



18412 - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Cycle: 34, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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<i>Name</i>	<i>Institution</i>
Dr. Lindsey Kwok (CoI)	Northwestern University

VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) SN-OF-THE-YEAR ANY CCDFLAT WAVE	STIS/CCD STIS/NUV-MAMA WFC3/IR WFC3/UVIS	2	21-Aug-2026 11:00:19.0	yes
11	(1) SN-OF-THE-YEAR ANY	ACS/WFC WFC3/IR WFC3/UVIS	1	21-Aug-2026 11:00:20.0	yes
02	(1) SN-OF-THE-YEAR ANY CCDFLAT WAVE	STIS/CCD STIS/NUV-MAMA WFC3/UVIS	1	21-Aug-2026 11:00:20.0	yes
12	(2) TEMP ANY	ACS/WFC WFC3/IR WFC3/UVIS	1	21-Aug-2026 11:00:21.0	yes
03	(1) SN-OF-THE-YEAR ANY CCDFLAT WAVE	STIS/CCD STIS/NUV-MAMA WFC3/UVIS	1	21-Aug-2026 11:00:22.0	yes
04	(1) SN-OF-THE-YEAR ANY CCDFLAT WAVE	STIS/CCD STIS/NUV-MAMA WFC3/IR	1	21-Aug-2026 11:00:23.0	yes
05	(1) SN-OF-THE-YEAR ANY CCDFLAT WAVE	STIS/CCD STIS/NUV-MAMA WFC3/UVIS	1	21-Aug-2026 11:00:24.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
06	(1) SN-OF-THE-YEAR ANY CCDFLAT WAVE	STIS/CCD STIS/NUV-MAMA WFC3/UVIS	1	21-Aug-2026 11:00:24.0	yes
07	(1) SN-OF-THE-YEAR ANY CCDFLAT WAVE	STIS/CCD STIS/NUV-MAMA WFC3/UVIS	1	21-Aug-2026 11:00:25.0	yes
08	(1) SN-OF-THE-YEAR ANY CCDFLAT WAVE	STIS/CCD STIS/NUV-MAMA WFC3/IR	1	21-Aug-2026 11:00:26.0	yes
09	(1) SN-OF-THE-YEAR ANY CCDFLAT WAVE	STIS/CCD STIS/NUV-MAMA WFC3/UVIS	1	21-Aug-2026 11:00:26.0	yes
10	(1) SN-OF-THE-YEAR ANY CCDFLAT WAVE	STIS/CCD STIS/NUV-MAMA WFC3/IR WFC3/UVIS	2	21-Aug-2026 11:00:27.0	yes
21	(1) SN-OF-THE-YEAR ANY	ACS/WFC WFC3/IR WFC3/UVIS	2	21-Aug-2026 11:00:29.0	yes

16 Total Orbits Used

ABSTRACT

Type Ia supernovae (SN Ia) are a fundamental cosmological probe, are critical for enriching the Universe with metals, and provide feedback for star formation. Yet, we do not know which star systems produce them or how they explode. The most progress in these areas has been made when obtaining exceptional datasets for individual SNe. Here we propose an ambitious and comprehensive program to (1) determine the progenitor metallicity and explosion mechanism through UV spectroscopy, (2) separate the SN's intrinsic color from the dust reddening law with UV through

NIR photometry, (3) measure the central density of the progenitor star by examining the late-time fading, (4) constrain the progenitor age from observations of its environment, (5) search for any potential companion star using NOIRLab observations in the first few days after explosion, (6) measure the ejecta composition and kinematics with late-time NOIRLab/JWST optical/NIR/MIR spectroscopy, (7) determine circumstellar properties with Chandra X-ray and VLA radio observations, and (8) measure a precise distance from observations of Cepheid variables. No SN Ia has had all of these measurements, and only the two closest SN Ia since Hubble's launch have six of the eight.

These data will unveil new, detailed understanding of SN Ia physics and be a complete dataset against which theories will be tested. This program will be a legacy for SN Ia science for decades.

OBSERVING DESCRIPTION

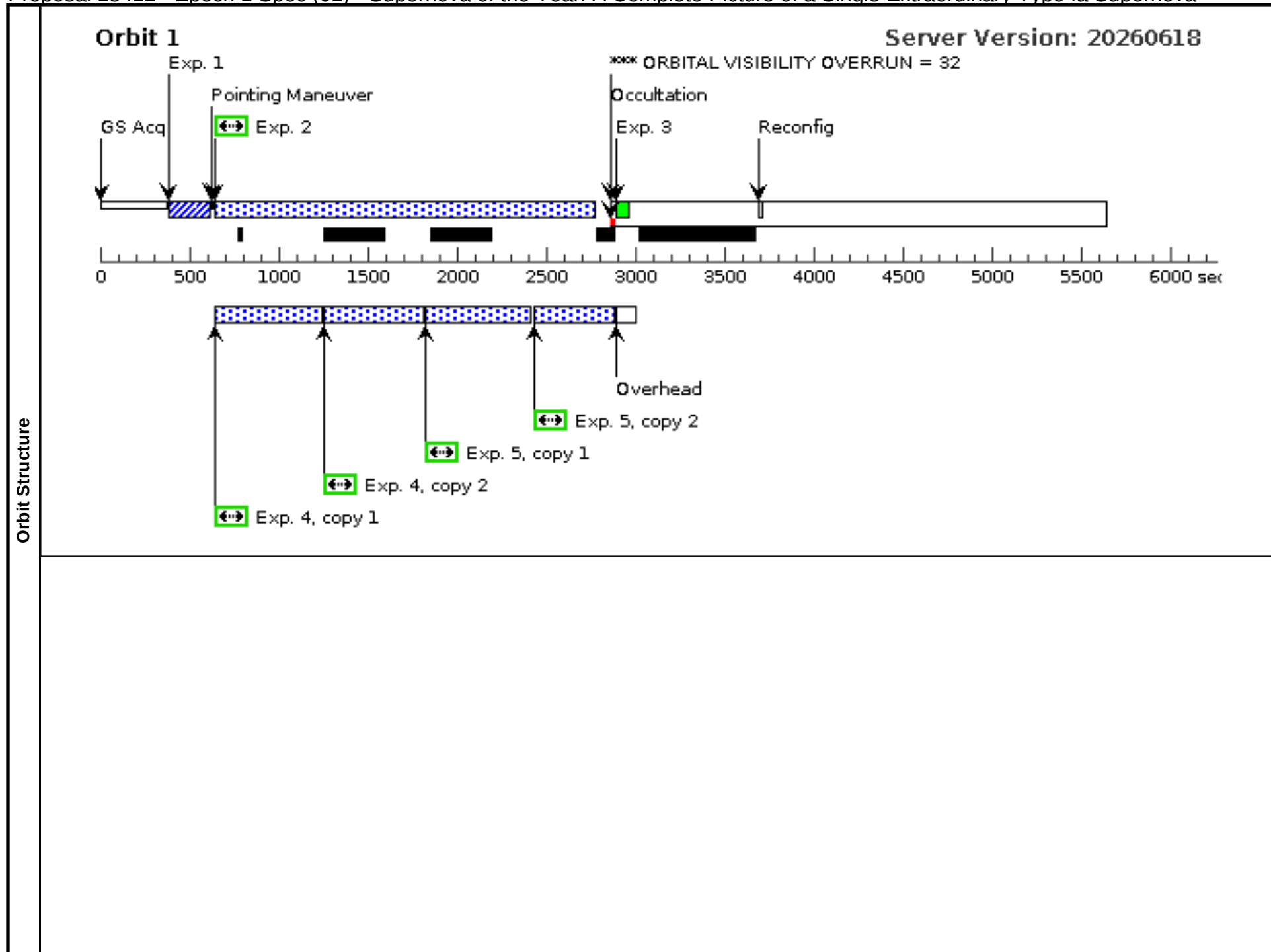
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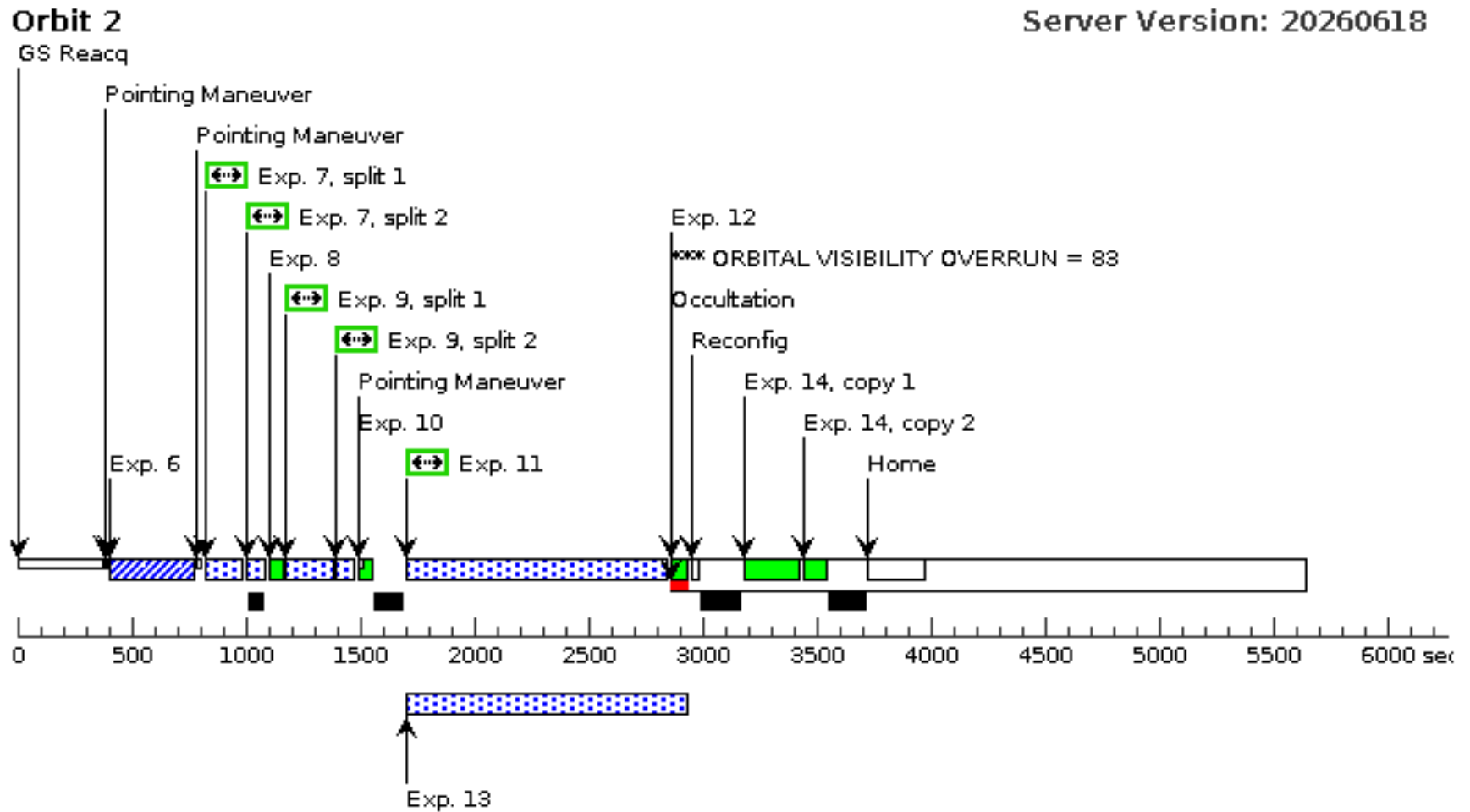
Proposal 18412 - Epoch 1 Spec (01) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Visit	Proposal 18412, Epoch 1 Spec (01), implementation				Fri Aug 21 15:00:30 GMT 2026			
	Diagnostic Status: Warning							
	Scientific Instruments: WFC3/IR, WFC3/UVIS, STIS/NUV-MAMA, STIS/CCD							
Diagnostics	Special Requirements: SCHED 100%; TOO MIN RESPONSE TIME 2.0D; TOO MAX RESPONSE TIME 5.0D							
	(Epoch 1 Spec (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN							
	(Epoch 1 Spec (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN							
Generic Targets								
	#	Name	Criteria	Description				
	(1)	SN-OF-THE-YEAR	ToO	SUPERNOVA TYPE IA				

Proposal 18412 - Epoch 1 Spec (01) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SN-OF-THE-YE AR	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 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-OF-THE-YE AR	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A	WAVECAL=NO	POS TARG 0.0,0.5	Prime + Parallel Gro up 2-5 in Epoch 1 Sp ec (01)	2000 Secs (2000 Secs) [==>]	[1]
	3		WAVE	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 2-5 in Epoch 1 Sp ec (01)	[==>]	[1]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F350LP			Prime + Parallel Gro up 2-5 in Epoch 1 Sp ec (01)	450 Secs X 2 (900 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10		Prime + Parallel Gro up 2-5 in Epoch 1 Sp ec (01)	450 Secs X 2 (900 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	6		(1) SN-OF-THE-YE AR	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[2]
	Comments:).1 for 14th mag star yields a s/n ~50 Time to saturation is 15 seconds.									
	7		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[2]
	8		WAVE	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A				[==>]	[2]
	9		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[2]
	10		WAVE	STIS/CCD, ACCUM, 52X0.2	G750L 7751 A				[==>]	[2]
	11	(STIS.sp.18 6473)	(1) SN-OF-THE-YE AR	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 11-13 in Epoch 1 Spec (01)	1000 Secs (1000 Secs) [==>]	[2]
	12		WAVE	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 11-13 in Epoch 1 Spec (01)	[==>]	[2]
	13		ANY	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	NSAMP=7; SAMP-SEQ=SPAR S200		Prime + Parallel Gro up 11-13 in Epoch 1 Spec (01)	1202.932693 Secs (1202.933 Secs) [==>]	[2]
	14		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[2]



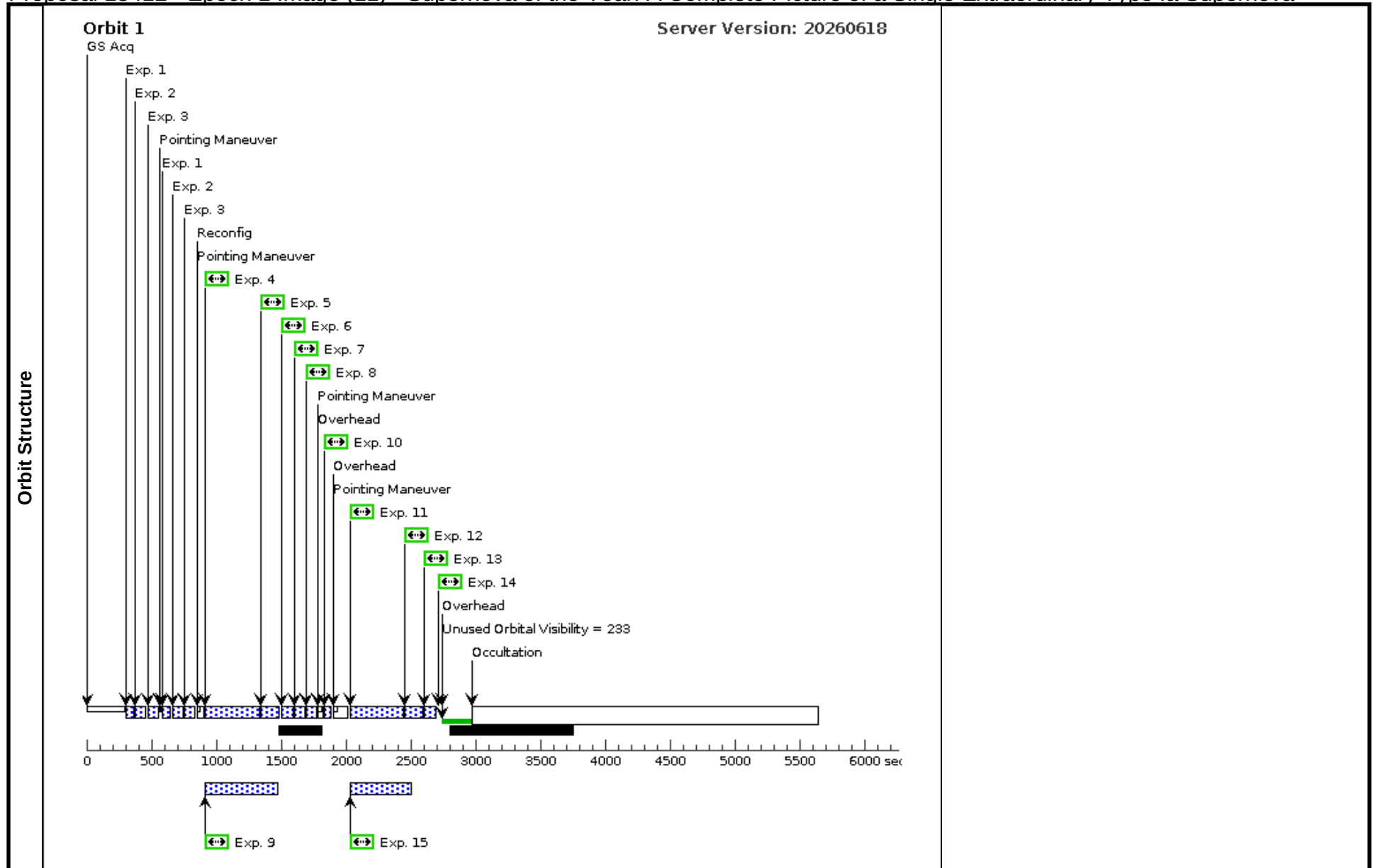


Proposal 18412 - Epoch 1 Image (11) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Visit	Proposal 18412, Epoch 1 Image (11), implementation Fri Aug 21 15:00:30 GMT 2026			
	Diagnostic Status: Informational Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT -15D TO 15D FROM 01; AFTER 01 BY 0 H TO 4 H; ON HOLD <i>On Hold Comments: ToO</i>			
Diagnostics	(Epoch 1 Image (11)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.			
Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1-3)
Generic Targets	#	Name	Criteria	Description
	(1)	SN-OF-THE-YEAR	ToO	SUPERNOVA TYPE IA

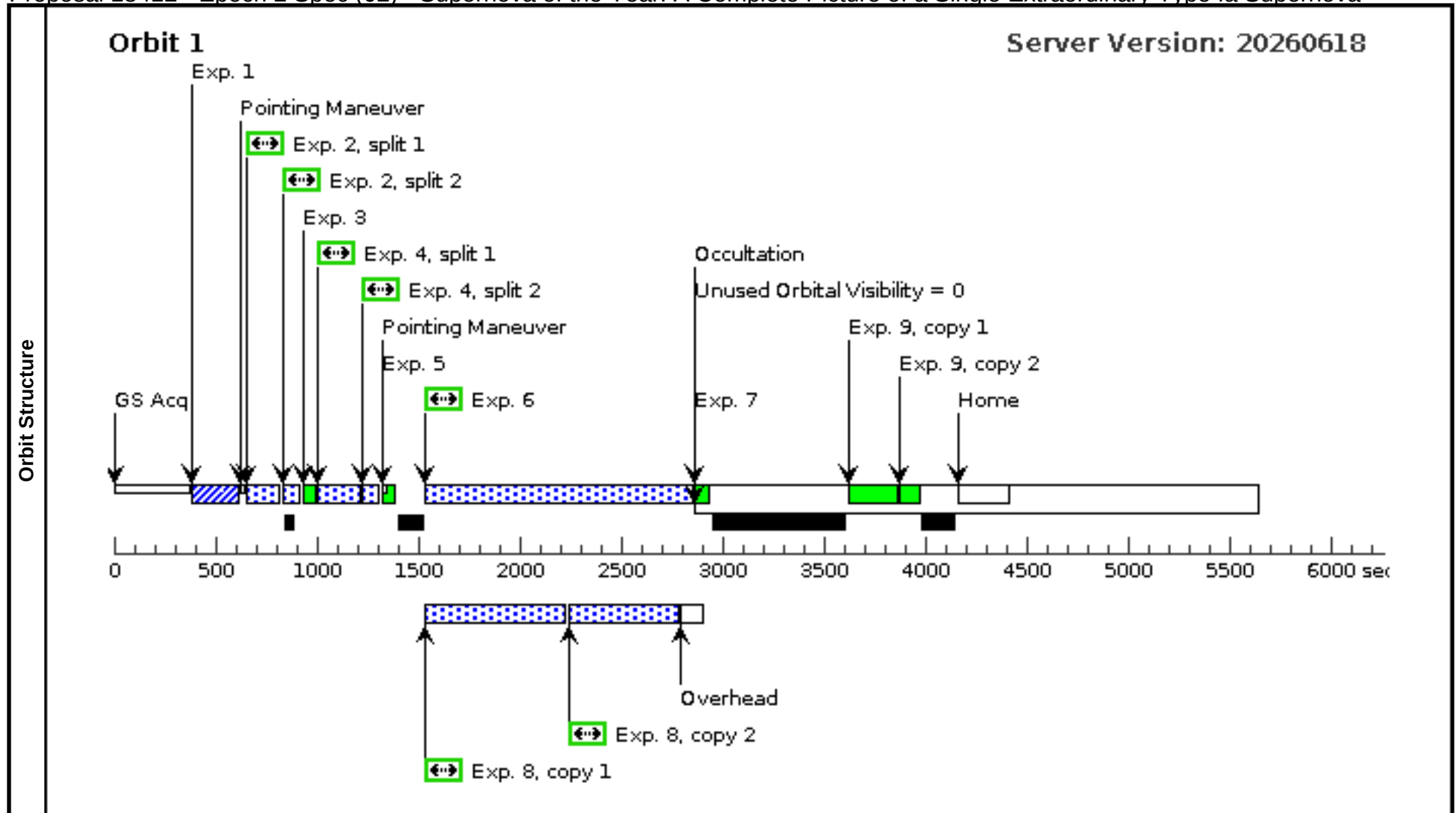
Proposal 18412 - Epoch 1 Image (11) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SN-OF-THE-YE AR	WFC3/IR, MULTIACCUM, IRSUB512	F125W	NSAMP=6; SAMP-SEQ=STEP2 5		Sequence 1-3 Non-Int in Epoch 1 Image (11) Pattern 2, Exps 1-3 in Sequence 1-3 Non-Int in Epoch 1 Image (11) (2)	36.754642 Secs (73.509 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(1) SN-OF-THE-YE AR	WFC3/IR, MULTIACCUM, IRSUB512	F140W	NSAMP=7; SAMP-SEQ=STEP2 5		Sequence 1-3 Non-Int in Epoch 1 Image (11) Pattern 2, Exps 1-3 in Sequence 1-3 Non-Int in Epoch 1 Image (11) (2)	59.675893 Secs (119.352 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(1) SN-OF-THE-YE AR	WFC3/IR, MULTIACCUM, IRSUB512	F160W	NSAMP=7; SAMP-SEQ=STEP2 5		Sequence 1-3 Non-Int in Epoch 1 Image (11) Pattern 2, Exps 1-3 in Sequence 1-3 Non-Int in Epoch 1 Image (11) (2)	59.675893 Secs (119.352 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F218W	FLASH=20		Prime + Parallel Group 4-9 in Epoch 1 Image (11)	334 Secs (334 Secs) [==>]	[1]
	5		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F225W	FLASH=20		Prime + Parallel Group 4-9 in Epoch 1 Image (11)	67 Secs (67 Secs) [==>]	[1]
	6		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	FLASH=20		Prime + Parallel Group 4-9 in Epoch 1 Image (11)	8 Secs (8 Secs) [==>]	[1]
	7		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F300X	FLASH=20		Prime + Parallel Group 4-9 in Epoch 1 Image (11)	2 Secs (2 Secs) [==>]	[1]
	8		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F336W	FLASH=20		Prime + Parallel Group 4-9 in Epoch 1 Image (11)	50 Secs (50 Secs) [==>]	[1]
	9		ANY	ACS/WFC, ACCUM, WFC2-FIX	F850LP			Prime + Parallel Group 4-9 in Epoch 1 Image (11)	350 Secs (350 Secs) [==>]	[1]
	10		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-FIX	F336W	FLASH=20	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	11		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F218W	FLASH=20	POS TARG 0.099,0.106	Prime + Parallel Group 11-15 in Epoch 1 Image (11)	334 Secs (334 Secs) [==>]	[1]
	12		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F225W	FLASH=20	POS TARG 0.099,0.106	Prime + Parallel Group 11-15 in Epoch 1 Image (11)	67 Secs (67 Secs) [==>]	[1]
	13		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	FLASH=20	POS TARG 0.099,0.106	Prime + Parallel Group 11-15 in Epoch 1 Image (11)	8 Secs (8 Secs) [==>]	[1]
	14		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F300X	FLASH=20	POS TARG 0.099,0.106	Prime + Parallel Group 11-15 in Epoch 1 Image (11)	2 Secs (2 Secs) [==>]	[1]
	15		ANY	ACS/WFC, ACCUM, WFC2-FIX	F850LP			Prime + Parallel Group 11-15 in Epoch 1 Image (11)	350 Secs (350 Secs) [==>]	[1]



Proposal 18412 - Epoch 2 Spec (02) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Visit	Proposal 18412, Epoch 2 Spec (02), implementation Fri Aug 21 15:00:30 GMT 2026									
	Diagnostic Status: Informational Scientific Instruments: WFC3/UVIS, STIS/NUV-MAMA, STIS/CCD Special Requirements: SCHED 100%; SAME ORIENT AS 01; AFTER 01 BY 2 D TO 3 D; TOO MIN RESPONSE TIME 2.0D; TOO MAX RESPONSE TIME 5.0D									
Diagnos	(Epoch 2 Spec (02)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Generic Targets	#	Name	Criteria	Description						
	(1)	SN-OF-THE-YEAR	ToO	SUPERNOVA TYPE IA						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SN-OF-THE-YE AR	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	Comments:).1 for 14th mag star yields a s/n ~50 Time to saturation is 15 seconds.									
	2		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	3		WAVE	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A				[==>]	[1]
	4		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5		WAVE	STIS/CCD, ACCUM, 52X0.2	G750L 7751 A				[==>]	[1]
	6	(STIS.sp.18 6473)	(1) SN-OF-THE-YE AR	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A	WAVECAL=NO		Prime + Parallel Gro up 6-8 in Epoch 2 Sp ec (02)	1164 Secs (1164 Secs) [==>]	[1]
	7		WAVE	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 6-8 in Epoch 2 Sp ec (02)	[==>]	[1]
	8		ANY	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=5		Prime + Parallel Gro up 6-8 in Epoch 2 Sp ec (02)	540 Secs X 2 (1080 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	9		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 18412 - Epoch 2 Image (12) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

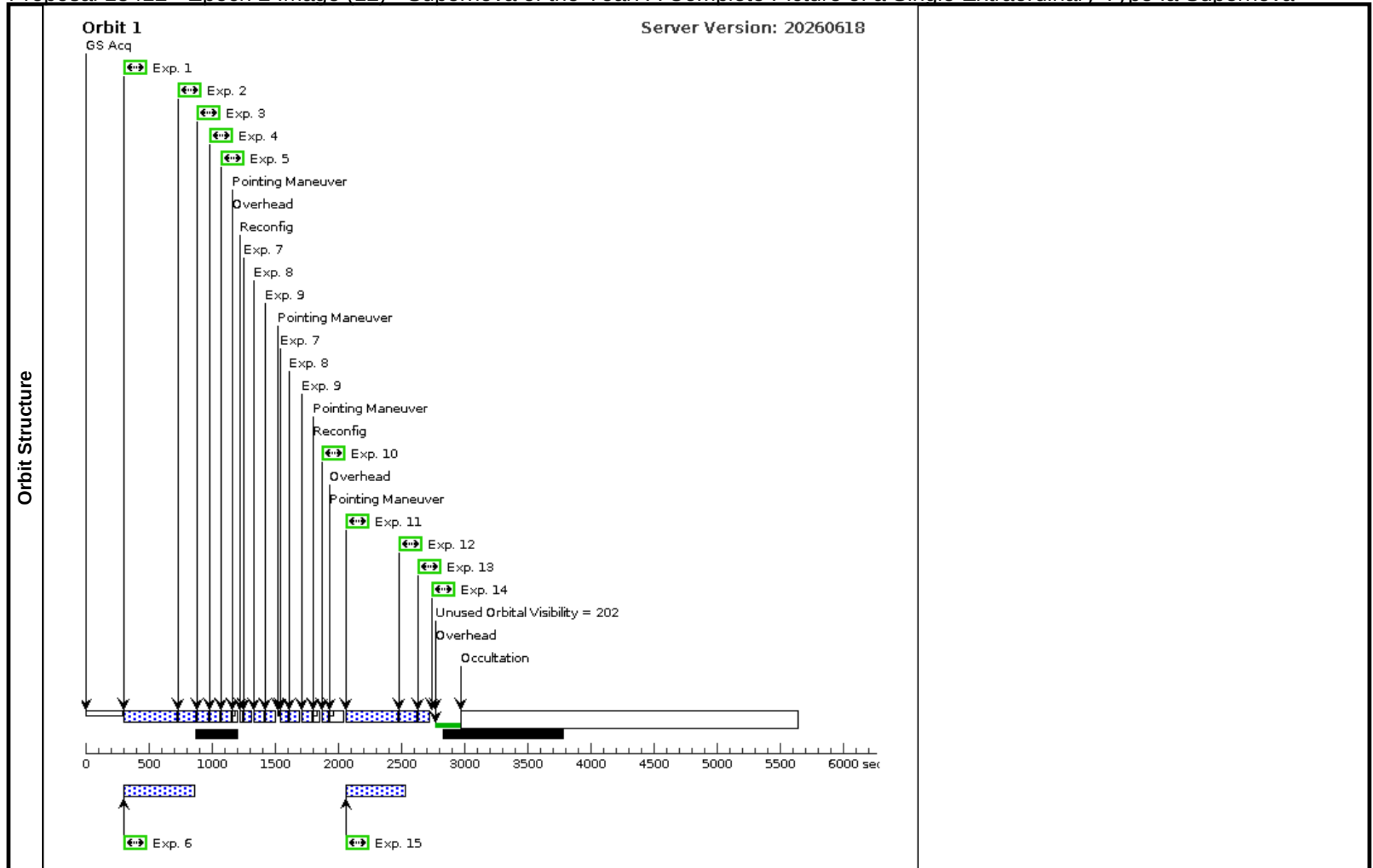
Visit	Proposal 18412, Epoch 2 Image (12), implementation Fri Aug 21 15:00:30 GMT 2026				
	Diagnostic Status: Informational Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 11; AFTER 02 BY 0 H TO 4 H; ON HOLD <i>On Hold Comments: ToO</i>				
Diagnostics	(Epoch 2 Image (12)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(7-9)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(2)	TEMP	RA: 00 00 0.0000 (.0000000d) Dec: +00 00 0.00 (.00000d) Equinox: J2000		V=14
	Comments: Category=EXT-STAR Description=[SUPERNOVA TYPE IA] Extended=NO Reference Frame: ICRS				

Proposal 18412 - Epoch 2 Image (12) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) TEMP	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F218W	FLASH=20		Sequence 1-9 Non-Int in Epoch 2 Image (12) Prime + Parallel Group 1-6 in Sequence 1-9 Non-Int in Epoch 2 Image (12)	334 Secs (334 Secs) [==>]	[1]
	2		(2) TEMP	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F225W	FLASH=20		Sequence 1-9 Non-Int in Epoch 2 Image (12) Prime + Parallel Group 1-6 in Sequence 1-9 Non-Int in Epoch 2 Image (12)	67 Secs (67 Secs) [==>]	[1]
	3		(2) TEMP	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	FLASH=20		Sequence 1-9 Non-Int in Epoch 2 Image (12) Prime + Parallel Group 1-6 in Sequence 1-9 Non-Int in Epoch 2 Image (12)	8 Secs (8 Secs) [==>]	[1]
	4		(2) TEMP	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F300X	FLASH=20		Sequence 1-9 Non-Int in Epoch 2 Image (12) Prime + Parallel Group 1-6 in Sequence 1-9 Non-Int in Epoch 2 Image (12)	2 Secs (2 Secs) [==>]	[1]
	5		(2) TEMP	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F336W	FLASH=20		Sequence 1-9 Non-Int in Epoch 2 Image (12) Prime + Parallel Group 1-6 in Sequence 1-9 Non-Int in Epoch 2 Image (12)	50 Secs (50 Secs) [==>]	[1]
	6		ANY	ACS/WFC, ACCUM, WFC2-FIX	F850LP			Sequence 1-9 Non-Int in Epoch 2 Image (12) Prime + Parallel Group 1-6 in Sequence 1-9 Non-Int in Epoch 2 Image (12)	350 Secs (350 Secs) [==>]	[1]
	7		(2) TEMP	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	NSAMP=6; SAMP-SEQ=STEP2 5		Sequence 1-9 Non-Int in Epoch 2 Image (12) Pattern 2, Exps 7-9 in Sequence 1-9 Non-Int in Epoch 2 Image (12) (2)	36.754642 Secs (73.509 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(2) TEMP	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F140W	NSAMP=7; SAMP-SEQ=STEP2 5		Sequence 1-9 Non-Int in Epoch 2 Image (12) Pattern 2, Exps 7-9 in Sequence 1-9 Non-Int in Epoch 2 Image (12) (2)	59.675893 Secs (119.352 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

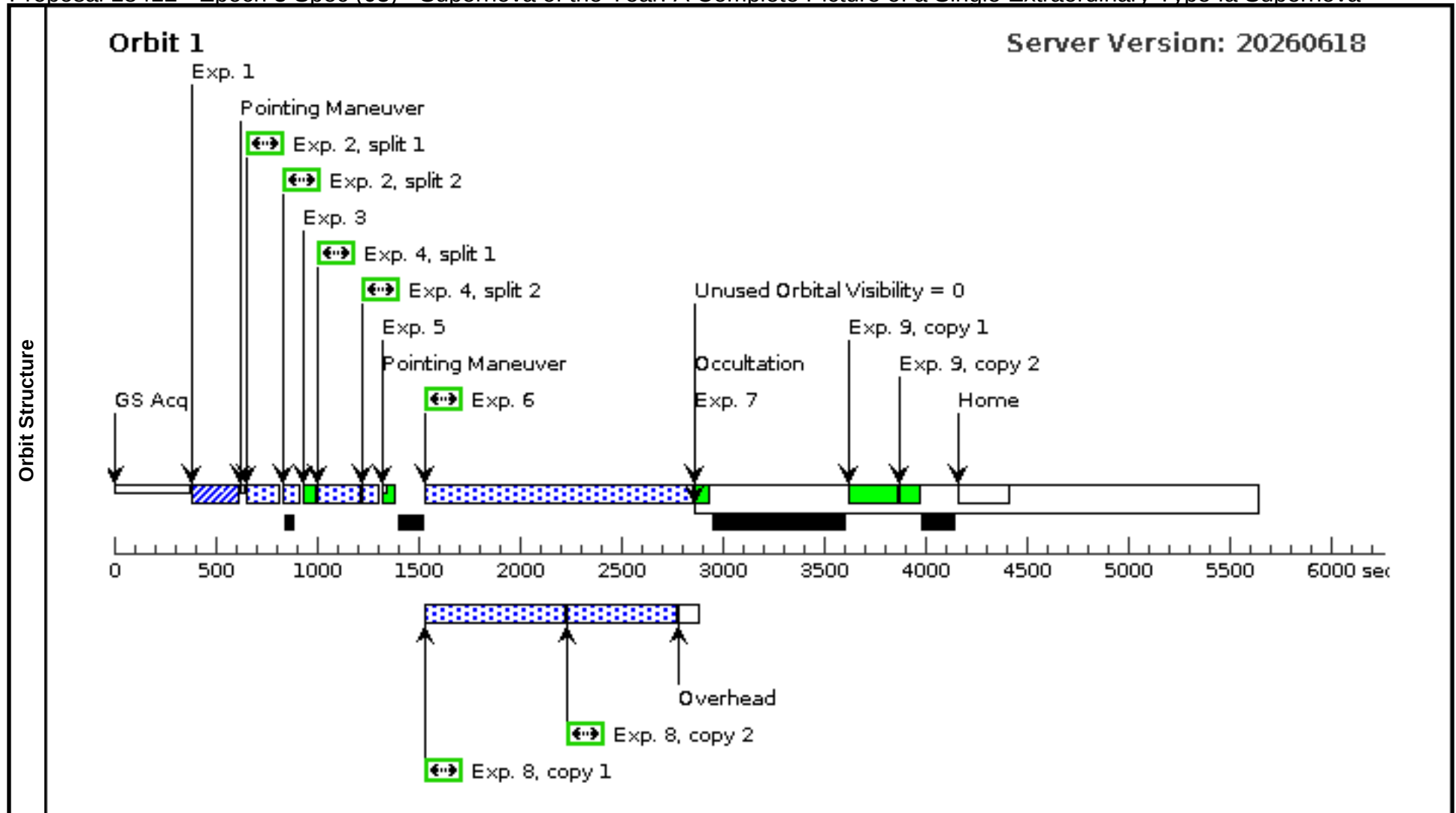
Proposal 18412 - Epoch 2 Image (12) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

9	(2) TEMP	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F160W	NSAMP=7; SAMP-SEQ=STEP2 5	Sequence 1-9 Non-Int in Epoch 2 Image (12) Pattern 2, Exps 7-9 in Sequence 1-9 Non-Int in Epoch 2 Image (12) (2)	59.675893 Secs (119.352 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	10	(2) TEMP	WFC3/UVIS, ACCUM, UVIS2-FIX	F336W	FLASH=20	POS TARG 0.099,0.106	50 Secs (50 Secs) [==>]	[1]
	11	(2) TEMP	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F218W	FLASH=20	POS TARG 0.099,0.106	Prime + Parallel Group 11-15 in Epoch 2 Image (12) 334 Secs (334 Secs) [==>]	[1]
	12	(2) TEMP	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F225W	FLASH=20	POS TARG 0.099,0.106	Prime + Parallel Group 11-15 in Epoch 2 Image (12) 67 Secs (67 Secs) [==>]	[1]
	13	(2) TEMP	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	FLASH=20	POS TARG 0.099,0.106	Prime + Parallel Group 11-15 in Epoch 2 Image (12) 8 Secs (8 Secs) [==>]	[1]
	14	(2) TEMP	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F300X	FLASH=20	POS TARG 0.099,0.106	Prime + Parallel Group 11-15 in Epoch 2 Image (12) 2 Secs (2 Secs) [==>]	[1]
	15	ANY	ACS/WFC, ACCUM, WFC2-FIX	F850LP		Prime + Parallel Group 11-15 in Epoch 2 Image (12) 350 Secs (350 Secs) [==>]	[1]	



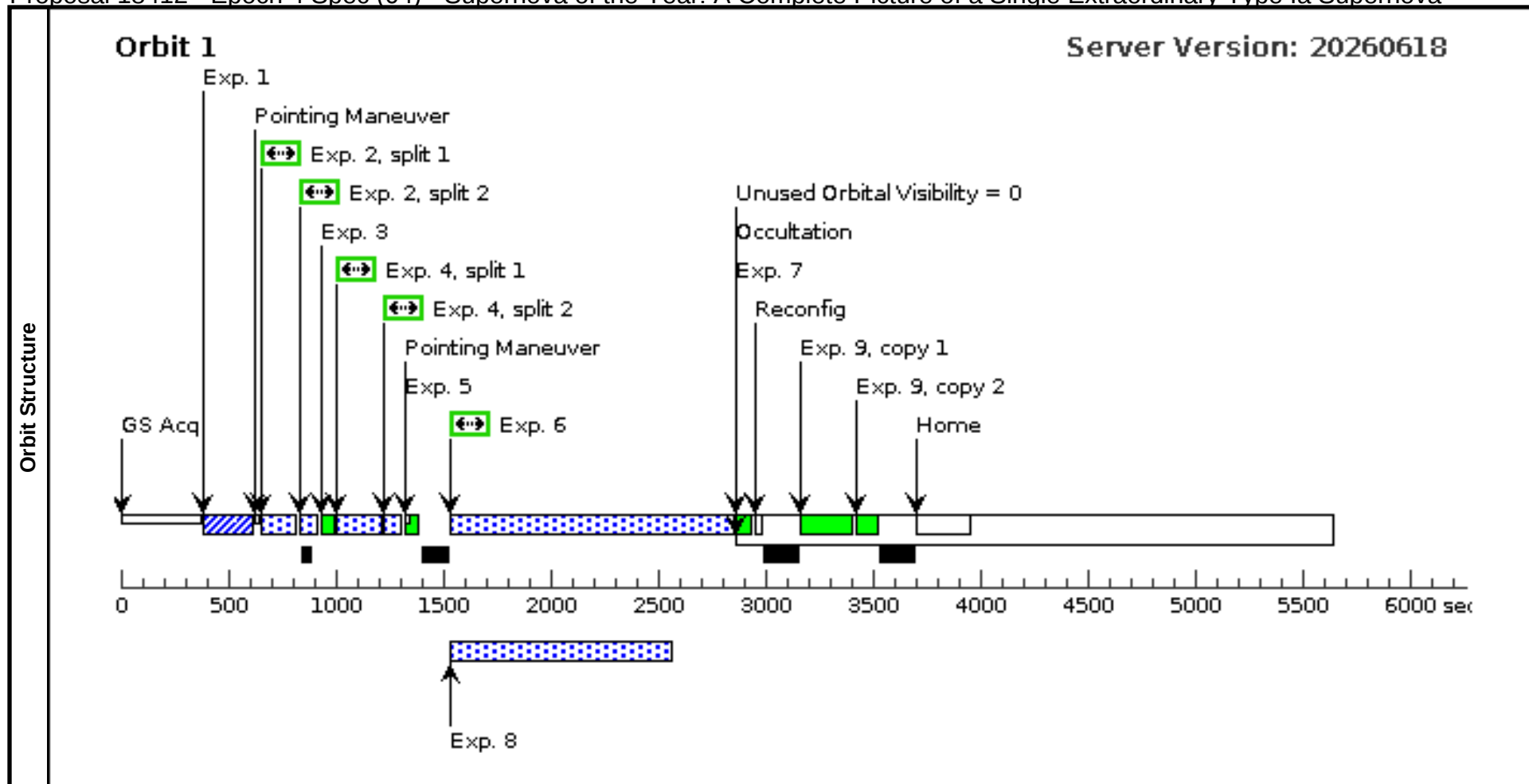
Proposal 18412 - Epoch 3 Spec (03) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Visit	Proposal 18412, Epoch 3 Spec (03), implementation Fri Aug 21 15:00:30 GMT 2026									
	Diagnostic Status: Informational Scientific Instruments: WFC3/UVIS, STIS/NUV-MAMA, STIS/CCD Special Requirements: SCHED 100%; SAME ORIENT AS 01; AFTER 01 BY 4 D TO 5 D; TOO MIN RESPONSE TIME 2.0D; TOO MAX RESPONSE TIME 5.0D									
Diagnostics	(Epoch 3 Spec (03)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Generic Targets	#	Name	Criteria	Description						
	(1)	SN-OF-THE-YEAR	ToO	SUPERNOVA TYPE IA						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SN-OF-THE-YE AR	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	Comments:).1 for 14th mag star yields a s/n ~50 Time to saturation is 15 seconds.									
	2		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	3		WAVE	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A				[==>]	[1]
	4		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5		WAVE	STIS/CCD, ACCUM, 52X0.2	G750L 7751 A				[==>]	[1]
	6	(STIS.sp.18 6473)	(1) SN-OF-THE-YE AR	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A	WAVECAL=NO		Prime + Parallel Gro up 6-8 in Epoch 3 Sp ec (03)	1164 Secs (1164 Secs) [==>]	[1]
	7		WAVE	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 6-8 in Epoch 3 Sp ec (03)	[==>]	[1]
	8		ANY	WFC3/UVIS, ACCUM, UVIS	F350LP			Prime + Parallel Gro up 6-8 in Epoch 3 Sp ec (03)	540 Secs X 2 (1080 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	9		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



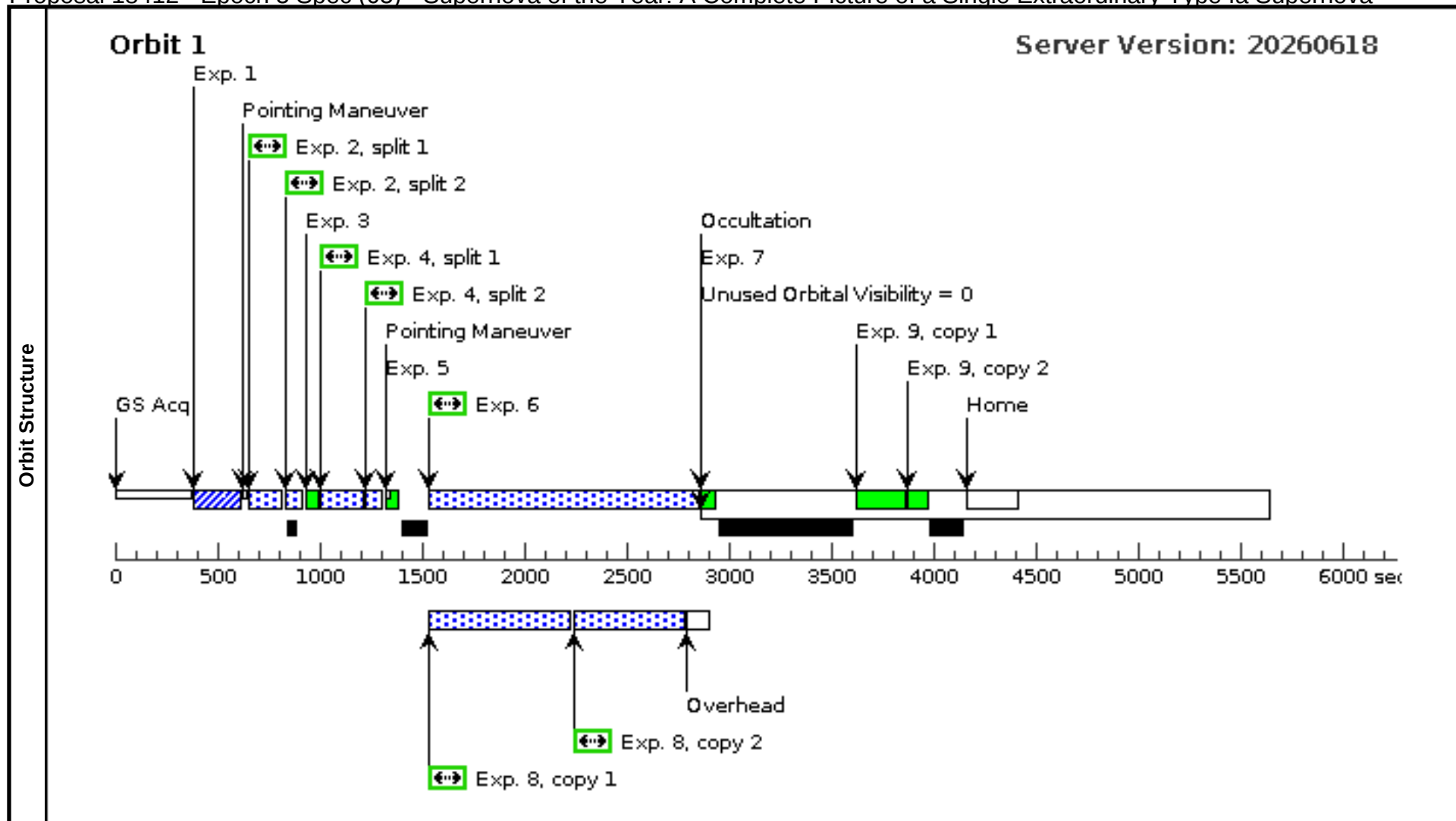
Proposal 18412 - Epoch 4 Spec (04) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Visit	Proposal 18412, Epoch 4 Spec (04), implementation Fri Aug 21 15:00:30 GMT 2026									
	Diagnostic Status: Informational Scientific Instruments: WFC3/IR, STIS/NUV-MAMA, STIS/CCD Special Requirements: SCHED 100%; SAME ORIENT AS 01; AFTER 01 BY 6 D TO 7 D; TOO MIN RESPONSE TIME 2.0D; TOO MAX RESPONSE TIME 5.0D									
Diagnostics	(Epoch 4 Spec (04)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Generic Targets	#	Name	Criteria	Description						
	(1)	SN-OF-THE-YEAR	ToO	SUPERNOVA TYPE IA						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SN-OF-THE-YE AR	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	Comments:).1 for 14th mag star yields a s/n ~50 Time to saturation is 15 seconds.									
	2		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	3		WAVE	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A				[==>]	[1]
	4		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5		WAVE	STIS/CCD, ACCUM, 52X0.2	G750L 7751 A				[==>]	[1]
	6	(STIS.sp.18 6473)	(1) SN-OF-THE-YE AR	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A	WAVECAL=NO		Prime + Parallel Gro up 6-8 in Epoch 4 Sp ec (04)	1164 Secs (1164 Secs) [==>]	[1]
	7		WAVE	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 6-8 in Epoch 4 Sp ec (04)	[==>]	[1]
	8		ANY	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	NSAMP=6; SAMP-SEQ=SPAR S200		Prime + Parallel Gro up 6-8 in Epoch 4 Sp ec (04)	1002.932626 Secs (1002.933 Secs) [==>]	[1]
	9		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



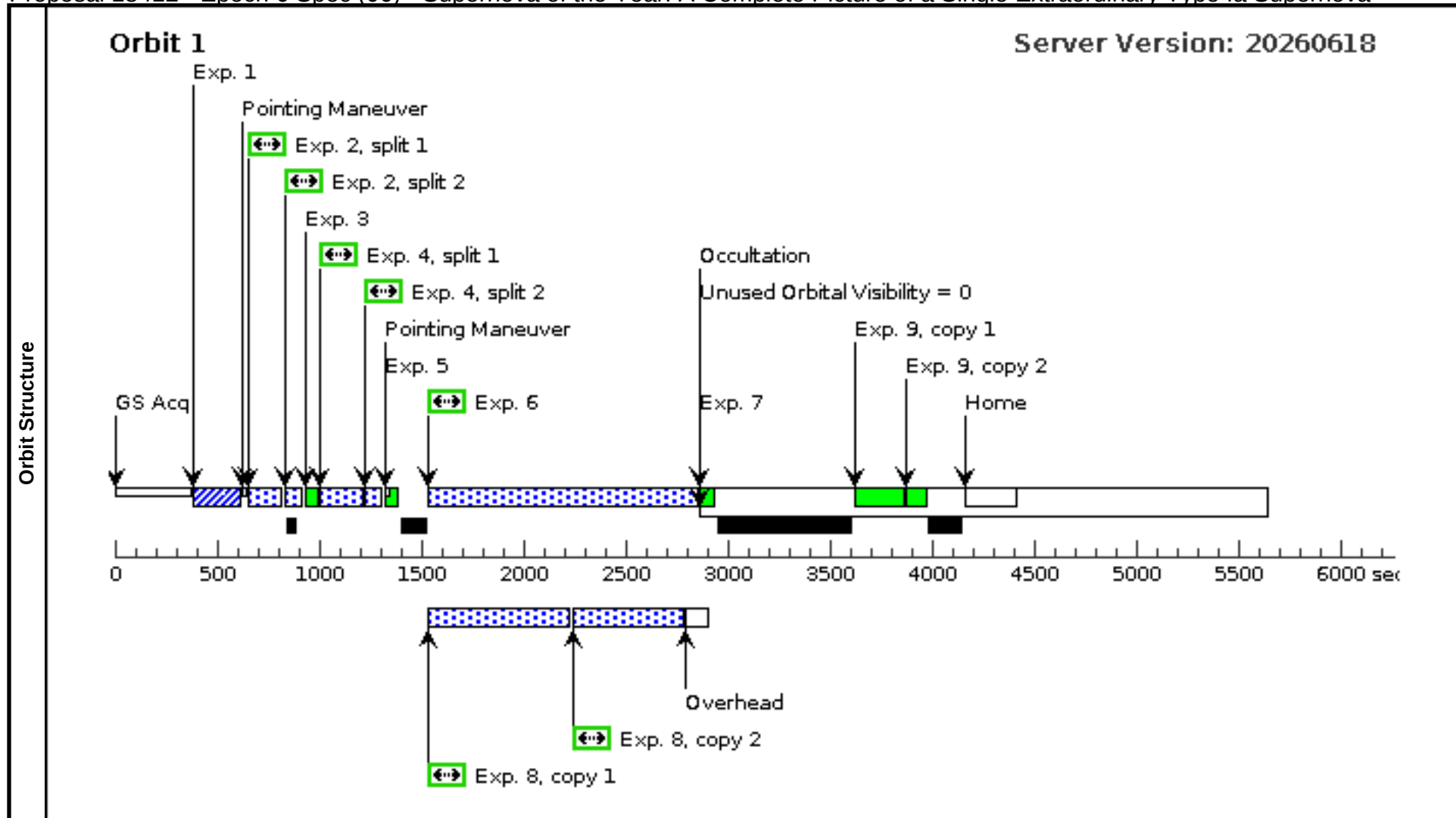
Proposal 18412 - Epoch 5 Spec (05) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Visit	Proposal 18412, Epoch 5 Spec (05), implementation Fri Aug 21 15:00:30 GMT 2026									
	Diagnostic Status: Informational Scientific Instruments: WFC3/UVIS, STIS/NUV-MAMA, STIS/CCD Special Requirements: SCHED 100%; SAME ORIENT AS 01; AFTER 01 BY 8 D TO 10 D; TOO MIN RESPONSE TIME 2.0D; TOO MAX RESPONSE TIME 5.0D									
Diagnos	(Epoch 5 Spec (05)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Generic Targets	#	Name	Criteria	Description						
	(1)	SN-OF-THE-YEAR	ToO	SUPERNOVA TYPE IA						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SN-OF-THE-YE AR	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	Comments:).1 for 14th mag star yields a s/n ~50 Time to saturation is 15 seconds.									
	2		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	3		WAVE	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A				[==>]	[1]
	4		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5		WAVE	STIS/CCD, ACCUM, 52X0.2	G750L 7751 A				[==>]	[1]
	6	(STIS.sp.18 6473)	(1) SN-OF-THE-YE AR	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A	WAVECAL=NO		Prime + Parallel Gro up 6-8 in Epoch 5 Sp ec (05)	1164 Secs (1164 Secs) [==>]	[1]
	7		WAVE	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 6-8 in Epoch 5 Sp ec (05)	[==>]	[1]
	8		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=5		Prime + Parallel Gro up 6-8 in Epoch 5 Sp ec (05)	540 Secs X 2 (1080 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	9		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



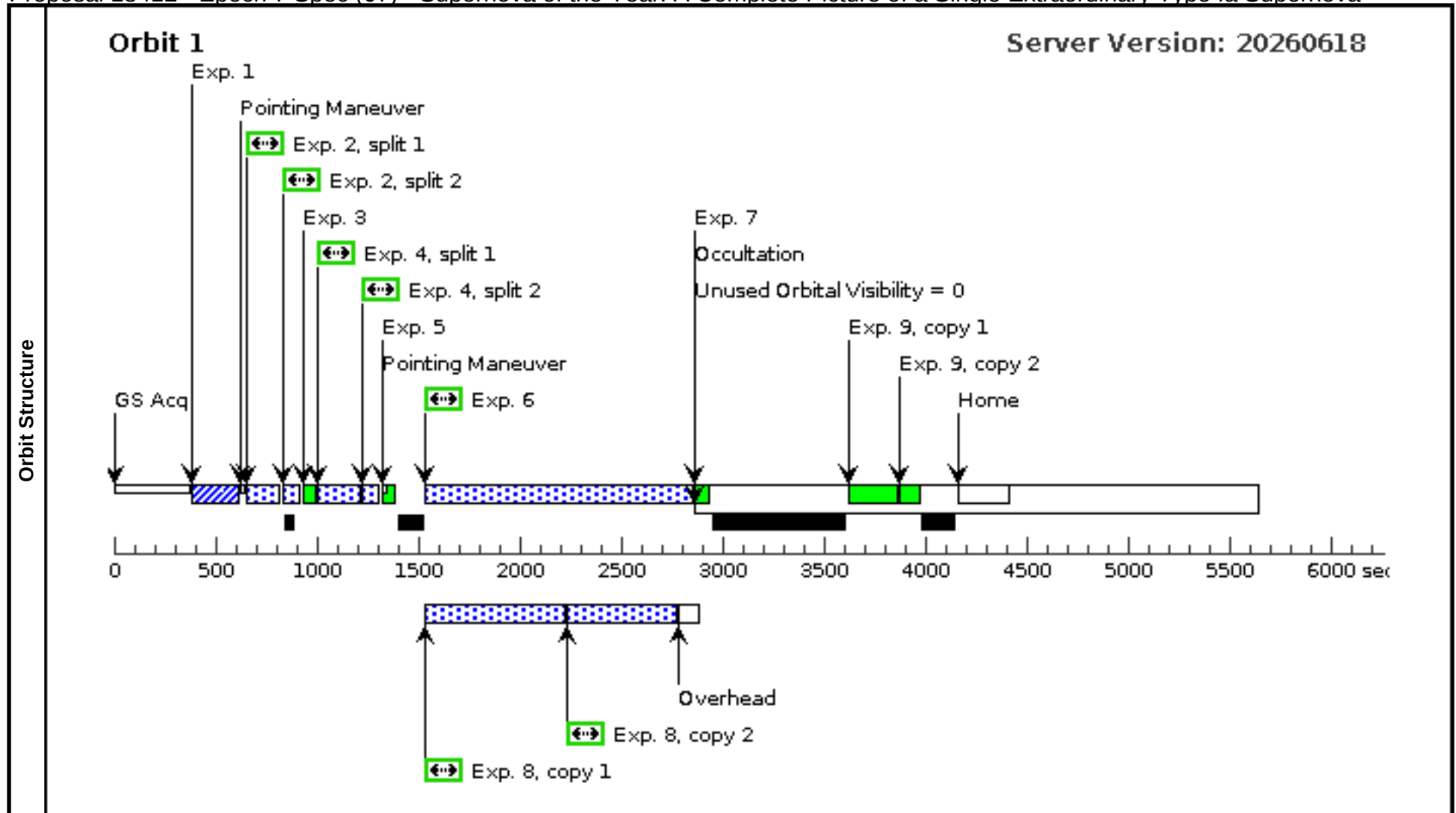
Proposal 18412 - Epoch 6 Spec (06) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Visit	Proposal 18412, Epoch 6 Spec (06), implementation Fri Aug 21 15:00:30 GMT 2026									
	Diagnostic Status: Informational Scientific Instruments: WFC3/UVIS, STIS/NUV-MAMA, STIS/CCD Special Requirements: SCHED 100%; SAME ORIENT AS 01; AFTER 01 BY 11 D TO 13 D; TOO MIN RESPONSE TIME 2.0D; TOO MAX RESPONSE TIME 5.0D									
Diagnos	(Epoch 6 Spec (06)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Generic Targets	#	Name	Criteria		Description					
	(1)	SN-OF-THE-YEAR	ToO		SUPERNOVA TYPE IA					
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SN-OF-THE-YE AR	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	Comments:).1 for 14th mag star yields a s/n ~50 Time to saturation is 15 seconds.									
	2		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	3		WAVE	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A				[==>]	[1]
	4		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5		WAVE	STIS/CCD, ACCUM, 52X0.2	G750L 7751 A				[==>]	[1]
	6	(STIS.sp.18 6473)	(1) SN-OF-THE-YE AR	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A	WAVECAL=NO		Prime + Parallel Gro up 6-8 in Epoch 6 Sp ec (06)	1164 Secs (1164 Secs) [==>]	[1]
	7		WAVE	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 6-8 in Epoch 6 Sp ec (06)	[==>]	[1]
	8		ANY	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=5		Prime + Parallel Gro up 6-8 in Epoch 6 Sp ec (06)	540 Secs X 2 (1080 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	9		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



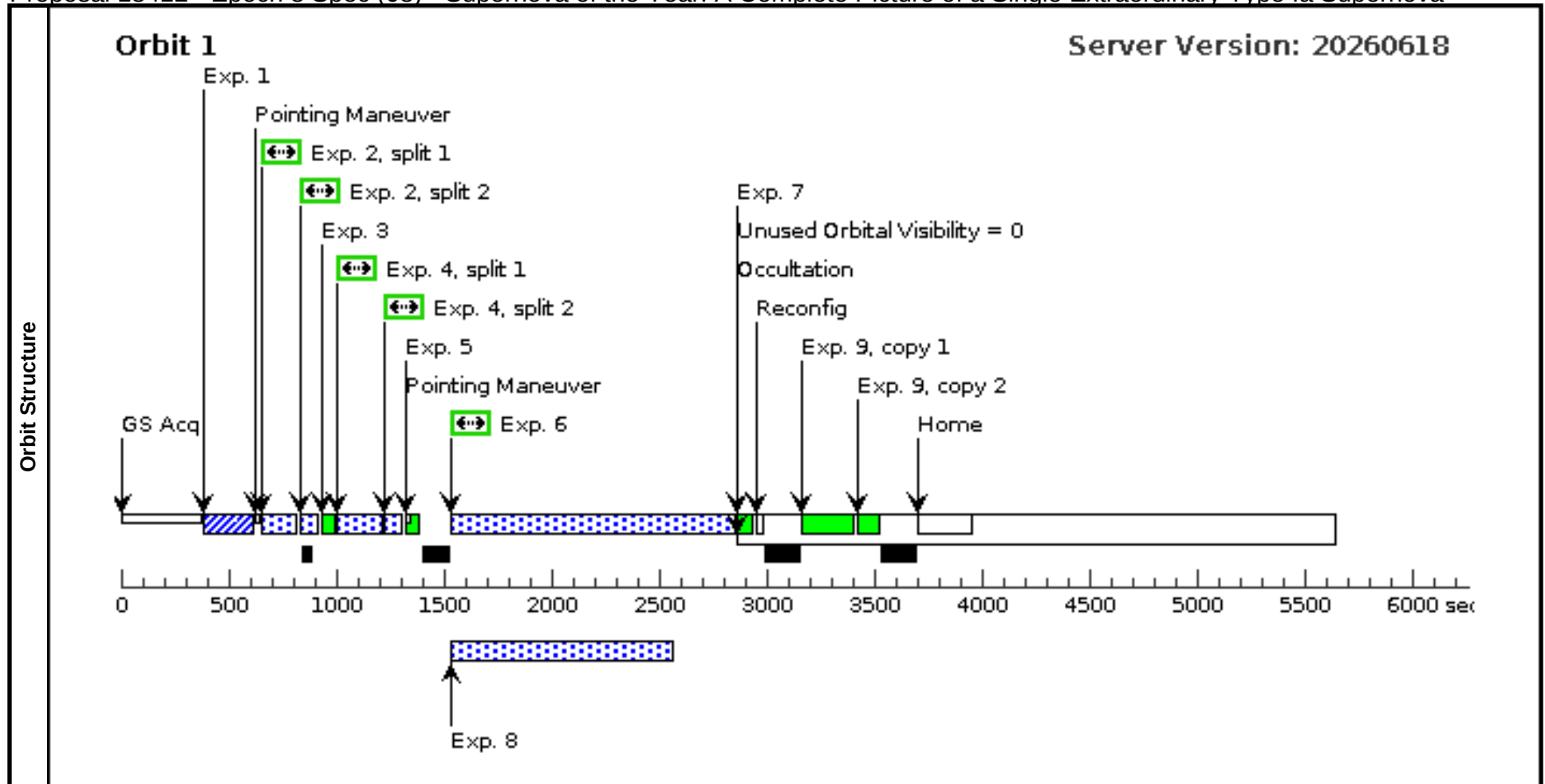
Proposal 18412 - Epoch 7 Spec (07) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Visit	Proposal 18412, Epoch 7 Spec (07), implementation Fri Aug 21 15:00:30 GMT 2026									
	Diagnostic Status: Informational Scientific Instruments: WFC3/UVIS, STIS/NUV-MAMA, STIS/CCD Special Requirements: SCHED 100%; SAME ORIENT AS 01; AFTER 01 BY 14 D TO 16 D; TOO MIN RESPONSE TIME 2.0D; TOO MAX RESPONSE TIME 5.0D									
Diagnos	(Epoch 7 Spec (07)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Generic Targets	#	Name	Criteria		Description					
	(1)	SN-OF-THE-YEAR	ToO		SUPERNOVA TYPE IA					
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SN-OF-THE-YE AR	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	Comments:).1 for 14th mag star yields a s/n ~50 Time to saturation is 15 seconds.									
	2		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	3		WAVE	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A				[==>]	[1]
	4		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5		WAVE	STIS/CCD, ACCUM, 52X0.2	G750L 7751 A				[==>]	[1]
	6	(STIS.sp.18 6473)	(1) SN-OF-THE-YE AR	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A	WAVECAL=NO		Prime + Parallel Gro up 6-8 in Epoch 7 Sp ec (07)	1164 Secs (1164 Secs) [==>]	[1]
	7		WAVE	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 6-8 in Epoch 7 Sp ec (07)	[==>]	[1]
	8		ANY	WFC3/UVIS, ACCUM, UVIS	F350LP			Prime + Parallel Gro up 6-8 in Epoch 7 Sp ec (07)	540 Secs X 2 (1080 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	9		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



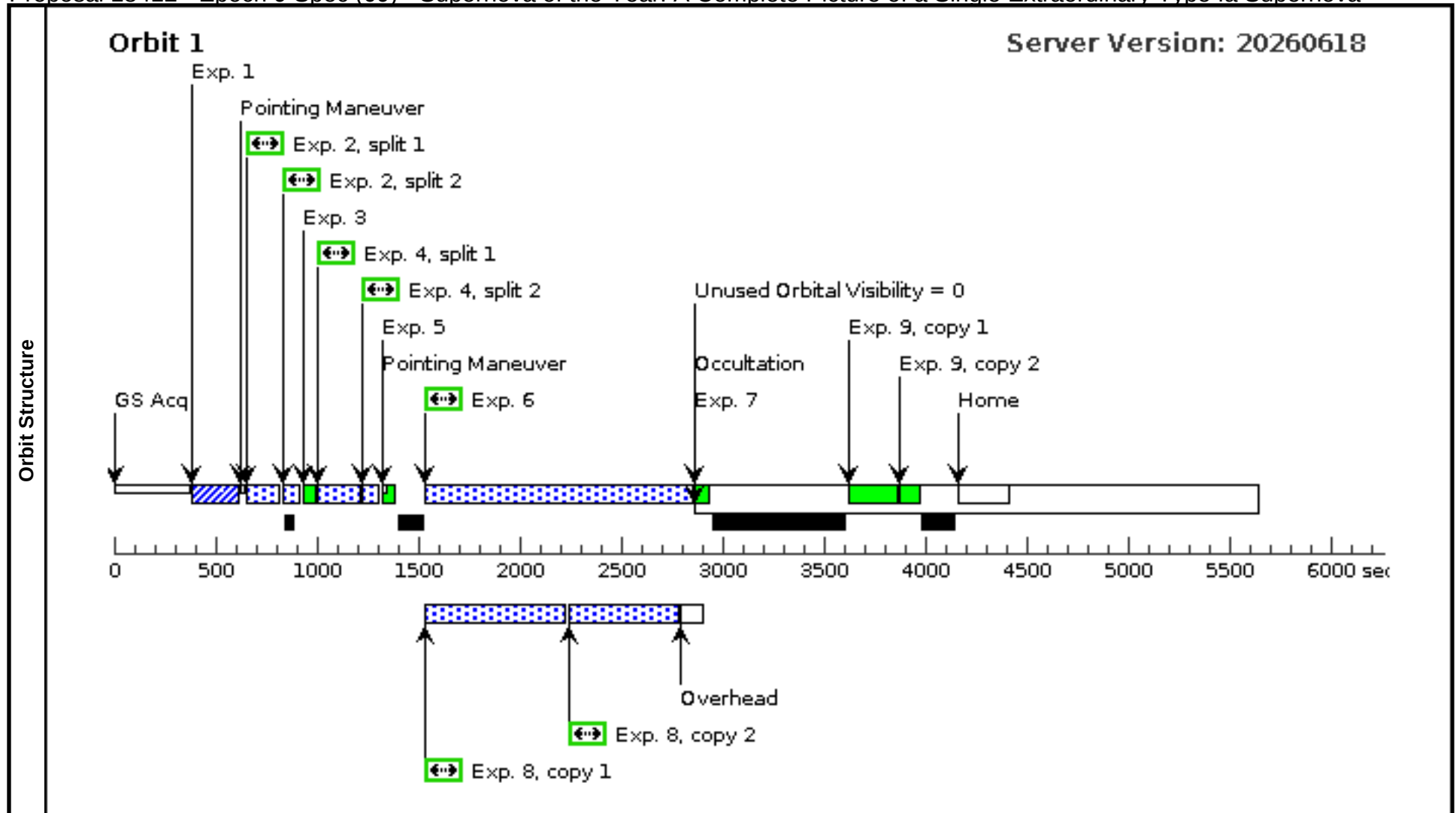
Proposal 18412 - Epoch 8 Spec (08) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Visit	Proposal 18412, Epoch 8 Spec (08), implementation Fri Aug 21 15:00:30 GMT 2026									
	Diagnostic Status: Informational Scientific Instruments: WFC3/IR, STIS/NUV-MAMA, STIS/CCD Special Requirements: SCHED 100%; SAME ORIENT AS 01; AFTER 01 BY 17 D TO 19 D; TOO MIN RESPONSE TIME 2.0D; TOO MAX RESPONSE TIME 5.0D									
Diagnostics	(Epoch 8 Spec (08)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Generic Targets	#	Name	Criteria	Description						
	(1)	SN-OF-THE-YEAR	ToO	SUPERNOVA TYPE IA						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SN-OF-THE-YE AR	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	Comments:).1 for 14th mag star yields a s/n ~50 Time to saturation is 15 seconds.									
	2		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	3		WAVE	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A				[==>]	[1]
	4		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5		WAVE	STIS/CCD, ACCUM, 52X0.2	G750L 7751 A				[==>]	[1]
	6	(STIS.sp.18 6473)	(1) SN-OF-THE-YE AR	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A	WAVECAL=NO		Prime + Parallel Gro up 6-8 in Epoch 8 Sp ec (08)	1164 Secs (1164 Secs) [==>]	[1]
	7		WAVE	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 6-8 in Epoch 8 Sp ec (08)	[==>]	[1]
	8		ANY	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	NSAMP=6; SAMP-SEQ=SPAR S200		Prime + Parallel Gro up 6-8 in Epoch 8 Sp ec (08)	1002.932626 Secs (1002.933 Secs) [==>]	[1]
	9		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 18412 - Epoch 9 Spec (09) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Visit	Proposal 18412, Epoch 9 Spec (09), implementation Fri Aug 21 15:00:30 GMT 2026									
	Diagnostic Status: Informational Scientific Instruments: WFC3/UVIS, STIS/NUV-MAMA, STIS/CCD Special Requirements: SCHED 100%; SAME ORIENT AS 01; AFTER 01 BY 20 D TO 22 D; TOO MIN RESPONSE TIME 2.0D; TOO MAX RESPONSE TIME 5.0D									
Diagnostics	(Epoch 9 Spec (09)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Generic Targets	#	Name	Criteria	Description						
	(1)	SN-OF-THE-YEAR	ToO	SUPERNOVA TYPE IA						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SN-OF-THE-YE AR	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[1]
	Comments:).1 for 14th mag star yields a s/n ~50 Time to saturation is 15 seconds.									
	2		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	3		WAVE	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A				[==>]	[1]
	4		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5		WAVE	STIS/CCD, ACCUM, 52X0.2	G750L 7751 A				[==>]	[1]
	6	(STIS.sp.18 6473)	(1) SN-OF-THE-YE AR	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A	WAVECAL=NO		Prime + Parallel Gro up 6-8 in Epoch 9 Sp ec (09)	1164 Secs (1164 Secs) [==>]	[1]
	7		WAVE	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 6-8 in Epoch 9 Sp ec (09)	[==>]	[1]
	8		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=5		Prime + Parallel Gro up 6-8 in Epoch 9 Sp ec (09)	540 Secs X 2 (1080 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	9		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]

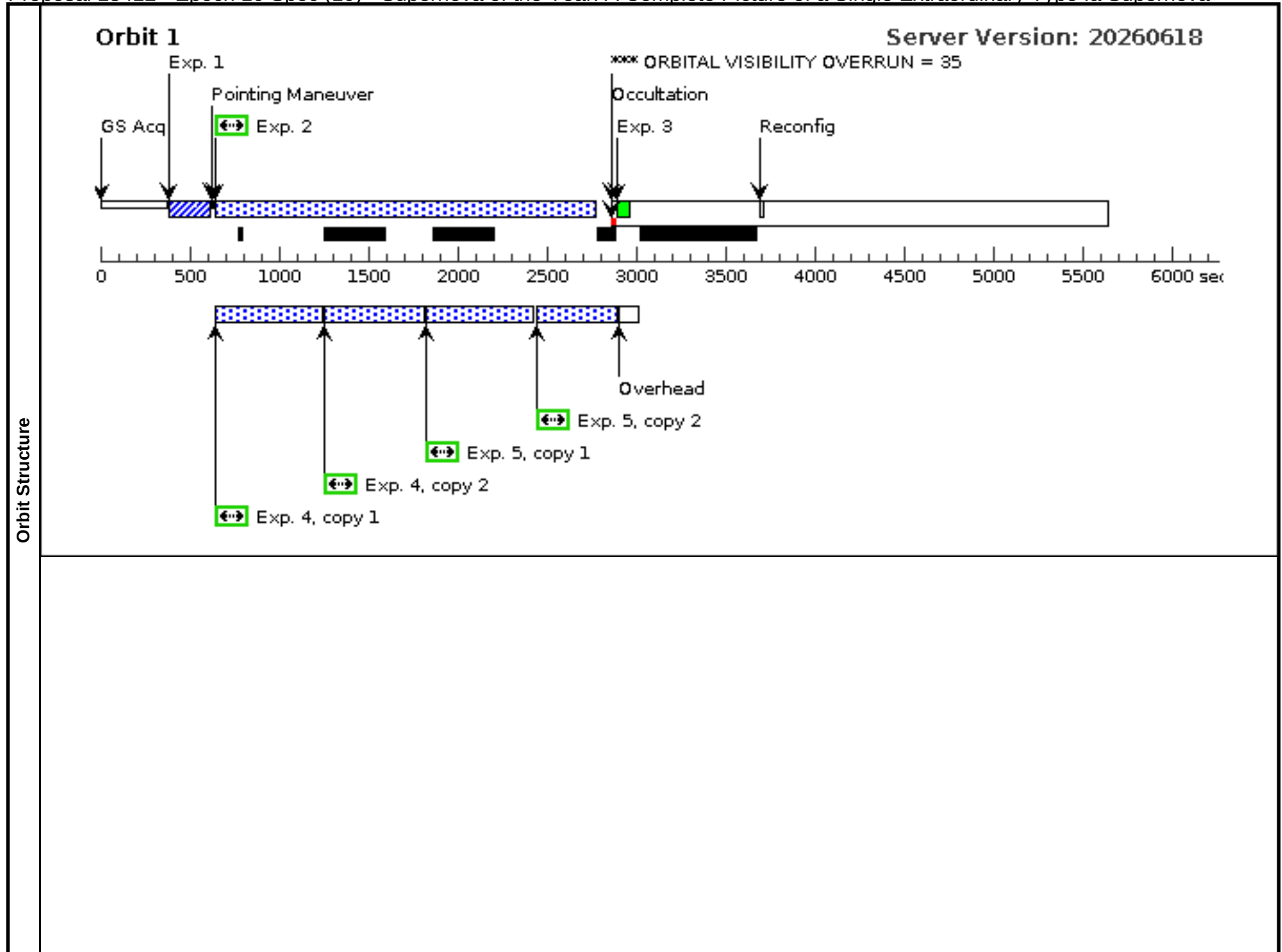


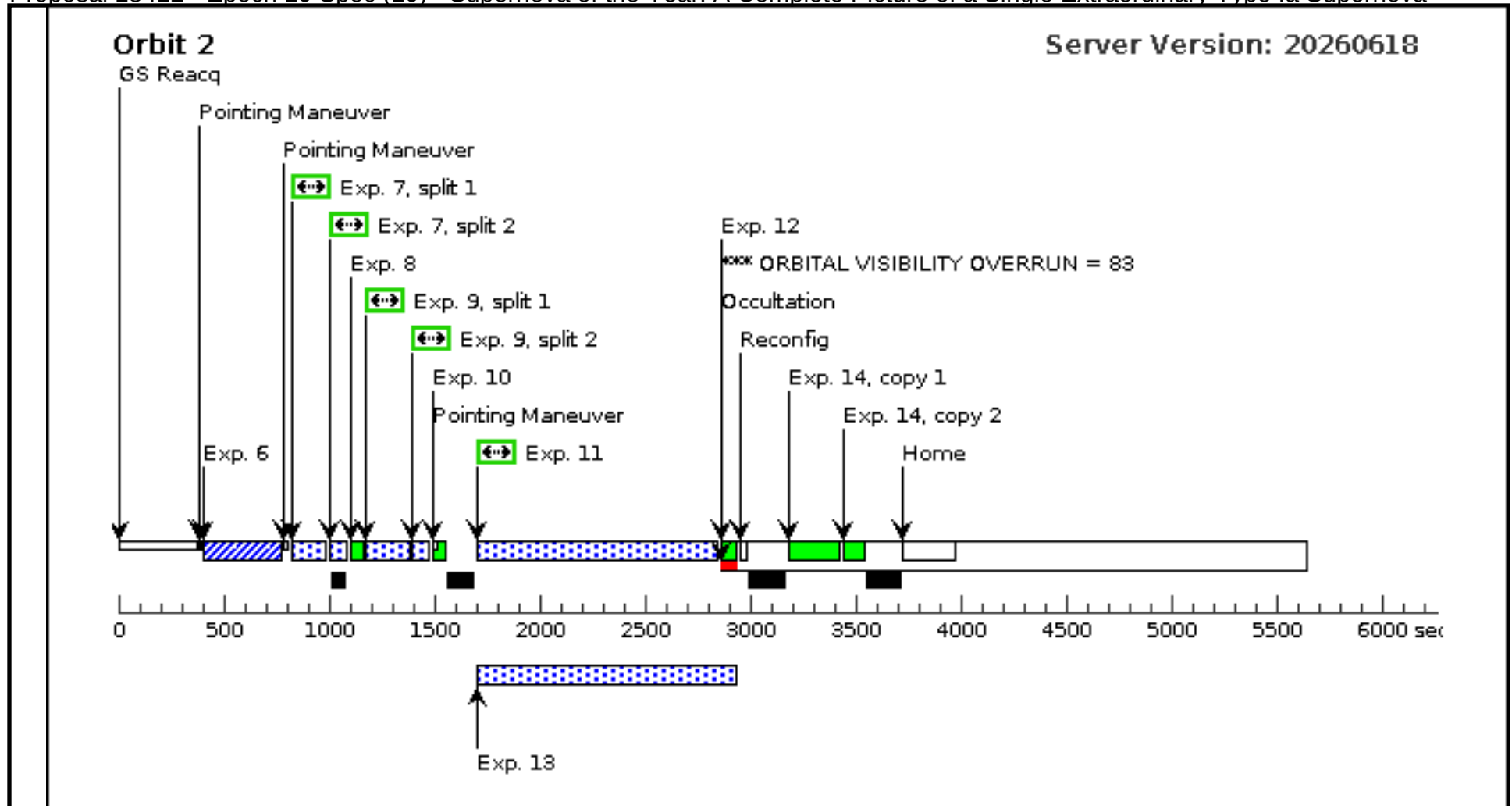
Proposal 18412 - Epoch 10 Spec (10) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Visit	Proposal 18412, Epoch 10 Spec (10), implementation			Fri Aug 21 15:00:30 GMT 2026
	Diagnostic Status: Warning			
	Scientific Instruments: WFC3/IR, WFC3/UVIS, STIS/NUV-MAMA, STIS/CCD			
Diagnostics	Special Requirements: SCHED 100%; SAME ORIENT AS 01; AFTER 01 BY 26 D TO 32 D; TOO MIN RESPONSE TIME 2.0D; TOO MAX RESPONSE TIME 5.0D			
	(Epoch 10 Spec (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN			
	(Epoch 10 Spec (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN			
	(Epoch 10 Spec (10)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.			
Generic Targets	#	Name	Criteria	Description
	(1)	SN-OF-THE-YEAR	ToO	SUPERNOVA TYPE IA

Proposal 18412 - Epoch 10 Spec (10) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SN-OF-THE-YE AR	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 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-OF-THE-YE AR	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A	WAVECAL=NO	POS TARG 0.0,0.5	Prime + Parallel Gro up 2-5 in Epoch 10 S pec (10)	2000 Secs (2000 Secs) [==>]	[1]
	3		WAVE	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 2-5 in Epoch 10 S pec (10)	[==>]	[1]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F350LP			Prime + Parallel Gro up 2-5 in Epoch 10 S pec (10)	450 Secs X 2 (900 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=10		Prime + Parallel Gro up 2-5 in Epoch 10 S pec (10)	450 Secs X 2 (900 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	6		(1) SN-OF-THE-YE AR	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs (0.1 Secs) [==>]	[2]
	Comments:).1 for 14th mag star yields a s/n ~50 Time to saturation is 15 seconds.									
	7		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G430L 4300 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[2]
	8		WAVE	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A				[==>]	[2]
	9		(1) SN-OF-THE-YE AR	STIS/CCD, ACCUM, 52X0.2E1	G750L 7751 A	CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[2]
	10		WAVE	STIS/CCD, ACCUM, 52X0.2	G750L 7751 A				[==>]	[2]
	11	(STIS.sp.18 6473)	(1) SN-OF-THE-YE AR	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 11-13 in Epoch 1 0 Spec (10)	1000 Secs (1000 Secs) [==>]	[2]
	12		WAVE	STIS/NUV-MAMA, ACCUM, 52X0.2	G230L 2376 A			Prime + Parallel Gro up 11-13 in Epoch 1 0 Spec (10)	[==>]	[2]
	13		ANY	WFC3/IR, MULTIACCUM, IR-UVIS	F160W	NSAMP=7; SAMP-SEQ=SPAR S200		Prime + Parallel Gro up 11-13 in Epoch 1 0 Spec (10)	1202.932693 Secs (1202.933 Secs) [==>]	[2]
	14		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[2]





Proposal 18412 - Epoch 11 Image (21) - Supernova of the Year: A Complete Picture of a Single Extraordinary Type Ia Supernova

Visit	Proposal 18412, Epoch 11 Image (21), implementation Fri Aug 21 15:00:30 GMT 2026			
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 11; AFTER 01 BY 44 D TO 52 D; ON HOLD <i>On Hold Comments: ToO</i>			
Diagnostics	(Epoch 11 Image (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Epoch 11 Image (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Epoch 11 Image (21)) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME (Epoch 11 Image (21)) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME (Epoch 11 Image (21)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.			
Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(1-3)
Generic Targets	#	Name	Criteria	Description
	(1)	SN-OF-THE-YEAR	ToO	SUPERNOVA TYPE IA

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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SN-OF-THE-YE AR	WFC3/IR, MULTIACCUM, IRSUB512	F125W	NSAMP=8; SAMP-SEQ=STEP2 5		Sequence 1-3 Non-Int in Epoch 11 Image (21) Pattern 2, Exps 1-3 in Sequence 1-3 Non-Int in Epoch 11 Image (21) (2)	82.597144 Secs (165.194 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(1) SN-OF-THE-YE AR	WFC3/IR, MULTIACCUM, IRSUB512	F140W	NSAMP=10; SAMP-SEQ=STEP2 5		Sequence 1-3 Non-Int in Epoch 11 Image (21) Pattern 2, Exps 1-3 in Sequence 1-3 Non-Int in Epoch 11 Image (21) (2)	128.439646 Secs (256.879 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(1) SN-OF-THE-YE AR	WFC3/IR, MULTIACCUM, IRSUB512	F160W	NSAMP=10; SAMP-SEQ=STEP2 5		Sequence 1-3 Non-Int in Epoch 11 Image (21) Pattern 2, Exps 1-3 in Sequence 1-3 Non-Int in Epoch 11 Image (21) (2)	128.439646 Secs (256.879 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F218W	FLASH=20		Prime + Parallel Group 4-11 in Epoch 11 Image (21)	650 Secs (650 Secs) [==>]	[1]
	5		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F225W	FLASH=20		Prime + Parallel Group 4-11 in Epoch 11 Image (21)	134 Secs (134 Secs) [==>]	[1]
	6		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	FLASH=20		Prime + Parallel Group 4-11 in Epoch 11 Image (21)	16 Secs (16 Secs) [==>]	[1]
	7		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F300X	FLASH=20		Prime + Parallel Group 4-11 in Epoch 11 Image (21)	4 Secs (4 Secs) [==>]	[1]
	8		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F336W	FLASH=20		Prime + Parallel Group 4-11 in Epoch 11 Image (21)	100 Secs (100 Secs) [==>]	[1]
	9		ANY	ACS/WFC, ACCUM, WFC2-FIX	F850LP			Prime + Parallel Group 4-11 in Epoch 11 Image (21)	350 Secs (350 Secs) [==>]	[1]
	10		ANY	ACS/WFC, ACCUM, WFC2-FIX	F555W			Prime + Parallel Group 4-11 in Epoch 11 Image (21)	350 Secs (350 Secs) [==>]	[1]
	11		ANY	ACS/WFC, ACCUM, WFC2-FIX	F814W			Prime + Parallel Group 4-11 in Epoch 11 Image (21)	350 Secs (350 Secs) [==>]	[1]
	12		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F218W	FLASH=20		Prime + Parallel Group 12-19 in Epoch 11 Image (21)	650 Secs X 2 (1300 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]
	13		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F225W	FLASH=20		Prime + Parallel Group 12-19 in Epoch 11 Image (21)	134 Secs (134 Secs) [==>]	[2]
	14		(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	FLASH=20		Prime + Parallel Group 12-19 in Epoch 11 Image (21)	16 Secs (16 Secs) [==>]	[2]

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15	(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F300X	FLASH=20	Prime + Parallel Gro up 12-19 in Epoch 1 1 Image (21)	4 Secs (4 Secs) [==>]	[2]
16	(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F336W	FLASH=20	Prime + Parallel Gro up 12-19 in Epoch 1 1 Image (21)	100 Secs (100 Secs) [==>]	[2]
17	ANY	ACS/WFC, ACCUM, WFC2-FIX	F850LP		Prime + Parallel Gro up 12-19 in Epoch 1 1 Image (21)	350 Secs X 2 (700 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]
18	ANY	ACS/WFC, ACCUM, WFC2-FIX	F555W		Prime + Parallel Gro up 12-19 in Epoch 1 1 Image (21)	350 Secs X 2 (700 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]
19	ANY	ACS/WFC, ACCUM, WFC2-FIX	F814W		Prime + Parallel Gro up 12-19 in Epoch 1 1 Image (21)	350 Secs X 2 (700 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]
20	(1) SN-OF-THE-YE AR	WFC3/UVIS, ACCUM, UVIS2-FIX	F336W	FLASH=20	POS TARG 0.099,0. 106	50 Secs (50 Secs) [==>]	[2]

