



13737 - Whimper of a Bang: Documenting the Final Days of the Nearby Type Ia Supernova 2011fe

Cycle: 22, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(2) SN-2011FE-OUTER ANY	ACS/WFC WFC3/IR WFC3/UVIS	4	11-May-2015 11:08:23.0	yes
02	(1) SN-2011FE-CEPHF1 ANY	ACS/WFC WFC3/IR WFC3/UVIS	5	11-May-2015 11:08:31.0	yes
03	(3) SN-2011FE-CEPHF2 ANY	ACS/WFC WFC3/UVIS	4	11-May-2015 11:08:37.0	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>
04	(3) SN-2011FE-CEPHF2 ANY	ACS/WFC WFC3/IR WFC3/UVIS	3	11-May-2015 11:08:42.0	yes

16 Total Orbits Used

ABSTRACT

Even though SNe Ia are crucial to cosmological studies as distance indicators, the exact nature of these systems remains theoretically ambiguous and observationally elusive. However, there is a new hope. Due to nucleosynthetic effects during explosion, single and double degenerate SNe Ia models are predicted to produce vastly differing amounts ^{57}Co and ^{55}Fe . ^{57}Co and ^{55}Fe dominate the power of the very late time light curves of SNe Ia at ~ 1050 days and ~ 1500 after the initial explosion, respectively. Broad band observations of the bolometric luminosity at these epochs have the ability to measure the ratio of these two isotopes and thus discriminate between progenitor models. As the brightest SN Ia in nearly 40 years, SN 2011fe offers a prime opportunity to follow a SN Ia to such late epochs. Here we propose HST WFC3 optical and IR photometry of SN 2011fe to observe the transition from a ^{56}Co powered lightcurve to a ^{57}Co powered one. These observations will place unique constraints on progenitor systems of SNe Ia. SN 2011fe is likely to remain the best studied normal SN Ia of our generation and if these observations are not made this cycle, they will likely never be done with Hubble because this measurement will not be possible next cycle for SN 2011fe.

Proposal 13737 - First Epoch (01) - Whimper of a Bang: Documenting the Final Days of the Nearby Type Ia Supernova 2011fe

Visit	Proposal 13737, First Epoch (01), completed Mon May 11 15:08:44 GMT 2015				
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 18D TO 53 D; BETWEEN 01-OCT-2014:00:00:00 AND 20-OCT-2014:00:00:00				
Diagnostics	(First Epoch (01)) Warning (Orbit Planner): PATTERN AND COORDINATED PARALLEL MISMATCH				
	(First Epoch (01)) Warning (Orbit Planner): PATTERN AND COORDINATED PARALLEL MISMATCH				
	(First Epoch (01)) Warning (Orbit Planner): PATTERN AND COORDINATED PARALLEL MISMATCH				
	(First Epoch (01)) Warning (Orbit Planner): PATTERN AND COORDINATED PARALLEL MISMATCH				
	(First Epoch (01)) Warning (Orbit Planner): PATTERN AND COORDINATED PARALLEL MISMATCH				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-6)
	(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		(7-10)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(2)	SN-2011FE-OUTER	RA: 14 03 6.1357 (210.7755654d) Dec: +54 15 57.76 (54.26604d) Equinox: J2000		V=25.5+/-1.0
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13737 - First Epoch (01) - Whimper of a Bang: Documenting the Final Days of the Nearby Type Ia Supernova 2011fe

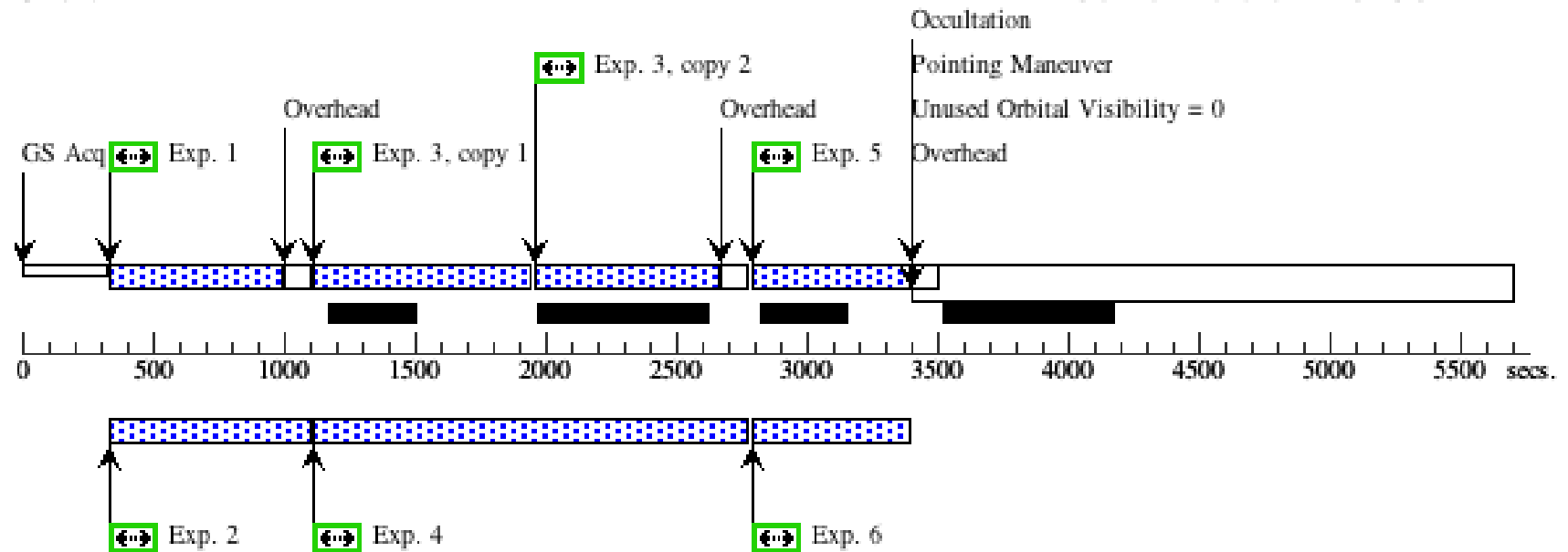
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3_F438W	(2) SN-2011FE-OUT ER	WFC3/UVIS, ACCUM, UVIS	F438W			Pattern 1, Exps 1-6 in First Epoch (01) (1)	500 Secs (1998 Secs)	
									[==>626.0 Secs (Pattern 1)]	[1]
								Prime + Parallel Group 1-2 in Pattern 1, Exps 1-6 in First Epoch (01)	[==>686.0 Secs (Pattern 2)]	[2]
									[==>686.0 Secs (Pattern 3)]	[3]
	2	ACS_F555W	ANY	ACS/WFC, ACCUM, WFC	F555W			Pattern 1, Exps 1-6 in First Epoch (01) (1)	440 Secs (1884 Secs)	
									[==>566.0 Secs (Pattern 1)]	[1]
								Prime + Parallel Group 1-2 in Pattern 1, Exps 1-6 in First Epoch (01)	[==>659.0 Secs (Pattern 2)]	[2]
									[==>659.0 Secs (Pattern 3)]	[3]
	3	WFC3-F600LP	(2) SN-2011FE-OUT ER	WFC3/UVIS, ACCUM, UVIS	F600LP			Pattern 1, Exps 1-6 in First Epoch (01) (1)	700 Secs X 2 (4200 Secs)	
									[==>(Pattern 1, Copy 1)]	[1]
								Prime + Parallel Group 3-4 in Pattern 1, Exps 1-6 in First Epoch (01)	[==>(Pattern 1, Copy 2)]	
									[==>(Pattern 2, Copy 1)]	[2]
									[==>(Pattern 2, Copy 2)]	
									[==>(Pattern 3, Copy 1)]	[3]
									[==>(Pattern 3, Copy 2)]	
	4	ACS_F435W	ANY	ACS/WFC, ACCUM, WFC	F435W			Pattern 1, Exps 1-6 in First Epoch (01) (1)	1350 Secs (4464 Secs)	
									[==>1488.0 Secs (Pattern 1)]	[1]
								Prime + Parallel Group 3-4 in Pattern 1, Exps 1-6 in First Epoch (01)	[==>1488.0 Secs (Pattern 2)]	[2]
									[==>1488.0 Secs (Pattern 3)]	[3]
	5	WFC3_F555W	(2) SN-2011FE-OUT ER	WFC3/UVIS, ACCUM, UVIS	F555W			Pattern 1, Exps 1-6 in First Epoch (01) (1)	450 Secs (1848 Secs)	
									[==>576.0 Secs (Pattern 1)]	[1]
								Prime + Parallel Group 5-6 in Pattern 1, Exps 1-6 in First Epoch (01)	[==>636.0 Secs (Pattern 2)]	[2]
									[==>636.0 Secs (Pattern 3)]	[3]
	6	ACS_F814W	ANY	ACS/WFC, ACCUM, WFC	F814W			Pattern 1, Exps 1-6 in First Epoch (01) (1)	350 Secs (1491 Secs)	
									[==>457.0 Secs (Pattern 1)]	[1]
								Prime + Parallel Group 5-6 in Pattern 1, Exps 1-6 in First Epoch (01)	[==>517.0 Secs (Pattern 2)]	[2]
									[==>517.0 Secs (Pattern 3)]	[3]
	7	WFC3-F160W	(2) SN-2011FE-OUT ER	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100; NSAMP=13		Pattern 2, Exps 7-10 in First Epoch (01) (2)	699.232615 Secs (1398.465 Secs)	
								Prime + Parallel Group 7-8 in Pattern 2, Exps 7-10 in First Epoch (01)	[==>(Pattern 1)]	[4]
									[==>(Pattern 2)]	

Proposal 13737 - First Epoch (01) - Whimper of a Bang: Documenting the Final Days of the Nearby Type Ia Supernova 2011fe

8	ACS_F658 N	ANY	ACS/WFC, ACCUM, WFC	F658N		Pattern 2, Exps 7-10 in First Epoch (01) (2) Prime + Parallel Group 7-8 in Pattern 2, Exps 7-10 in First Epoch (01)	440 Secs (1163 Secs)	
							[==>560.0 Secs (Pattern 1)] [==>603.0 Secs (Pattern 2)]	[4]
9	WFC3-F110 W	(2) SN-2011FE-OUT ER	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP100; NSAMP=14	Pattern 2, Exps 7-10 in First Epoch (01) (2) Prime + Parallel Group 9-10 in Pattern 2, Exps 7-10 in First Epoch (01)	799.232938 Secs (1598.466 Secs)	
							[==>(Pattern 1)] [==>(Pattern 2)]	[4]
10	ACS_F658 N	ANY	ACS/WFC, ACCUM, WFC	F658N		Pattern 2, Exps 7-10 in First Epoch (01) (2) Prime + Parallel Group 9-10 in Pattern 2, Exps 7-10 in First Epoch (01)	440 Secs (1406 Secs)	
							[==>703.0 Secs (Pattern 1)] [==>703.0 Secs (Pattern 2)]	[4]

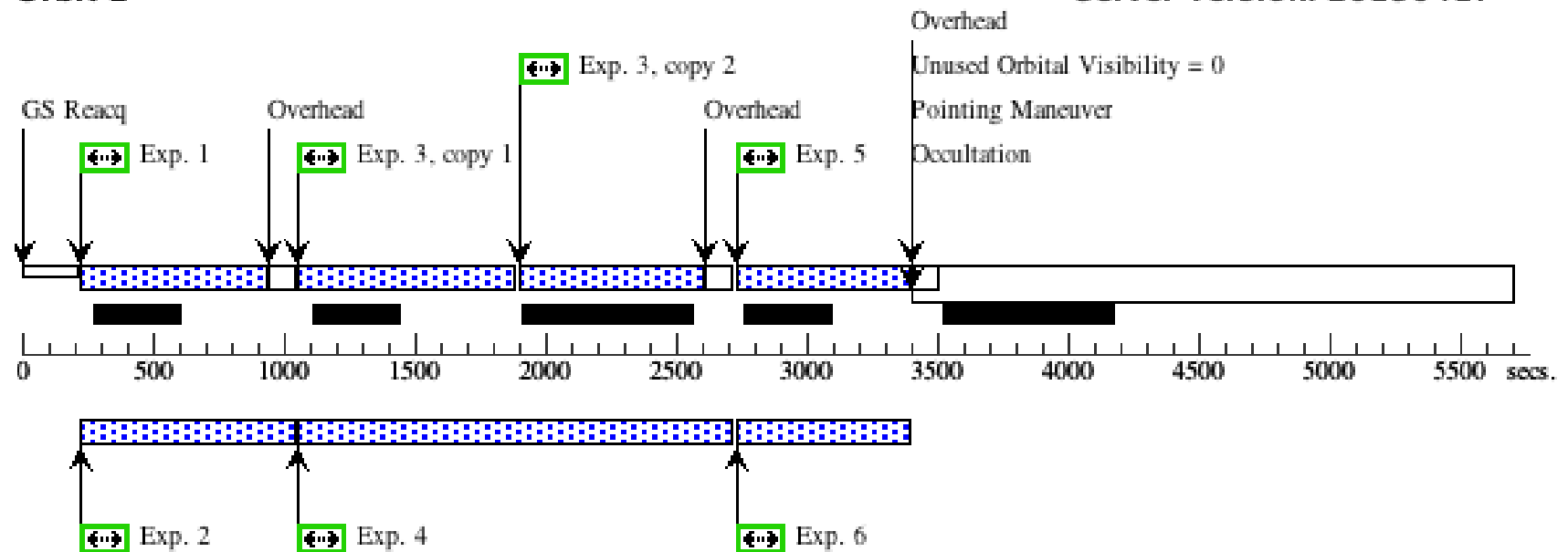
Orbit 1

Server Version: 20150417



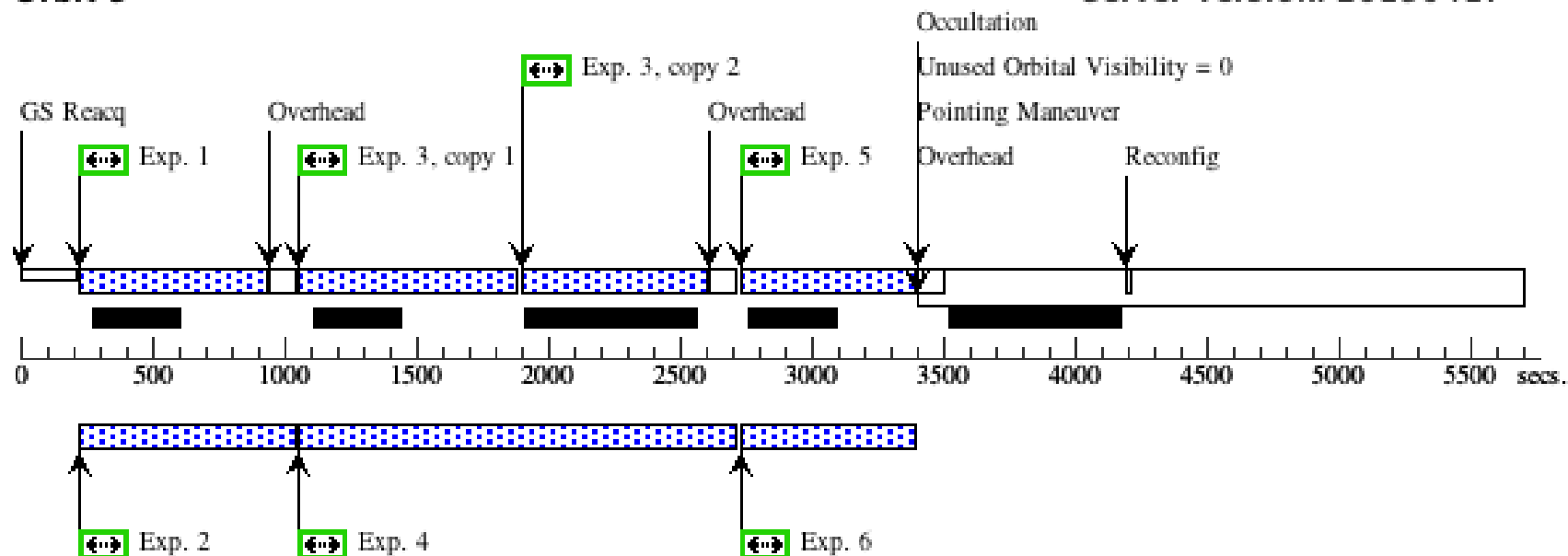
Orbit 2

Server Version: 20150417



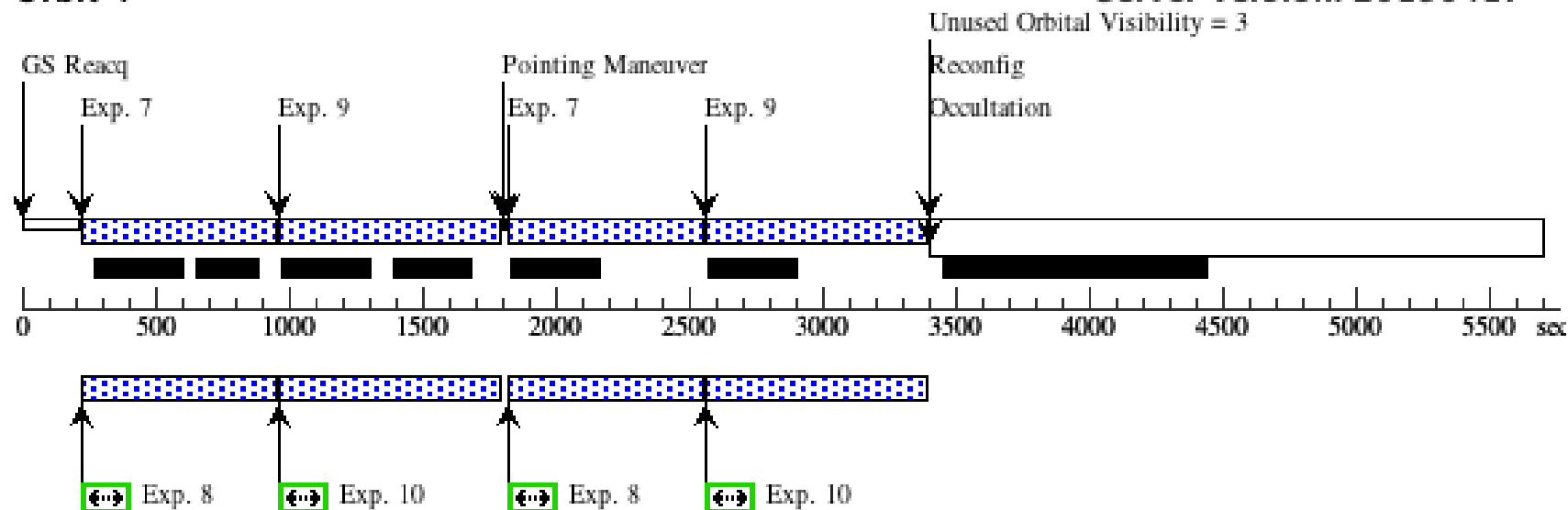
Orbit 3

Server Version: 20150417



Orbit 4

Server Version: 20150417



Proposal 13737 - Second Epoch (02) - Whimper of a Bang: Documenting the Final Days of the Nearby Type Ia Supernova 2011fe

Visit	Proposal 13737, Second Epoch (02), completed				Mon May 11 15:08:45 GMT 2015	
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC					
	Special Requirements: ORIENT 162D TO 178 D; BETWEEN 25-MAR-2015:00:00:00 AND 09-APR-2015:00:00:00					
Comments: Needed to reduce the last parallel exposure on the 4th orbit to make the 5th orbit not need a buffer dump.						
Diagnostics	(Second Epoch (02)) Warning (Orbit Planner): PATTERN AND COORDINATED PARALLEL MISMATCH					
	(Second Epoch (02)) Warning (Orbit Planner): PATTERN AND COORDINATED PARALLEL MISMATCH					
	(Second Epoch (02)) Warning (Orbit Planner): PATTERN AND COORDINATED PARALLEL MISMATCH					
	(Second Epoch (02)) Warning (Orbit Planner): PATTERN AND COORDINATED PARALLEL MISMATCH					
Patterns	#	Primary Pattern		Secondary Pattern	Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2), (3-6)	
	(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		(7-10)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	SN-2011FE-CEPHF1	RA: 14 03 2.9896 (210.7624567d) Dec: +54 16 51.96 (54.28110d) Equinox: J2000		V=25.5+/-1.0	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.						

Proposal 13737 - Second Epoch (02) - Whimper of a Bang: Documenting the Final Days of the Nearby Type Ia Supernova 2011fe

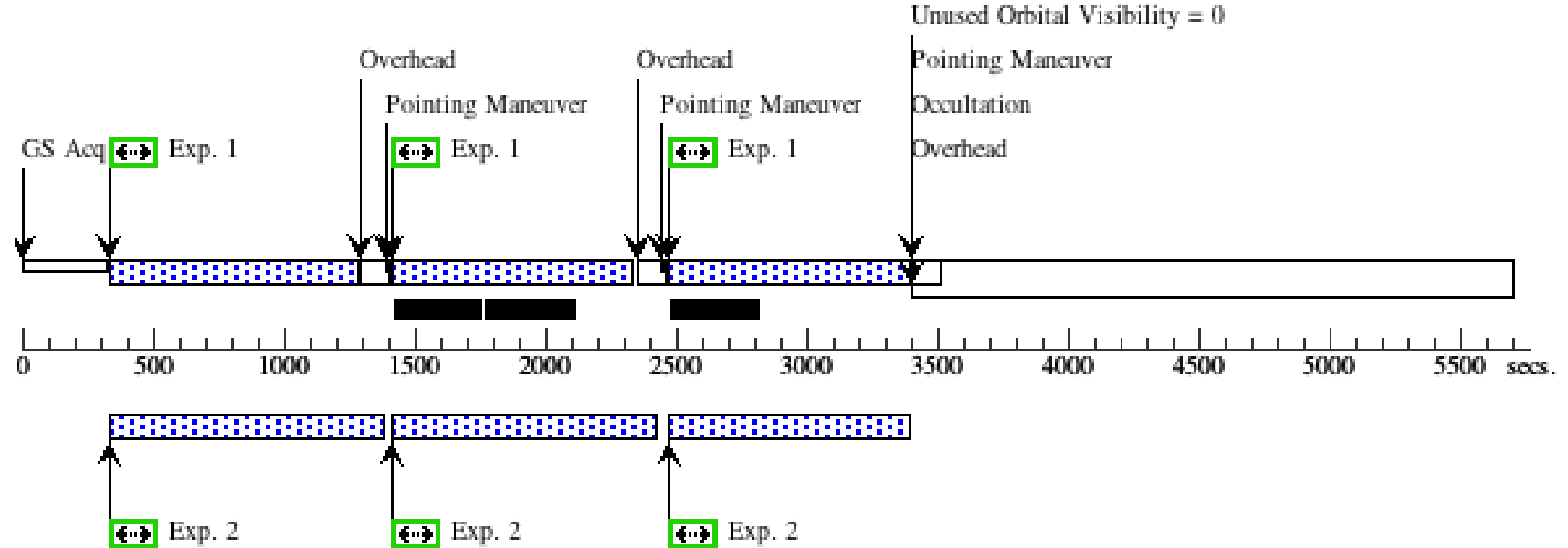
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3_F43 8W	(1) SN-2011FE-CEP HF1	WFC3/UVIS, ACCUM, UVIS	F438W	FLASH=5.0	GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-2 i n Second Epoch (02) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in Second Ep och (02)	800 Secs (2768 Secs) [==>922.0 Secs (Pattern 1)] [==>923.0 Secs (Pattern 2)] [==>923.0 Secs (Pattern 3)]	[1]
	Comments: Added 5 e- flash to avoid CTE effects. ETC estimated an electron count of 7.6 e- given the filter, exp time, RA and Dec, and rough date of the exposures.									
	2	ACS_F814 W	ANY	ACS/WFC, ACCUM, WFC	F814W			Pattern 1, Exps 1-2 i n Second Epoch (02) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in Second Ep och (02)	600 Secs (2522 Secs) [==>840.0 Secs (Pattern 1)] [==>890.0 Secs (Pattern 2)] [==>792.0 Secs (Pattern 3)]	[1]
	3	WFC3_F55 5W	(1) SN-2011FE-CEP HF1	WFC3/UVIS, ACCUM, UVIS	F555W			Pattern 1, Exps 3-6 i n Second Epoch (02) (1) Prime + Parallel Gro up 3-4 in Pattern 1, E xps 3-6 in Second Ep och (02)	850 Secs (3247 Secs) [==>1085.0 Secs (Pattern 1)] [==>1085.0 Secs (Pattern 2)] [==>1077.0 Secs (Pattern 3)]	[2] [3] [4]
	4	ACS_F555 W	ANY	ACS/WFC, ACCUM, WFC	F555W			Pattern 1, Exps 3-6 i n Second Epoch (02) (1) Prime + Parallel Gro up 3-4 in Pattern 1, E xps 3-6 in Second Ep och (02)	700 Secs (3124 Secs) [==>1046.0 Secs (Pattern 1)] [==>1039.0 Secs (Pattern 2)] [==>1039.0 Secs (Pattern 3)]	[2] [3] [4]
	5	WFC3-F600 LP	(1) SN-2011FE-CEP HF1	WFC3/UVIS, ACCUM, UVIS	F600LP			Pattern 1, Exps 3-6 i n Second Epoch (02) (1) Prime + Parallel Gro up 5-6 in Pattern 1, E xps 3-6 in Second Ep och (02)	900 Secs X 2 (5372 Secs) [==>894.0 Secs (Pattern 1, Copy 1)] [==>894.0 Secs (Pattern 1, Copy 2)] [==>894.0 Secs (Pattern 2, Copy 1)] [==>894.0 Secs (Pattern 2, Copy 2)] [==>898.0 Secs (Pattern 3, Copy 1)] [==>898.0 Secs (Pattern 3, Copy 2)]	[2] [3] [4]

Proposal 13737 - Second Epoch (02) - Whimper of a Bang: Documenting the Final Days of the Nearby Type Ia Supernova 2011fe

6	ACS_F435W	ANY	ACS/WFC, ACCUM, WFC	F435W		Pattern 1, Exps 3-6 in Second Epoch (02) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 3-6 in Second Epoch (02)	650 Secs X 2 (4614 Secs)	
							[==>814.0 Secs (Pattern 1, Copy 1)]	[2]
							[==>814.0 Secs (Pattern 1, Copy 2)]	
							[==>808.0 Secs (Pattern 2, Copy 1)]	[3]
							[==>808.0 Secs (Pattern 2, Copy 2)]	
[==>650.0 Secs (Pattern 3, Copy 1)]	[4]							
[==>720.0 Secs (Pattern 3, Copy 2)]								
7	WFC3-F160W	(1) SN-2011FE-CEP HF1	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100; NSAMP=13	Pattern 2, Exps 7-10 in Second Epoch (02) (2) Prime + Parallel Group 7-8 in Pattern 2, Exps 7-10 in Second Epoch (02)	699.232615 Secs (1398.465 Secs)	
							[==>(Pattern 1)]	[5]
[==>(Pattern 2)]								
8	ACS_F658N	ANY	ACS/WFC, ACCUM, WFC	F658N	FLASH=15	Pattern 2, Exps 7-10 in Second Epoch (02) (2) Prime + Parallel Group 7-8 in Pattern 2, Exps 7-10 in Second Epoch (02)	440 Secs (1143 Secs)	
							[==>546.0 Secs (Pattern 1)]	[5]
							[==>597.0 Secs (Pattern 2)]	
Comments: Added 15 e- flash to avoid CTE effects. ETC estimated an electron count of 5.9 e- given the filter, exp time, RA and Dec, and rough date of the exposures.								
9	WFC3-F110W	(1) SN-2011FE-CEP HF1	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP100; NSAMP=14	Pattern 2, Exps 7-10 in Second Epoch (02) (2) Prime + Parallel Group 9-10 in Pattern 2, Exps 7-10 in Second Epoch (02)	799.232938 Secs (1598.466 Secs)	
							[==>(Pattern 1)]	[5]
[==>(Pattern 2)]								
10	ACS_F658N	ANY	ACS/WFC, ACCUM, WFC	F658N		Pattern 2, Exps 7-10 in Second Epoch (02) (2) Prime + Parallel Group 9-10 in Pattern 2, Exps 7-10 in Second Epoch (02)	440 Secs (1397 Secs)	
							[==>703.0 Secs (Pattern 1)]	[5]
							[==>694.0 Secs (Pattern 2)]	

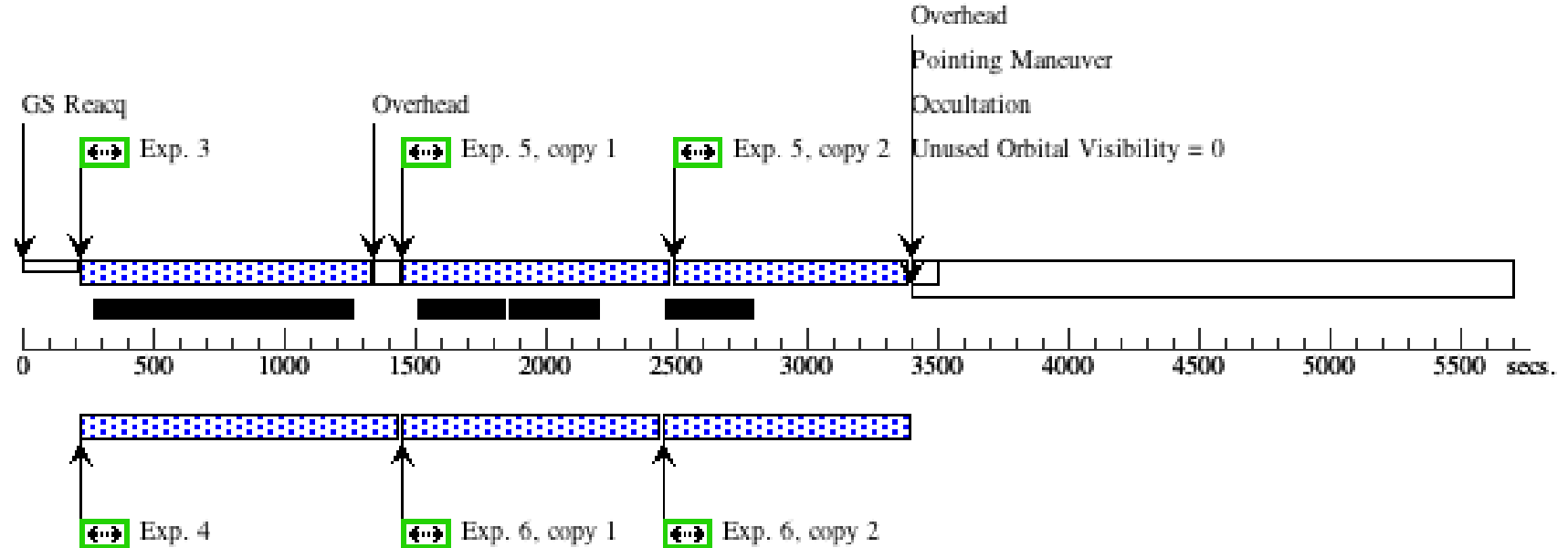
Orbit 1

Server Version: 20150417



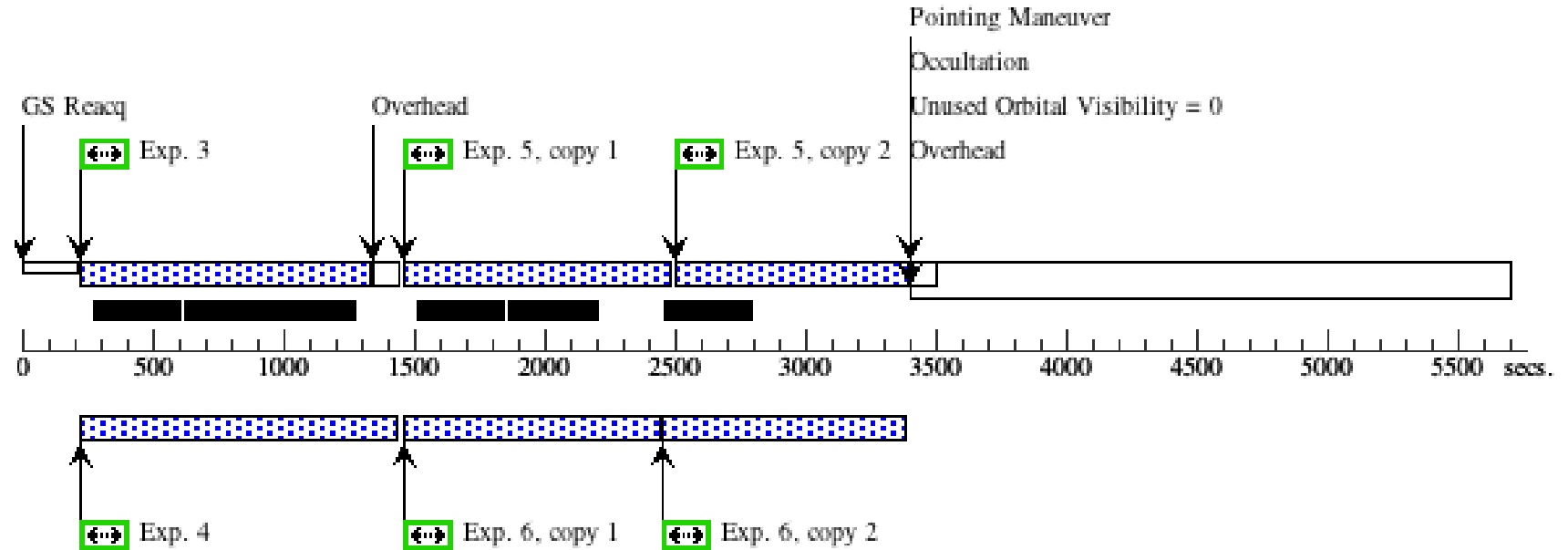
Orbit 2

Server Version: 20150417



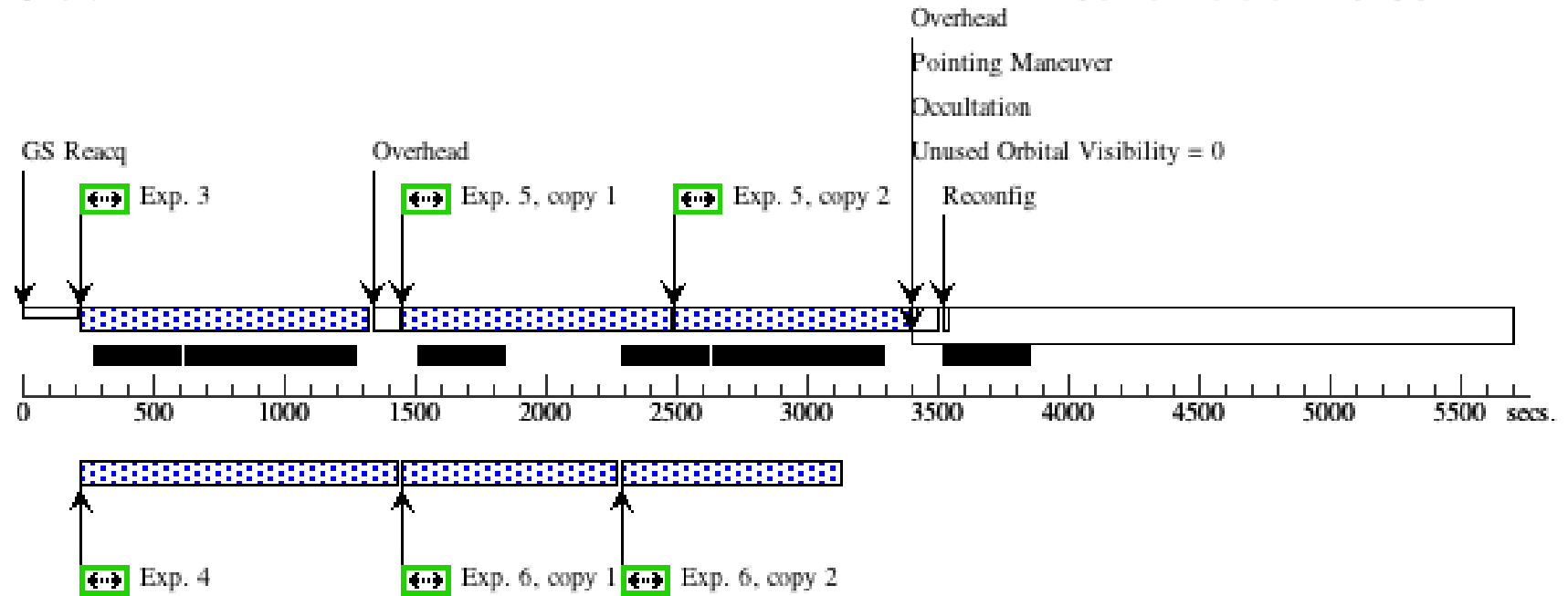
Orbit 3

Server Version: 20150417



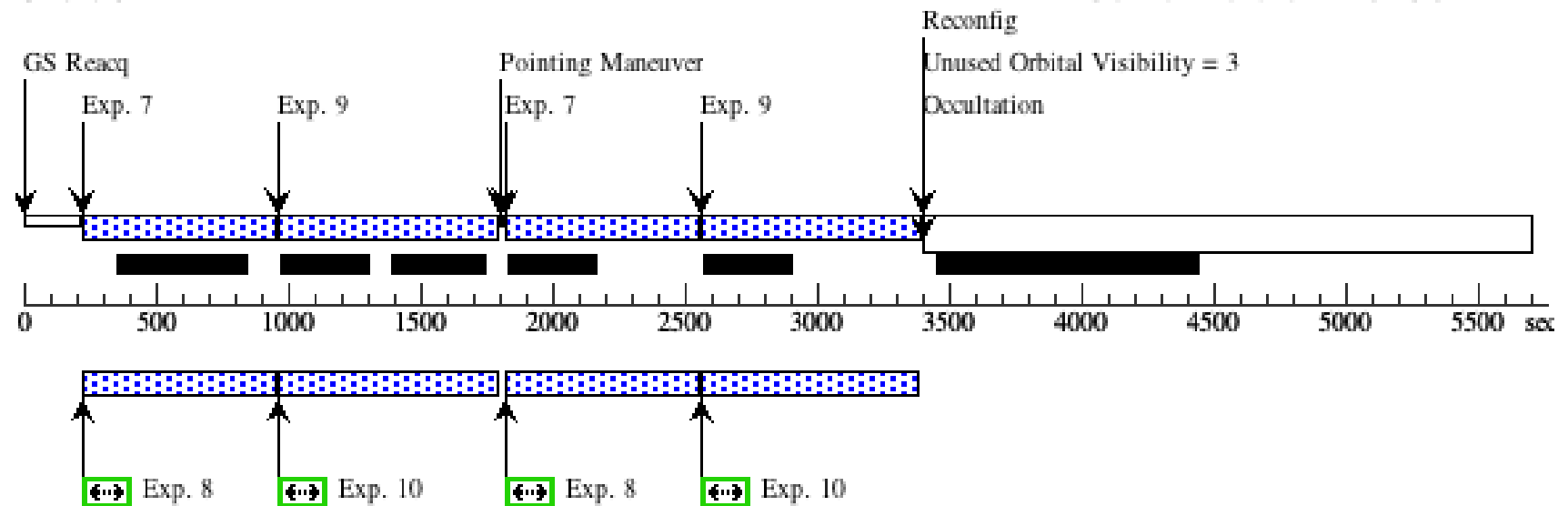
Orbit 4

Server Version: 20150417



Orbit 5

Server Version: 20150417



Proposal 13737 - Third Epoch (1st Visit) (03) - Whimper of a Bang: Documenting the Final Days of the Nearby Type Ia Supernova 201...

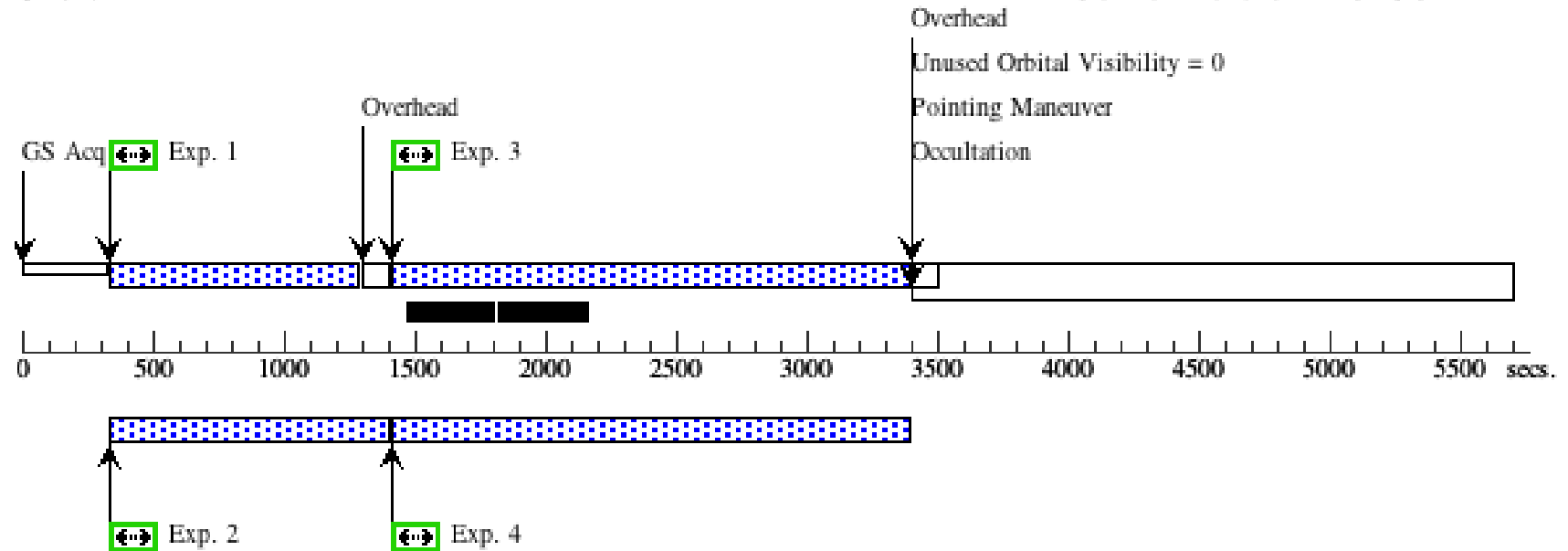
Visit	Proposal 13737, Third Epoch (1st Visit) (03), implementation Mon May 11 15:08:46 GMT 2015			
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 106D TO 113 D; BETWEEN 10-JUL-2015:00:00:00 AND 25-JUL-2015:00:00:00; ON HOLD <i>Comments: 7 orbits were not schedulable together, so we had to split the thrid epoch into two visits.</i> <i>On Hold Comments: The exposure times for the third visit will be adjusted depending on the second visits observations. It is not possible to know the SED at these times because no SN Ia has been observed this late.</i>			
Diagnostics	(Third Epoch (1st Visit) (03)) Warning (Orbit Planner): PATTERN AND COORDINATED PARALLEL MISMATCH (Third Epoch (1st Visit) (03)) Warning (Orbit Planner): PATTERN AND COORDINATED PARALLEL MISMATCH			
Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1-4)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections
	(3)	SN-2011FE-CEPHF2	RA: 14 03 5.8820 (210.7745083d) Dec: +54 15 40.49 (54.26125d) Equinox: J2000	Fluxes V=25.5+/-1.0 Miscellaneous Reference Frame: SIMBAD <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>

Proposal 13737 - Third Epoch (1st Visit) (03) - Whimper of a Bang: Documenting the Final Days of the Nearby Type Ia Supernova 201...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3_F55 5W	(3) SN-2011FE-CEP HF2	WFC3/UVIS, ACCUM, UVIS	F555W			Pattern 3, Exps 1-4 i n Third Epoch (1st V isit) (03) (3)	920 Secs (3880 Secs)	
									[==>925.0 Secs (Pattern 1)]	[1]
								Prime + Parallel Gro up 1-2 in Pattern 3, E xps 1-4 in Third Epo ch (1st Visit) (03)	[==>985.0 Secs (Pattern 2)]	[2]
									[==>985.0 Secs (Pattern 3)]	[3]
									[==>985.0 Secs (Pattern 4)]	[4]
	2	ACS_F555 W	ANY	ACS/WFC, ACCUM, WFC	F555W			Pattern 3, Exps 1-4 i n Third Epoch (1st V isit) (03) (3)	850 Secs (3715 Secs)	
									[==>865.0 Secs (Pattern 1)]	[1]
								Prime + Parallel Gro up 1-2 in Pattern 3, E xps 1-4 in Third Epo ch (1st Visit) (03)	[==>950.0 Secs (Pattern 2)]	[2]
									[==>950.0 Secs (Pattern 3)]	[3]
									[==>950.0 Secs (Pattern 4)]	[4]
	3	WFC3_F43 8W	(3) SN-2011FE-CEP HF2	WFC3/UVIS, ACCUM, UVIS	F438W			Pattern 3, Exps 1-4 i n Third Epoch (1st V isit) (03) (3)	1950 Secs (8000 Secs)	
									[==>1955.0 Secs (Pattern 1)]	[1]
								Prime + Parallel Gro up 3-4 in Pattern 3, E xps 1-4 in Third Epo ch (1st Visit) (03)	[==>2015.0 Secs (Pattern 2)]	[2]
									[==>2015.0 Secs (Pattern 3)]	[3]
									[==>2015.0 Secs (Pattern 4)]	[4]
	4	ACS_F435 W	ANY	ACS/WFC, ACCUM, WFC	F435W			Pattern 3, Exps 1-4 i n Third Epoch (1st V isit) (03) (3)	1800 Secs (7404 Secs)	
									[==>1806.0 Secs (Pattern 1)]	[1]
								Prime + Parallel Gro up 3-4 in Pattern 3, E xps 1-4 in Third Epo ch (1st Visit) (03)	[==>1866.0 Secs (Pattern 2)]	[2]
									[==>1866.0 Secs (Pattern 3)]	[3]
									[==>1866.0 Secs (Pattern 4)]	[4]

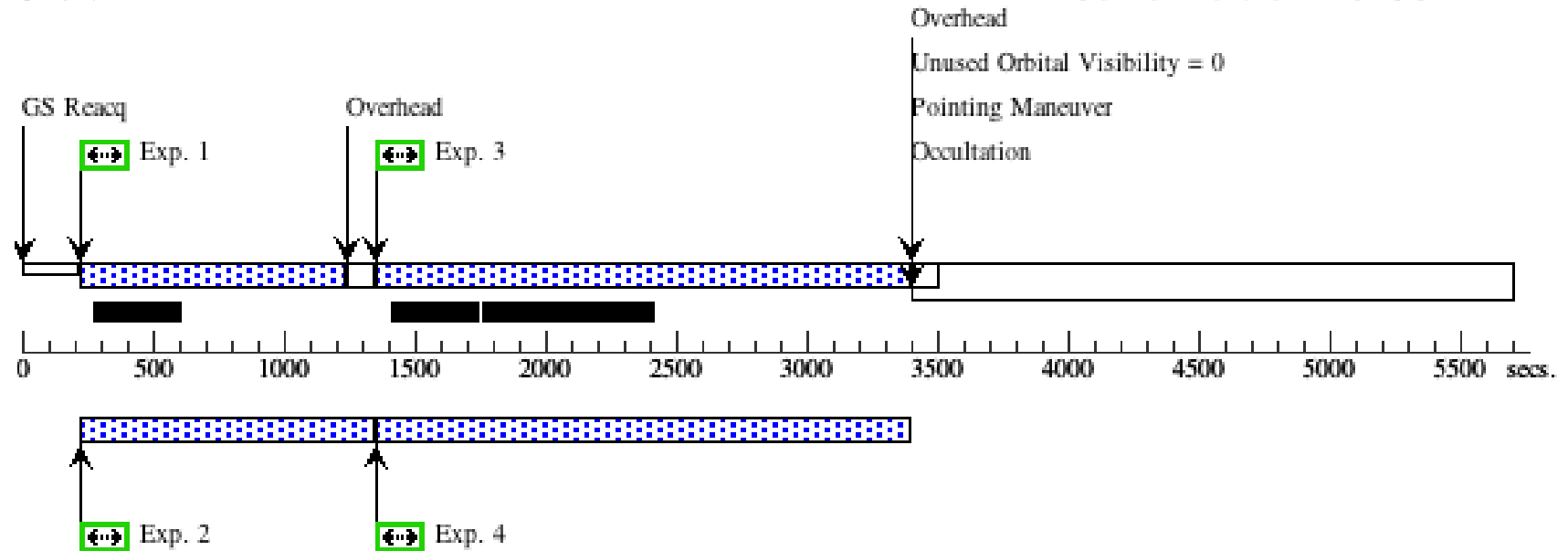
Orbit 1

Server Version: 20150417



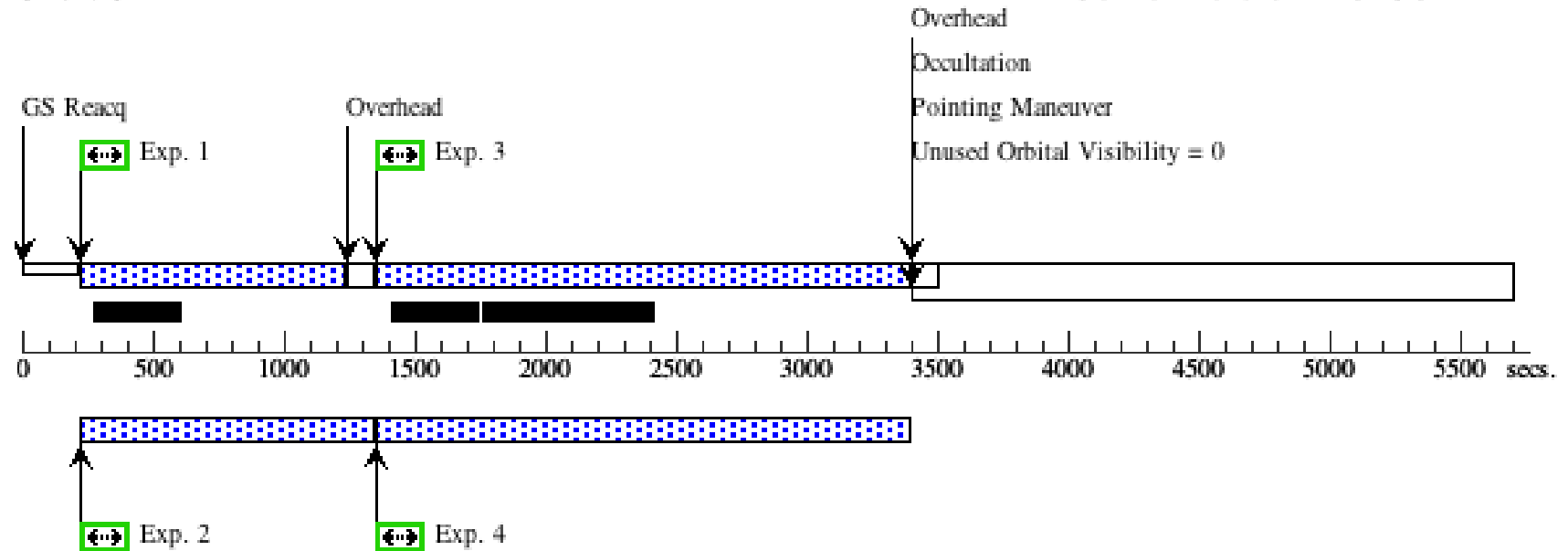
Orbit 2

Server Version: 20150417



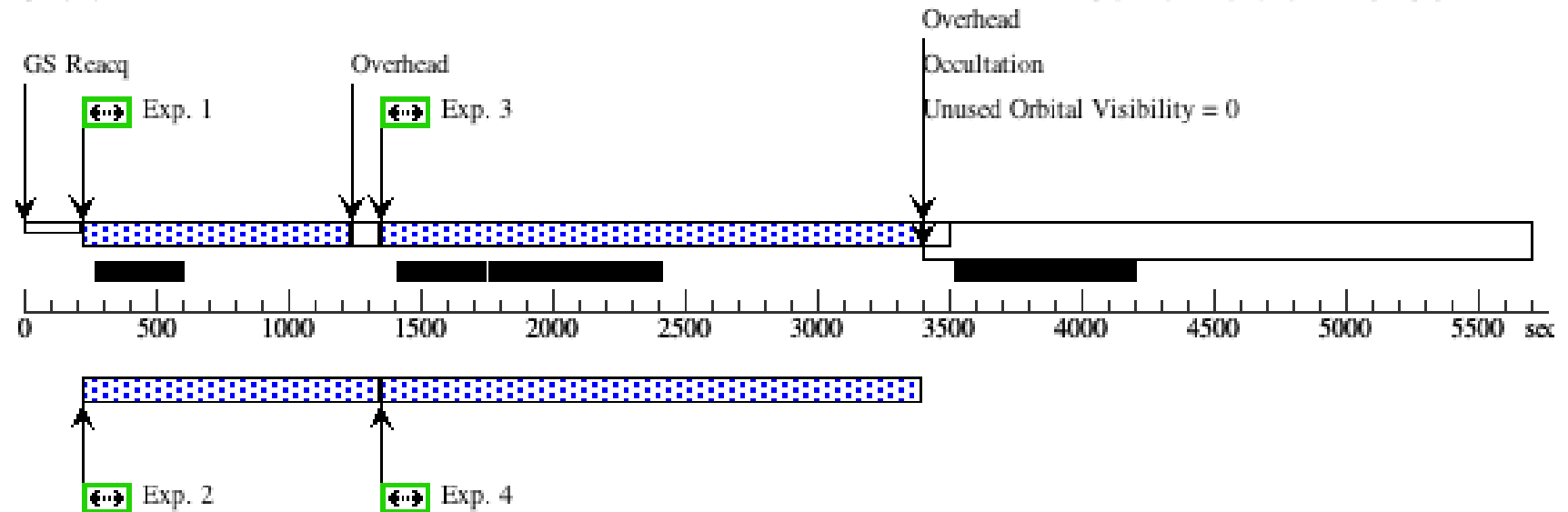
Orbit 3

Server Version: 20150417



Orbit 4

Server Version: 20150417

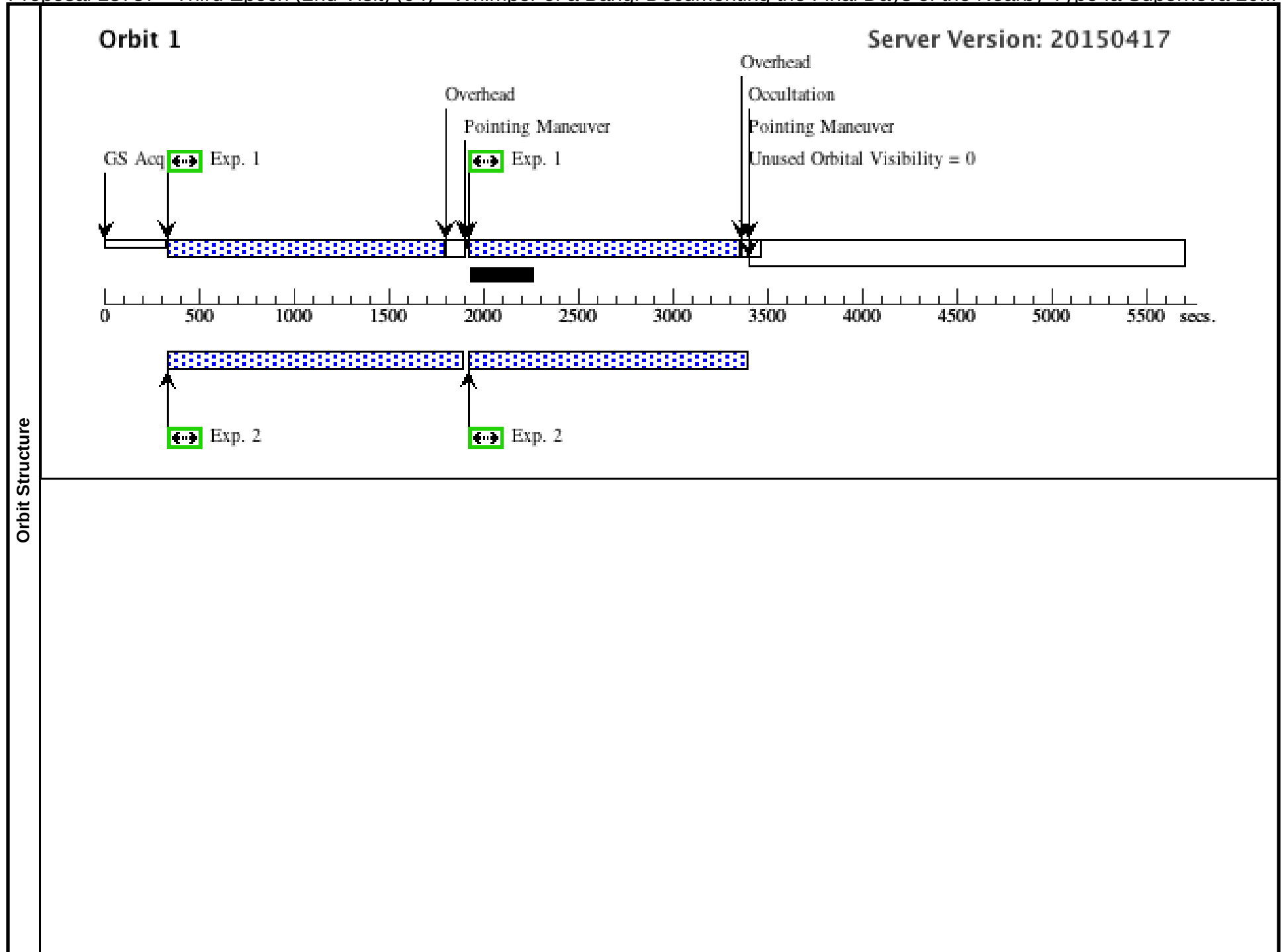


Proposal 13737 - Third Epoch (2nd Visit) (04) - Whimper of a Bang: Documenting the Final Days of the Nearby Type Ia Supernova 20...

Visit	Proposal 13737, Third Epoch (2nd Visit) (04), implementation				Mon May 11 15:08:46 GMT 2015	
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC					
	Special Requirements: ORIENT 106D TO 113 D; BETWEEN 10-JUL-2015:00:00:00 AND 25-JUL-2015:00:00:00; ON HOLD					
	Comments: 7 orbits were not schedulable together, so we had to split the thrid epoch into two visits.					
Diagnostics	Needed to reduce the last parallel exposure on the 4th orbit to make the 5th orbit not need a buffer dump.					
	On Hold Comments: The exposure times for the third visit will be adjusted depending on the second visits observations. It is not possible to know the SED at these times because no SN Ia has been observed this late.					
	(Third Epoch (2nd Visit) (04)) Warning (Orbit Planner): PATTERN AND COORDINATED PARALLEL MISMATCH					
Patterns	(Third Epoch (2nd Visit) (04)) Warning (Orbit Planner): PATTERN AND COORDINATED PARALLEL MISMATCH					
	#	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		(3-6)	
Fixed Targets	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1-2)	
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	SN-2011FE-CEPHF2	RA: 14 03 5.8820 (210.7745083d) Dec: +54 15 40.49 (54.26125d) Equinox: J2000		V=25.5+/-1.0	Reference Frame: SIMBAD
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.						

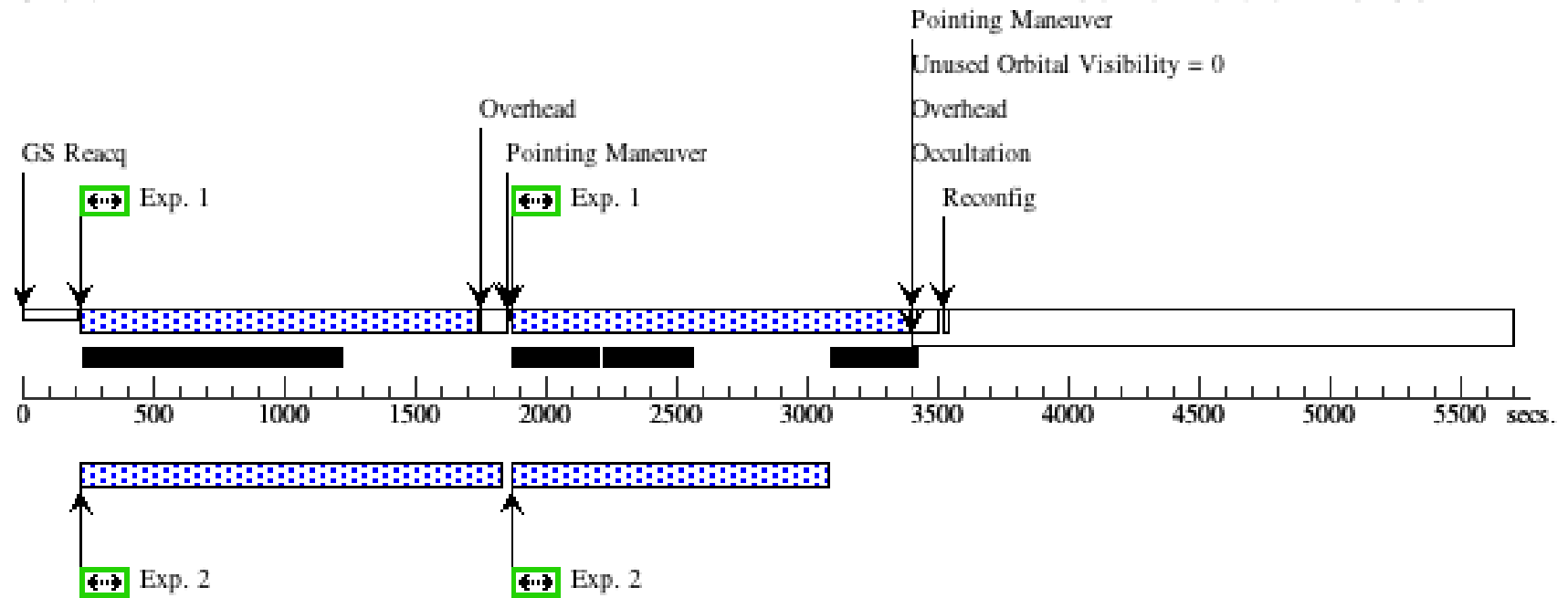
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3-F600 LP	(3) SN-2011FE-CEP HF2	WFC3/UVIS, ACCUM, UVIS	F600LP			Pattern 3, Exps 1-2 in Third Epoch (2nd Visit) (04) (3) Prime + Parallel Group 1-2 in Pattern 3, Exps 1-2 in Third Epoch (2nd Visit) (04)	1400 Secs (5905 Secs) [==>1429.0 Secs (Pattern 1)] [==>1429.0 Secs (Pattern 2)] [==>1520.0 Secs (Pattern 3)] [==>1527.0 Secs (Pattern 4)]	[1] [2]
	2	ACS_F814 W	ANY	ACS/WFC, ACCUM, WFC	F814W			Pattern 3, Exps 1-2 in Third Epoch (2nd Visit) (04) (3) Prime + Parallel Group 1-2 in Pattern 3, Exps 1-2 in Third Epoch (2nd Visit) (04)	1350 Secs (5278 Secs) [==>1350.0 Secs (Pattern 1)] [==>1348.0 Secs (Pattern 2)] [==>1490.0 Secs (Pattern 3)] [==>1090.0 Secs (Pattern 4)]	[1] [2]
	3	WFC3-F160 W	(3) SN-2011FE-CEP HF2	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100; NSAMP=13		Pattern 2, Exps 3-6 in Third Epoch (2nd Visit) (04) (2) Prime + Parallel Group 3-4 in Pattern 2, Exps 3-6 in Third Epoch (2nd Visit) (04)	699.232615 Secs (1398.465 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	4	ACS_F658 N	ANY	ACS/WFC, ACCUM, WFC	F658N	FLASH=15		Pattern 2, Exps 3-6 in Third Epoch (2nd Visit) (04) (2) Prime + Parallel Group 3-4 in Pattern 2, Exps 3-6 in Third Epoch (2nd Visit) (04)	440 Secs (1143 Secs) [==>546.0 Secs (Pattern 1)] [==>597.0 Secs (Pattern 2)]	[3]
	Comments: Added 15 e- flash to avoid CTE effects. ETC estimated an electron count of 5.5 e- given the filter, adjusted exp time of each exposure, RA and Dec, and rough date of the exposures.									
	5	WFC3-F110 W	(3) SN-2011FE-CEP HF2	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP100; NSAMP=14		Pattern 2, Exps 3-6 in Third Epoch (2nd Visit) (04) (2) Prime + Parallel Group 5-6 in Pattern 2, Exps 3-6 in Third Epoch (2nd Visit) (04)	799.232938 Secs (1598.466 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[3]
	6	ACS_F658 N	ANY	ACS/WFC, ACCUM, WFC	F658N	FLASH=13		Pattern 2, Exps 3-6 in Third Epoch (2nd Visit) (04) (2) Prime + Parallel Group 5-6 in Pattern 2, Exps 3-6 in Third Epoch (2nd Visit) (04)	440 Secs (1398.5 Secs) [==>699.0 Secs (Pattern 1)] [==>699.5 Secs (Pattern 2)]	[3]
	Comments: Added 13 e- flash to avoid CTE effects. ETC estimated an electron count of 7 e- given the filter of each exposure, adjusted exp time, RA and Dec, and rough date of the exposures.									



Orbit 2

Server Version: 20150417



Orbit 3

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