1	16-Dec-2010 21:08:30.0	yes
24	(24) 10WOF	STIS/CCD	1	16-Dec-2010 21:08:34.0	yes
25	(25) 10XYT	STIS/CCD	1	16-Dec-2010 21:08:38.0	yes
26	(26) 10YUX	STIS/CCD	1	16-Dec-2010 21:08:43.0	yes
27	(27) 10ZDK	STIS/CCD	1	16-Dec-2010 21:08:49.0	yes
28	(28) SN2010JU	STIS/CCD	1	16-Dec-2010 21:08:53.0	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>
29	(29) SN2010XXXX	STIS/CCD	1	16-Dec-2010 21:08:58.0	yes
30	(30) 10ACDH	STIS/CCD	1	16-Dec-2010 21:09:02.0	yes
31	(31) LOWZSN-31	STIS/CCD	1	16-Dec-2010 21:09:06.0	yes
32	(32) LOWZSN-32	STIS/CCD	1	16-Dec-2010 21:09:11.0	yes
33	(33) LOWZSN-33	STIS/CCD	1	16-Dec-2010 21:09:16.0	yes
34	(34) LOWZSN-34	STIS/CCD	1	16-Dec-2010 21:09:21.0	yes
35	(35) LOWZSN-35	STIS/CCD	1	16-Dec-2010 21:09:25.0	yes

35 Total Orbits Used

### **ABSTRACT**

The study of distant type Ia supernova (SNe Ia) offers the most practical and immediate discriminator between popular models of dark energy. Yet fundamental questions remain over possible redshift-dependent trends in their observed and intrinsic properties. High quality Keck spectroscopy of a representative sample of 36 intermediate redshift SNe Ia has revealed a surprising, and unexplained, diversity in their rest-frame UV fluxes. One possible explanation is hitherto undiscovered variations in the progenitor metallicity. Unfortunately, this result cannot be compared to local UV data as only two representative SNe Ia have been studied near maximum light. Taking advantage of two new 'rolling searches' and the restoration of STIS, we propose a non-disruptive TOO campaign to create an equivalent comparison local sample. This will allow us to address possible evolution in the mean UV spectrum and its diversity, an essential precursor to the study of SNe beyond  $z \sim 1$ .

### **OBSERVING DESCRIPTION**

Our goal is to construct a sample of maximum-light UV spectra for 35 SNe Ia for a detailed comparison with a high- $z$  spectral database containing a similar number of objects. We will draw our target SNe Ia from two "rolling" searches: the SkyMapper project and the Palomar Transient Factory (PTF). We will restrict our follow-up to events in the lower-redshift end of the Hubble Flow ( $0.02 < z < 0.08$ ). On average an event will be discovered every 4 nights to  $r=19.5$  (with a  $S/N > 10$ ) at between -15 and -9 days prior to maximum light.

Following each discovery and multi-colour photometric screening of all candidates, spectroscopic confirmation of promising events is expected within 24 hours. As types and redshifts are confirmed, target coordinates will be entered into our Phase II and be available for scheduling by STScI

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when the next weekly HST schedule is constructed (the "SMS"). Due to the large numbers of SNe expected in our two rolling searches, a steady supply of young SN Ia events will be available.

This mode of observing is physically distinct from a regular TOO and is, in effect, a "non-disruptive" TOO: The HST schedule does not need to be altered once it has been finalized. Clearly, the sooner our observations are performed within a given SMS, the greater the science return. We will work closely with STScI to streamline this process.

Observing configuration: We require data down to a rest-frame wavelength of 2900Å; an intermediate-resolution grating is adequate and we will use STIS CCD/430L. Using the STIS ETC we estimate that the bulk of our targets will require about 2000s with CR-SPLIT=3 to remove cosmic-rays.

Target acquisition: Coordinates in the GSC2 system and/or offsets from GSC2 stars accurate to 0.2" will always be available from the two search cameras. As all SNe observed will be brighter than 19th magnitude at the time of STIS observation and we will use the 0.2" slit, the standard STIS acquisition for point sources can be used. Although the SNe will lie on a diffuse background from their host galaxy, at the resolution of HST the SN will be cleanly isolated from, and much brighter than, the host. In the cases where the host galaxy could confuse the automatic acquisition process, we will instead offset from nearby bright stars.

### **REAL TIME JUSTIFICATION**

No realtime requirements.

### **CALIBRATION JUSTIFICATION**

No special calibrations required.

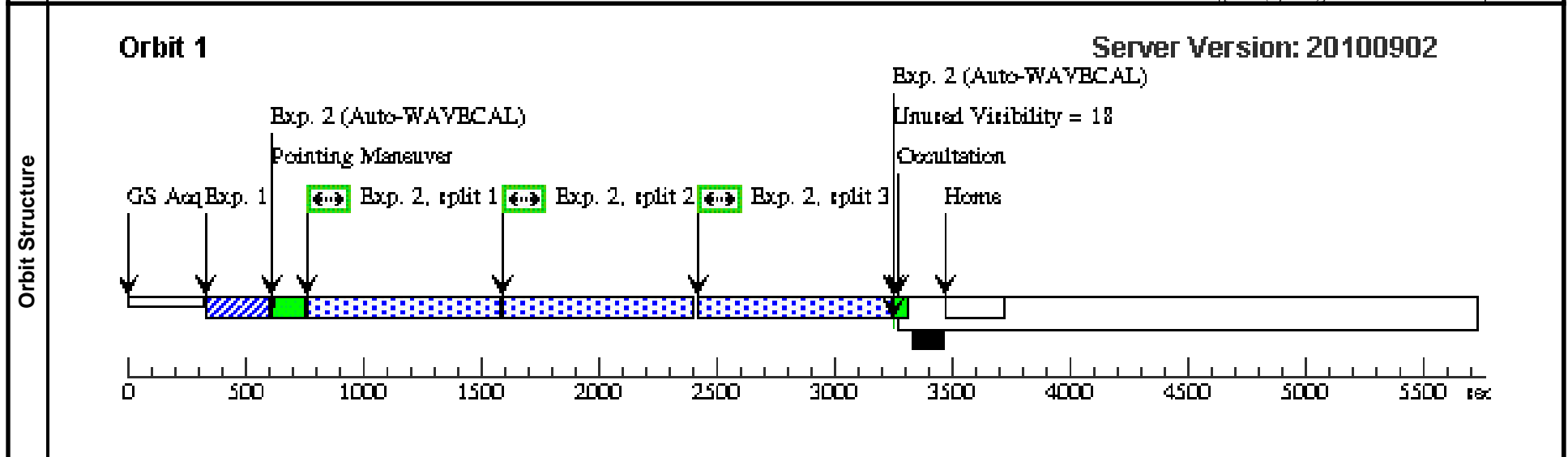
### **ADDITIONAL COMMENTS**

Though this is a TOO proposal, our observations are "non-disruptive" as no changes are necessary once an SMS has been finalized. We will specify our exact observing configuration and exposure times by the Phase 2 deadline and simply update the coordinates of our targets as they become available from SkyMapper/PTF. No changes will be made after a given SMS has been finalized, hence the impact on STScI should be minimal.

<b>Visit</b>	Proposal 11721, Visit 01, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 08-SEP-2009:23:59:59				
<i>Comments: UV spectrum of 09DNL</i>					

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(36)	09DNL	RA: 17 23 41.8040 (260.9241833d) Dec: +30 29 49.47 (30.49708d) Equinox: J2000	Proper Motion RA: 0sec of time/yr Proper Motion Dec: null Epoch of Position: Redshift: 0.025	V=16.1+/-0.5	Reference Frame: ICRS

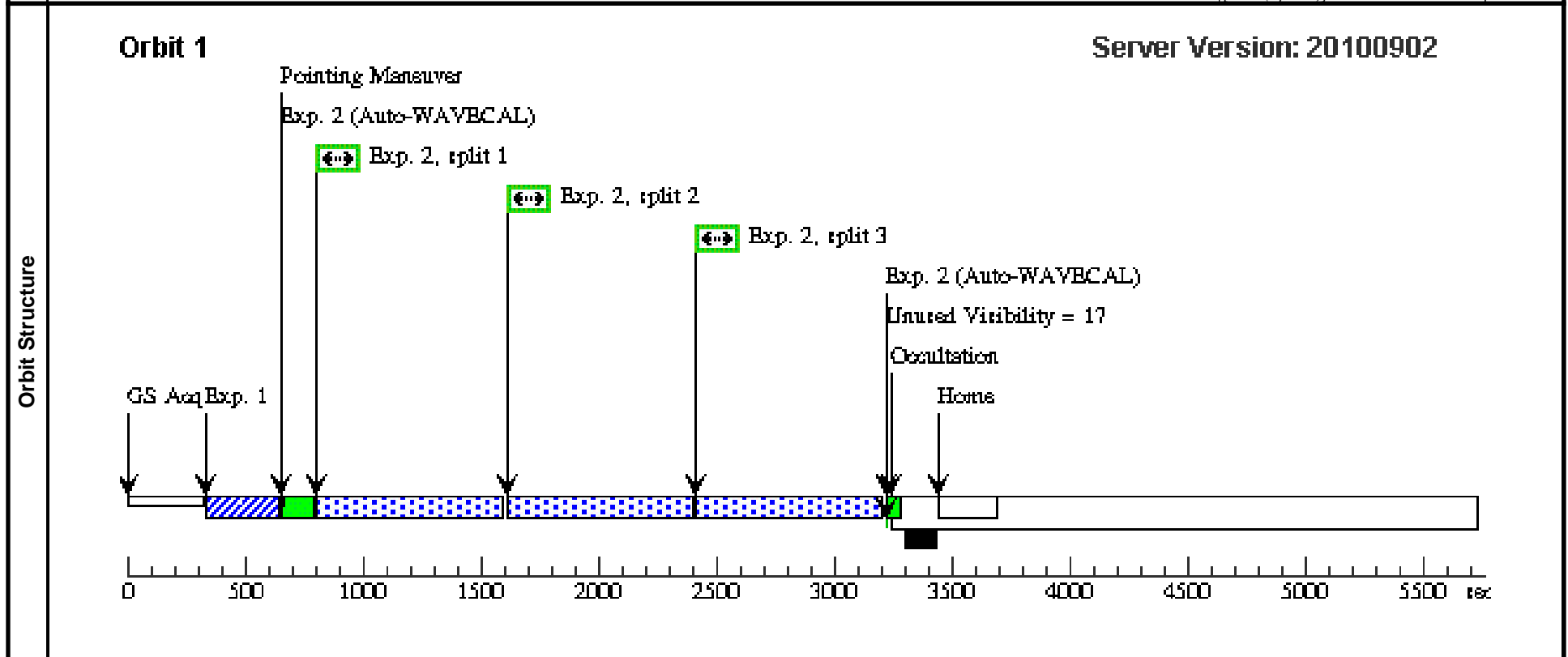
Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(36) 09DNL	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			10.0 Secs [==>]	[1]
	2	UVSpectrum	(36) 09DNL	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A	CR-SPLIT=3			2352 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 02, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 04-SEP-2009:23:59:59				
<i>Comments: UV spectrum of 09DLC</i>					

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(38)	09DLC	RA: 21 46 30.1030 (326.6254292d) Dec: +06 25 9.23 (6.41923d) Equinox: J2000	Proper Motion RA: 0sec of time/yr Proper Motion Dec: null Epoch of Position: Redshift: 0.07	V=18.4+/-0.5	Reference Frame: ICRS

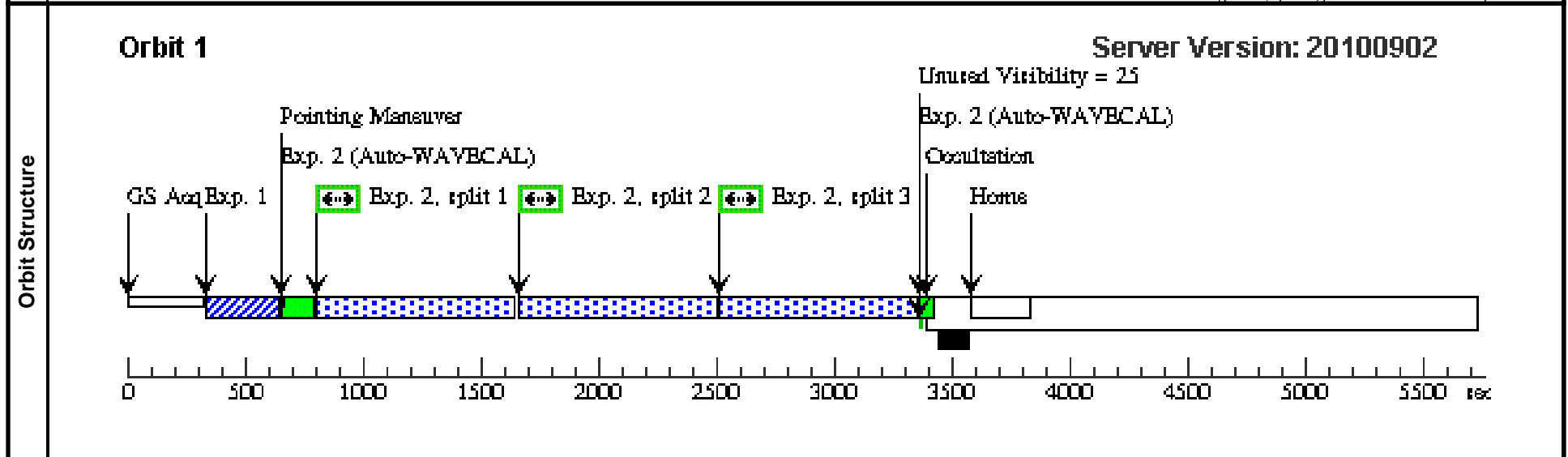
<b>Exposures</b>	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(38) 09DLC	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			20 Secs [==>]	[1]
	2	UVSpectrum	(38) 09DLC	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A	CR-SPLIT=3			2280.0 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 03, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 04-SEP-2009:23:59:59				
<i>Comments: UV spectrum of 09DNP</i>					

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(37)	09DNP	RA: 15 19 24.4320 (229.8518000d) Dec: +49 29 56.41 (49.49900d) Equinox: J2000	Proper Motion RA: 0sec of time/yr Proper Motion Dec: null Epoch of Position: Redshift: 0.037	V=17.0+/-0.5	Reference Frame: ICRS

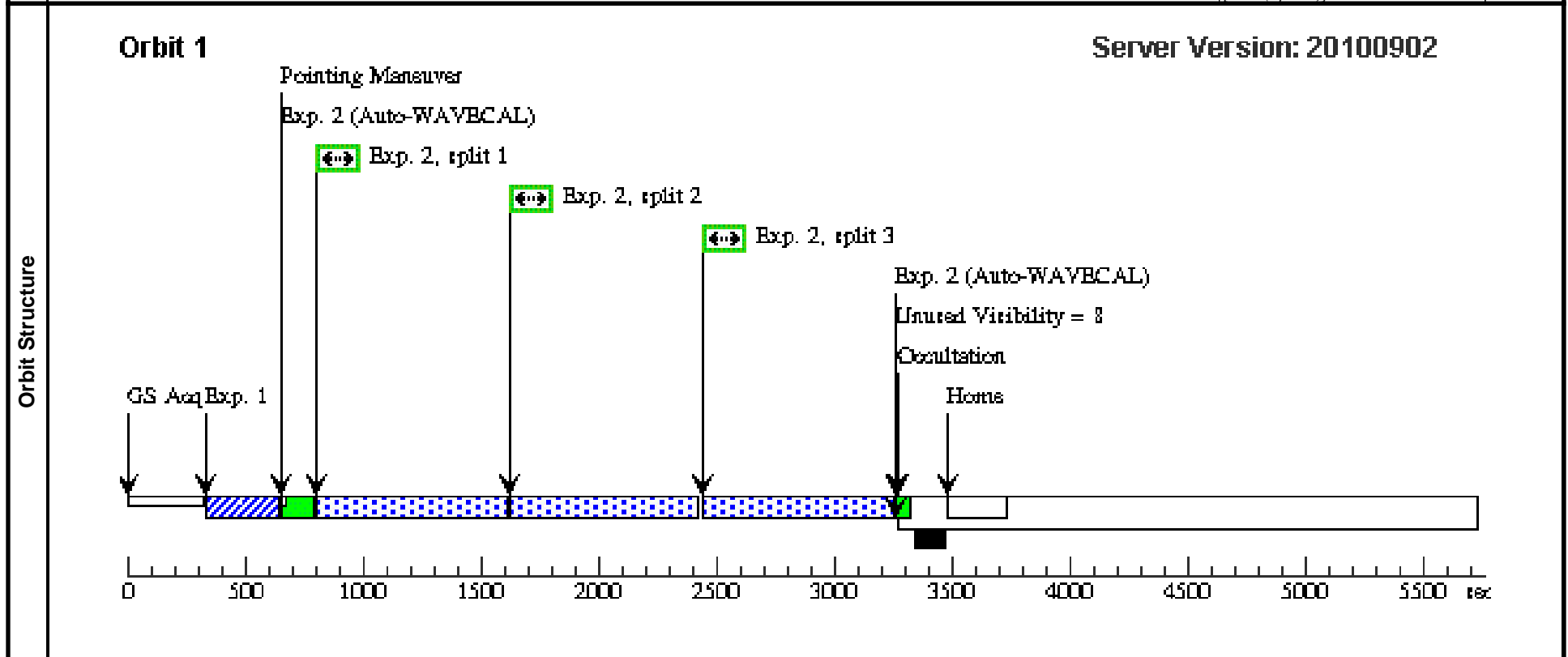
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(37) 09DNP	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			20 Secs [==>]	[1]
	2	UVSpectrum	(37) 09DNP	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A	CR-SPLIT=3			2421 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 04, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 02-NOV-2009:23:59:59				
<i>Comments: UV spectrum of 09FOX</i>					

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	09FOX	RA: 23 20 48.0090 (350.2000375d) Dec: +32 30 8.60 (32.50239d) Equinox: J2000	Proper Motion RA: 0sec of time/yr Proper Motion Dec: null Epoch of Position: Redshift: 0.072	V=18.0+/-0.5	Reference Frame: ICRS

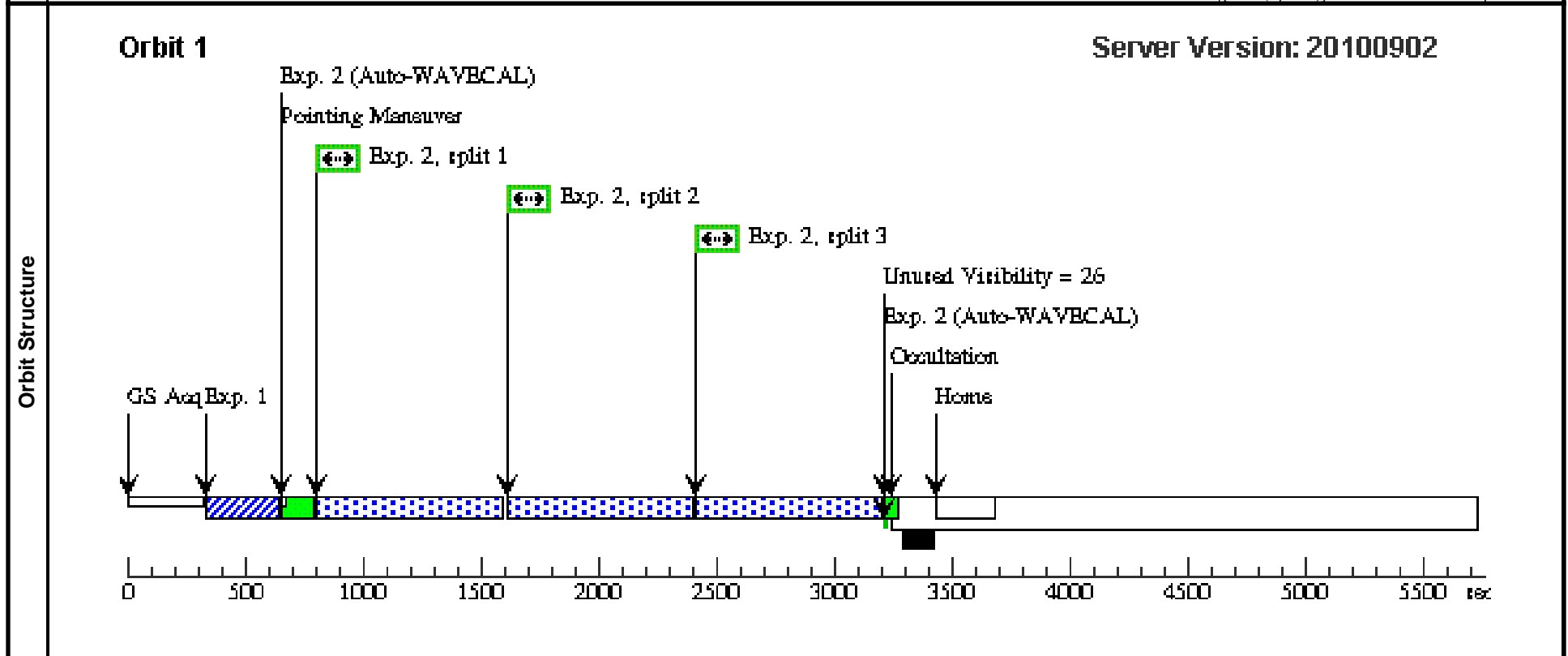
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(4) 09FOX	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			20 Secs [==>]	[1]
	2	UVSpectrum	(4) 09FOX	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2322 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 05, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 02-NOV-2009:23:59:59				
<i>Comments: UV spectrum of 09FOZ</i>					

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	09FOZ	RA: 00 42 11.7190 (10.5488292d) Dec: -09 52 52.47 (-9.88124d) Equinox: J2000	Proper Motion RA: 0sec of time/yr Proper Motion Dec: null Epoch of Position: Redshift: 0.054	V=18.0+/-0.5	Reference Frame: ICRS

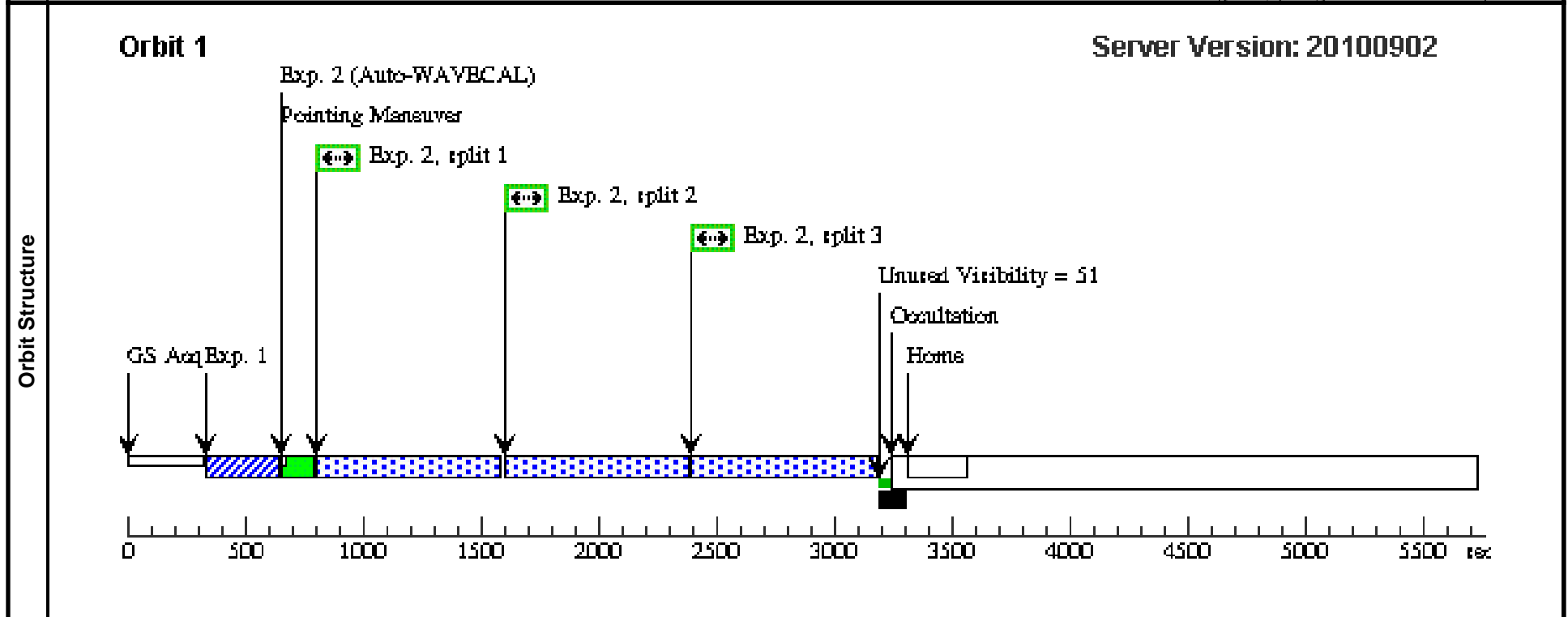
Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(5) 09FOZ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			20.0 Secs [==>]	[1]
	2	UVSpectrum	(5) 09FOZ	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2271 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	<b>Proposal 11721, Visit 06, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: STIS/CCD Special Requirements: PCS MODE FINE; BEFORE 01-DEC-2009:23:59:59; ON HOLD Comments: UV spectrum of lowzsn-6 On Hold Comments: Target of opportunity				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	SN2009LE	RA: 02 09 17.1670 (32.3215292d) Dec: -23 24 44.47 (-23.41235d) Equinox: J2000	Proper Motion RA: 0sec of time/yr Proper Motion Dec: null Epoch of Position: Redshift: 0.054	V=18.0+/-0.5	Reference Frame: ICRS

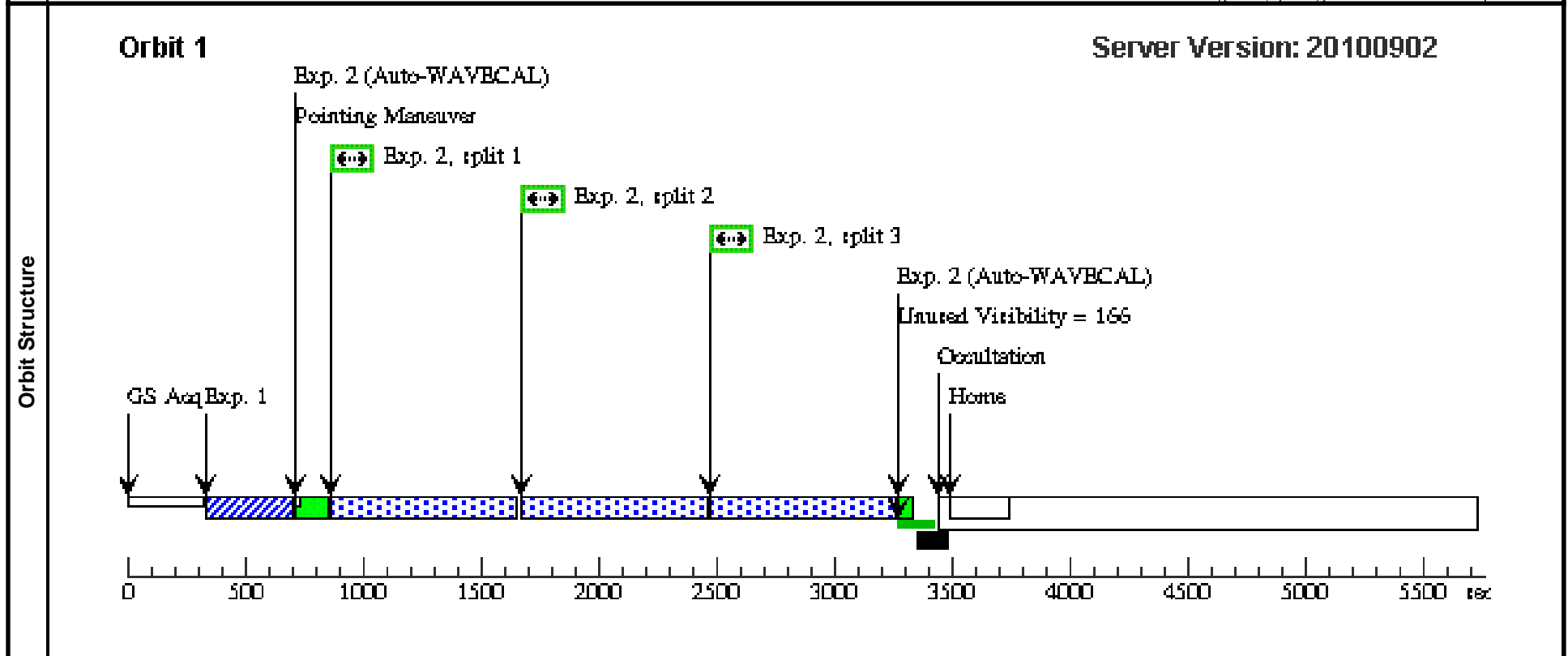
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(6) SN2009LE	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			20.0 Secs [==>]	[1]
	2	UVSpectrum	(6) SN2009LE	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2250.0 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 07, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 09-MAR-2010:00:00:00				
<i>Comments: UV spectrum of 10BJS</i>					

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	10BJS	RA: 13 01 11.2460 (195.2968583d) Dec: +53 48 57.50 (53.81597d) Equinox: J2000	Proper Motion RA: 0sec of time/yr Proper Motion Dec: null Epoch of Position: Redshift: 0.029	V=18.0+/-0.5	Reference Frame: ICRS

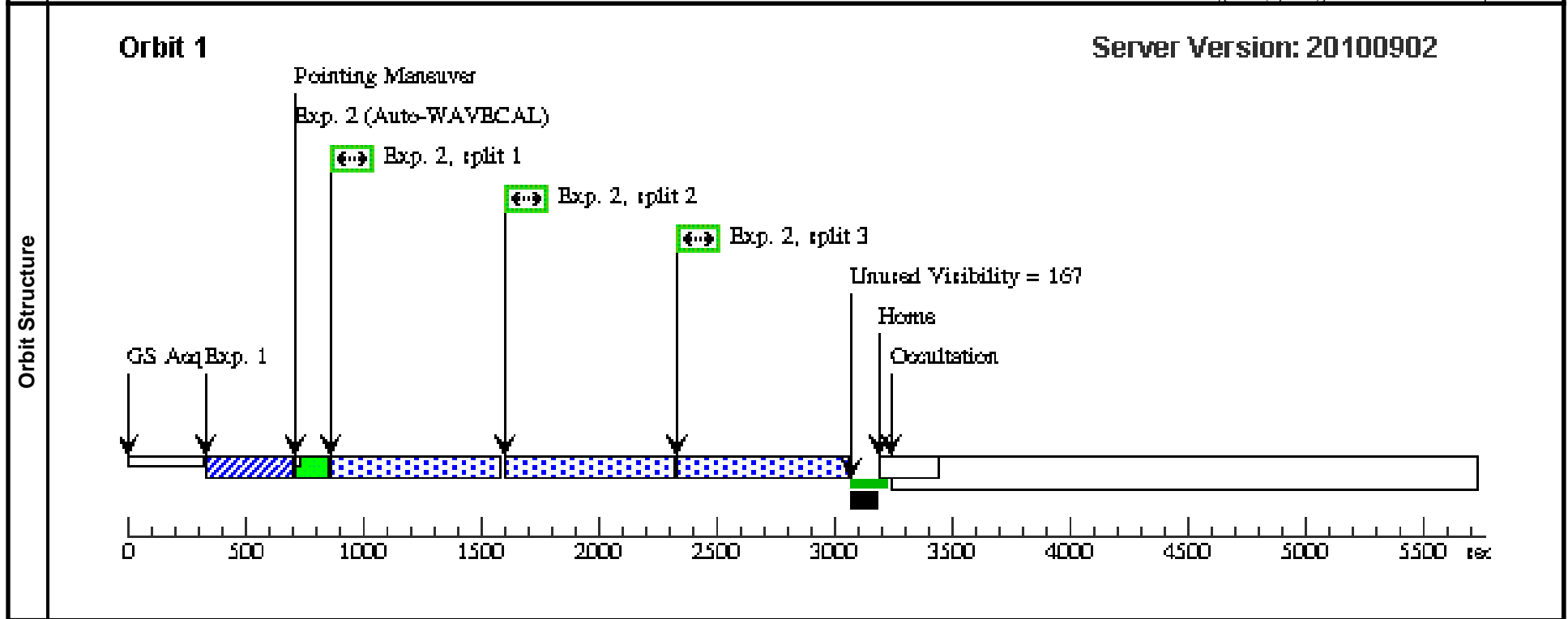
Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(7) 10BJS	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35.0 Secs [==>]	[1]
	2	UVSpectrum	(7) 10BJS	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2274 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 08, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 04-MAY-2010:00:00:00				
<i>Comments: UV spectrum of 10FPS</i>					

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	10FPS	RA: 13 29 25.1100 (202.3546250d) Dec: +11 47 46.43 (11.79623d) Equinox: J2000	Proper Motion RA: 0sec of time/yr Proper Motion Dec: null Epoch of Position: Redshift: 0.022	V=18.0+/-0.5	Reference Frame: ICRS

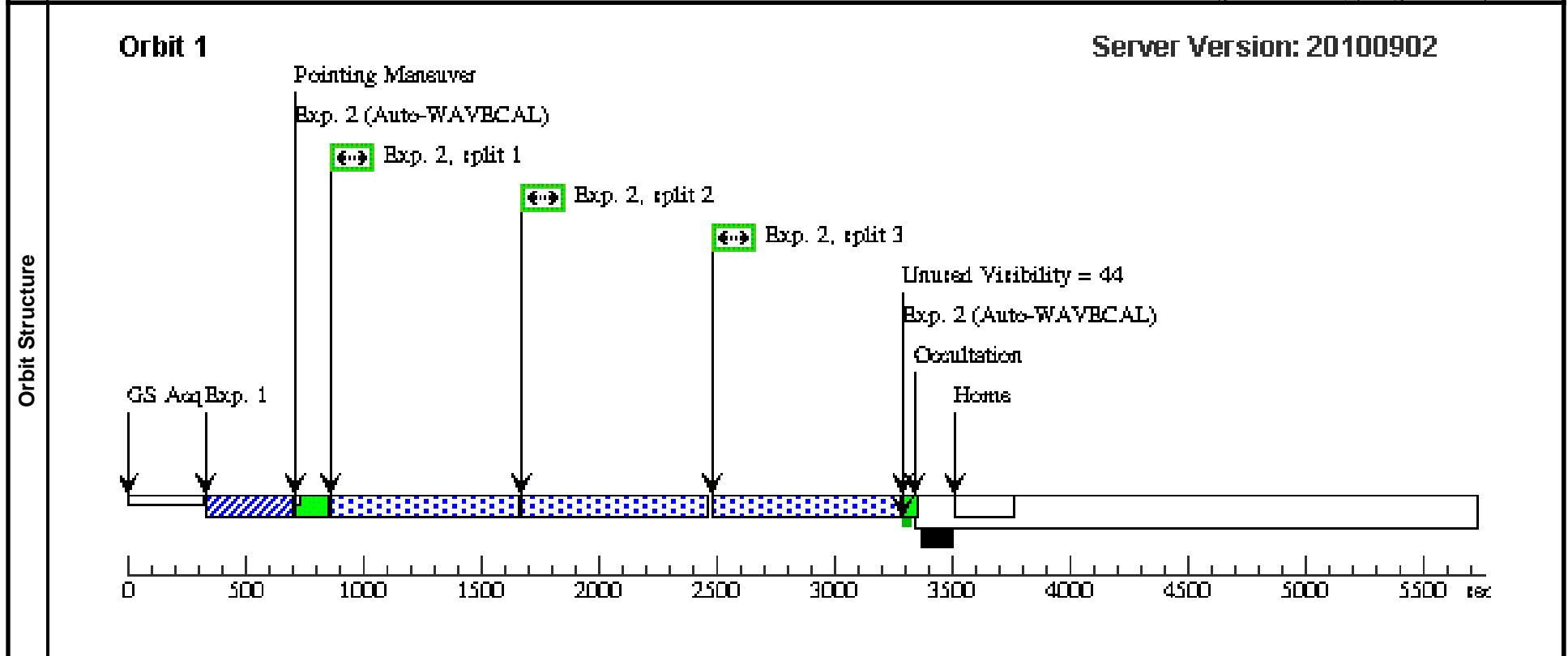
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(8) 10FPS	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35.0 Secs [==>]	[1]
	2	UVSpectrum	(8) 10FPS	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2070 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 09, completed Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: PCS MODE FINE; BEFORE 02-JUN-2010:00:00:00; ON HOLD Comments: UV spectrum of 10HDV On Hold Comments: Target of opportunity				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(39)	10HDV	RA: 12 07 45.3700 (181.9390417d) Dec: +41 29 27.90 (41.49108d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position:	V=18.5+/-0.5	Reference Frame: ICRS

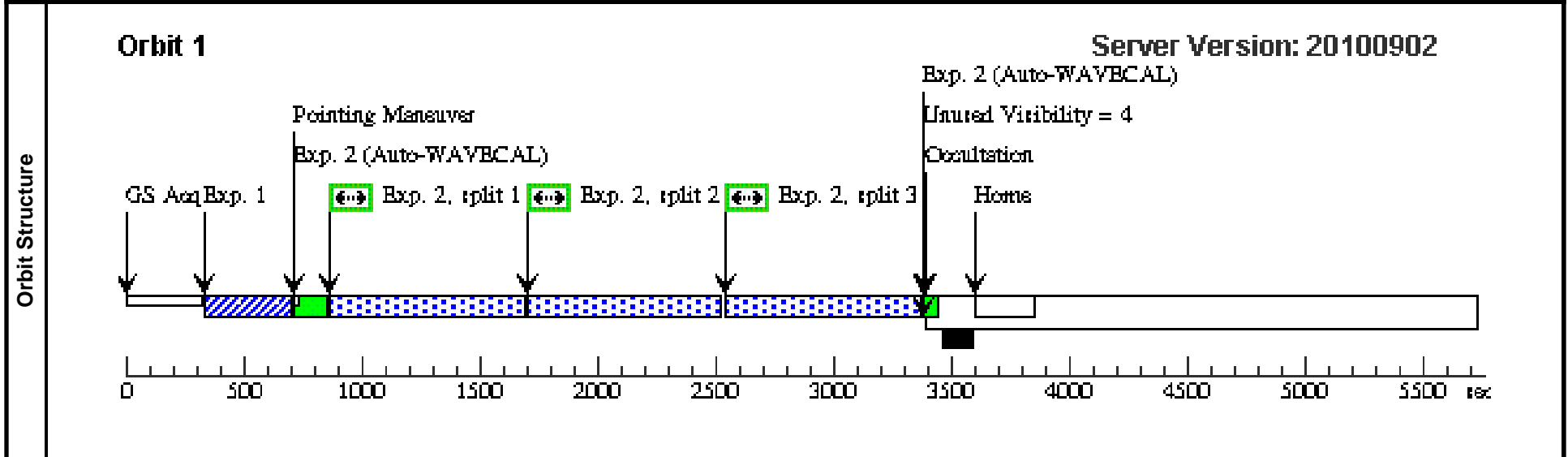
<b>Exposures</b>	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(39) 10HDV	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35.0 Secs [==>]	[1]
	2	UVSpectrum	(39) 10HDV	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2100.0 Secs [==>764.0 Secs (Split 1)] [==>764.0 Secs (Split 2)] [==>764.0 Secs (Split 3)]	[1]



<b>Visit</b>	<b>Proposal 11721, Visit 10, completed</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 09-JUN-2010:00:00:00; ON HOLD				
	Comments: UV spectrum of 10hmv On Hold Comments: Target of opportunity				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(40)	10HMV	RA: 12 11 33.2710 (182.8886292d) Dec: +47 16 29.64 (47.27490d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.032	V=17.0+/-0.5	Reference Frame: ICRS

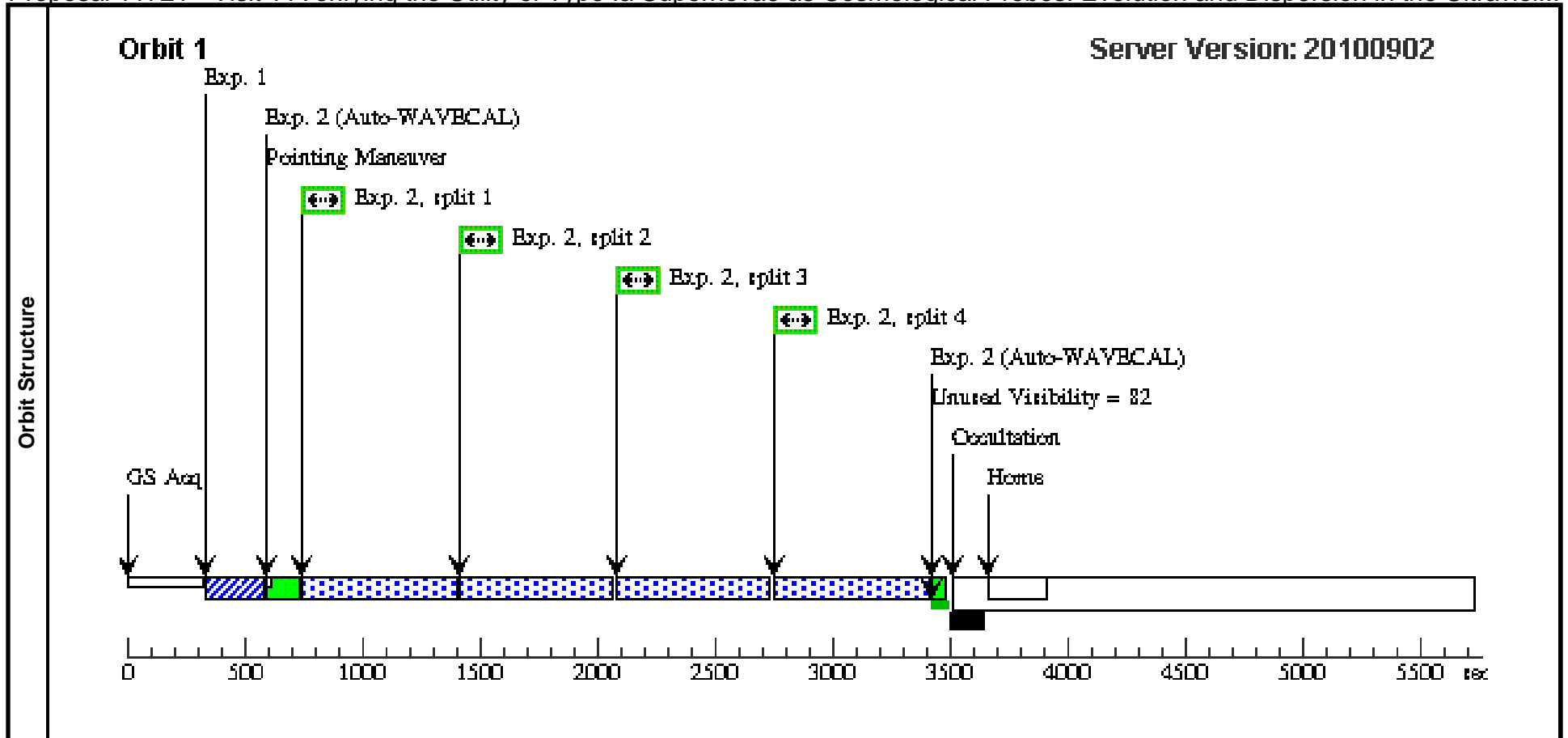
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(40) 10HMV	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35.0 Secs [==>]	[1]
	2	UVSpectrum	(40) 10HMV	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2100.0 Secs [==>794.0 Secs (Split 1)] [==>794.0 Secs (Split 2)] [==>794.0 Secs (Split 3)]	[1]



Proposal 11721 - Visit 11 Verifying the Utility of Type Ia Supernovae as Cosmological Probes: Evolution and Dispersion in the Ultraviolet...

Fri Dec 17 02:09:40 GMT 2010

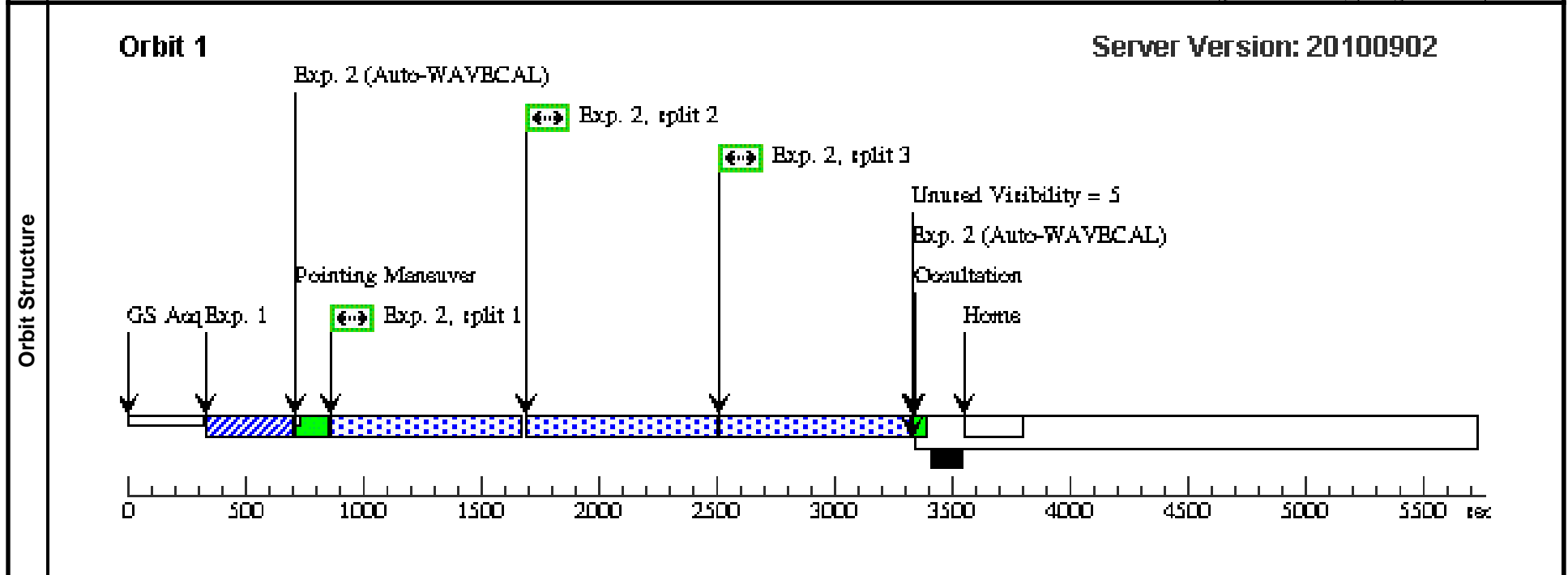
Visit	<b>Proposal 11721, Visit 11, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: STIS/CCD Special Requirements: PCS MODE FINE; BEFORE 16-JUN-2010:23:59:59 Comments: UV spectrum of 10ICB									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(41)	10ICB	RA: 12 54 49.2190 (193.7050792d) Dec: +58 52 54.75 (58.88188d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.0086	V=14.0+/-0.5	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(41) 10ICB	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			5 Secs [==>]	[1]
2	UVSpectrum	(41) 10ICB	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=4			2500 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	



<b>Visit</b>	<b>Proposal 11721, Visit 12, completed</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 13-JUL-2010:23:59:59; ON HOLD				
	Comments: UV spectrum 10MWB On Hold Comments: Target of opportunity				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(42)	10MWB	RA: 17 17 49.9870 (259.4582792d) Dec: +40 52 52.37 (40.88121d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.03	V=16.5+/-0.5	Reference Frame: ICRS

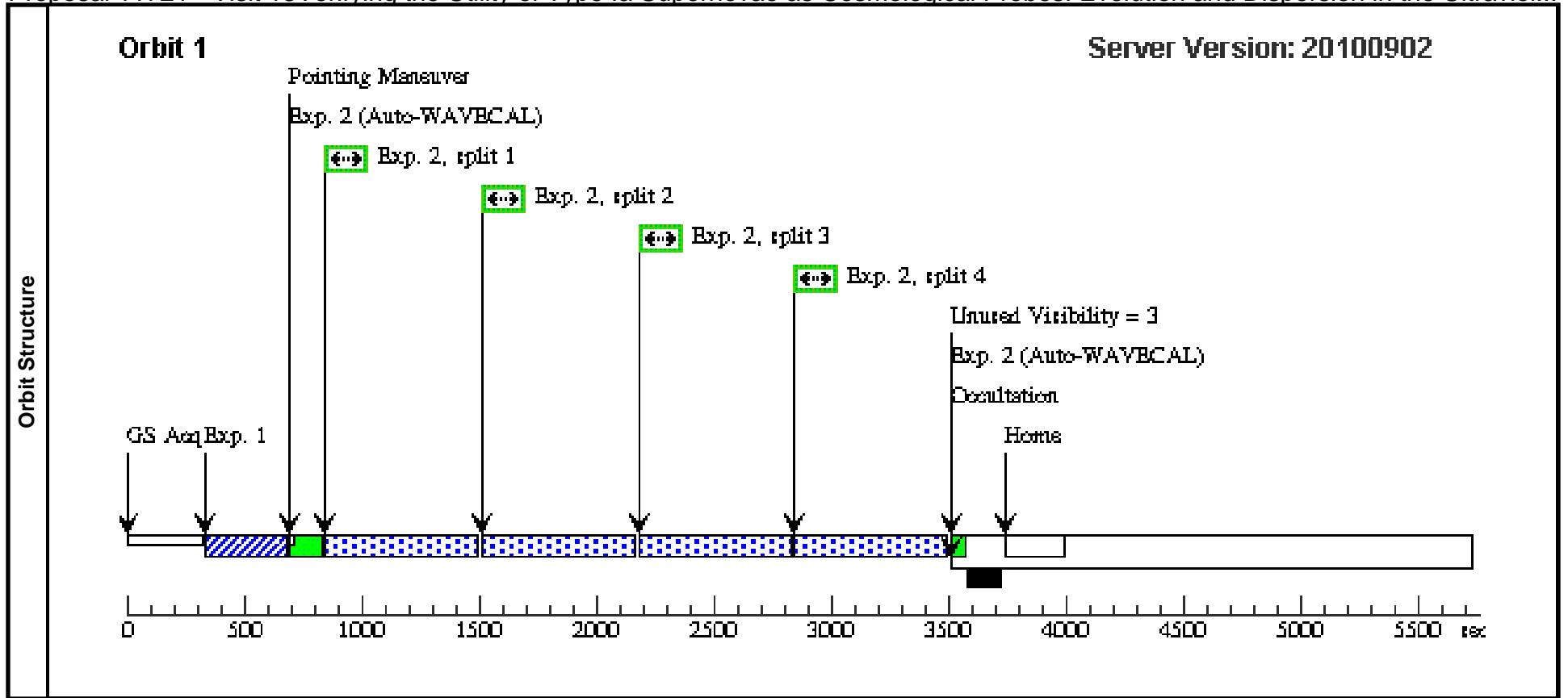
<b>Exposures</b>	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(42) 10MWB	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35.0 Secs [==>]	[1]
	2	UVSpectrum	(42) 10MWB	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2100.0 Secs [==>777.0 Secs (Split 1)] [==>777.0 Secs (Split 2)] [==>777.0 Secs (Split 3)]	[1]



Proposal 11721 - Visit 13 Verifying the Utility of Type Ia Supernovae as Cosmological Probes: Evolution and Dispersion in the Ultraviol...

Fri Dec 17 02:09:41 GMT 2010

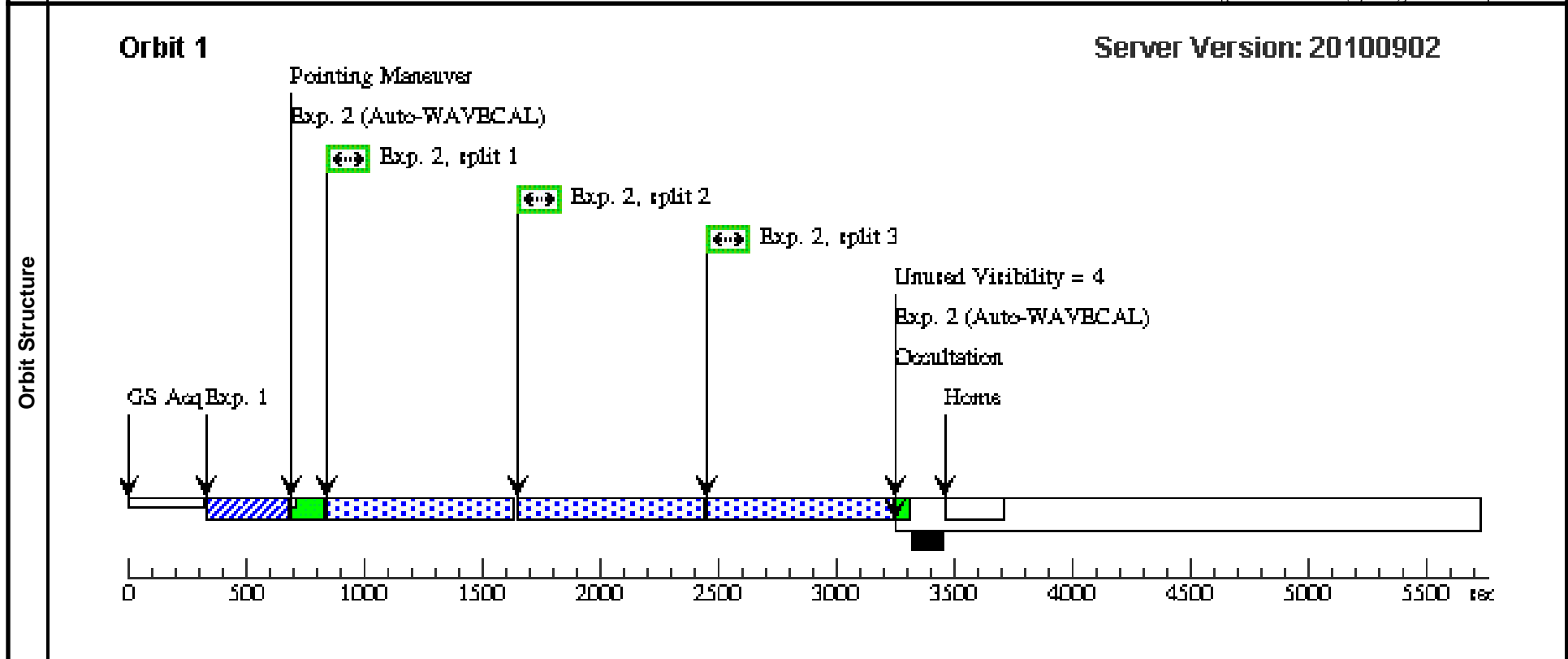
Visit	<b>Proposal 11721, Visit 13, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: STIS/CCD Special Requirements: PCS MODE FINE; BEFORE 20-JUL-2010:23:59:59 Comments: UV spectrum of 10NLG									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(13)	10NLG	RA: 16 50 34.4890 (252.6437042d) Dec: +60 16 34.82 (60.27634d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position:	V=18.0+/-0.5	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(13) 10NLG	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT				30.0 Secs [==>]
2	UVSpectrum	(13) 10NLG	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=4				2460 Secs [==>621.0 Secs (Split 1)] [==>621.0 Secs (Split 2)] [==>621.0 Secs (Split 3)] [==>621.0 Secs (Split 4)]	[1]



<b>Visit</b>	Proposal 11721, Visit 14, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 20-JUL-2010:23:59:59				
<i>Comments: UV spectrum of 10NDC</i>					

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(14)	10NDC	RA: 17 19 50.2170 (259.9592375d) Dec: +28 41 57.46 (28.69929d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position:	V=17.0+/-0.5	Reference Frame: ICRS

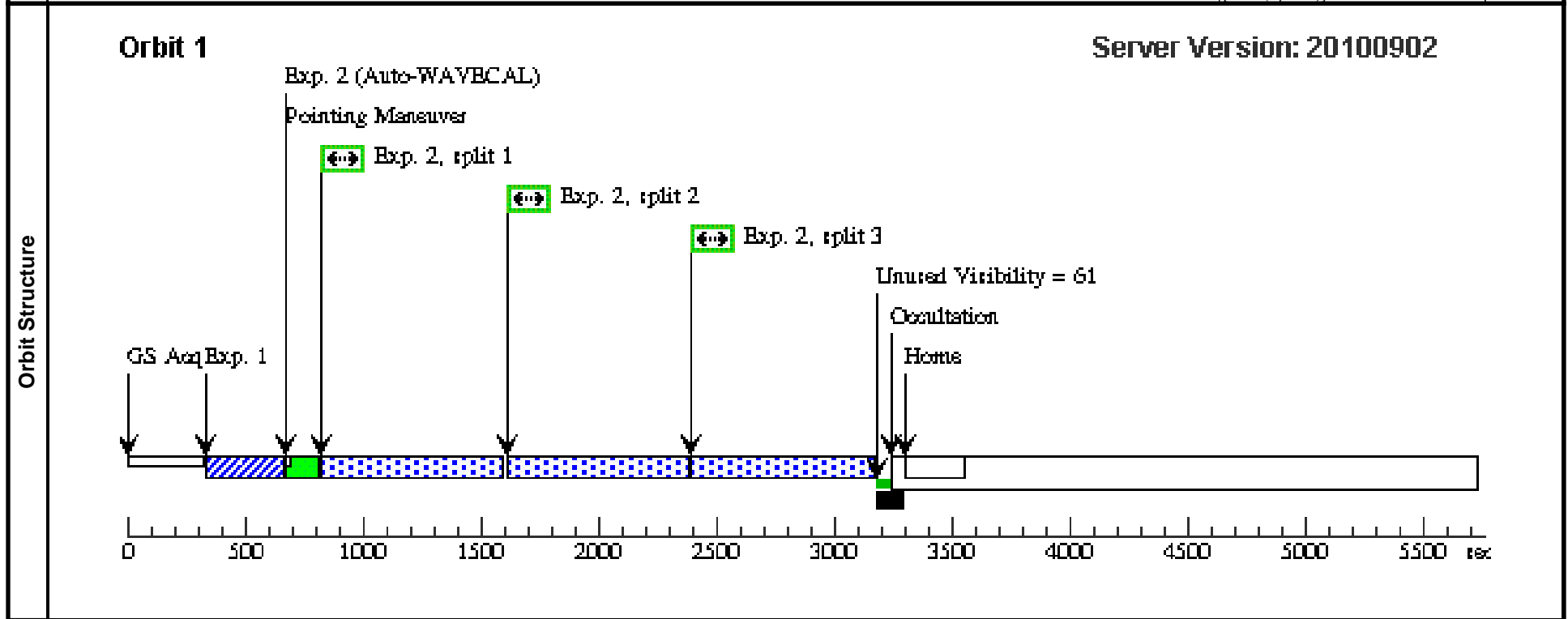
Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Target Acquisition	(14) 10NDC	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			30.0 Secs [==>]	[1]
	2	UVSpectrum	(14) 10NDC	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2250 Secs [==>756.0 Secs (Split 1)] [==>756.0 Secs (Split 2)] [==>756.0 Secs (Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 15, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 26-JUL-2010:23:59:59				
<i>Comments: UV spectrum of 100SN</i>					

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(15)	100SN	RA: 23 23 8.0460 (350.7835250d) Dec: +17 30 29.47 (17.50819d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.04	V=16.5+/-0.5	Reference Frame: ICRS

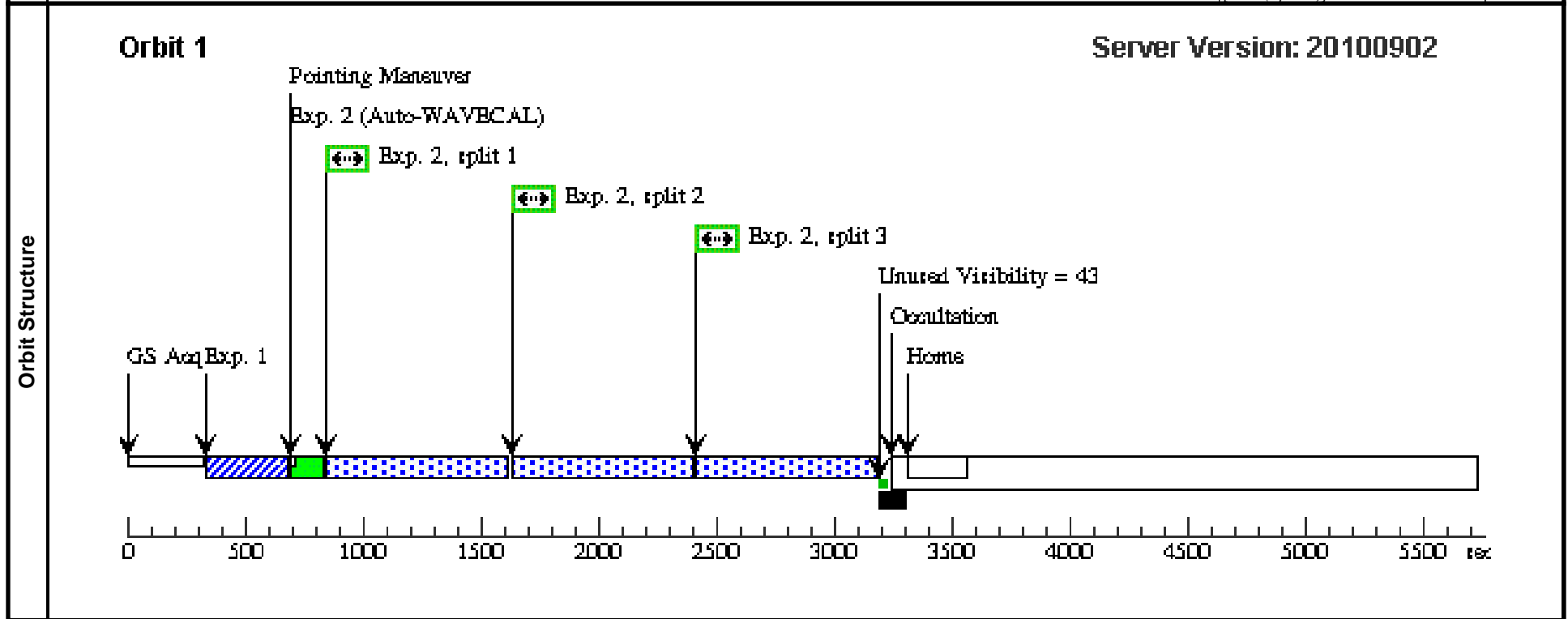
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(15) 100SN	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			25.0 Secs [==>]	[1]
	2	UVSpectrum	(15) 100SN	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2220 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 16, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 26-JUL-2010:23:59:59				
<i>Comments: UV spectrum of 10OPS</i>					

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(16)	10OPS	RA: 21 47 33.4660 (326.8894417d) Dec: +05 51 30.30 (5.85842d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.06	V=17.5+/-1.0	Reference Frame: ICRS

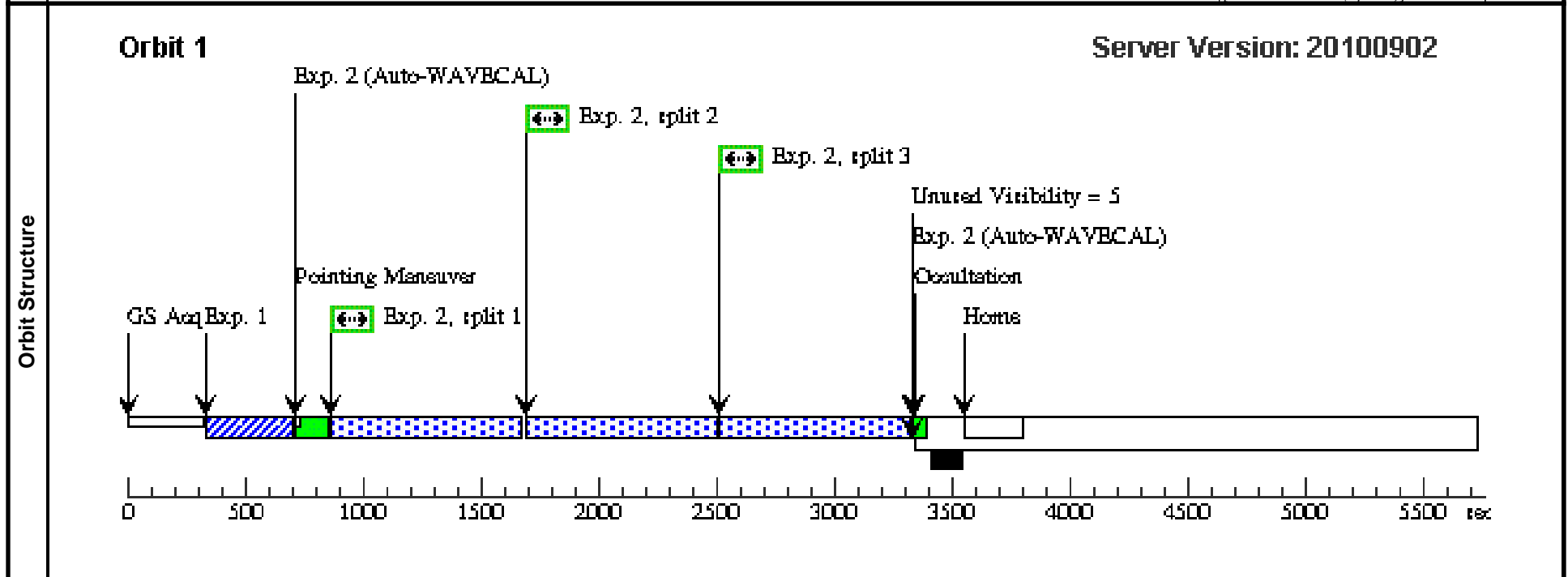
<b>Exposures</b>	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(16) 10OPS	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			30 Secs [==>]	[1]
	2	UVSpectrum	(16) 10OPS	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2211 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 17, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 02-AUG-2010:23:59:59				
<i>Comments: UV spectrum of 10PDF</i>					

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(17)	10PDF	RA: 13 24 30.9730 (201.1290542d) Dec: +42 05 20.50 (42.08903d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.076	V=17.5+/-1.0	Reference Frame: ICRS

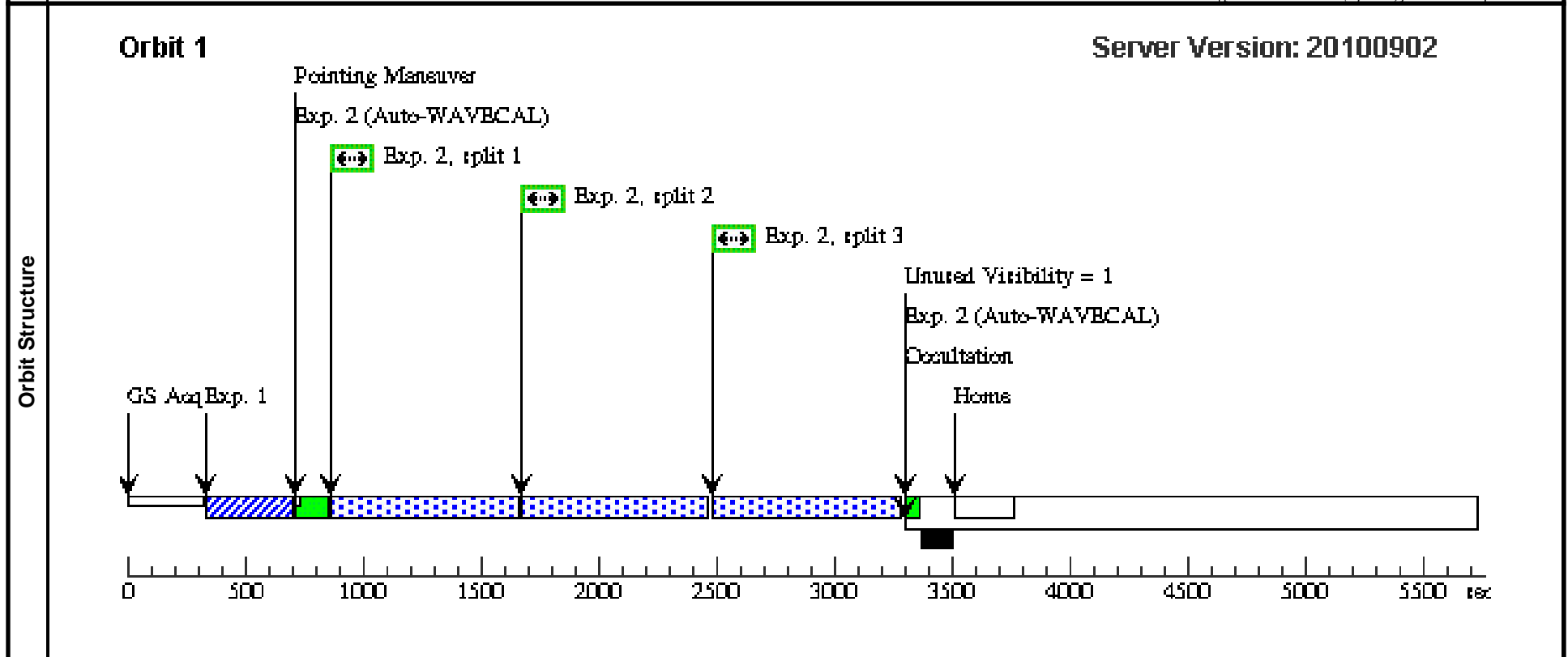
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(17) 10PDF	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35 Secs [==>]	[1]
	2	UVSpectrum	(17) 10PDF	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2211 Secs [==>777.0 Secs (Split 1)] [==>777.0 Secs (Split 2)] [==>777.0 Secs (Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 18, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 16-AUG-2010:23:59:59				
<i>Comments: UV spectrum of 10QJQ</i>					

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(18)	10QJQ	RA: 17 07 12.4090 (256.8017042d) Dec: +35 30 35.38 (35.50983d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.0289	V=16.5+/-1.0	Reference Frame: ICRS

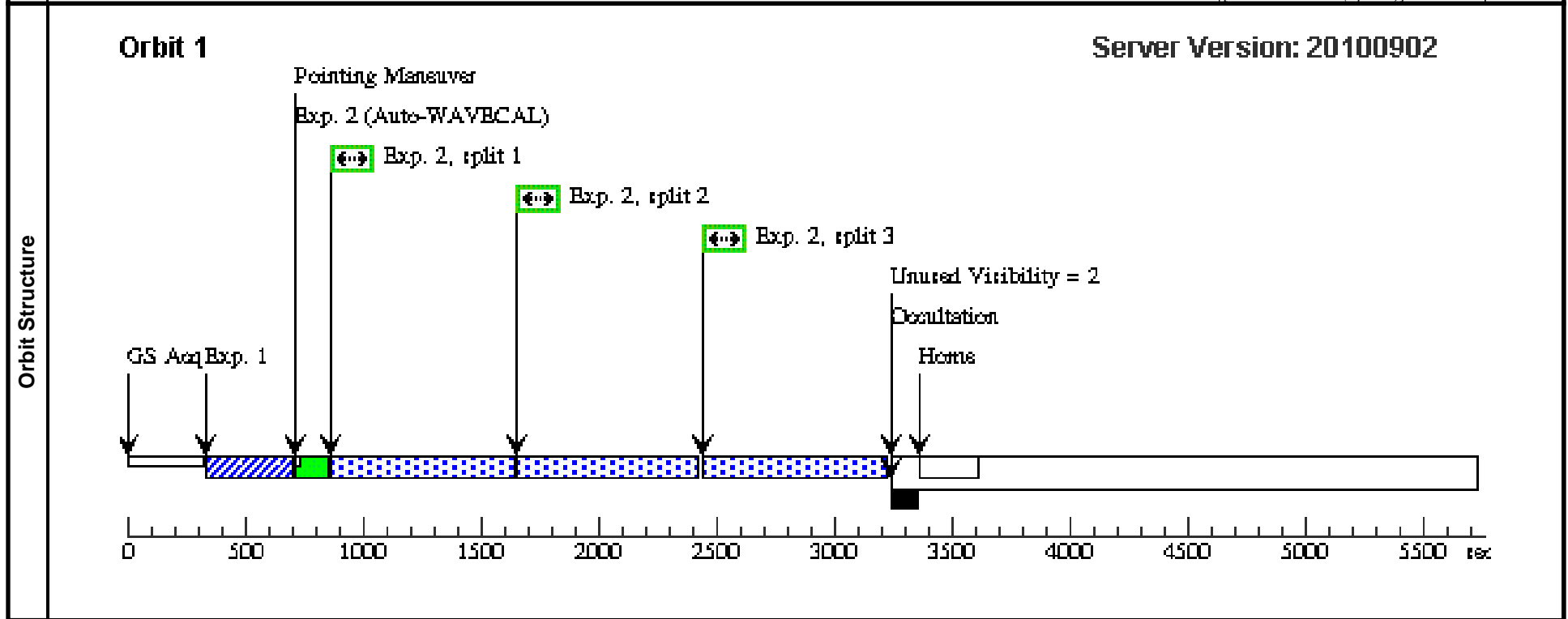
<b>Exposures</b>	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Target Acquisition	(18) 10QJQ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35 Secs [==>]	[1]
	2	UVSpectrum	(18) 10QJQ	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2211 Secs [==>765.0 Secs (Split 1)] [==>765.0 Secs (Split 2)] [==>765.0 Secs (Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 19, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 16-AUG-2010:23:59:59				
<i>Comments: UV spectrum of 10QJL</i>					

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(19)	10QJL	RA: 16 39 59.4070 (249.9975292d) Dec: +12 06 25.82 (12.10717d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.06	V=17.0+/-1.0	Reference Frame: ICRS

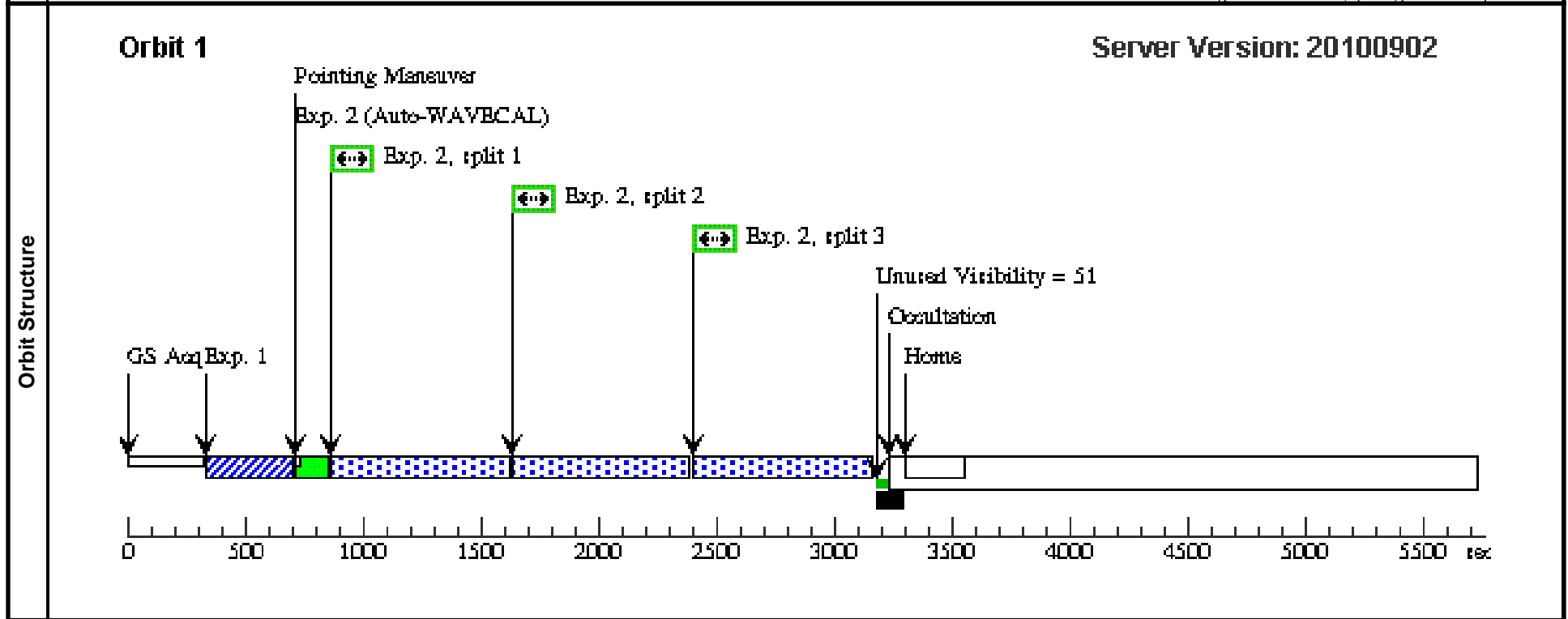
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(19) 10QJL	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35 Secs [==>]	[1]
	2	UVSpectrum	(19) 10QJL	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2211 Secs [==>745.0 Secs (Split 1)] [==>745.0 Secs (Split 2)] [==>745.0 Secs (Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 20, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 23-AUG-2010:23:59:59				
<i>Comments: UV spectrum of 10QYX</i>					

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(20)	10QYX	RA: 02 27 11.9970 (36.7999875d) Dec: -04 32 5.33 (-4.53481d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.06	V=17.0+/-1.0	Reference Frame: ICRS

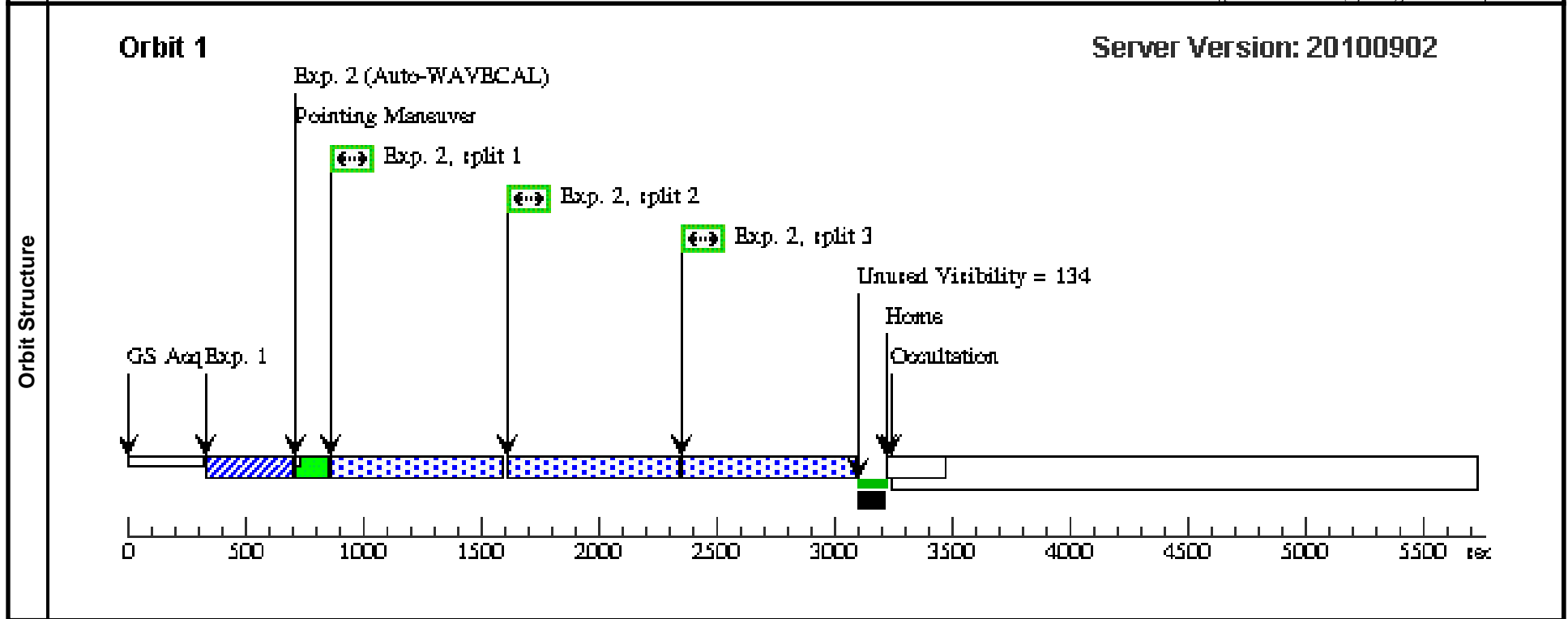
Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Target Acquisition	(20) 10QYX	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35 Secs [==>]	[1]
	2	UVSpectrum	(20) 10QYX	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2211 Secs [==>725.0 Secs (Split 1)] [==>725.0 Secs (Split 2)] [==>725.0 Secs (Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 21, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 06-SEP-2010:23:59:59				
<i>Comments: UV spectrum of 10TCE</i>					

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(21)	10TCE	RA: 23 19 10.3780 (349.7932417d) Dec: +09 11 54.18 (9.19838d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.06	V=17.0+/-1.0	Reference Frame: ICRS

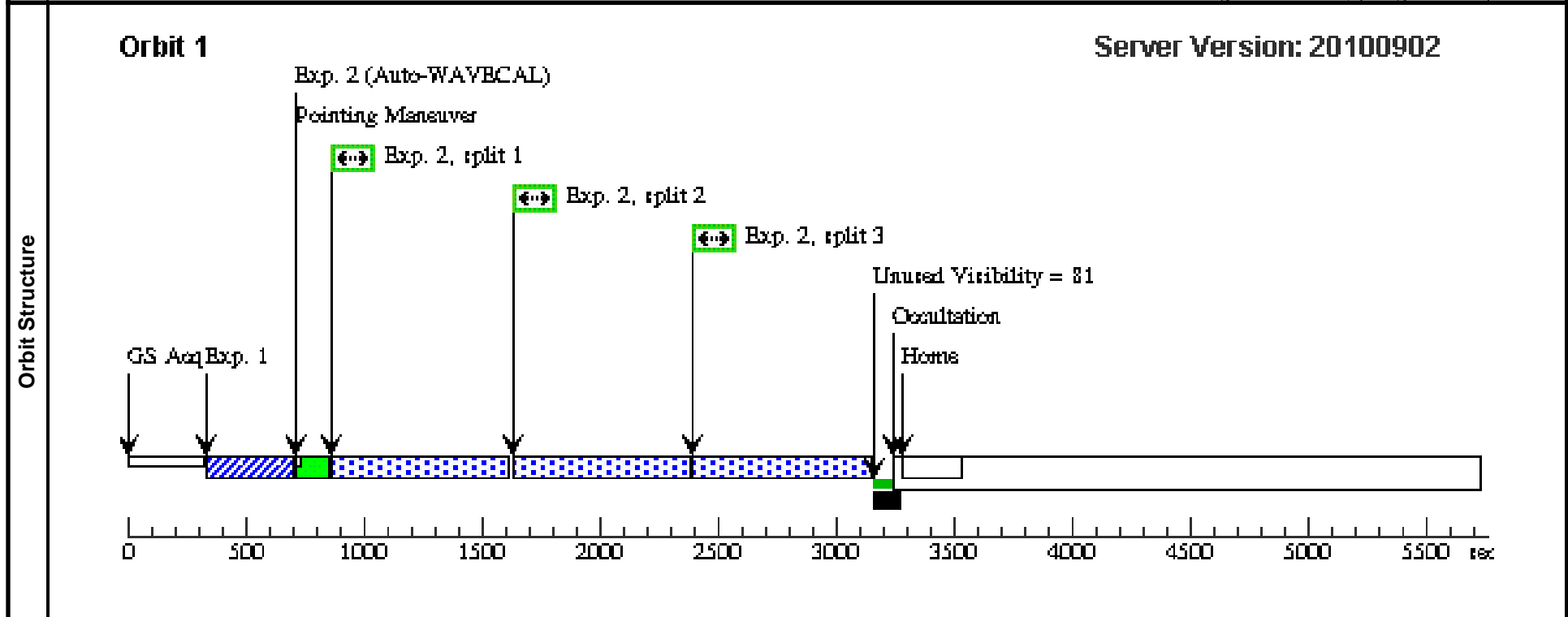
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(21) 10TCE	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35 Secs [==>]	[1]
	2	UVSpectrum	(21) 10TCE	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2211 Secs [==>700.0 Secs (Split 1)] [==>700.0 Secs (Split 2)] [==>700.0 Secs (Split 3)]	[1]



<b>Visit</b>	<b>Proposal 11721, Visit 22, completed</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 21-SEP-2010:23:59:59; ON HOLD				
	Comments: UV spectrum of 10ufj On Hold Comments: Target of opportunity				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(22)	10UFJ	RA: 02 25 39.2130 (36.4133875d) Dec: +24 45 53.19 (24.76478d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.07	V=18.5+/-0.5	Reference Frame: ICRS

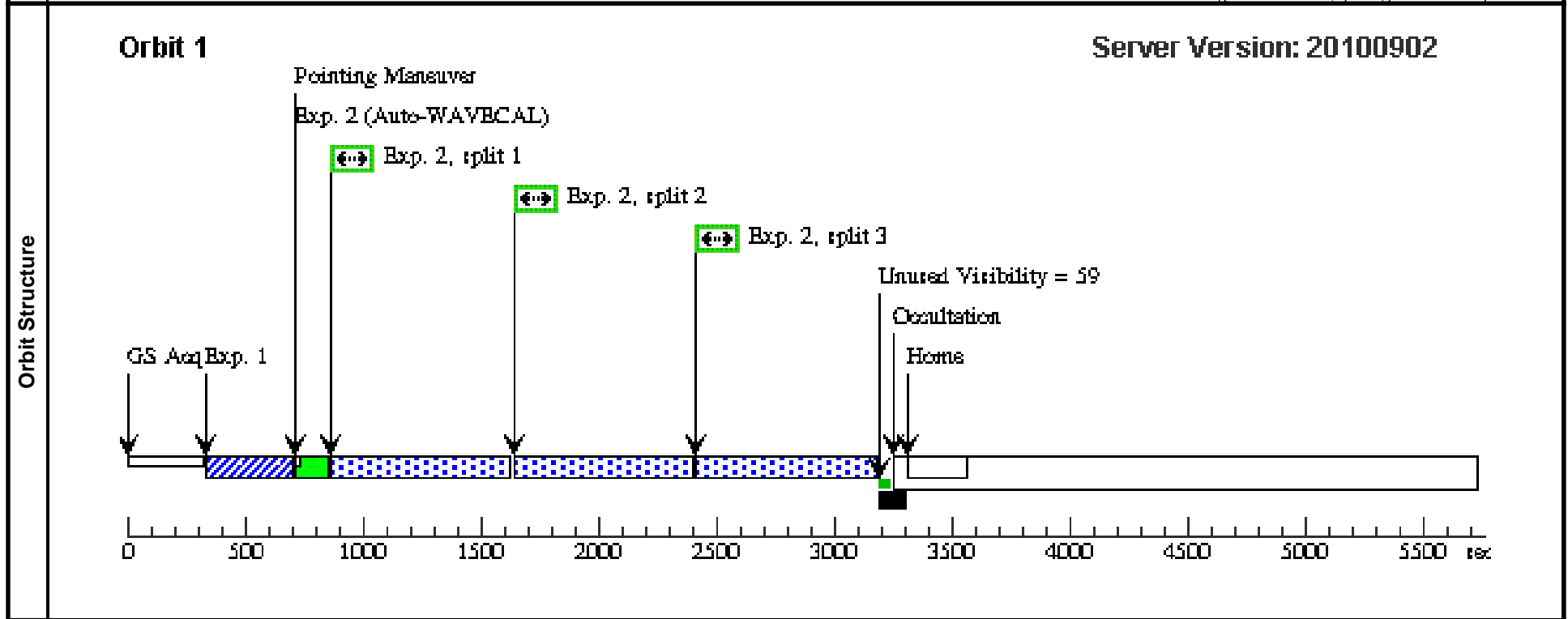
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(22) 10UFJ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35.0 Secs [==>]	[1]
	2	UVSpectrum	(22) 10UFJ	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2100.0 Secs [==>720.0 Secs (Split 1)] [==>720.0 Secs (Split 2)] [==>720.0 Secs (Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 23, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 12-OCT-2010:23:59:59				
<i>Comments: UV spectrum of 10wnm</i>					

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(23)	10WNM	RA: 00 22 3.6100 (5.5150417d) Dec: +27 02 26.35 (27.04065d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.07	V=18.5+/-0.5	Reference Frame: ICRS

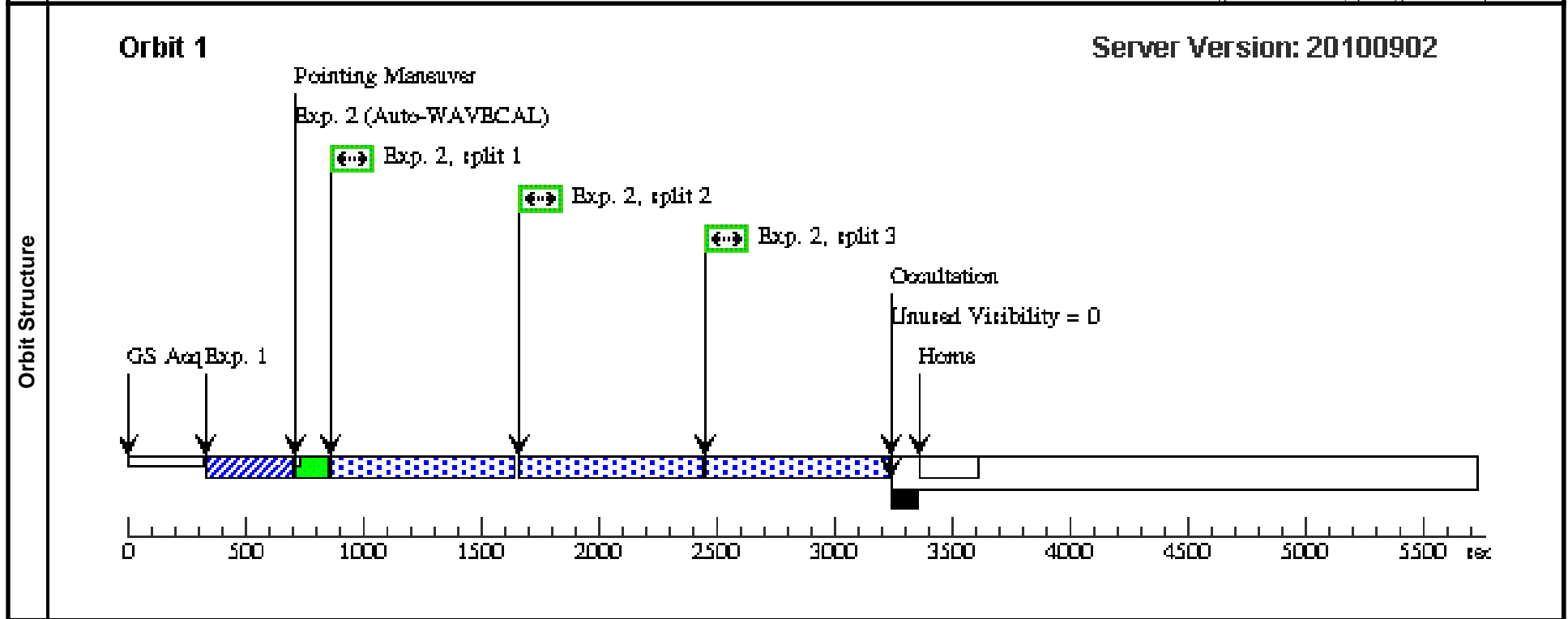
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(23) 10WNM	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35.0 Secs [==>]	[1]
	2	UVSpectrum	(23) 10WNM	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2100.0 Secs [==>730 Secs (Split 1)] [==>730 Secs (Split 2)] [==>730 Secs (Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 24, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 12-OCT-2010:23:59:59				
<i>Comments: UV spectrum of 10wof</i>					

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(24)	10WOF	RA: 23 32 41.8680 (353.1744500d) Dec: +15 21 31.81 (15.35884d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.05	V=18.5+/-0.5	Reference Frame: ICRS

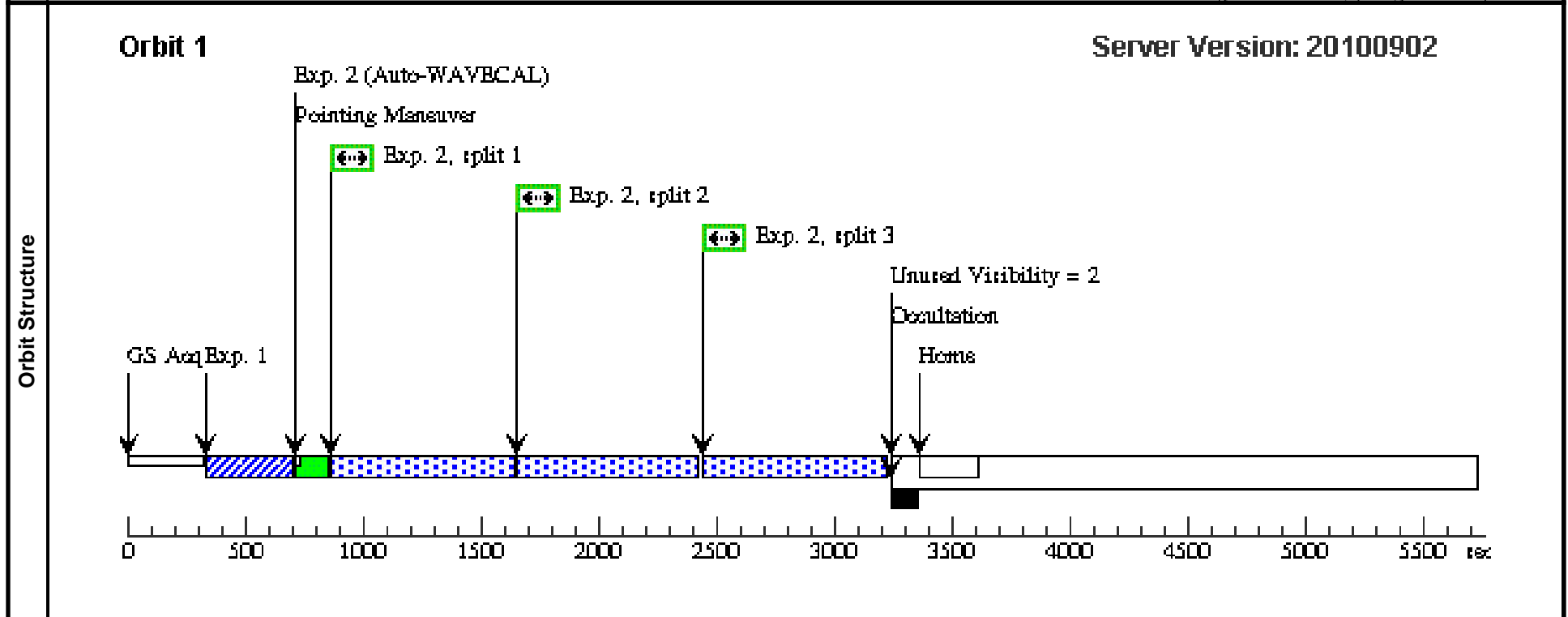
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(24) 10WOF	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35.0 Secs [==>]	[1]
	2	UVSpectrum	(24) 10WOF	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2100.0 Secs [==>747.0 Secs (Split 1)] [==>747.0 Secs (Split 2)] [==>747.0 Secs (Split 3)]	[1]



<b>Visit</b>	<b>Proposal 11721, Visit 25, completed</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 26-OCT-2010:23:59:59; ON HOLD				
	Comments: UV spectrum of lowzsn-25 On Hold Comments: Target of opportunity				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(25)	10XYT	RA: 23 19 2.4380 (349.7601583d) Dec: +13 47 26.35 (13.79065d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.049	V=17.5+/-0.5	Reference Frame: ICRS

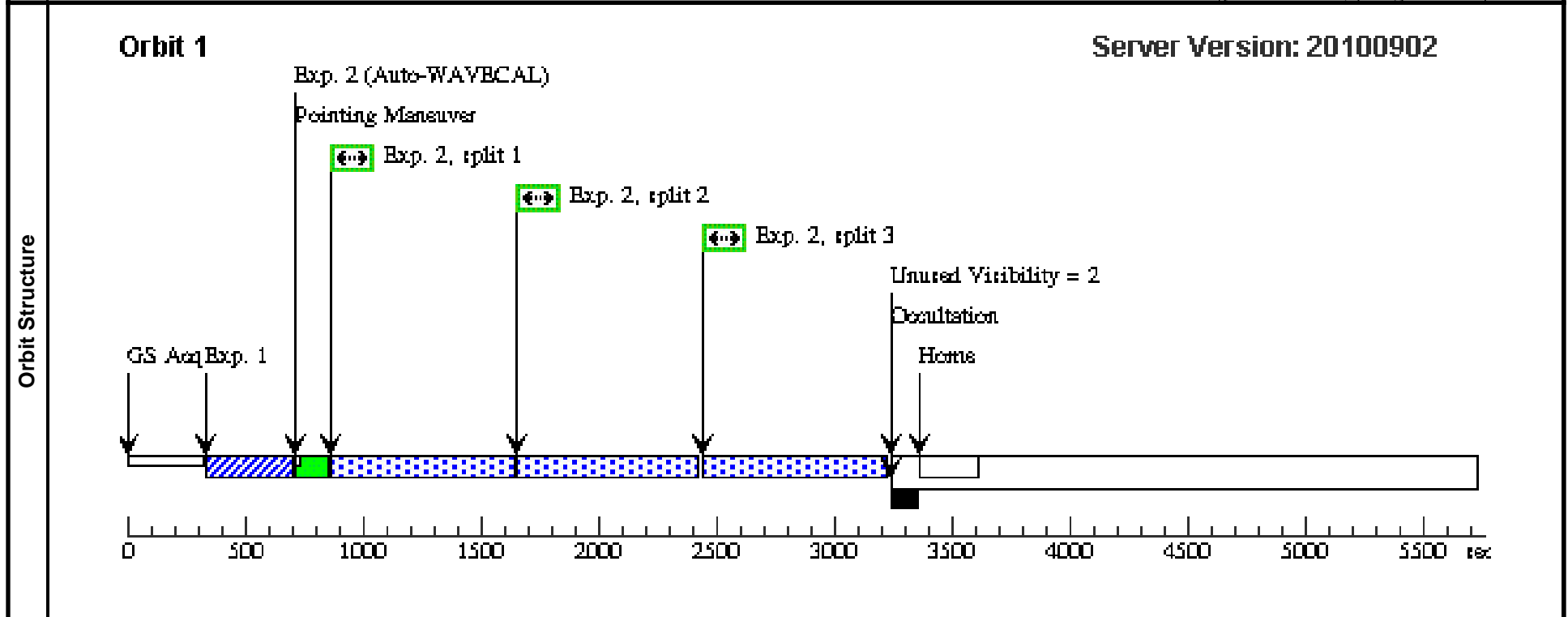
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(25) 10XYT	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35.0 Secs [==>]	[1]
	2	UVSpectrum	(25) 10XYT	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2100.0 Secs [==>745.0 Secs (Split 1)] [==>745.0 Secs (Split 2)] [==>745.0 Secs (Split 3)]	[1]



<b>Visit</b>	<b>Proposal 11721, Visit 26, completed</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 01-NOV-2010:23:59:59; ON HOLD				
	Comments: UV spectrum of 10yux On Hold Comments: Target of opportunity				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(26)	10YUX	RA: 23 24 13.3760 (351.0557333d) Dec: +07 13 43.01 (7.22861d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.04	V=17.0+/-0.5	Reference Frame: ICRS

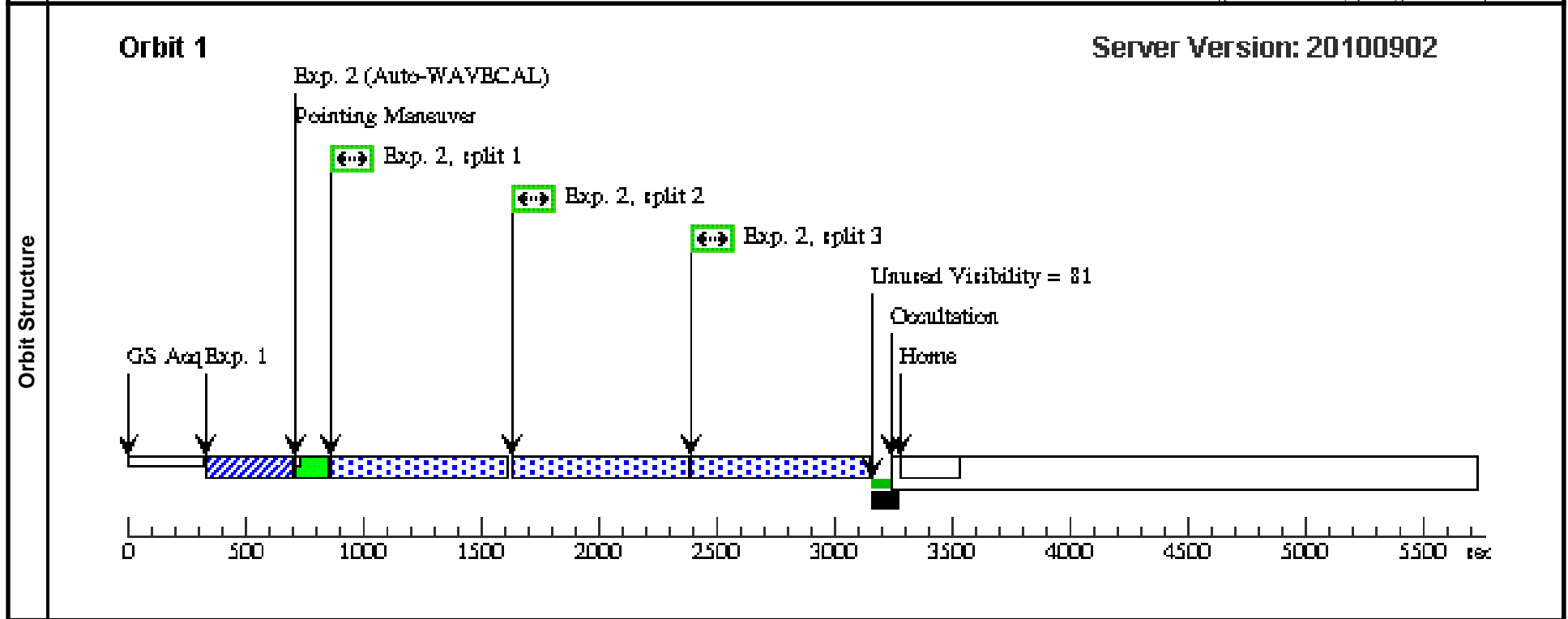
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(26) 10YUX	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35.0 Secs [==>]	[1]
	2	UVSpectrum	(26) 10YUX	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2100.0 Secs [==>744.0 Secs (Split 1)] [==>744.0 Secs (Split 2)] [==>744.0 Secs (Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 27, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 16-NOV-2010:23:59:59				
<i>Comments: UV spectrum of lowzsn-27</i>					

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(27)	10ZDK	RA: 02 14 7.3540 (33.5306417d) Dec: +23 37 50.59 (23.63072d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.034	V=16.5+/-0.5	Reference Frame: ICRS

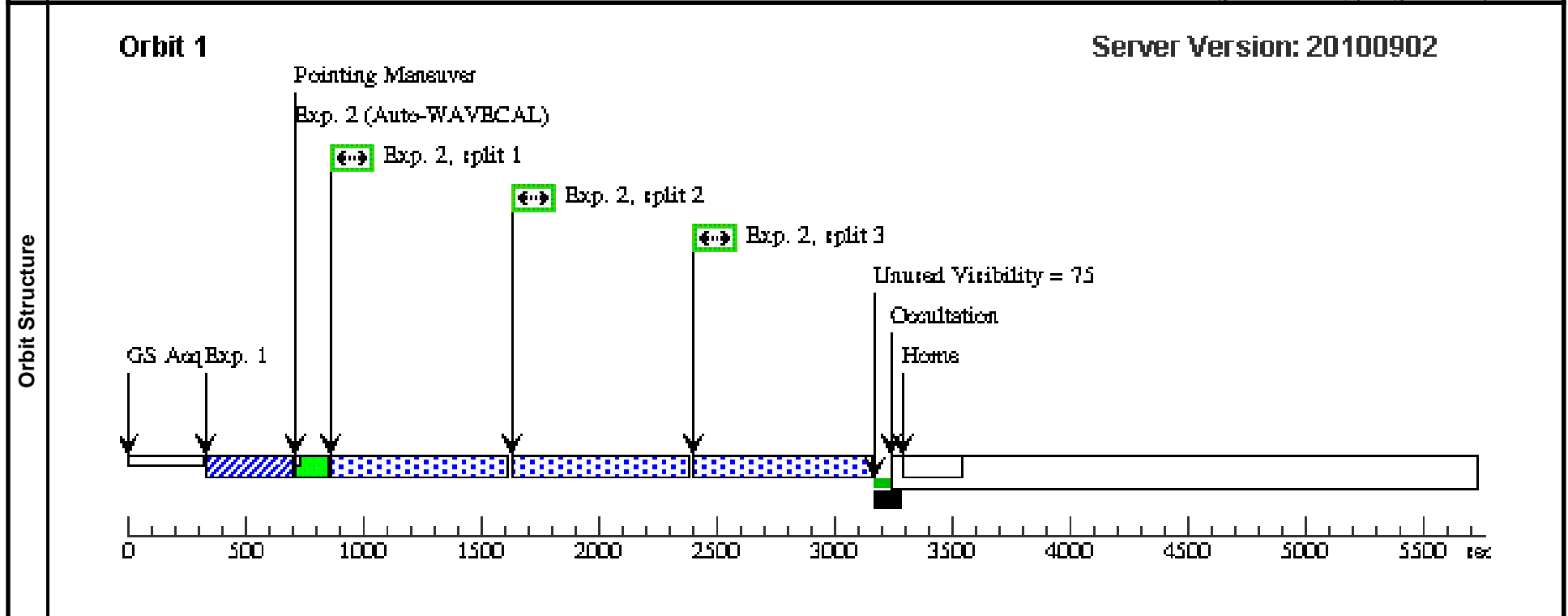
<b>Exposures</b>	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(27) 10ZDK	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35.0 Secs [==>]	[1]
	2	UVSpectrum	(27) 10ZDK	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			1300.0 Secs [==>720.0 Secs (Split 1)] [==>720.0 Secs (Split 2)] [==>720.0 Secs (Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 28, completed Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: PCS MODE FINE; BEFORE 29-NOV-2010:23:59:59; ON HOLD Comments: UV spectrum of SN2010ju On Hold Comments: Target of opportunity				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(28)	SN2010JU	RA: 05 41 55.9900 (85.4832917d) Dec: +18 29 51.00 (18.49750d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.015	V=14.8+/-	Reference Frame: ICRS

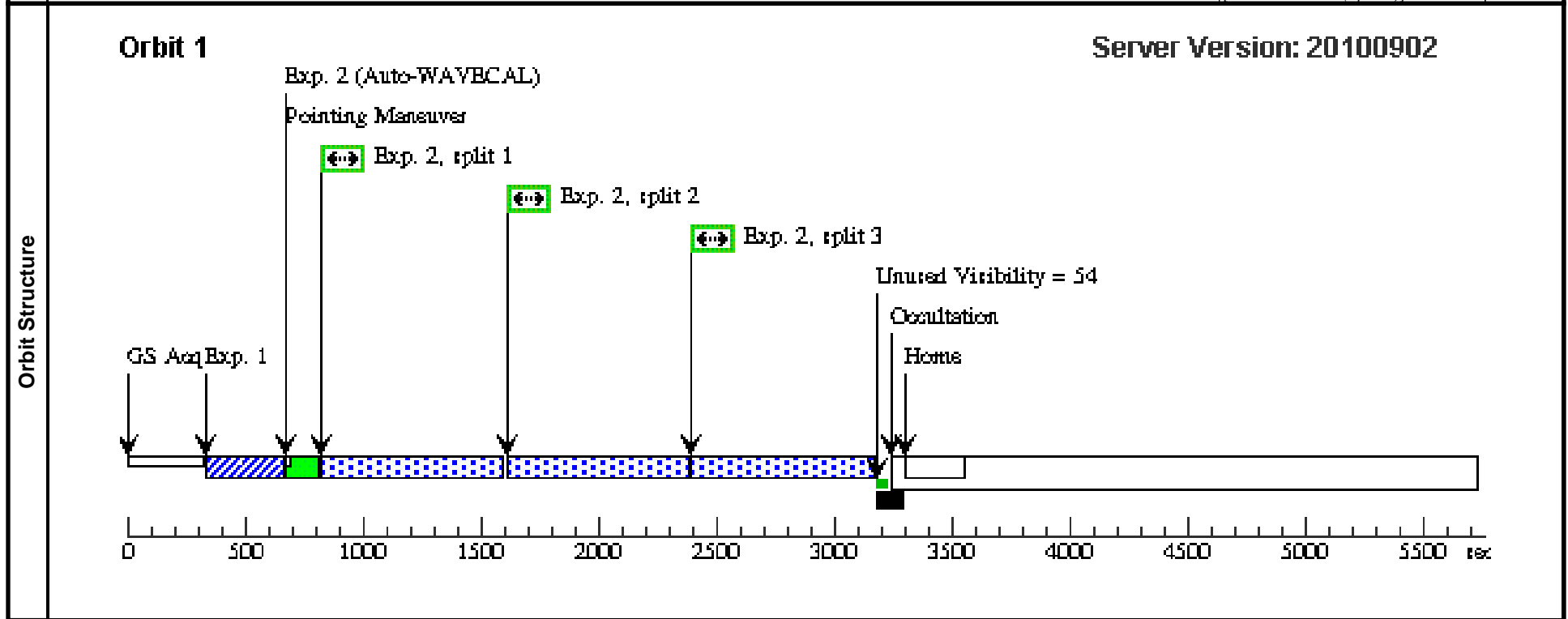
Exposures	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(28) SN2010JU	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35.0 Secs [==>]	[1]
	2	UVSpectrum	(28) SN2010JU	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2100.0 Secs [==>722.0 Secs (Split 1)] [==>722.0 Secs (Split 2)] [==>722.0 Secs (Split 3)]	[1]



<b>Visit</b>	Proposal 11721, Visit 29, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 14-DEC-2010:23:59:59				
<i>Comments: UV spectrum of SN2010XXXX</i>					

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(29)	SN2010XXXX	RA: 04 40 8.4000 (70.0350000d) Dec: +07 21 0.00 (7.35000d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.017	V=16.0+/-	Reference Frame: ICRS

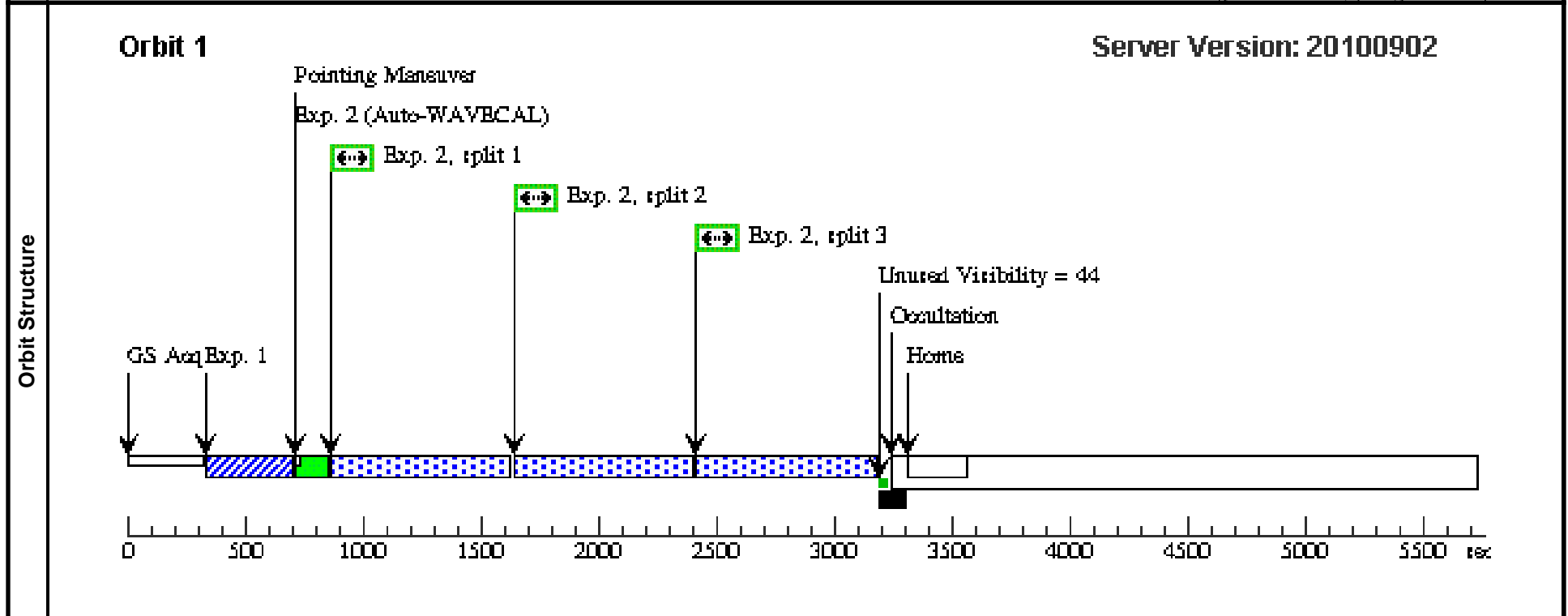
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(29) SN2010XXXX	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			25 Secs [==>]	[1]
	2	UVSpectrum	(29) SN2010XXXX	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2100.0 Secs [==>740.0 Secs (Split 1)] [==>740.0 Secs (Split 2)] [==>740.0 Secs (Split 3)]	[1]



<b>Visit</b>	<b>Proposal 11721, Visit 30, implementation</b>				
	<b>Diagnostic Status: No Diagnostics</b>				
	Scientific Instruments: STIS/CCD				
	Special Requirements: PCS MODE FINE; BEFORE 28-DEC-2010:23:59:59; ON HOLD				
	Comments: UV spectrum of 10ACDH On Hold Comments: Target of opportunity				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(30)	10ACDH	RA: 09 43 7.5780 (145.7815750d) Dec: +09 39 31.48 (9.65874d) Equinox: J2000	Proper Motion RA: null Proper Motion Dec: null Epoch of Position: Redshift: 0.0595	V=17.8+/-0.5	Reference Frame: ICRS

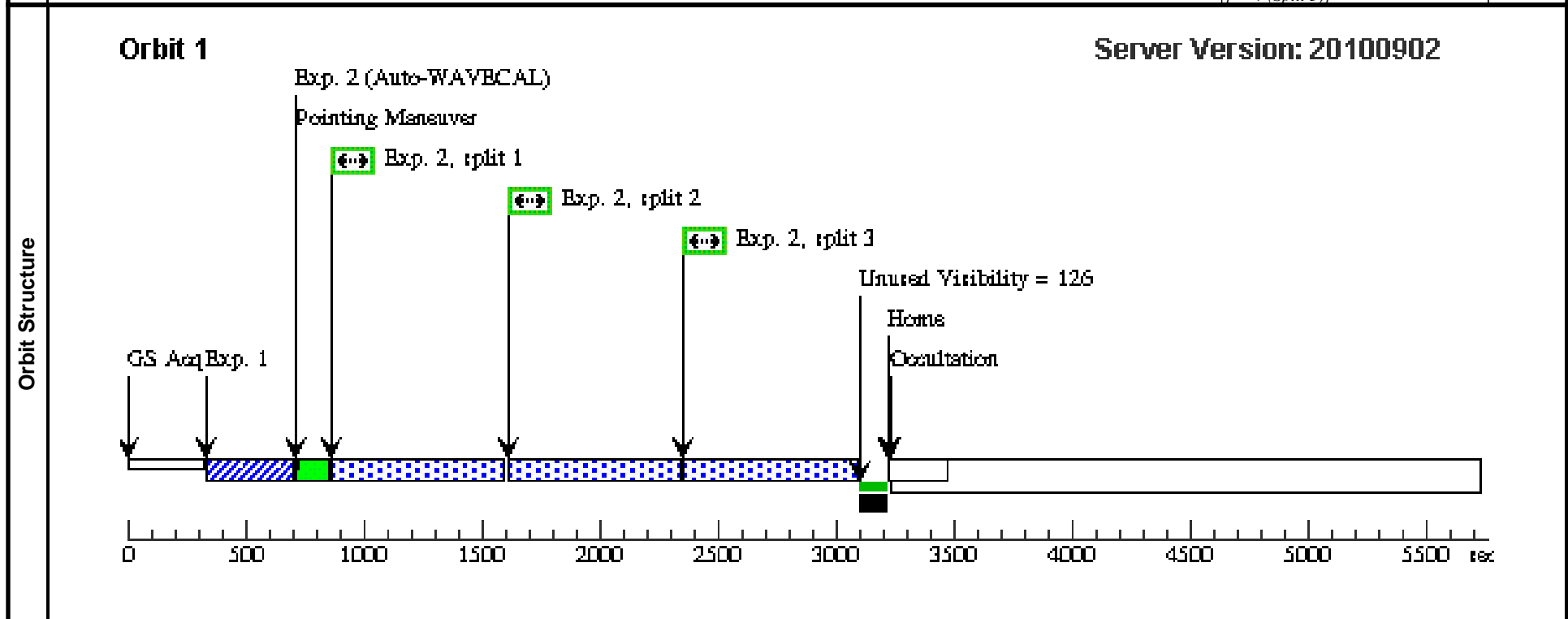
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(30) 10ACDH	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			35.0 Secs [==>]	[1]
	2	UVSpectrum	(30) 10ACDH	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=3			2100.0 Secs [==>730.0 Secs (Split 1)] [==>730.0 Secs (Split 2)] [==>730.0 Secs (Split 3)]	[1]



<b>Visit</b>	<b>Proposal 11721, Visit 31, implementation</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: STIS/CCD		
	Special Requirements: PCS MODE FINE; BETWEEN 01-FEB-2009:00:00:00 AND 31-DEC-2009:23:59:00; ON HOLD		
Comments: UV spectrum of lowzsn-31			
On Hold Comments: Target of opportunity			

<b>Generic Targets</b>	#	Name	Criteria	Description
	(31)	LOWZSN-31	Target drawn from Skymapper or PTF search field	SUPERNOVA TYPE IA
Comments: Type Ia Supernova not yet discovered.				

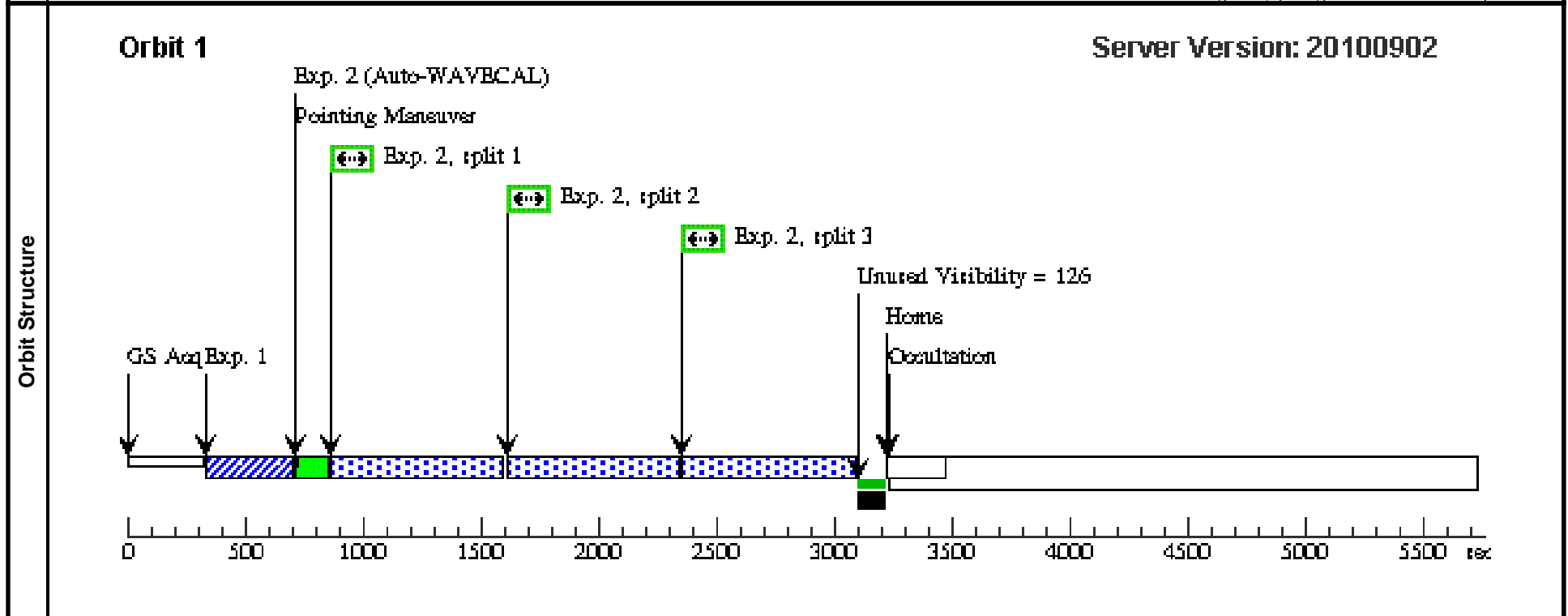
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(31) LOWZSN-31	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT				35.0 Secs [==>]
2	UVSpectrum	(31) LOWZSN-31	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A	CR-SPLIT=3				2100.0 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	<b>Proposal 11721, Visit 32, implementation</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: STIS/CCD		
	Special Requirements: PCS MODE FINE; BETWEEN 01-FEB-2009:00:00:00 AND 31-DEC-2009:23:59:00; ON HOLD		
	<i>Comments: UV spectrum of lowzsn-32</i>		
<i>On Hold Comments: Target of opportunity</i>			

<b>Generic Targets</b>	#	Name	Criteria	Description
	(32)	LOWZSN-32	Target drawn from Skymapper or PTF search field	SUPERNOVA TYPE IA
<i>Comments: Type Ia Supernova not yet discovered.</i>				

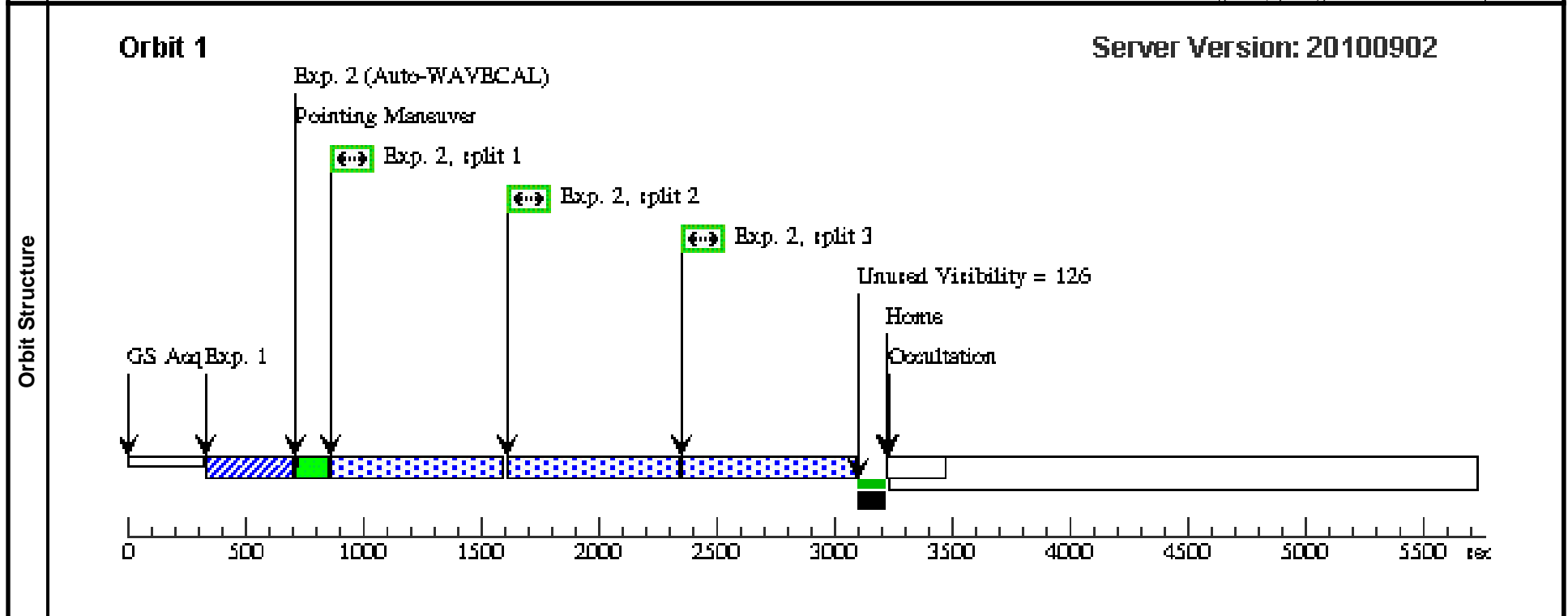
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(32) LOWZSN-32	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT				35.0 Secs [==>]
2	UVSpectrum	(32) LOWZSN-32	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A	CR-SPLIT=3				2100.0 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	<b>Proposal 11721, Visit 33, implementation</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: STIS/CCD		
	Special Requirements: PCS MODE FINE; BETWEEN 01-FEB-2009:00:00:00 AND 31-DEC-2009:23:59:00; ON HOLD		
Comments: UV spectrum of lowzsn-33			
On Hold Comments: Target of opportunity			

<b>Generic Targets</b>	#	Name	Criteria	Description
	(33)	LOWZSN-33	Target drawn from Skymapper or PTF search field	SUPERNOVA TYPE IA
Comments: Type Ia Supernova not yet discovered.				

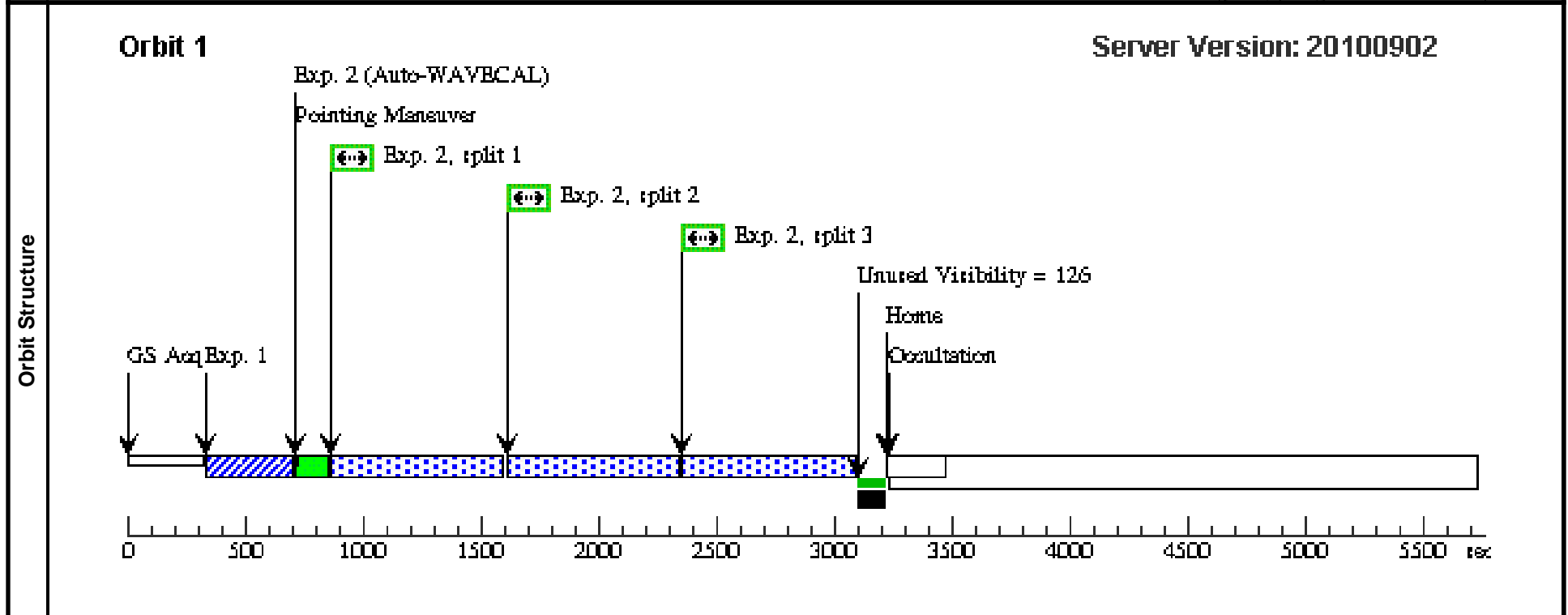
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(33) LOWZSN-33	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT				35.0 Secs [==>]
2	UVSpectrum	(33) LOWZSN-33	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A	CR-SPLIT=3				2100.0 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	<b>Proposal 11721, Visit 34, implementation</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: STIS/CCD		
	Special Requirements: PCS MODE FINE; BETWEEN 01-FEB-2009:00:00:00 AND 31-DEC-2009:23:59:00; ON HOLD		
Comments: UV spectrum of lowzsn-34			
On Hold Comments: Target of opportunity			

<b>Generic Targets</b>	#	Name	Criteria	Description
	(34)	LOWZSN-34	Target drawn from Skymapper or PTF search field	SUPERNOVA TYPE IA
Comments: Type Ia Supernova not yet discovered.				

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(34) LOWZSN-34	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT				35.0 Secs [==>]
2	UVSpectrum	(34) LOWZSN-34	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A	CR-SPLIT=3				2100.0 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]



<b>Visit</b>	<b>Proposal 11721, Visit 35, implementation</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: STIS/CCD		
	Special Requirements: PCS MODE FINE; BETWEEN 01-FEB-2009:00:00:00 AND 31-DEC-2009:23:59:00; ON HOLD		
Comments: UV spectrum of lowzsn-35			
On Hold Comments: Target of opportunity			

<b>Generic Targets</b>	#	Name	Criteria	Description
	(35)	LOWZSN-35	Target drawn from Skymapper or PTF search field	SUPERNOVA TYPE IA
Comments: Type Ia Supernova not yet discovered.				

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	TargetAcquisition	(35) LOWZSN-35	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT				35.0 Secs [==>]
2	UVSpectrum	(35) LOWZSN-35	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A	CR-SPLIT=3				2100.0 Secs [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]

