



16234 - Supernovae in the Infrared avec Hubble

Cycle: 28, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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Proposal 16234 (STScI Edit Number: 8, Created: Friday, September 10, 2021 at 8:01:23 AM Eastern Standard Time) - Overview

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
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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>
61	(101) SN2020UXZ	WFC3/IR	1	10-Sep-2021 09:00:38.0	yes
62	(101) SN2020UXZ	WFC3/IR	1	10-Sep-2021 09:00:39.0	yes
63	(102) SN2020ZPI	WFC3/IR	1	10-Sep-2021 09:00:41.0	yes
64	(102) SN2020ZPI	WFC3/IR	1	10-Sep-2021 09:00:43.0	yes
65	(103) SN2020ACZG	WFC3/IR	1	10-Sep-2021 09:00:44.0	yes
66	(103) SN2020ACZG	WFC3/IR	1	10-Sep-2021 09:00:46.0	yes
67	(104) SN2021J	WFC3/IR	1	10-Sep-2021 09:00:47.0	yes
68	(104) SN2021J	WFC3/IR	1	10-Sep-2021 09:00:49.0	yes
69	(105) SN2021HPR	WFC3/IR	1	10-Sep-2021 09:00:51.0	yes
70	(105) SN2021HPR	WFC3/IR	1	10-Sep-2021 09:00:52.0	yes
71	(106) SN2021GHC	WFC3/IR	1	10-Sep-2021 09:00:54.0	yes
72	(106) SN2021GHC	WFC3/IR	1	10-Sep-2021 09:00:55.0	yes
73	(107) SN2021IHZ	WFC3/IR	1	10-Sep-2021 09:00:57.0	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>
74	(107) SN2021IHZ	WFC3/IR	1	10-Sep-2021 09:00:58.0	yes
75	(108) SN2021JAD	WFC3/IR	1	10-Sep-2021 09:01:00.0	yes
76	(108) SN2021JAD	WFC3/IR	1	10-Sep-2021 09:01:02.0	yes
81	(75) SN2020FXA	WFC3/IR	1	10-Sep-2021 09:01:03.0	yes
82	(78) SN2020KPX	WFC3/IR	1	10-Sep-2021 09:01:05.0	yes
83	(109) SN2021IOV	WFC3/IR	1	10-Sep-2021 09:01:06.0	yes
84	(110) SN2021MIM	WFC3/IR	1	10-Sep-2021 09:01:08.0	yes
85	(79) SN2020KYX	WFC3/IR	1	10-Sep-2021 09:01:09.0	yes
95	(79) SN2020KYX	WFC3/IR	1	10-Sep-2021 09:01:11.0	yes
86	(86) SN2020RGZ	WFC3/IR	1	10-Sep-2021 09:01:12.0	yes
87	(89) SN2020TKP	WFC3/IR	1	10-Sep-2021 09:01:14.0	yes
88	(90) SN2020TUG	WFC3/IR	1	10-Sep-2021 09:01:16.0	yes
89	(102) SN2020ZPI	WFC3/IR	1	10-Sep-2021 09:01:17.0	yes
90	(104) SN2021J	WFC3/IR	1	10-Sep-2021 09:01:19.0	yes
91	(109) SN2021IOV	WFC3/IR	1	10-Sep-2021 09:01:20.0	yes
92	(110) SN2021MIM	WFC3/IR	1	10-Sep-2021 09:01:22.0	yes

29 Total Orbits Used

ABSTRACT

Near-infrared observations of type-Ia supernovae (SN Ia) significantly improve their cosmological utility. Unlike in the optical, where they must be standardized via light-curve shape and color, SN Ia are nearly standard candles in the infrared, showing little intrinsic luminosity variation with reduced sensitivity to dust extinction. However, because of strong and variable atmospheric absorption, ground-based near-infrared data are difficult to calibrate with the precision required at the forefront of cosmological measurements today. Here we propose HST WFC3/IR photometry and spectrophotometry of a sample of 24 Hubble-flow ($0.02 < z < 0.07$) SN Ia, efficiently obtained with non-disruptive target of opportunity observations. Hubble-flow SN Ia are critical to all cosmological uses of SN Ia, both at low redshift (e.g., measuring the Hubble constant) and high redshift (constraining the dark energy equation of state). Our program will: (1) establish a legacy sample of well-calibrated SN Ia spectrophotometry

Proposal 16234 (STScI Edit Number: 8, Created: Friday, September 10, 2021 at 8:01:23 AM Eastern Standard Time) - Overview covering a continuous rest-frame wavelength range from 0.8 to 1.7 microns as a foundation for WFIRST, (2) yield a 2.7% measurement of H_0 with near-infrared only observations of SN Ia, and (3) constrain dark energy in concert with data from the RAISINs surveys, producing a WFC3/IR-only Hubble diagram from $z = 0.02$ to $z = 0.6$.

OBSERVING DESCRIPTION

We will trigger on newly discovered and classified SN Ia in the Hubble flow ($0.02 \leq z \leq 0.7$), and any good SN Ia close enough for a Cepheid distance in the future. We will obtain HST WFC3/IR photometry and grism spectroscopy in two epochs for each object (one orbit each epoch). We will choose targets discovered and classified early (well before maximum light), and expect an average of 2 triggers per month, starting in February 2020 (to coordinate with allocated Gemini time). Though the nominal turnaround time for non-disruptive TOOs is 21 days, we will coordinate with STScI and the schedule-building process to aim for a shorter turnaround time (~ 15 days). We will schedule the second epoch within 5 to 20 days of the first epoch.

We will also recalibrate reference stars in 19 fields with 20 Cepheid-calibrated SN Ia to place the ground-based IR data for those objects on the WFC3/IR photometric system.

We will use 2 dither positions for all observations, comprising imaging in 5 filters: F098M, F105W, F125W, F140W, and F160W, and spectroscopy with both grisms: G102 and G141. With suitable ordering of the observations so that buffer dumps are done during the long grism observations, all of these can be full-frame 1024x1024 images and this all fits in one orbit with high SNR.

In Cycle 27 our observations will use 51 orbits: 32 from the TOOs (16 objects x 2 epochs each) and 19 from the recalibration fields.

In Cycle 28 our observations will use 26 orbits: 16 from the TOOs (8 objects x 2 epochs each) and 10 from template observations as needed of SN fields from either of Cycles 27 or 28.

In the case of reduced-gyro operations, our program may be significantly affected. For the 8 TOO objects in Cycle 28, the reduced field of regard would limit which objects we could trigger on. Knowing what parts of the sky are accessible to HST at any time would help us in finding appropriate candidates. Our 10 template observations could also be affected, because they need to be made at the same ORIENT as the original data. If the original data were taken in three-gyro mode, it is possible that the same position and ORIENT would not be available in reduced gyro operations.

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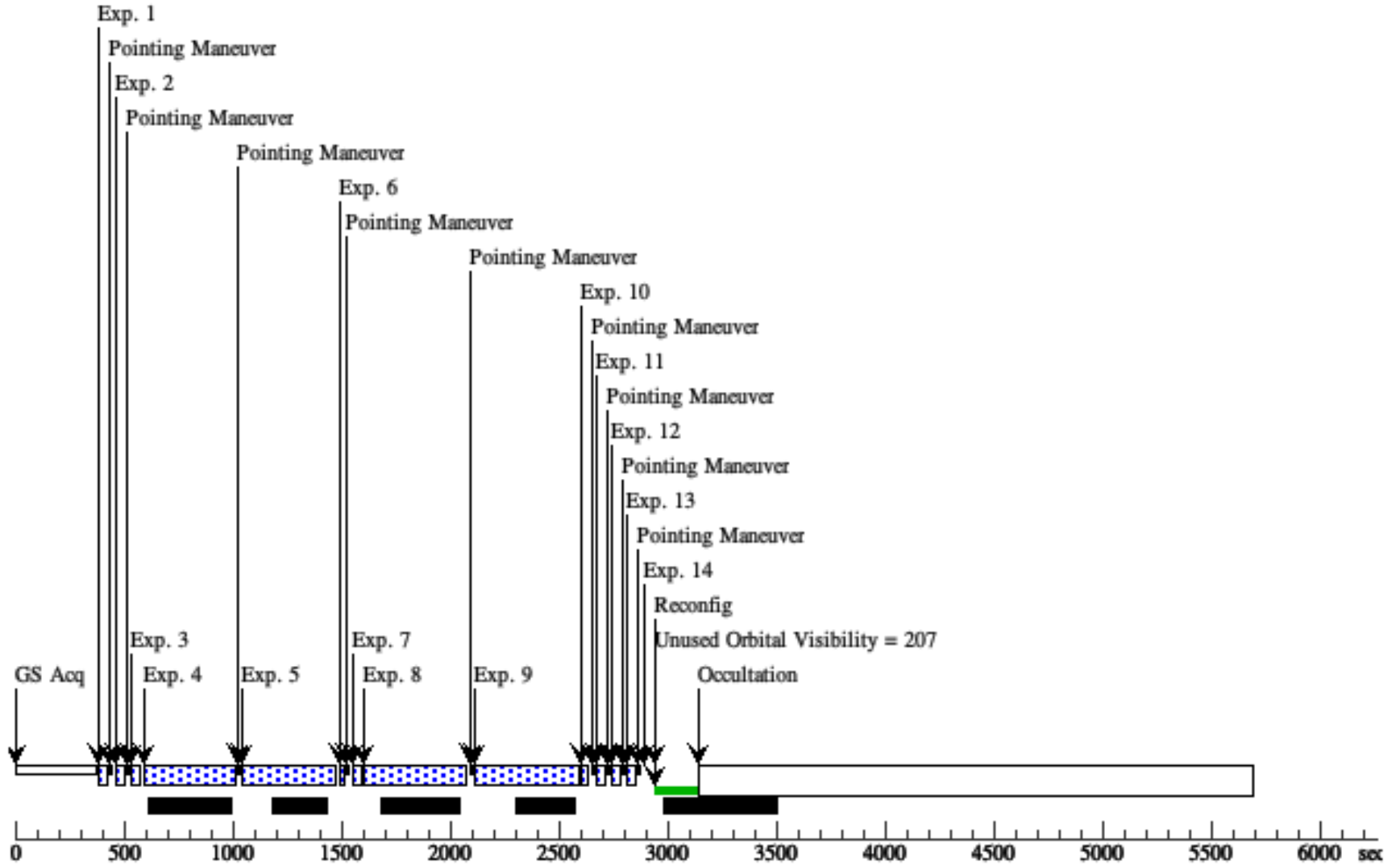
Visit	Proposal 16234, TOO-SN-18-EPOCH1 (61), failed Fri Sep 10 13:01:23 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(101)		SN2020UXZ Alt Name1: ATLAS20BCMA	RA: 01 24 7.6704 (21.0319600d) Dec: +12 55 37.29 (12.92702d) Equinox: J2000		V=14.0+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category= <i>EXT-STAR</i> Description= <i>[SUPERNOVA TYPE IA]</i>						

Proposal 16234 - TOO-SN-18-EPOCH1 (61) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -5.688,-5.088		14.661455 Secs (14.661 Secs) [==>]	[1]
	2		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -4.266,-3.816		14.661455 Secs (14.661 Secs) [==>]	[1]
	3		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -2.844,-2.544		11.729164 Secs (11.729 Secs) [==>]	[1]
	4		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPARS50	POS TARG -2.844,-2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPARS50	POS TARG -1.422,-1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	6		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -1.422,-1.272		11.729164 Secs (11.729 Secs) [==>]	[1]
	7		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG 0.000,0.000		8.796873 Secs (8.797 Secs) [==>]	[1]
	8		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG 0.000,0.000		452.93635 Secs (452.936 Secs) [==>]	[1]
	9		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG +1.422,+1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	10		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +1.422,+1.272		8.796873 Secs (8.797 Secs) [==>]	[1]
	11		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +2.844,+2.544		8.796873 Secs (8.797 Secs) [==>]	[1]
	12		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +4.266,+3.816		8.796873 Secs (8.797 Secs) [==>]	[1]
	13		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +5.688,+5.088		8.796873 Secs (8.797 Secs) [==>]	[1]
14		(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +7.110,+6.360		8.796873 Secs (8.797 Secs) [==>]	[1]	

Orbit Structure

Orbit 1



Proposal 16234 - TOO-SN-18-EPOCH2 (62) - Supernovae in the Infrared avec Hubble

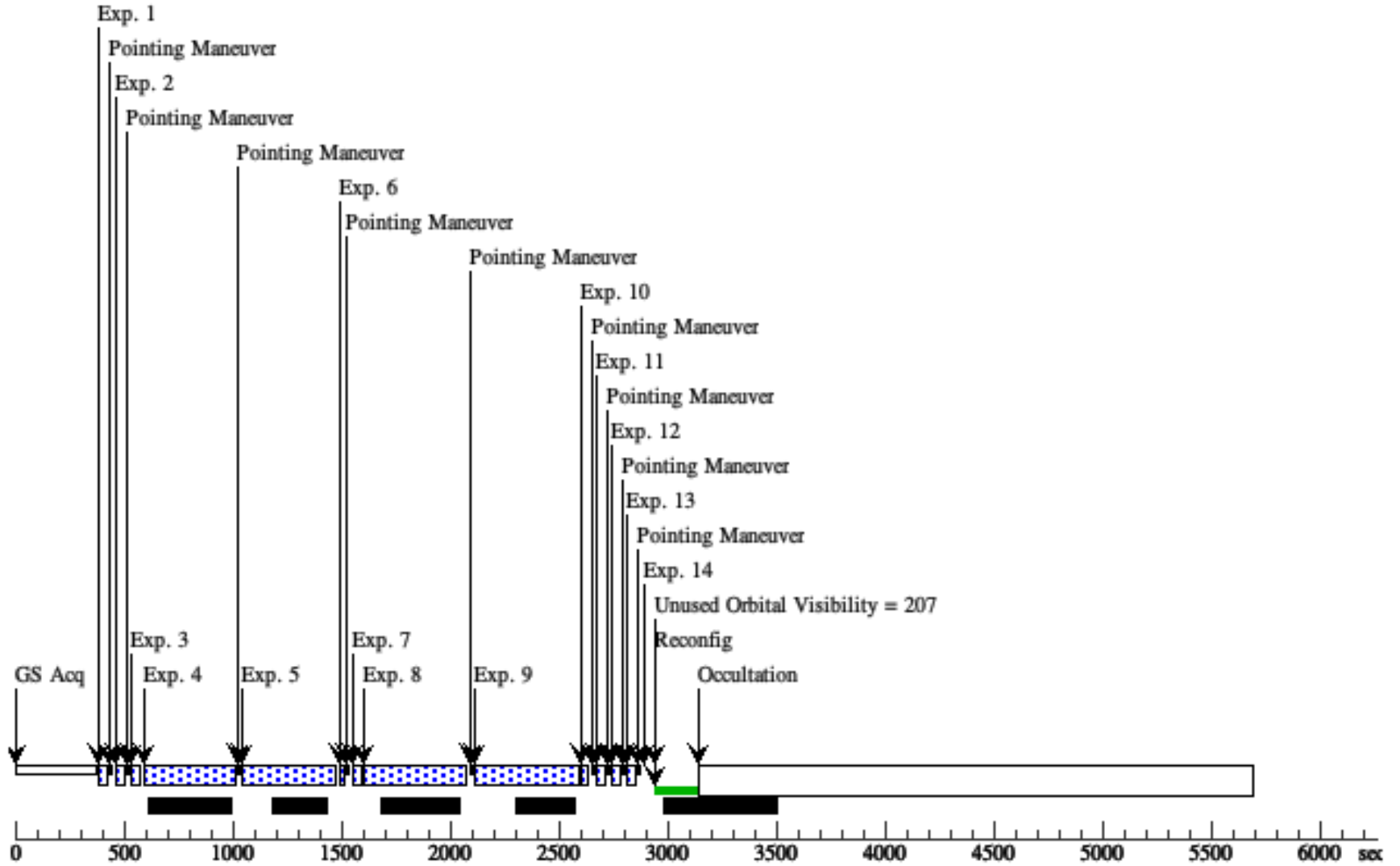
Visit	Proposal 16234, TOO-SN-18-EPOCH2 (62), completed Fri Sep 10 13:01:23 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 61; AFTER 61 BY 5.0 D TO 20.0 D; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(101)		SN2020UXZ Alt Name1: ATLAS20BCMA	RA: 01 24 7.6704 (21.0319600d) Dec: +12 55 37.29 (12.92702d) Equinox: J2000		V=14.0+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category= <i>EXT-STAR</i> Description= <i>[SUPERNOVA TYPE IA]</i>						

Proposal 16234 - TOO-SN-18-EPOCH2 (62) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -5.688,-5.088			14.661455 Secs (14.661 Secs)	[1]
	2	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -4.266,-3.816			14.661455 Secs (14.661 Secs)	[1]
	3	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -2.844,-2.544			11.729164 Secs (11.729 Secs)	[1]
	4	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPARS50	POS TARG -2.844,-2.544			402.935899 Secs (402.936 Secs)	[1]
	5	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPARS50	POS TARG -1.422,-1.272			402.935899 Secs (402.936 Secs)	[1]
	6	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -1.422,-1.272			11.729164 Secs (11.729 Secs)	[1]
	7	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG 0.000,0.000			8.796873 Secs (8.797 Secs)	[1]
	8	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG 0.000,0.000			452.93635 Secs (452.936 Secs)	[1]
	9	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG +1.422,+1.272			452.93635 Secs (452.936 Secs)	[1]
	10	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +1.422,+1.272			8.796873 Secs (8.797 Secs)	[1]
	11	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +2.844,+2.544			8.796873 Secs (8.797 Secs)	[1]
	12	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +4.266,+3.816			8.796873 Secs (8.797 Secs)	[1]
	13	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +5.688,+5.088			8.796873 Secs (8.797 Secs)	[1]
14	(101) SN2020UXZ	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +7.110,+6.360			8.796873 Secs (8.797 Secs)	[1]	

Orbit Structure

Orbit 1



Proposal 16234 - TOO-SN-19-EPOCH1 (63) - Supernovae in the Infrared avec Hubble

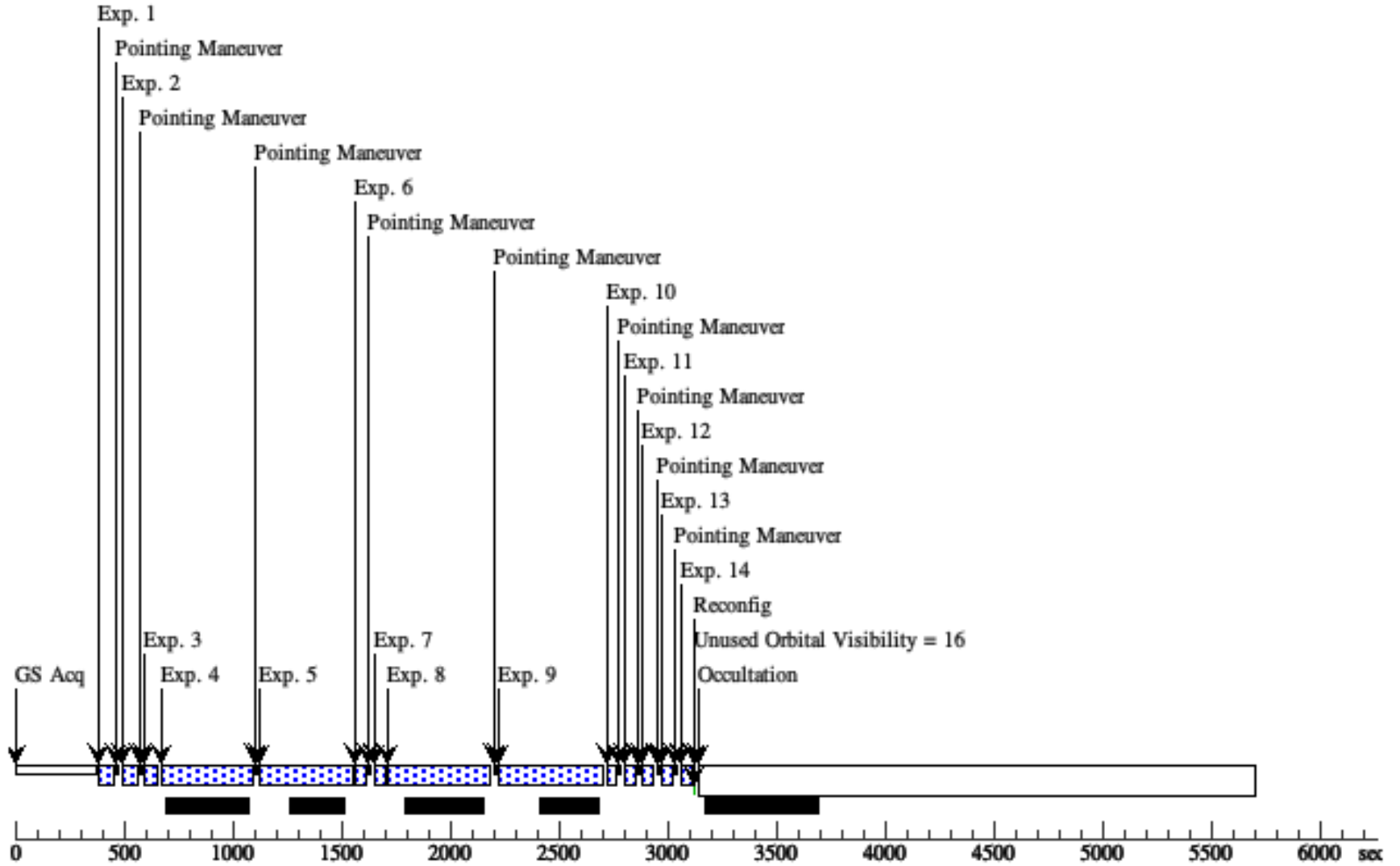
Visit	Proposal 16234, TOO-SN-19-EPOCH1 (63), completed Fri Sep 10 13:01:23 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(102)		SN2020ZPI Alt Name1: ZTF20ACQKSDI	RA: 02 40 20.4018 (40.0850075d) Dec: -01 26 26.58 (-1.44072d) Equinox: J2000		V=17.0+/-1.5	Reference Frame: ICRS
Comments: Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TOO-SN-19-EPOCH1 (63) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	6		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		452.93635 Secs (452.936 Secs) [==>]	[1]
	9		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	10		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	

Orbit Structure

Orbit 1



Proposal 16234 - TOO-SN-19-EPOCH2 (64) - Supernovae in the Infrared avec Hubble

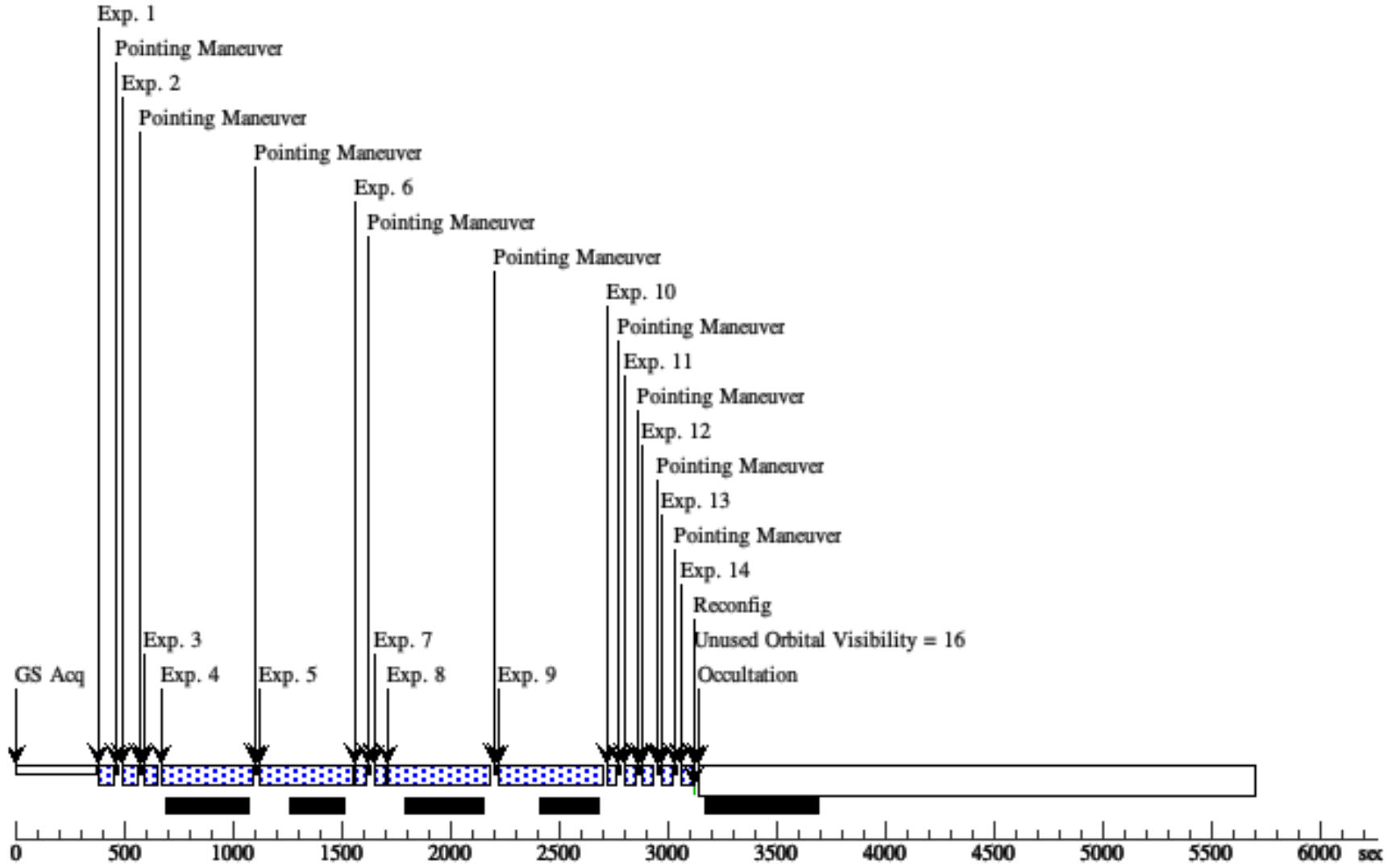
Visit	Proposal 16234, TOO-SN-19-EPOCH2 (64), completed Fri Sep 10 13:01:23 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 63; AFTER 63 BY 5.0 D TO 20.0 D					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(102)		SN2020ZPI Alt Name1: ZTF20ACQKSDI	RA: 02 40 20.4018 (40.0850075d) Dec: -01 26 26.58 (-1.44072d) Equinox: J2000		V=17.0+/-1.5	Reference Frame: ICRS
Comments: Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TOO-SN-19-EPOCH2 (64) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088	42.936143 Secs (42.936 Secs)	[==>]	[1]	
	2	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816	42.936143 Secs (42.936 Secs)	[==>]	[1]	
	3	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544	32.93518 Secs (32.935 Secs)	[==>]	[1]	
	4	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544	402.935899 Secs (402.936 Secs)	[==>]	[1]	
	5	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272	402.935899 Secs (402.936 Secs)	[==>]	[1]	
	6	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272	32.93518 Secs (32.935 Secs)	[==>]	[1]	
	7	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	8	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000	452.93635 Secs (452.936 Secs)	[==>]	[1]	
	9	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272	452.93635 Secs (452.936 Secs)	[==>]	[1]	
	10	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	11	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	12	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	13	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088	22.934217 Secs (22.934 Secs)	[==>]	[1]	
14	(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360	22.934217 Secs (22.934 Secs)	[==>]	[1]		

Orbit Structure

Orbit 1



Proposal 16234 - TOO-SN-20-EPOCH1 (65) - Supernovae in the Infrared avec Hubble

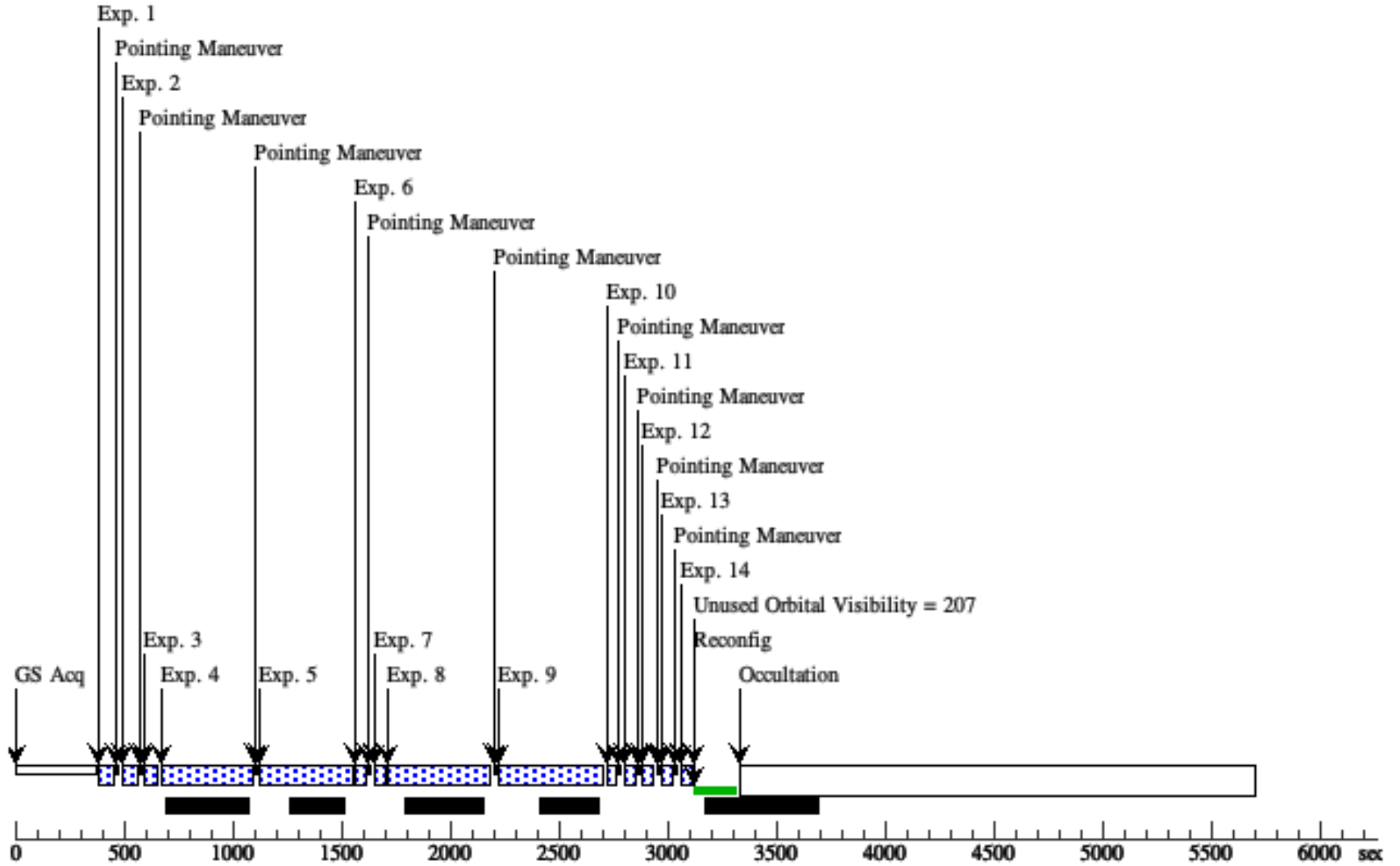
Visit	Proposal 16234, TOO-SN-20-EPOCH1 (65), completed Fri Sep 10 13:01:23 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(103)		SN2020ACZG Alt Name1: ATLAS20BINB Alt Name2: ZTF20ACXZQYP	RA: 10 01 6.2700 (150.2761250d) Dec: +54 47 19.38 (54.78872d) Equinox: J2000		V=17.0+/-1.5	Reference Frame: ICRS
	Comments: Category=EXT-STAR Description=[SUPERNOVA TYPE IA]					

Proposal 16234 - TOO-SN-20-EPOCH1 (65) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088	42.936143 Secs (42.936 Secs)	[==>]	[1]	
	2	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816	42.936143 Secs (42.936 Secs)	[==>]	[1]	
	3	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544	32.93518 Secs (32.935 Secs)	[==>]	[1]	
	4	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544	402.935899 Secs (402.936 Secs)	[==>]	[1]	
	5	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272	402.935899 Secs (402.936 Secs)	[==>]	[1]	
	6	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272	32.93518 Secs (32.935 Secs)	[==>]	[1]	
	7	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	8	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000	452.93635 Secs (452.936 Secs)	[==>]	[1]	
	9	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272	452.93635 Secs (452.936 Secs)	[==>]	[1]	
	10	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	11	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	12	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	13	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088	22.934217 Secs (22.934 Secs)	[==>]	[1]	
14	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360	22.934217 Secs (22.934 Secs)	[==>]	[1]		

Orbit Structure

Orbit 1

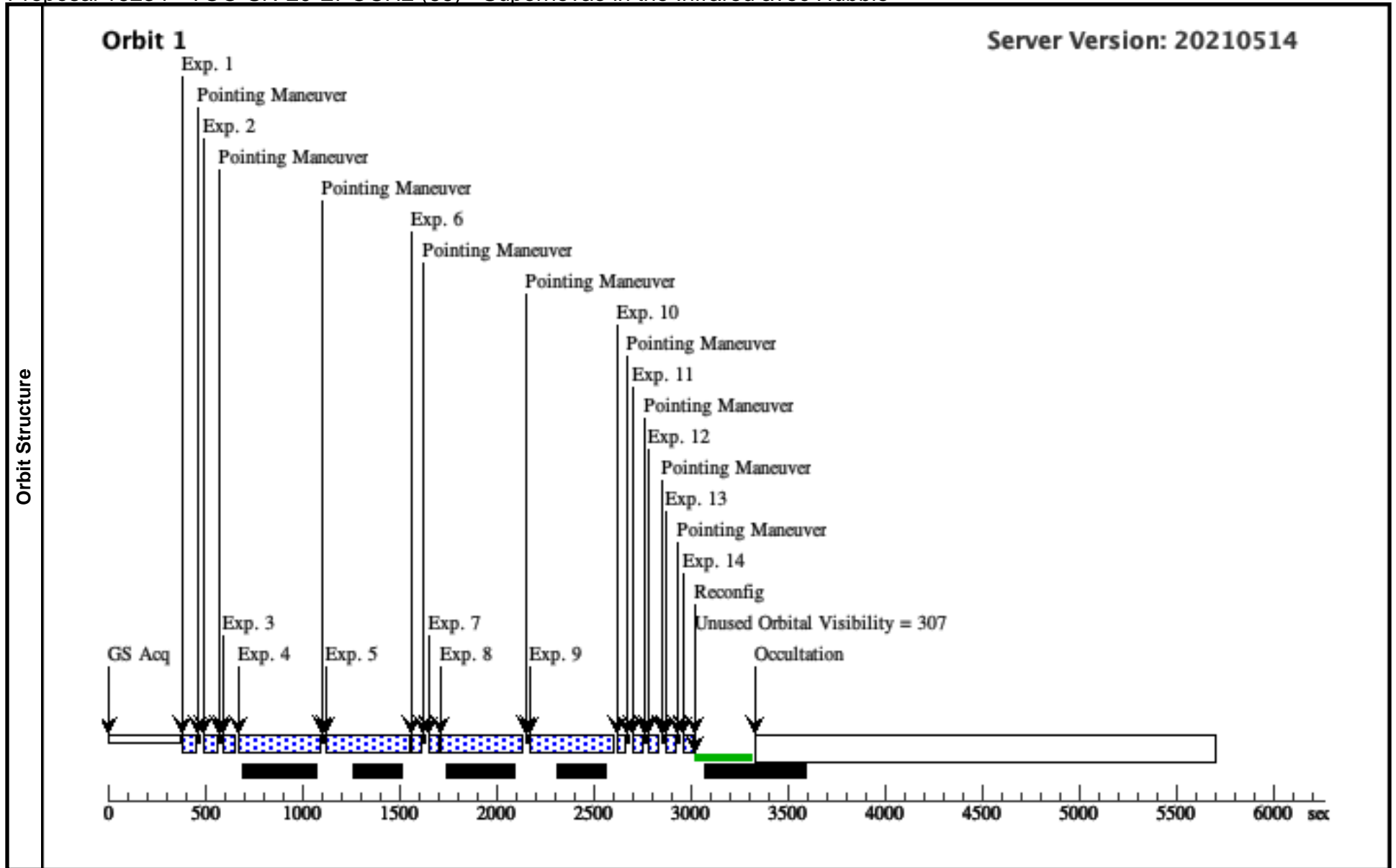


Proposal 16234 - TOO-SN-20-EPOCH2 (66) - Supernovae in the Infrared avec Hubble

Visit	Proposal 16234, TOO-SN-20-EPOCH2 (66), completed Fri Sep 10 13:01:23 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 65; AFTER 65 BY 5.0 D TO 20.0 D																																								
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(103)</td> <td>SN2020ACZG</td> <td>RA: 10 01 6.2700 (150.2761250d)</td> <td></td> <td>V=17.0+/-1.5</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1:</td> <td>Dec: +54 47 19.38 (54.78872d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>ATLAS20BINB</td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Alt Name2:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>ZTF20ACXZQYP</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments:</i> Category=EXT-STAR Description=[SUPERNOVA TYPE IA]</p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(103)	SN2020ACZG	RA: 10 01 6.2700 (150.2761250d)		V=17.0+/-1.5	Reference Frame: ICRS		Alt Name1:	Dec: +54 47 19.38 (54.78872d)					ATLAS20BINB	Equinox: J2000					Alt Name2:						ZTF20ACXZQYP							
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																				
(103)	SN2020ACZG	RA: 10 01 6.2700 (150.2761250d)		V=17.0+/-1.5	Reference Frame: ICRS																																				
	Alt Name1:	Dec: +54 47 19.38 (54.78872d)																																							
	ATLAS20BINB	Equinox: J2000																																							
	Alt Name2:																																								
	ZTF20ACXZQYP																																								

Proposal 16234 - TOO-SN-20-EPOCH2 (66) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088	42.936143 Secs (42.936 Secs)	[==>]	[1]	
	2	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816	42.936143 Secs (42.936 Secs)	[==>]	[1]	
	3	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544	32.93518 Secs (32.935 Secs)	[==>]	[1]	
	4	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544	402.935899 Secs (402.936 Secs)	[==>]	[1]	
	5	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272	402.935899 Secs (402.936 Secs)	[==>]	[1]	
	6	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272	32.93518 Secs (32.935 Secs)	[==>]	[1]	
	7	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	8	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000	402.935899 Secs (402.936 Secs)	[==>]	[1]	
	9	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272	402.935899 Secs (402.936 Secs)	[==>]	[1]	
	10	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	11	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	12	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	13	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088	22.934217 Secs (22.934 Secs)	[==>]	[1]	
14	(103) SN2020ACZG	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360	22.934217 Secs (22.934 Secs)	[==>]	[1]		

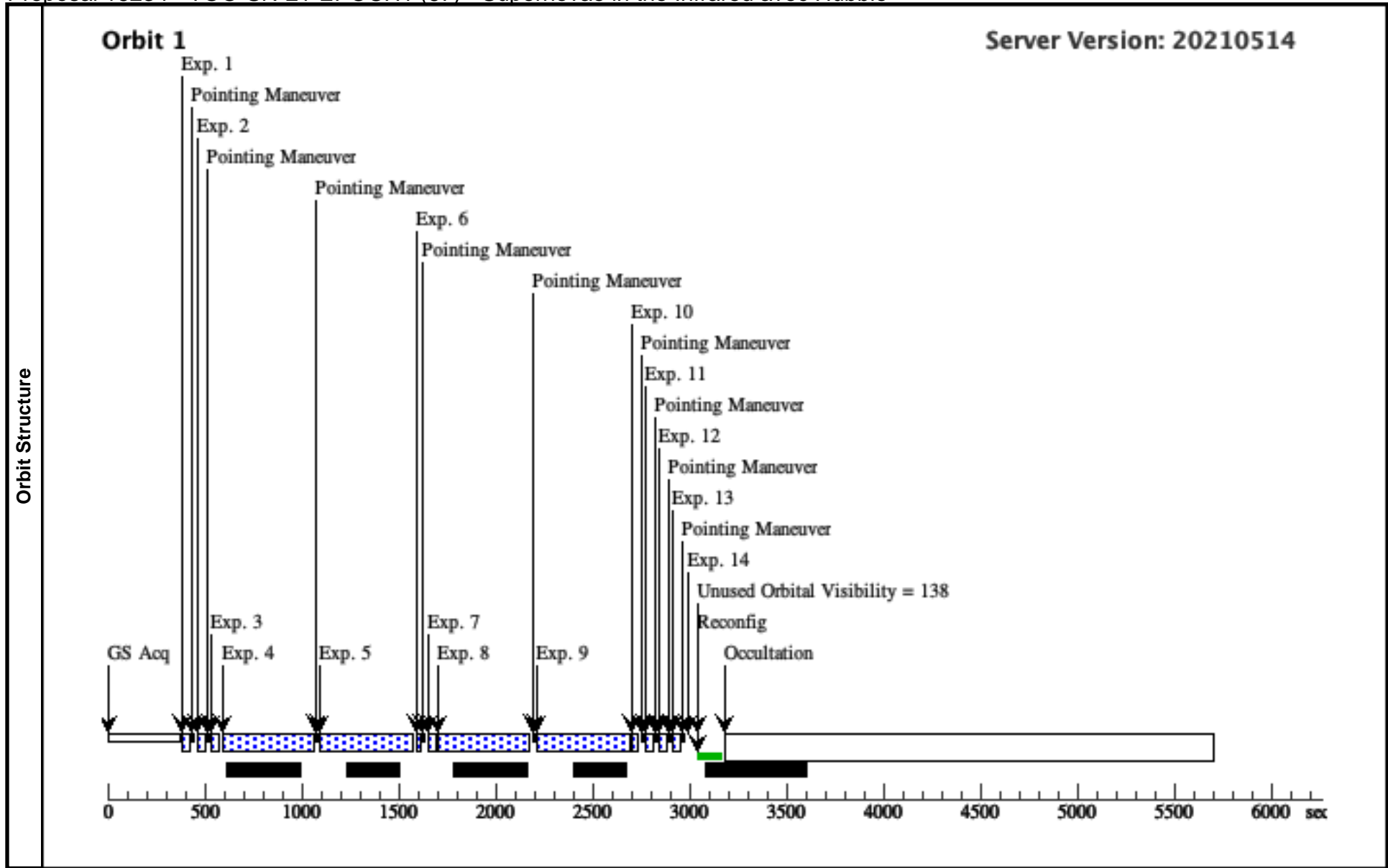


Proposal 16234 - TOO-SN-21-EPOCH1 (67) - Supernovae in the Infrared avec Hubble

Visit	Proposal 16234, TOO-SN-21-EPOCH1 (67), completed Fri Sep 10 13:01:23 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(104)		SN2021J Alt Name1: ZTF21AAAABVIT	RA: 12 26 27.0310 (186.6126292d) Dec: +31 13 20.59 (31.22239d) Equinox: J2000		V=13.0+/-1.0	Reference Frame: ICRS
Comments: Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TOO-SN-21-EPOCH1 (67) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -5.688,-5.088		14.661455 Secs (14.661 Secs) [==>]	[1]
	2		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -4.266,-3.816		14.661455 Secs (14.661 Secs) [==>]	[1]
	3		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -2.844,-2.544		11.729164 Secs (11.729 Secs) [==>]	[1]
	4		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG -2.844,-2.544		452.93635 Secs (452.936 Secs) [==>]	[1]
	5		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG -1.422,-1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	6		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -1.422,-1.272		11.729164 Secs (11.729 Secs) [==>]	[1]
	7		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG 0.000,0.000		8.796873 Secs (8.797 Secs) [==>]	[1]
	8		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG 0.000,0.000		452.93635 Secs (452.936 Secs) [==>]	[1]
	9		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG +1.422,+1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	10		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +1.422,+1.272		8.796873 Secs (8.797 Secs) [==>]	[1]
	11		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +2.844,+2.544		8.796873 Secs (8.797 Secs) [==>]	[1]
	12		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +4.266,+3.816		8.796873 Secs (8.797 Secs) [==>]	[1]
	13		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +5.688,+5.088		8.796873 Secs (8.797 Secs) [==>]	[1]
14		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +7.110,+6.360		8.796873 Secs (8.797 Secs) [==>]	[1]	

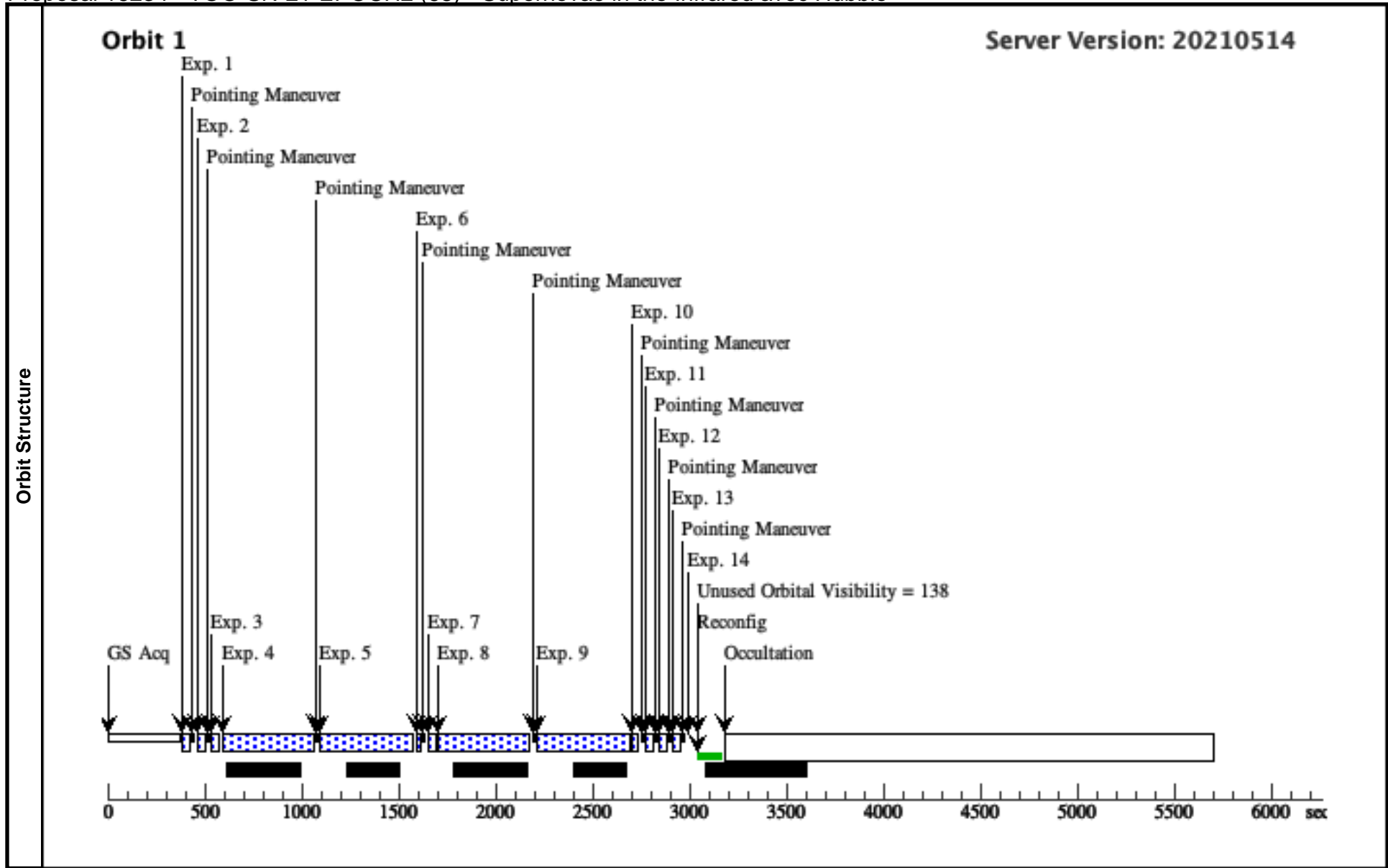


Proposal 16234 - TOO-SN-21-EPOCH2 (68) - Supernovae in the Infrared avec Hubble

Visit	Proposal 16234, TOO-SN-21-EPOCH2 (68), completed Fri Sep 10 13:01:23 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 67; AFTER 67 BY 5.0 D TO 20.0 D					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(104)		SN2021J Alt Name1: ZTF21AAAABVIT	RA: 12 26 27.0310 (186.6126292d) Dec: +31 13 20.59 (31.22239d) Equinox: J2000		V=13.0+/-1.0	Reference Frame: ICRS
Comments: Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TOO-SN-21-EPOCH2 (68) - Supernovae in the Infrared avec Hubble

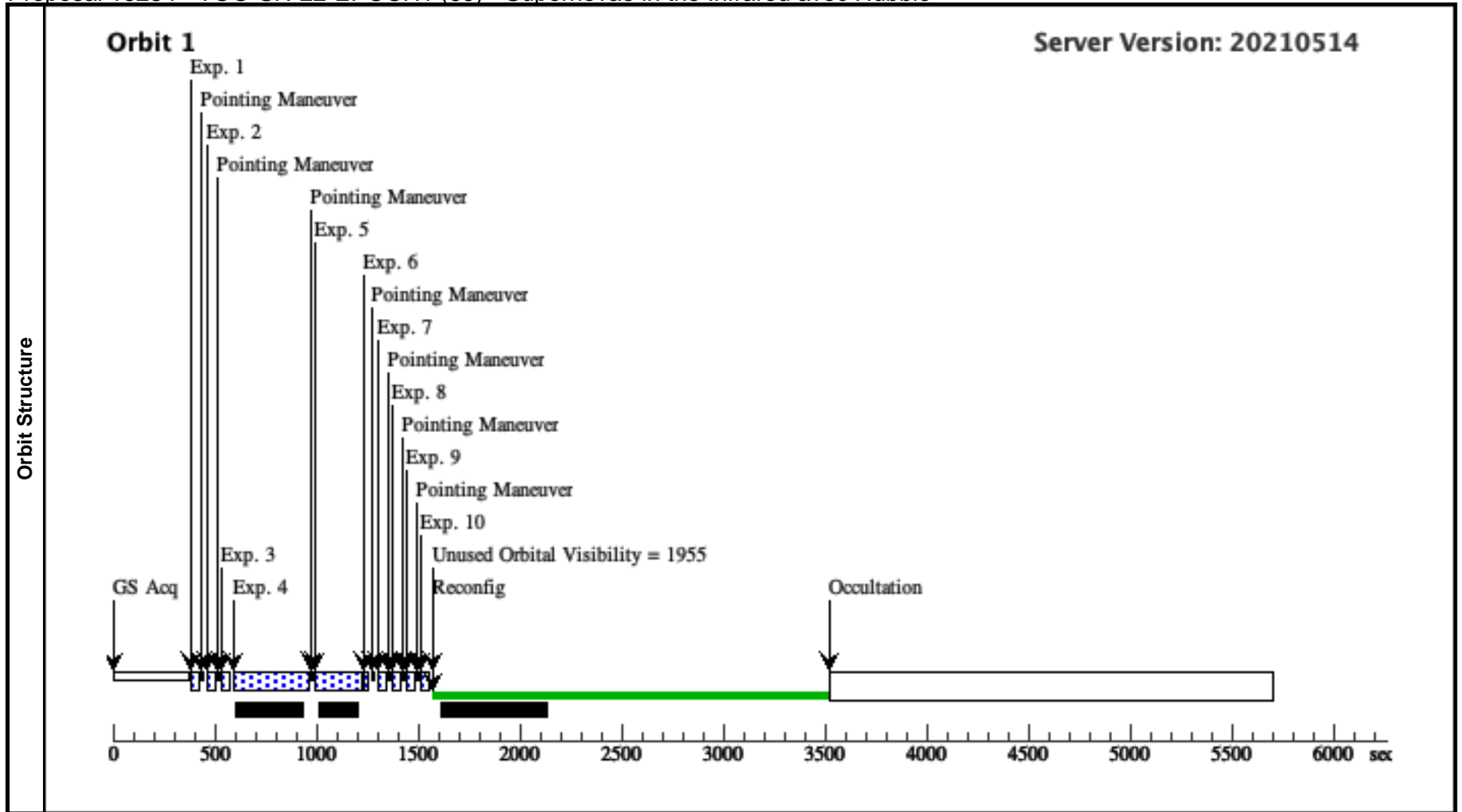
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -5.688,-5.088		14.661455 Secs (14.661 Secs) [==>]	[1]
	2		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -4.266,-3.816		14.661455 Secs (14.661 Secs) [==>]	[1]
	3		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -2.844,-2.544		11.729164 Secs (11.729 Secs) [==>]	[1]
	4		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG -2.844,-2.544		452.93635 Secs (452.936 Secs) [==>]	[1]
	5		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG -1.422,-1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	6		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -1.422,-1.272		11.729164 Secs (11.729 Secs) [==>]	[1]
	7		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG 0.000,0.000		8.796873 Secs (8.797 Secs) [==>]	[1]
	8		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG 0.000,0.000		452.93635 Secs (452.936 Secs) [==>]	[1]
	9		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG +1.422,+1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	10		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +1.422,+1.272		8.796873 Secs (8.797 Secs) [==>]	[1]
	11		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +2.844,+2.544		8.796873 Secs (8.797 Secs) [==>]	[1]
	12		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +4.266,+3.816		8.796873 Secs (8.797 Secs) [==>]	[1]
	13		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +5.688,+5.088		8.796873 Secs (8.797 Secs) [==>]	[1]
14		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +7.110,+6.360		8.796873 Secs (8.797 Secs) [==>]	[1]	



Proposal 16234 - TOO-SN-22-EPOCH1 (69) - Supernovae in the Infrared avec Hubble

Fri Sep 10 13:01:23 GMT 2021

Visit	Proposal 16234, TOO-SN-22-EPOCH1 (69), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(105)	SN2021HPR	RA: 10 16 33.5197 (154.1396654d)		V=13.0+/-1.0	Reference Frame: ICRS				
		Alt Name1: ATLAS21JME	Dec: +73 24 8.35 (73.40232d)							
		Alt Name2: ZTF21AARQKES	Equinox: J2000							
	Comments: Category=EXT-STAR Description=[SUPERNOVA TYPE IA]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -5.688,-5.088		14.661455 Secs (14.661 Secs) [==>]	[1]
	2		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -4.266,-3.816		14.661455 Secs (14.661 Secs) [==>]	[1]
	3		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=3; SAMP-SEQ=RAPID	POS TARG -2.844,-2.544		8.796873 Secs (8.797 Secs) [==>]	[1]
	4		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=8; SAMP-SEQ=SPARS50	POS TARG -2.844,-2.544		352.935448 Secs (352.935 Secs) [==>]	[1]
	5		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=5; SAMP-SEQ=SPARS50	POS TARG -1.422,-1.272		202.934095 Secs (202.934 Secs) [==>]	[1]
	6		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=3; SAMP-SEQ=RAPID	POS TARG -1.422,-1.272		8.796873 Secs (8.797 Secs) [==>]	[1]
	7		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +2.844,+2.544		8.796873 Secs (8.797 Secs) [==>]	[1]
	8		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +4.266,+3.816		8.796873 Secs (8.797 Secs) [==>]	[1]
	9		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +5.688,+5.088		8.796873 Secs (8.797 Secs) [==>]	[1]
10		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +7.110,+6.360		8.796873 Secs (8.797 Secs) [==>]	[1]	

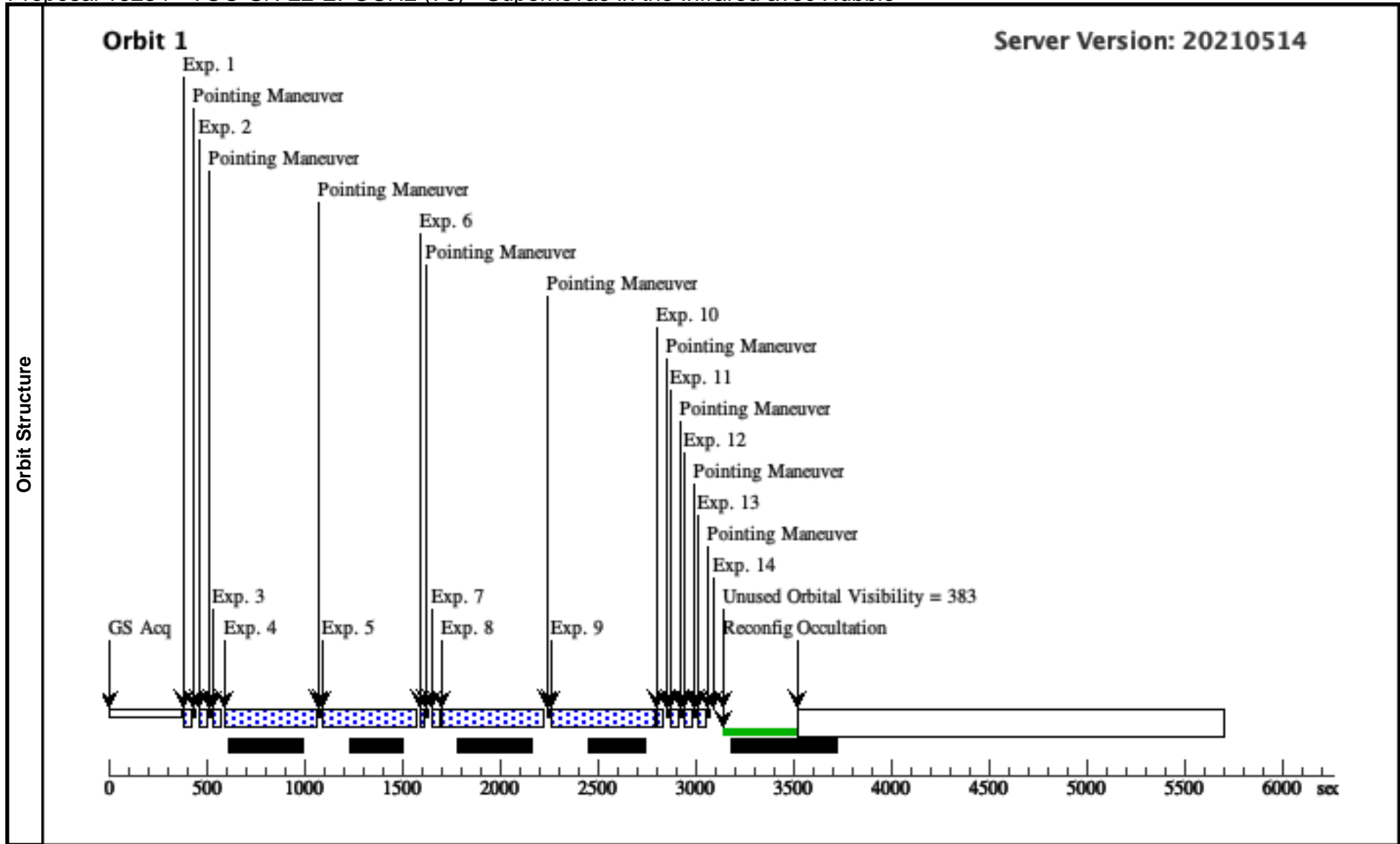


Proposal 16234 - TOO-SN-22-EPOCH2 (70) - Supernovae in the Infrared avec Hubble

Visit	Proposal 16234, TOO-SN-22-EPOCH2 (70), completed Fri Sep 10 13:01:23 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 69; AFTER 69 BY 5.0 D TO 20.0 D					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(105)		SN2021HPR Alt Name1: ATLAS21JME Alt Name2: ZTF21AARQKES	RA: 10 16 33.5197 (154.1396654d) Dec: +73 24 8.35 (73.40232d) Equinox: J2000		V=13.0+/-1.0	Reference Frame: ICRS
Comments: Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TOO-SN-22-EPOCH2 (70) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -5.688,-5.088		14.661455 Secs (14.661 Secs) [==>]	[1]
	2		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -4.266,-3.816		14.661455 Secs (14.661 Secs) [==>]	[1]
	3		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -2.844,-2.544		11.729164 Secs (11.729 Secs) [==>]	[1]
	4		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG -2.844,-2.544		452.93635 Secs (452.936 Secs) [==>]	[1]
	5		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG -1.422,-1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	6		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -1.422,-1.272		11.729164 Secs (11.729 Secs) [==>]	[1]
	7		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG 0.000,0.000		8.796873 Secs (8.797 Secs) [==>]	[1]
	8		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=11; SAMP-SEQ=SPARS50	POS TARG 0.000,0.000		502.936801 Secs (502.937 Secs) [==>]	[1]
	9		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=11; SAMP-SEQ=SPARS50	POS TARG +1.422,+1.272		502.936801 Secs (502.937 Secs) [==>]	[1]
	10		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +1.422,+1.272		8.796873 Secs (8.797 Secs) [==>]	[1]
	11		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +2.844,+2.544		8.796873 Secs (8.797 Secs) [==>]	[1]
	12		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +4.266,+3.816		8.796873 Secs (8.797 Secs) [==>]	[1]
	13		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +5.688,+5.088		8.796873 Secs (8.797 Secs) [==>]	[1]
14		(105) SN2021HPR	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +7.110,+6.360		8.796873 Secs (8.797 Secs) [==>]	[1]	

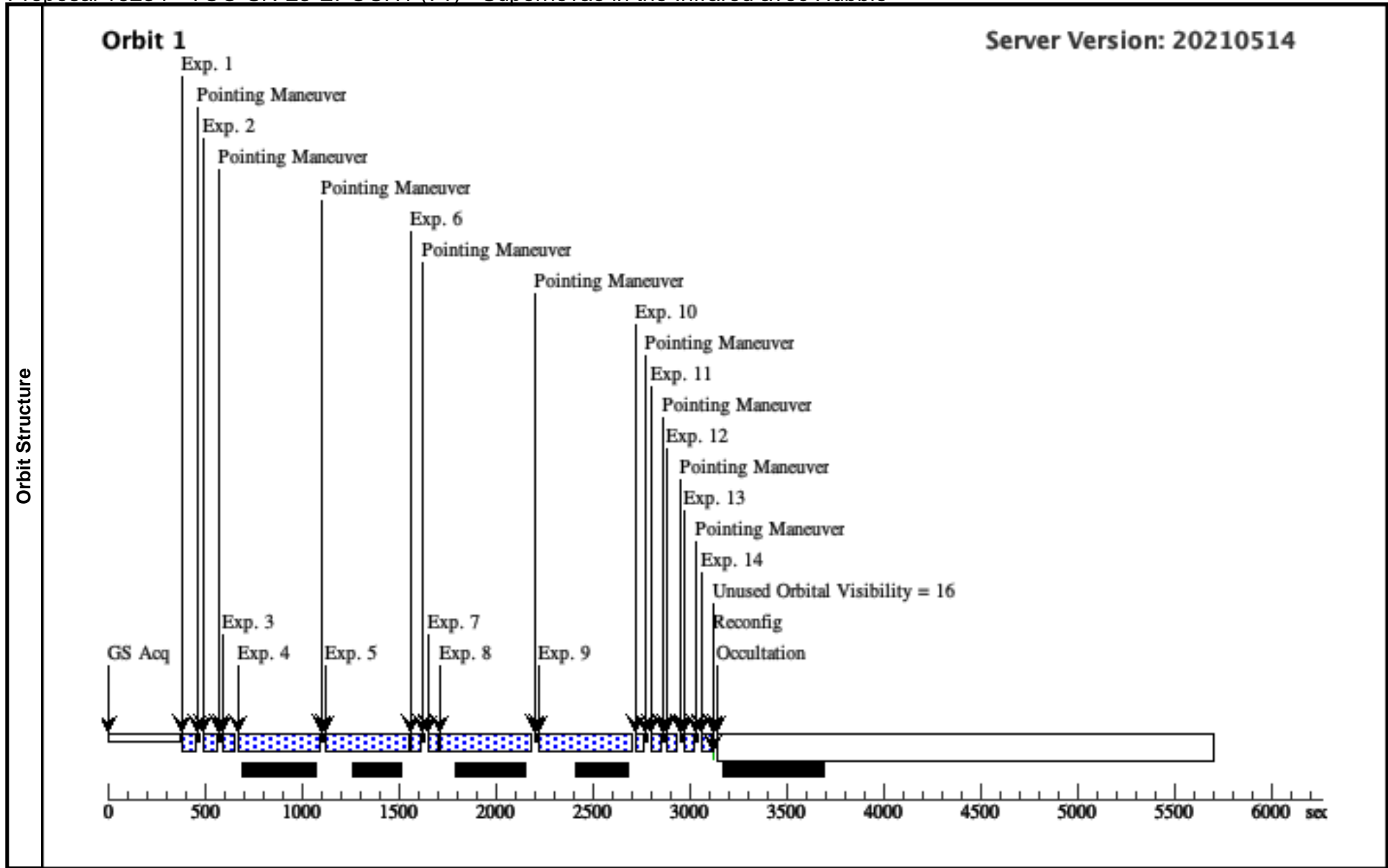


Proposal 16234 - TOO-SN-23-EPOCH1 (71) - Supernovae in the Infrared avec Hubble

Visit	Proposal 16234, TOO-SN-23-EPOCH1 (71), completed Fri Sep 10 13:01:24 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(106)		SN2021GHC Alt Name1: ATLAS21IPW Alt Name2: ZTF21AAPOWTY	RA: 09 56 33.2328 (149.1384700d) Dec: +00 44 44.77 (.74577d) Equinox: J2000		V=17.5+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TOO-SN-23-EPOCH1 (71) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088	42.936143 Secs (42.936 Secs)	[==>]	[1]	
	2	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816	42.936143 Secs (42.936 Secs)	[==>]	[1]	
	3	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544	32.93518 Secs (32.935 Secs)	[==>]	[1]	
	4	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544	402.935899 Secs (402.936 Secs)	[==>]	[1]	
	5	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272	402.935899 Secs (402.936 Secs)	[==>]	[1]	
	6	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272	32.93518 Secs (32.935 Secs)	[==>]	[1]	
	7	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	8	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000	452.93635 Secs (452.936 Secs)	[==>]	[1]	
	9	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272	452.93635 Secs (452.936 Secs)	[==>]	[1]	
	10	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	11	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	12	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	13	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088	22.934217 Secs (22.934 Secs)	[==>]	[1]	
14	(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360	22.934217 Secs (22.934 Secs)	[==>]	[1]		

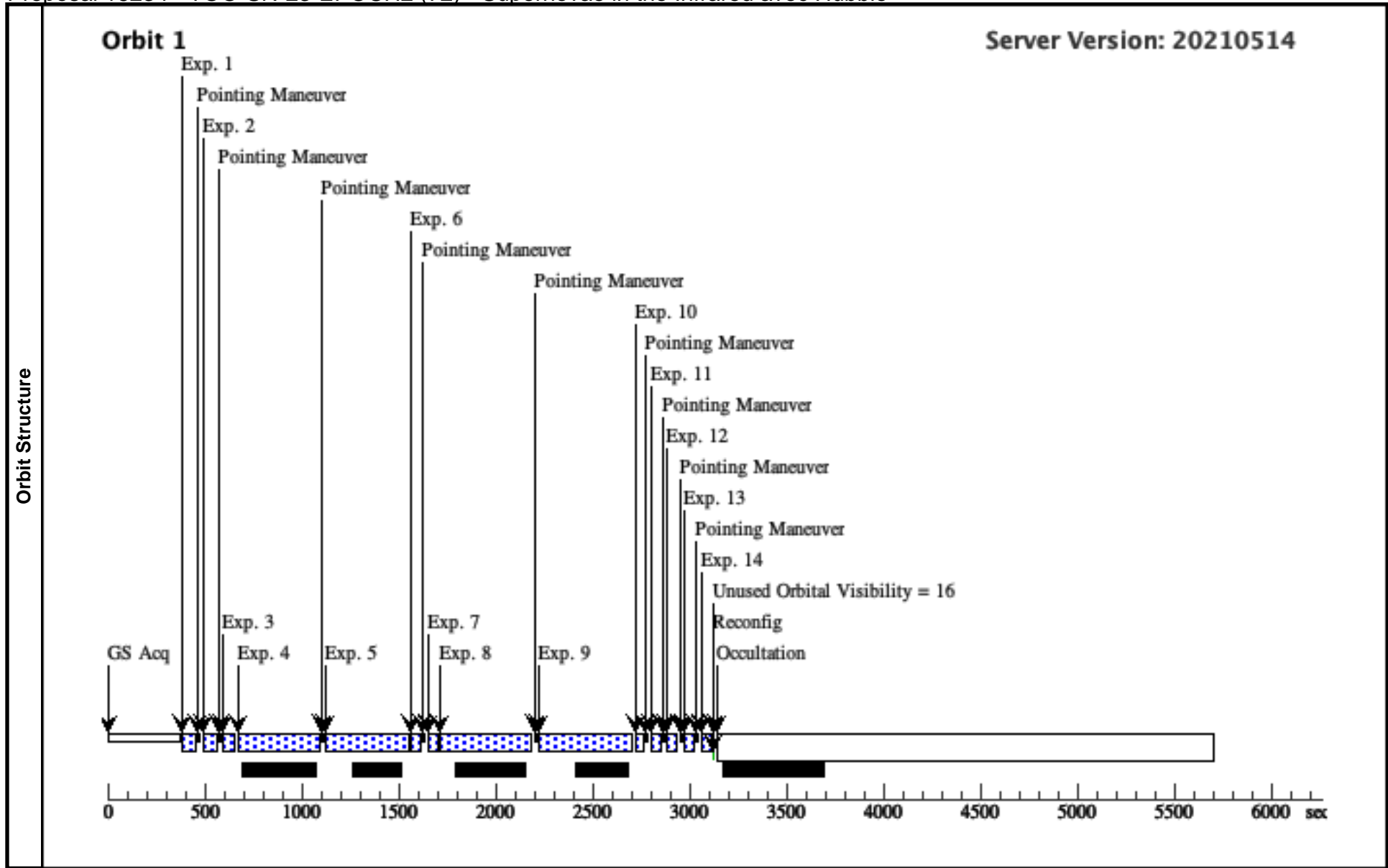


Proposal 16234 - TOO-SN-23-EPOCH2 (72) - Supernovae in the Infrared avec Hubble

Visit	Proposal 16234, TOO-SN-23-EPOCH2 (72), completed Fri Sep 10 13:01:24 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 71; AFTER 71 BY 5.0 D TO 20.0 D; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(106)		SN2021GHC Alt Name1: ATLAS21IPW Alt Name2: ZTF21AAPOWTY	RA: 09 56 33.2328 (149.1384700d) Dec: +00 44 44.77 (.74577d) Equinox: J2000		V=17.5+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TOO-SN-23-EPOCH2 (72) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	6		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		452.93635 Secs (452.936 Secs) [==>]	[1]
	9		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	10		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(106) SN2021GHC	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	



Proposal 16234 - TOO-SN-24-EPOCH1 (73) - Supernovae in the Infrared avec Hubble

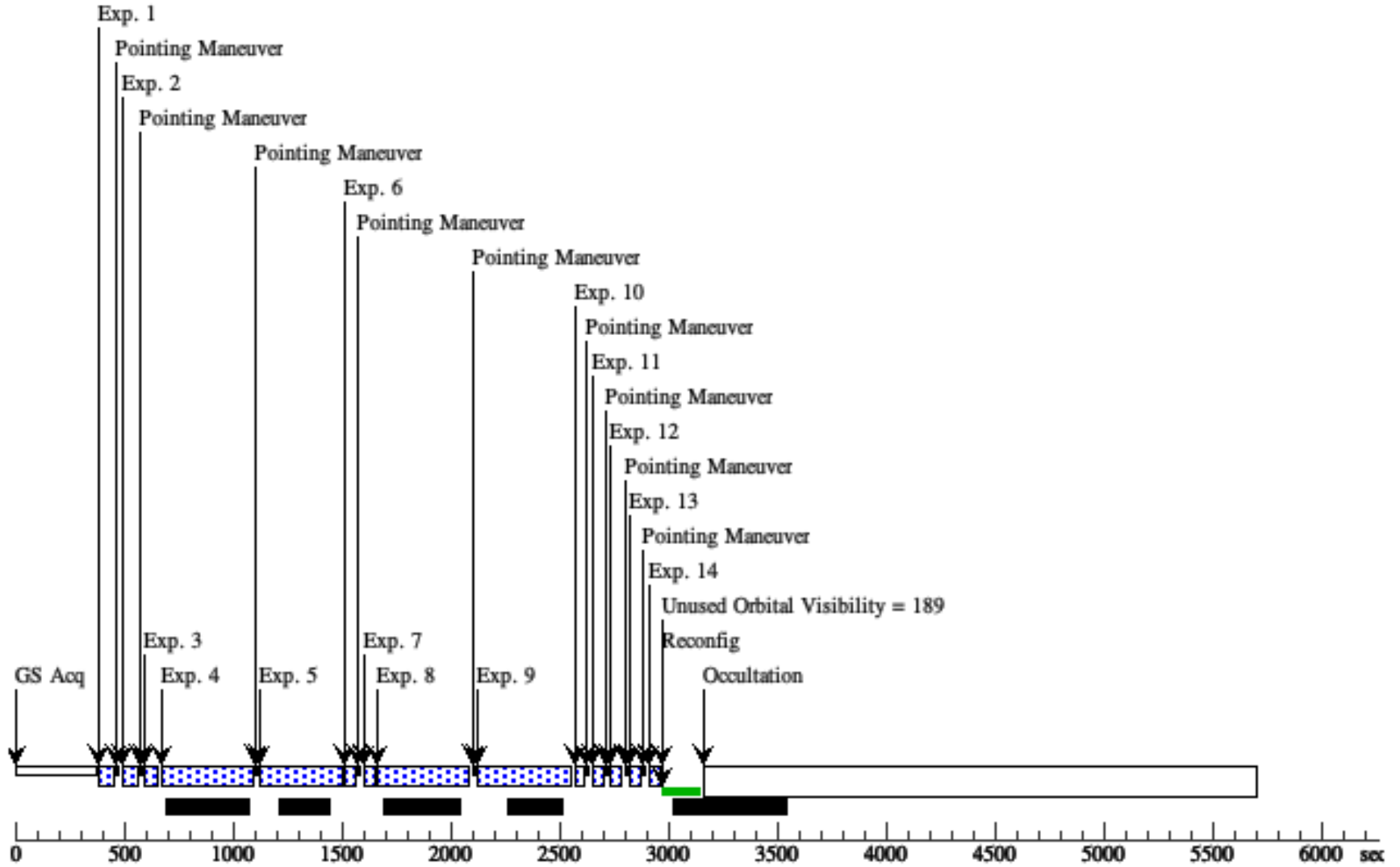
Visit	Proposal 16234, TOO-SN-24-EPOCH1 (73), completed Fri Sep 10 13:01:24 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(107)		SN2021IHZ Alt Name1: ZTF21AASAXFG	RA: 15 13 24.8790 (228.3536625d) Dec: +25 12 26.43 (25.20734d) Equinox: J2000		V=18.5+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category= <i>EXT-STAR</i> Description= <i>[SUPERNOVA TYPE IA]</i>						

Proposal 16234 - TOO-SN-24-EPOCH1 (73) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=8; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		352.935448 Secs (352.935 Secs) [==>]	[1]
	6		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		402.935899 Secs (402.936 Secs) [==>]	[1]
	9		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	10		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	

Orbit Structure

Orbit 1

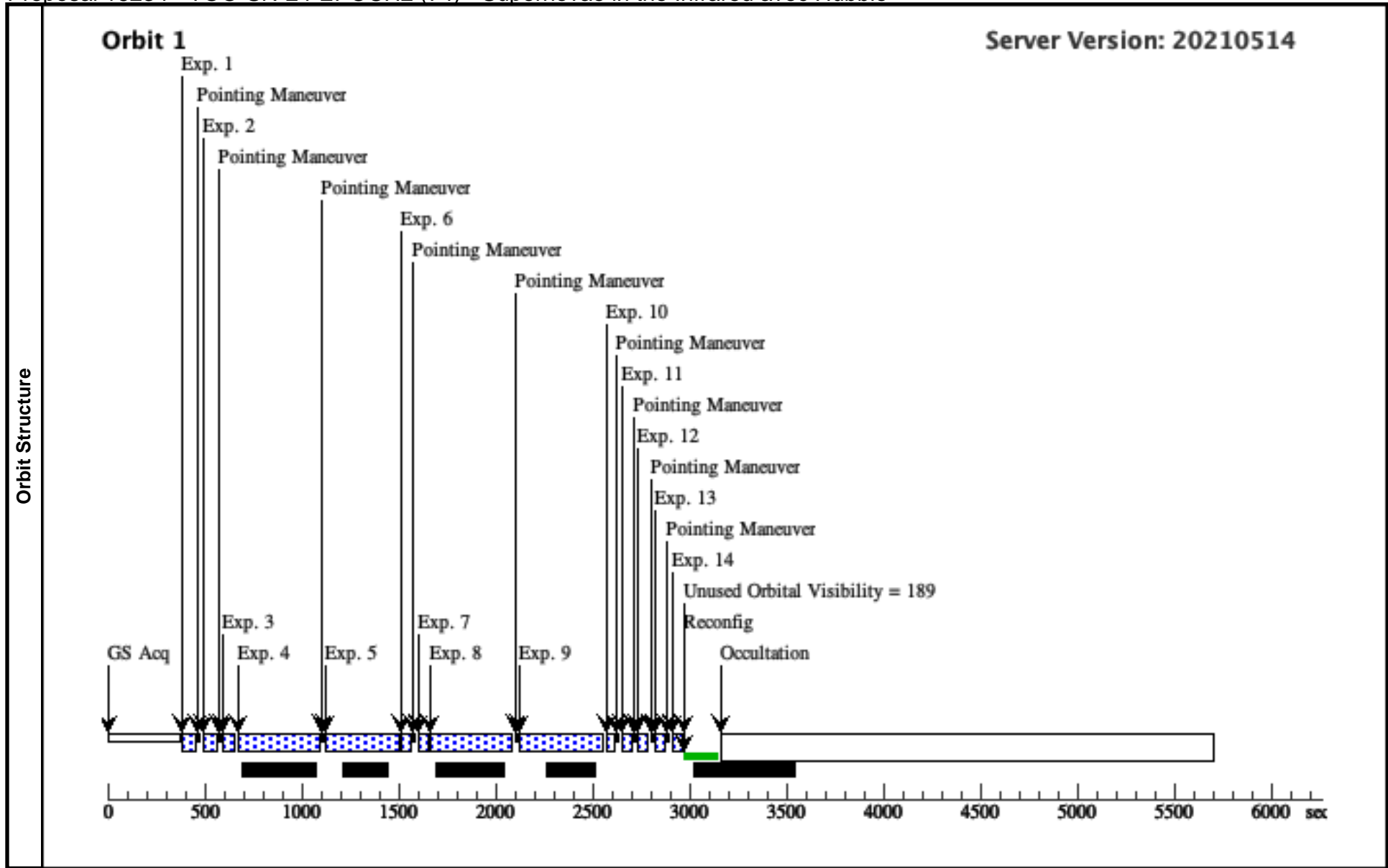


Proposal 16234 - TOO-SN-24-EPOCH2 (74) - Supernovae in the Infrared avec Hubble

Visit	Proposal 16234, TOO-SN-24-EPOCH2 (74), completed Fri Sep 10 13:01:24 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 73; AFTER 73 BY 5.0 D TO 20.0 D; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(107)		SN2021IHZ Alt Name1: ZTF21AASAXFG	RA: 15 13 24.8790 (228.3536625d) Dec: +25 12 26.43 (25.20734d) Equinox: J2000		V=18.5+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TOO-SN-24-EPOCH2 (74) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=8; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		352.935448 Secs (352.935 Secs) [==>]	[1]
	6		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		402.935899 Secs (402.936 Secs) [==>]	[1]
	9		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	10		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(107) SN2021IHZ	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	



Proposal 16234 - TOO-SN-25-EPOCH1 (75) - Supernovae in the Infrared avec Hubble

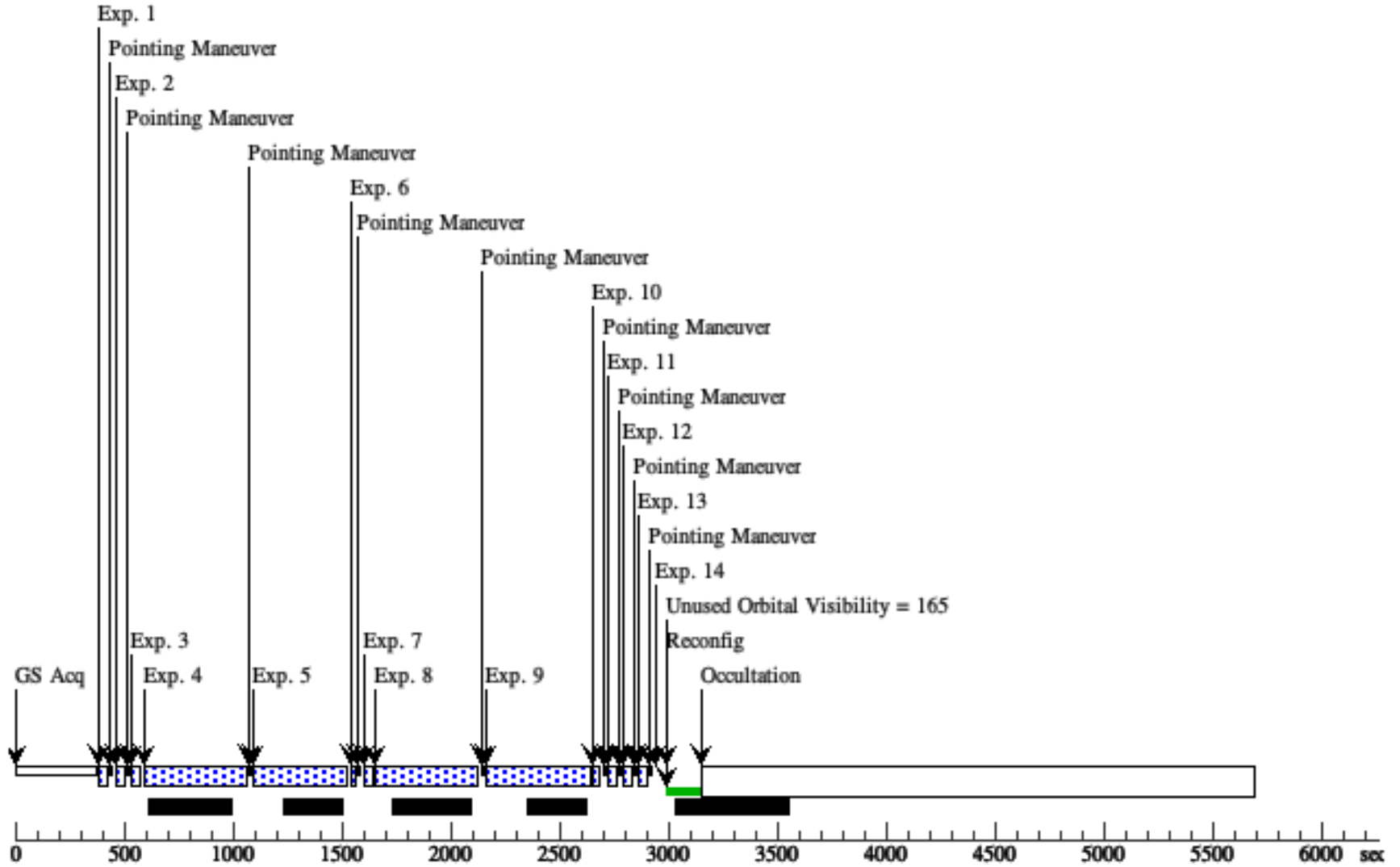
Visit	Proposal 16234, TOO-SN-25-EPOCH1 (75), completed Fri Sep 10 13:01:24 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(108)		SN2021JAD Alt Name1: ATLAS21LYP	RA: 05 33 24.1746 (83.3507275d) Dec: -21 56 51.92 (-21.94776d) Equinox: J2000		V=13.0+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category= <i>EXT-STAR</i> Description= <i>[SUPERNOVA TYPE IA]</i>						

Proposal 16234 - TOO-SN-25-EPOCH1 (75) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -5.688,-5.088		14.661455 Secs (14.661 Secs) [==>]	[1]
	2	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -4.266,-3.816		14.661455 Secs (14.661 Secs) [==>]	[1]
	3	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -2.844,-2.544		11.729164 Secs (11.729 Secs) [==>]	[1]
	4	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG -2.844,-2.544		452.93635 Secs (452.936 Secs) [==>]	[1]
	5	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPARS50	POS TARG -1.422,-1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	6	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -1.422,-1.272		11.729164 Secs (11.729 Secs) [==>]	[1]
	7	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG 0.000,0.000		8.796873 Secs (8.797 Secs) [==>]	[1]
	8	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG 0.000,0.000		452.93635 Secs (452.936 Secs) [==>]	[1]
	9	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG +1.422,+1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	10	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +1.422,+1.272		8.796873 Secs (8.797 Secs) [==>]	[1]
	11	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +2.844,+2.544		8.796873 Secs (8.797 Secs) [==>]	[1]
	12	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +4.266,+3.816		8.796873 Secs (8.797 Secs) [==>]	[1]
	13	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +5.688,+5.088		8.796873 Secs (8.797 Secs) [==>]	[1]
14	(108) SN2021JAD	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +7.110,+6.360		8.796873 Secs (8.797 Secs) [==>]	[1]	

Orbit Structure

Orbit 1



Proposal 16234 - TOO-SN-25-EPOCH2 (76) - Supernovae in the Infrared avec Hubble

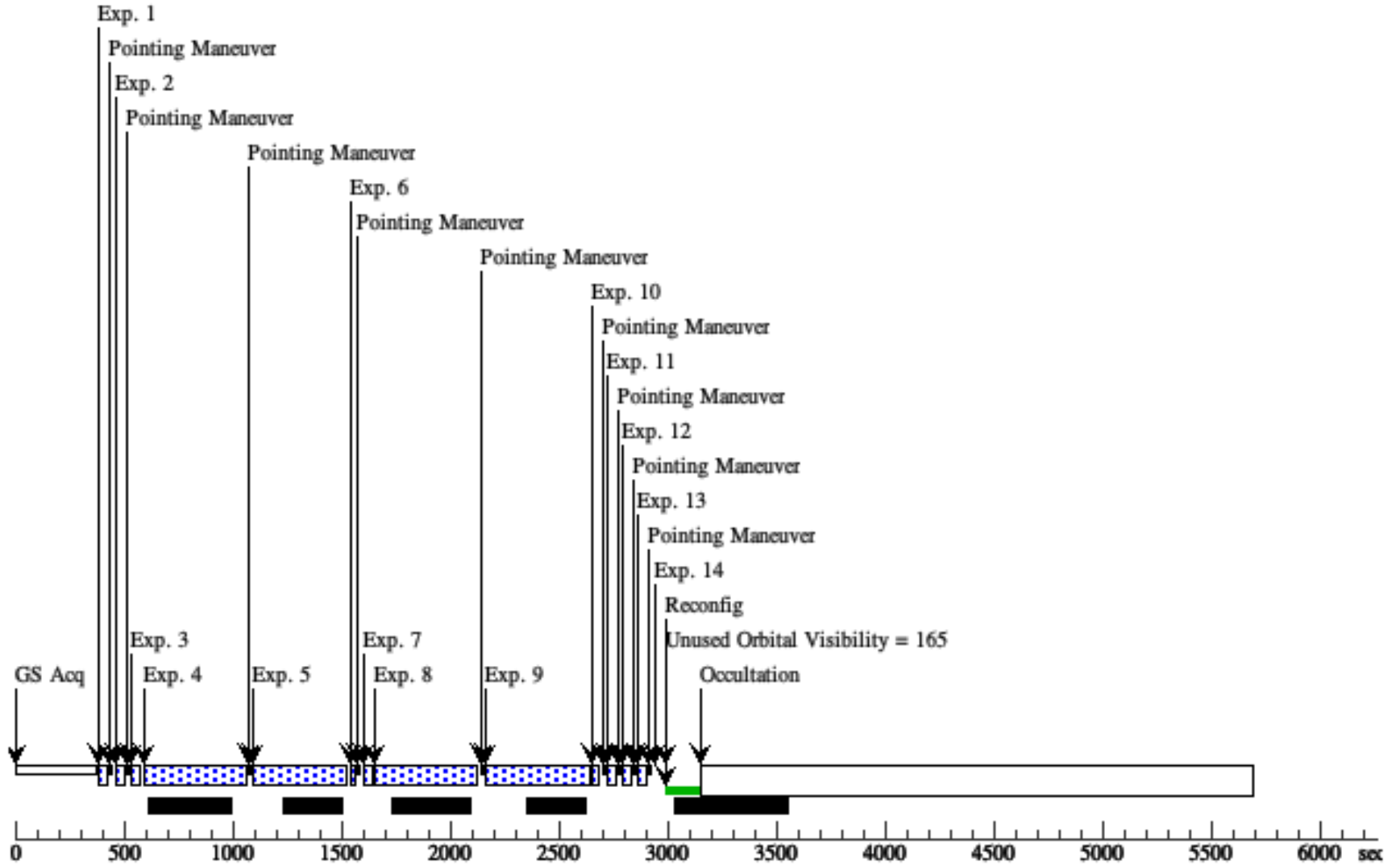
Visit	Proposal 16234, TOO-SN-25-EPOCH2 (76), completed Fri Sep 10 13:01:24 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 75; AFTER 75 BY 5.0 D TO 20.0 D; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(108)		SN2021JAD Alt Name1: ATLAS21LYP	RA: 05 33 24.1746 (83.3507275d) Dec: -21 56 51.92 (-21.94776d) Equinox: J2000		V=13.0+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category= <i>EXT-STAR</i> Description= <i>[SUPERNOVA TYPE IA]</i>						

Proposal 16234 - TOO-SN-25-EPOCH2 (76) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -5.688,-5.088			14.661455 Secs (14.661 Secs)	[1]
	2	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -4.266,-3.816			14.661455 Secs (14.661 Secs)	[1]
	3	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -2.844,-2.544			11.729164 Secs (11.729 Secs)	[1]
	4	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG -2.844,-2.544			452.93635 Secs (452.936 Secs)	[1]
	5	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPARS50	POS TARG -1.422,-1.272			402.935899 Secs (402.936 Secs)	[1]
	6	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -1.422,-1.272			11.729164 Secs (11.729 Secs)	[1]
	7	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG 0.000,0.000			8.796873 Secs (8.797 Secs)	[1]
	8	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG 0.000,0.000			452.93635 Secs (452.936 Secs)	[1]
	9	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG +1.422,+1.272			452.93635 Secs (452.936 Secs)	[1]
	10	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +1.422,+1.272			8.796873 Secs (8.797 Secs)	[1]
	11	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +2.844,+2.544			8.796873 Secs (8.797 Secs)	[1]
	12	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +4.266,+3.816			8.796873 Secs (8.797 Secs)	[1]
	13	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +5.688,+5.088			8.796873 Secs (8.797 Secs)	[1]
14	(108) SN2021JAD	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +7.110,+6.360			8.796873 Secs (8.797 Secs)	[1]	

Orbit Structure

Orbit 1



Proposal 16234 - TEMPLATE-SN-01-2020FXA (81) - Supernovae in the Infrared avec Hubble

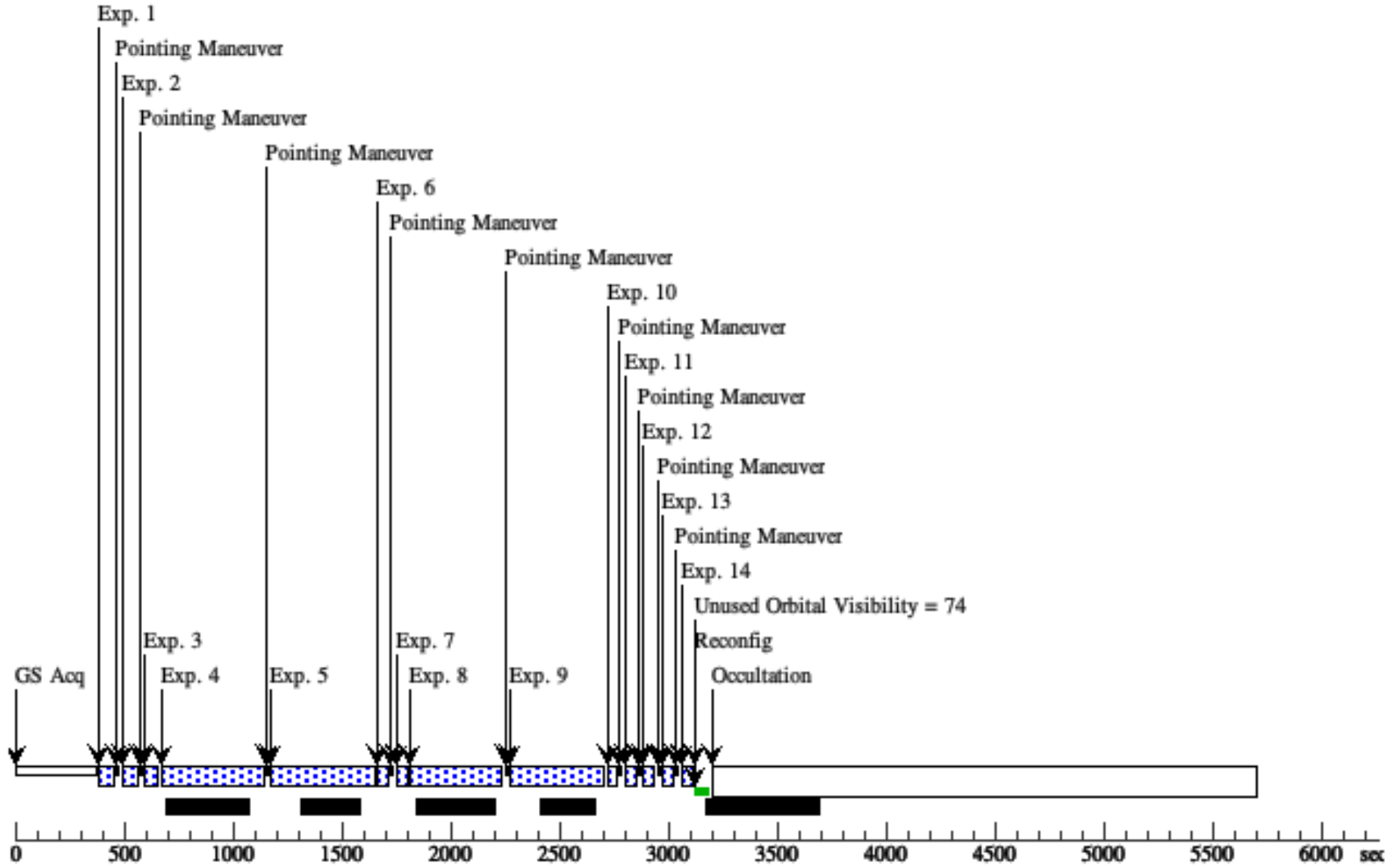
Visit	Proposal 16234, TEMPLATE-SN-01-2020FXA (81), completed Fri Sep 10 13:01:24 GMT 2021					
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 216.998D TO 216.999 D					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(75)	SN2020FXA Alt Name1: ZTF20AAUOWAM	RA: 15 34 32.7491 (233.6364546d) Dec: +37 31 38.12 (37.52726d) Equinox: J2000		V=18.5+/-1.0	Reference Frame: ICRS
Comments: Category= <i>EXT-STAR</i> Description= <i>[SUPERNOVA TYPE IA]</i>						

Proposal 16234 - TEMPLATE-SN-01-2020FXA (81) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		452.93635 Secs (452.936 Secs) [==>]	[1]
	5		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	6		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		402.935899 Secs (402.936 Secs) [==>]	[1]
	9		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	10		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(75) SN2020FXA	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	

Orbit Structure

Orbit 1



Proposal 16234 - TEMPLATE-SN-02-2020KPX (82) - Supernovae in the Infrared avec Hubble

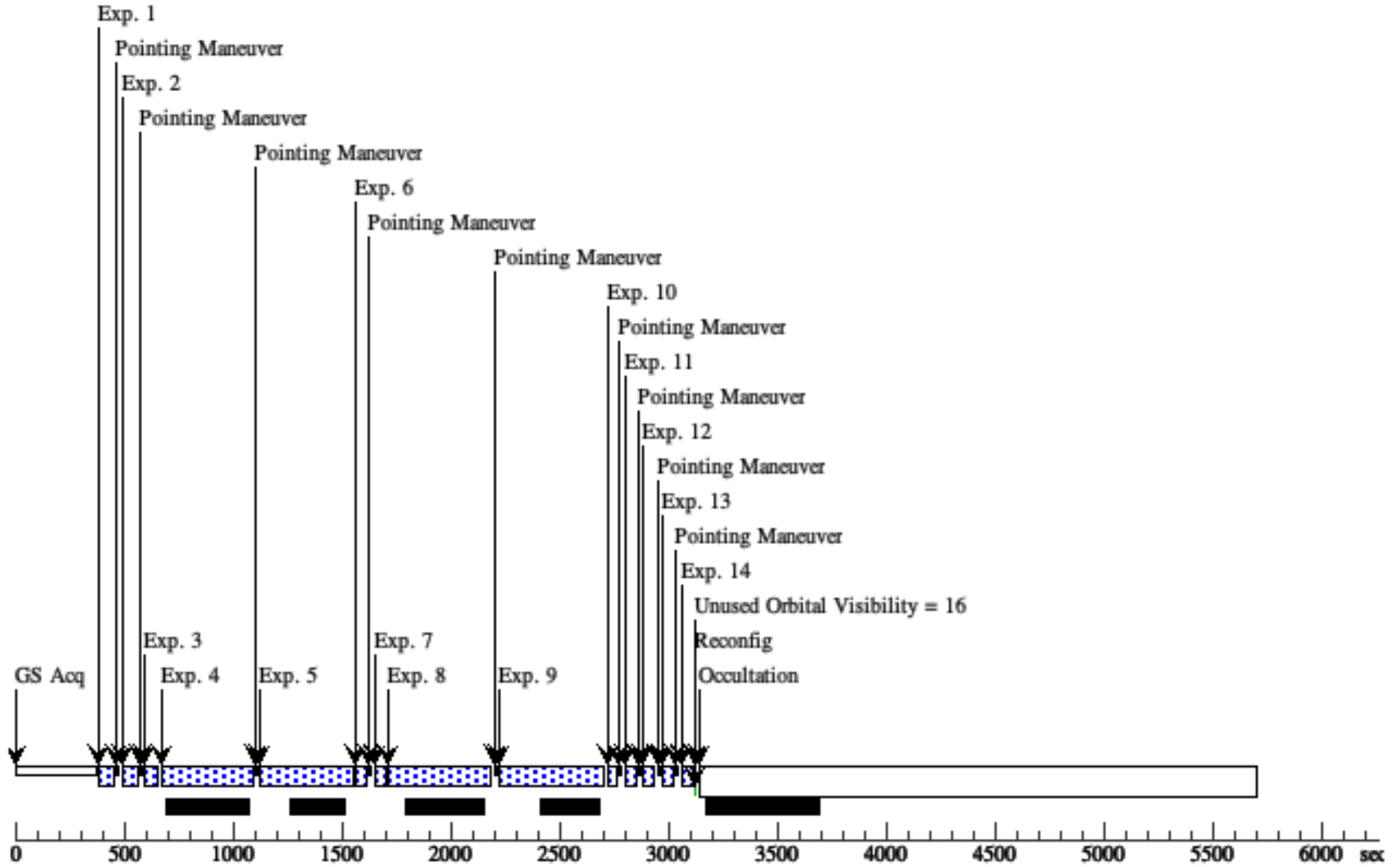
Visit	Proposal 16234, TEMPLATE-SN-02-2020KPX (82), completed Fri Sep 10 13:01:24 GMT 2021					
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 141.500D TO 141.500 D					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(78)	SN2020KPX Alt Name1: ATLAS20NGG	RA: 15 38 9.4005 (234.5391687d) Dec: +04 47 0.21 (4.78339d) Equinox: J2000		V=16.0+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category= <i>EXT-STAR</i> Description= <i>[SUPERNOVA TYPE IA]</i>						

Proposal 16234 - TEMPLATE-SN-02-2020KPX (82) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088	42.936143 Secs (42.936 Secs)	[==>]	[1]	
	2	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816	42.936143 Secs (42.936 Secs)	[==>]	[1]	
	3	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544	32.93518 Secs (32.935 Secs)	[==>]	[1]	
	4	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544	402.935899 Secs (402.936 Secs)	[==>]	[1]	
	5	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272	402.935899 Secs (402.936 Secs)	[==>]	[1]	
	6	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272	32.93518 Secs (32.935 Secs)	[==>]	[1]	
	7	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	8	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000	452.93635 Secs (452.936 Secs)	[==>]	[1]	
	9	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272	452.93635 Secs (452.936 Secs)	[==>]	[1]	
	10	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	11	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	12	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816	22.934217 Secs (22.934 Secs)	[==>]	[1]	
	13	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088	22.934217 Secs (22.934 Secs)	[==>]	[1]	
14	(78) SN2020KPX	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360	22.934217 Secs (22.934 Secs)	[==>]	[1]		

Orbit Structure

Orbit 1

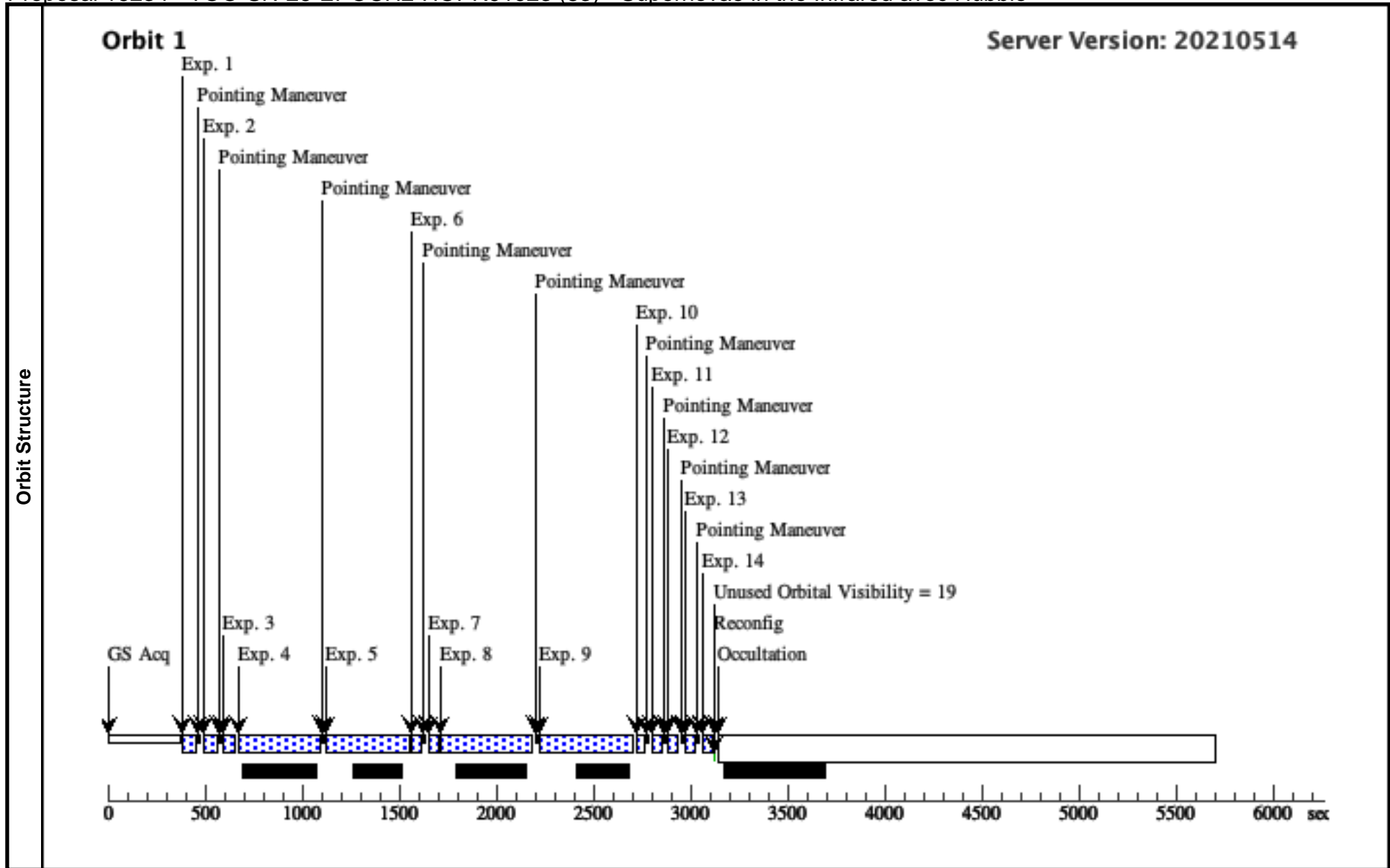


Proposal 16234 - TOO-SN-26-EPOCH2-HOPR91923 (83) - Supernovae in the Infrared avec Hubble

Visit	Proposal 16234, TOO-SN-26-EPOCH2-HOPR91923 (83), completed Fri Sep 10 13:01:24 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 91; AFTER 91 BY 5.0 D TO 20.0 D; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(109)		SN2021HOV Alt Name1: ATLAS21KXN Alt Name2: ZTF21AATJAVC	RA: 09 26 39.4485 (141.6643688d) Dec: -07 05 24.39 (-7.09011d) Equinox: J2000		V=17.5+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TOO-SN-26-EPOCH2-HOPR91923 (83) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	6		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		452.93635 Secs (452.936 Secs) [==>]	[1]
	9		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	10		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	

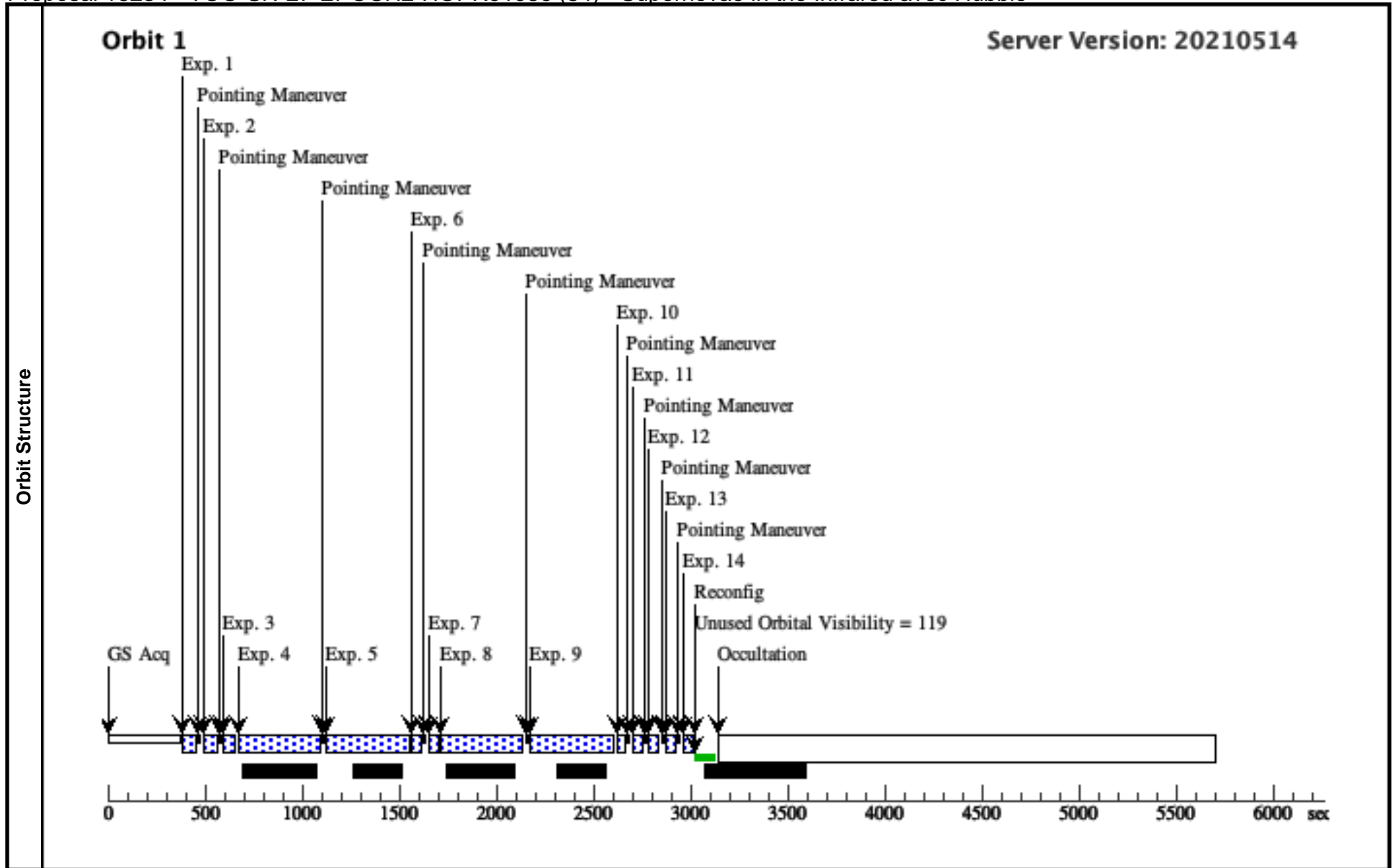


Proposal 16234 - TOO-SN-27-EPOCH2-HOPR91986 (84) - Supernovae in the Infrared avec Hubble

Visit	Proposal 16234, TOO-SN-27-EPOCH2-HOPR91986 (84), completed Fri Sep 10 13:01:24 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 92; AFTER 92 BY 5.0 D TO 20.0 D; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(110)		SN2021MIM Alt Name1: ZTF21ABBKGL0 Alt Name2: ATLAS21PDK	RA: 15 40 22.4623 (235.0935929d) Dec: +07 16 55.71 (7.28214d) Equinox: J2000		V=17.0+/-1.5	Reference Frame: ICRS
<i>Comments:</i> Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TOO-SN-27-EPOCH2-HOPR91986 (84) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	6		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		402.935899 Secs (402.936 Secs) [==>]	[1]
	9		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	10		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	



Proposal 16234 - TEMPLATE-SN-05-2020KYX (85) - Supernovae in the Infrared avec Hubble

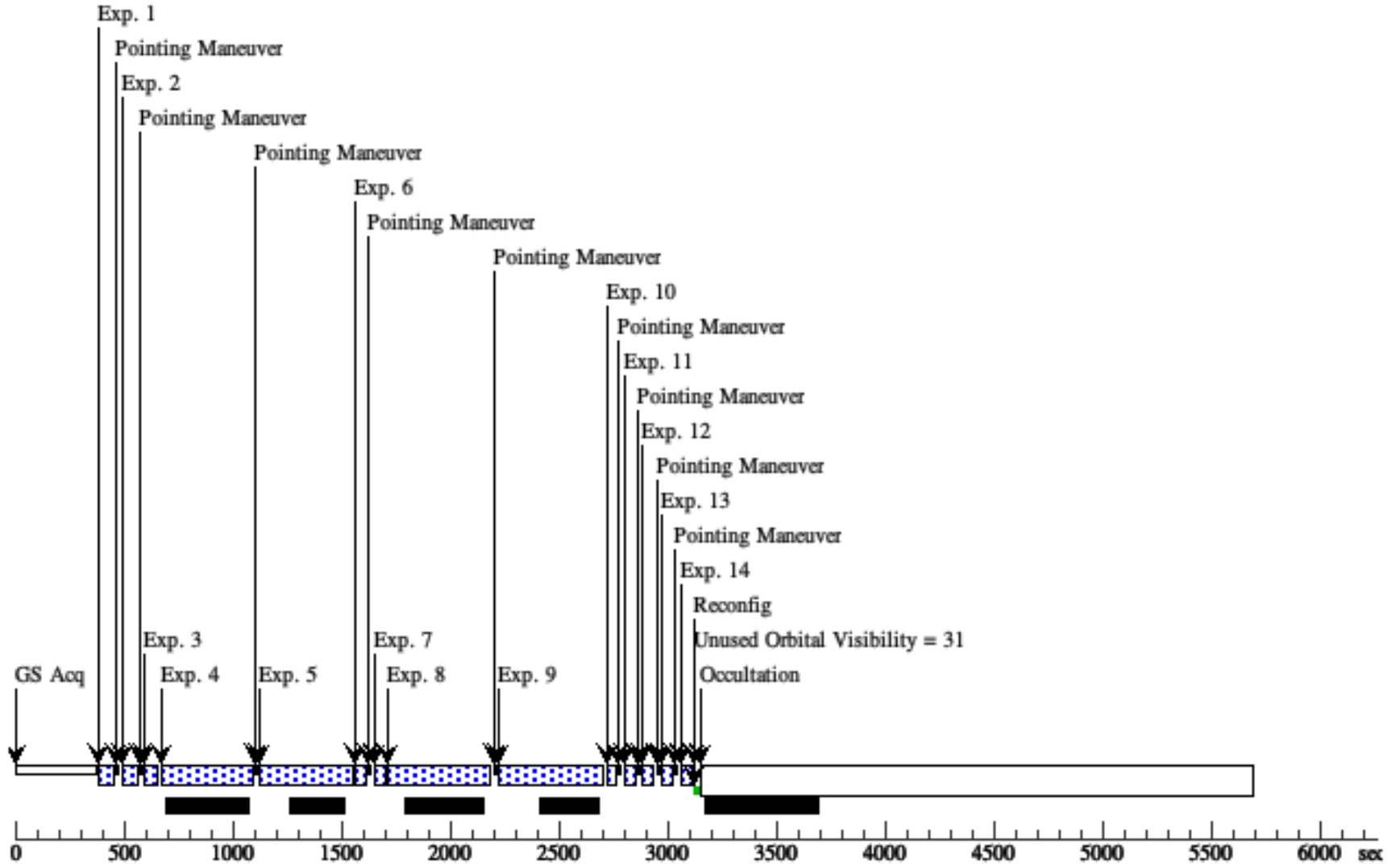
Visit	Proposal 16234, TEMPLATE-SN-05-2020KYX (85), failed Fri Sep 10 13:01:24 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 156.236D TO 156.236 D; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(79)		SN2020KYX Alt Name1: ZTF20ABBHYXU	RA: 16 13 43.8468 (243.4326950d) Dec: +22 55 31.97 (22.92555d) Equinox: J2000		V=16.5+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TEMPLATE-SN-05-2020KYX (85) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	6		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		452.93635 Secs (452.936 Secs) [==>]	[1]
	9		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	10		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	

Orbit Structure

Orbit 1



Proposal 16234 - TEMPLATE-SN-05-2020KYX (95) - Supernovae in the Infrared avec Hubble

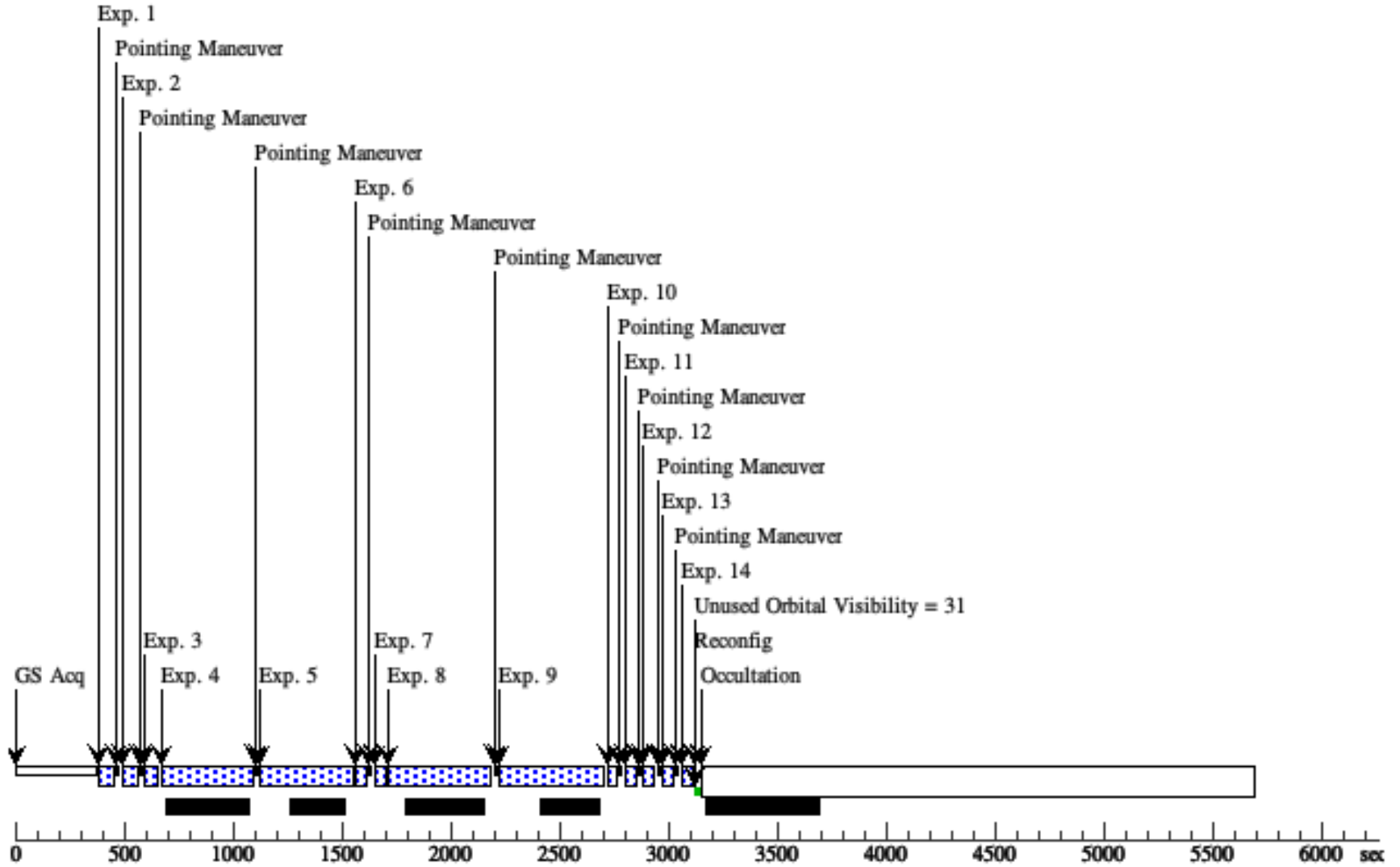
Visit	Proposal 16234, TEMPLATE-SN-05-2020KYX (95), scheduling Fri Sep 10 13:01:24 GMT 2021					
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 156.6D TO 156.7 D					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(79)	SN2020KYX Alt Name1: ZTF20ABBHYXU	RA: 16 13 43.8468 (243.4326950d) Dec: +22 55 31.97 (22.92555d) Equinox: J2000		V=16.5+/-1.0	Reference Frame: ICRS
Comments: Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TEMPLATE-SN-05-2020KYX (95) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	6		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		452.93635 Secs (452.936 Secs) [==>]	[1]
	9		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	10		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(79) SN2020KYX	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	

Orbit Structure

Orbit 1



Proposal 16234 - TEMPLATE-SN-06-2020RGZ (86) - Supernovae in the Infrared avec Hubble

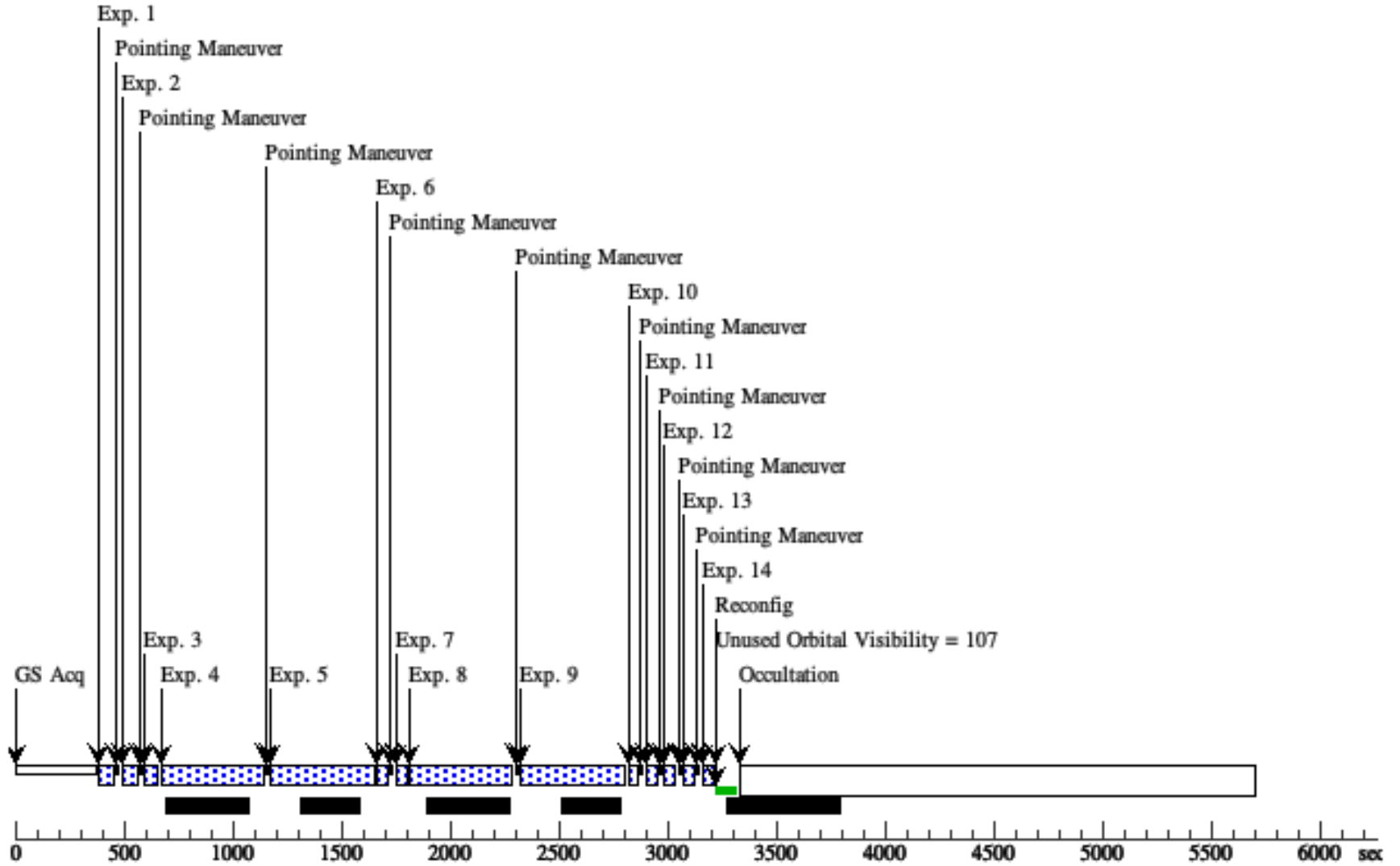
Visit	Proposal 16234, TEMPLATE-SN-06-2020RGZ (86), scheduled Fri Sep 10 13:01:24 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 100.0D TO 102.0 D; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(86)		SN2020RGZ Alt Name1: ZTF18AATRKG	RA: 18 12 1.0591 (273.0044129d) Dec: +51 43 33.37 (51.72594d) Equinox: J2000		V=17.0+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category= <i>EXT-STAR</i> Description= <i>[SUPERNOVA TYPE IA]</i>						

Proposal 16234 - TEMPLATE-SN-06-2020RGZ (86) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088; GS ACQ SCENARI O BASE1B3		42.936143 Secs (42.936 Secs) [==>]	[1]
	2	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		452.93635 Secs (452.936 Secs) [==>]	[1]
	5	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	6	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		452.93635 Secs (452.936 Secs) [==>]	[1]
	9	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	10	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14	(86) SN2020RGZ	(86) SN2020RGZ	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	

Orbit Structure

Orbit 1



Proposal 16234 - TEMPLATE-SN-07-2020TKP (87) - Supernovae in the Infrared avec Hubble

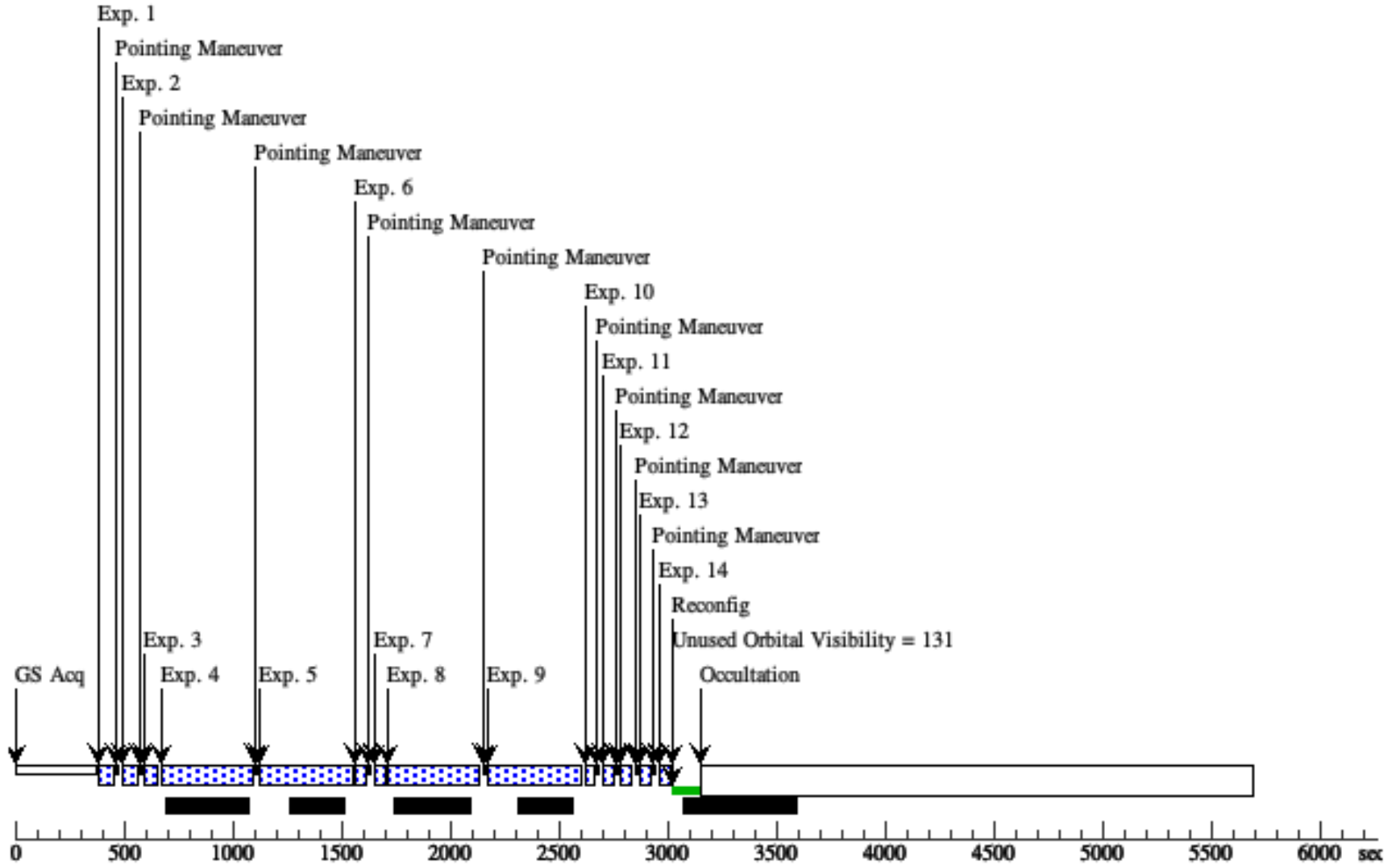
Visit	Proposal 16234, TEMPLATE-SN-07-2020TKP (87), scheduling Fri Sep 10 13:01:24 GMT 2021					
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 126.756D TO 126.756 D; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(89)	SN2020TKP Alt Name1: ZTF20ABZBFCT Alt Name2: PS20HOA	RA: 23 58 11.4534 (359.5477225d) Dec: +22 46 21.59 (22.77266d) Equinox: J2000		V=17.5+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TEMPLATE-SN-07-2020TKP (87) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	6		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		402.935899 Secs (402.936 Secs) [==>]	[1]
	9		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	10		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(89) SN2020TKP	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	

Orbit Structure

Orbit 1



Proposal 16234 - TEMPLATE-SN-08-2020TUG (88) - Supernovae in the Infrared avec Hubble

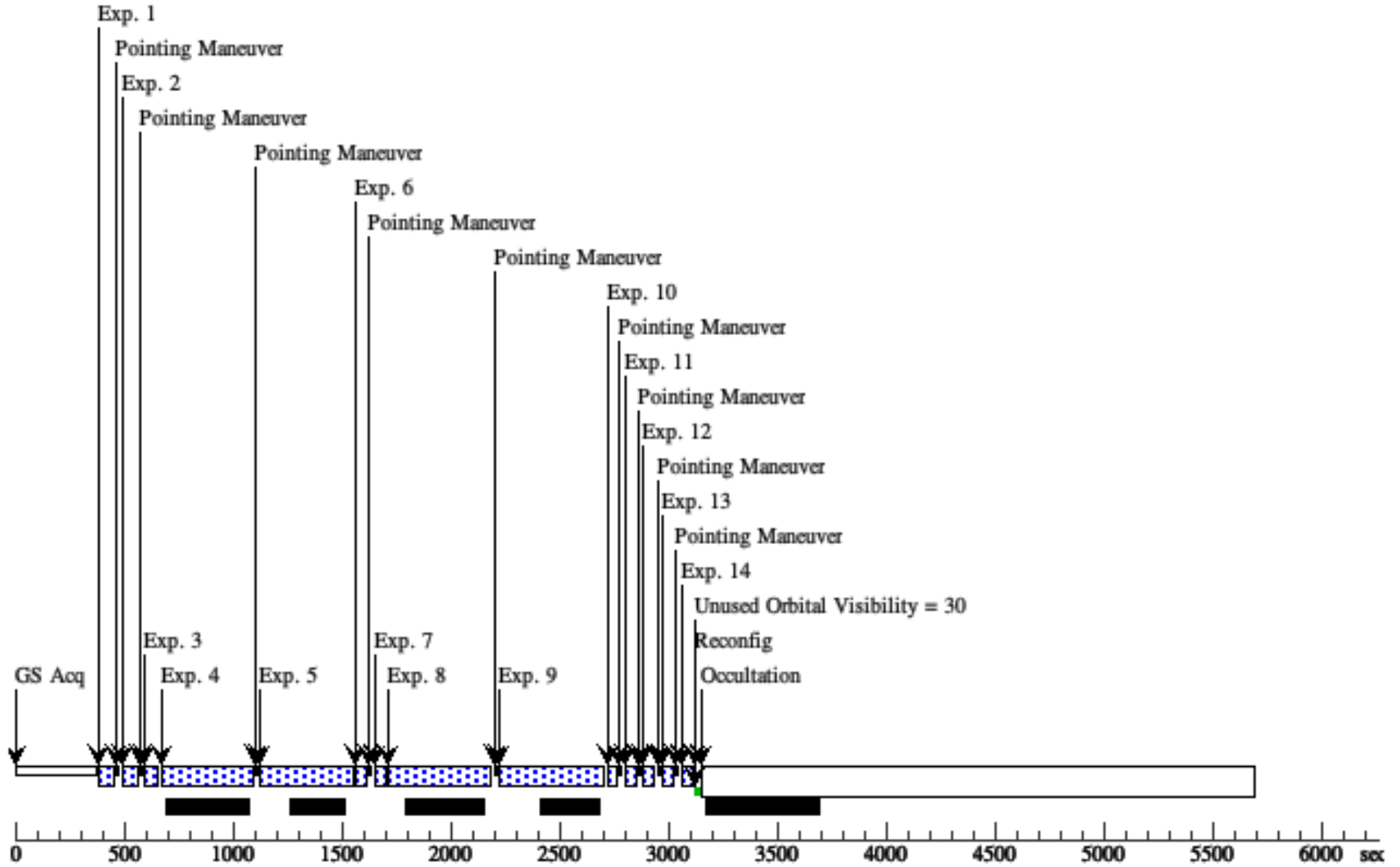
Visit	Proposal 16234, TEMPLATE-SN-08-2020TUG (88), scheduling Fri Sep 10 13:01:24 GMT 2021					
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 113.0D TO 113.1 D; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(90)	SN2020TUG Alt Name1: ZTF20ACBOVRT	RA: 23 59 28.1666 (359.8673608d) Dec: +17 51 49.63 (17.86379d) Equinox: J2000		V=17.5+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category=EXT-STAR Description=[SUPERNOVA]						

Proposal 16234 - TEMPLATE-SN-08-2020TUG (88) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	6		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		452.93635 Secs (452.936 Secs) [==>]	[1]
	9		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	10		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(90) SN2020TUG	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	

Orbit Structure

Orbit 1

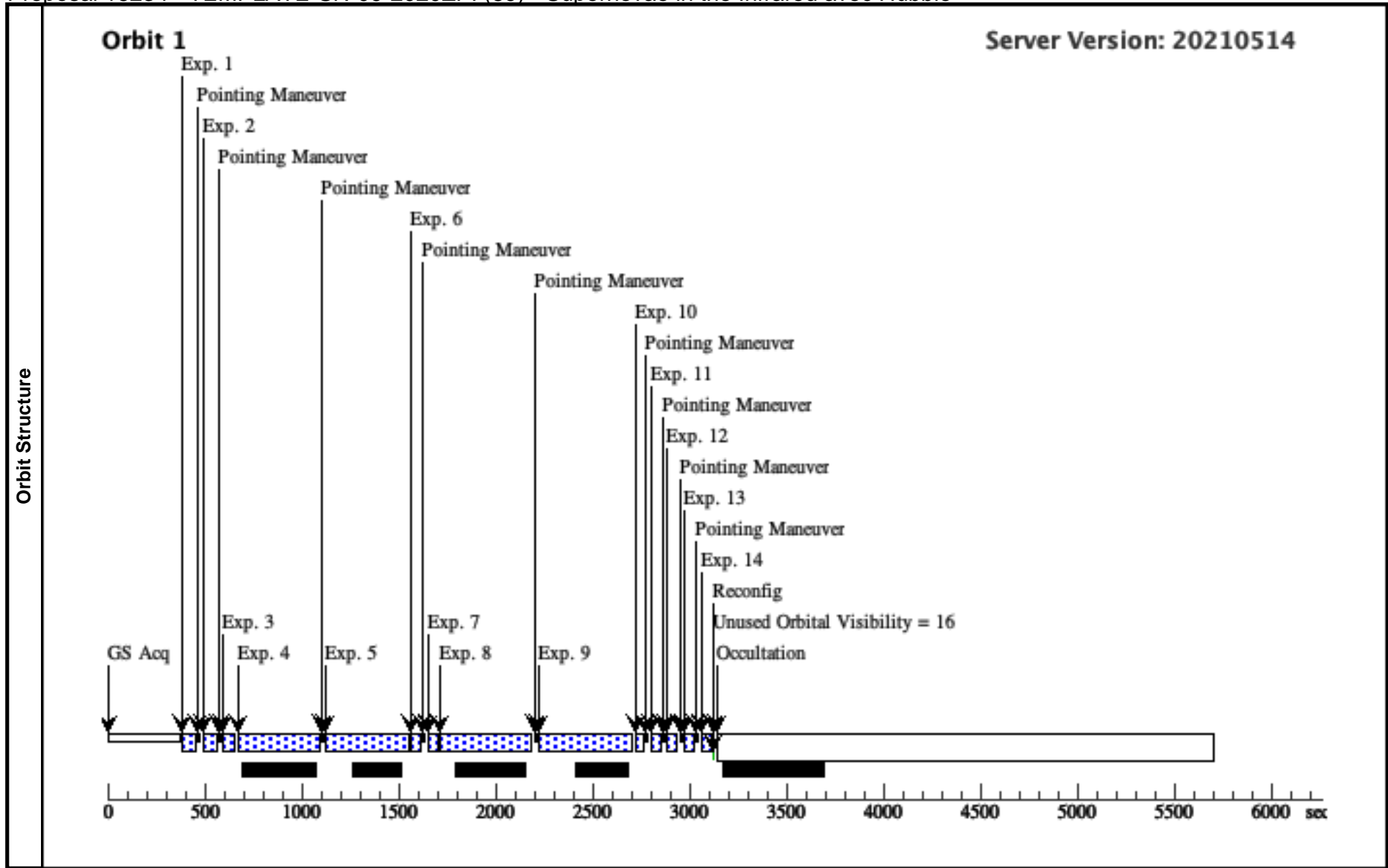


Proposal 16234 - TEMPLATE-SN-09-2020ZPI (89) - Supernovae in the Infrared avec Hubble

Visit	Proposal 16234, TEMPLATE-SN-09-2020ZPI (89), scheduling Fri Sep 10 13:01:24 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 46.5D TO 47.0 D; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(102)		SN2020ZPI Alt Name1: ZTF20ACQKSDI	RA: 02 40 20.4018 (40.0850075d) Dec: -01 26 26.58 (-1.44072d) Equinox: J2000		V=17.0+/-1.5	Reference Frame: ICRS
<i>Comments:</i> Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TEMPLATE-SN-09-2020ZPI (89) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	6		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		452.93635 Secs (452.936 Secs) [==>]	[1]
	9		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	10		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(102) SN2020ZPI	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	

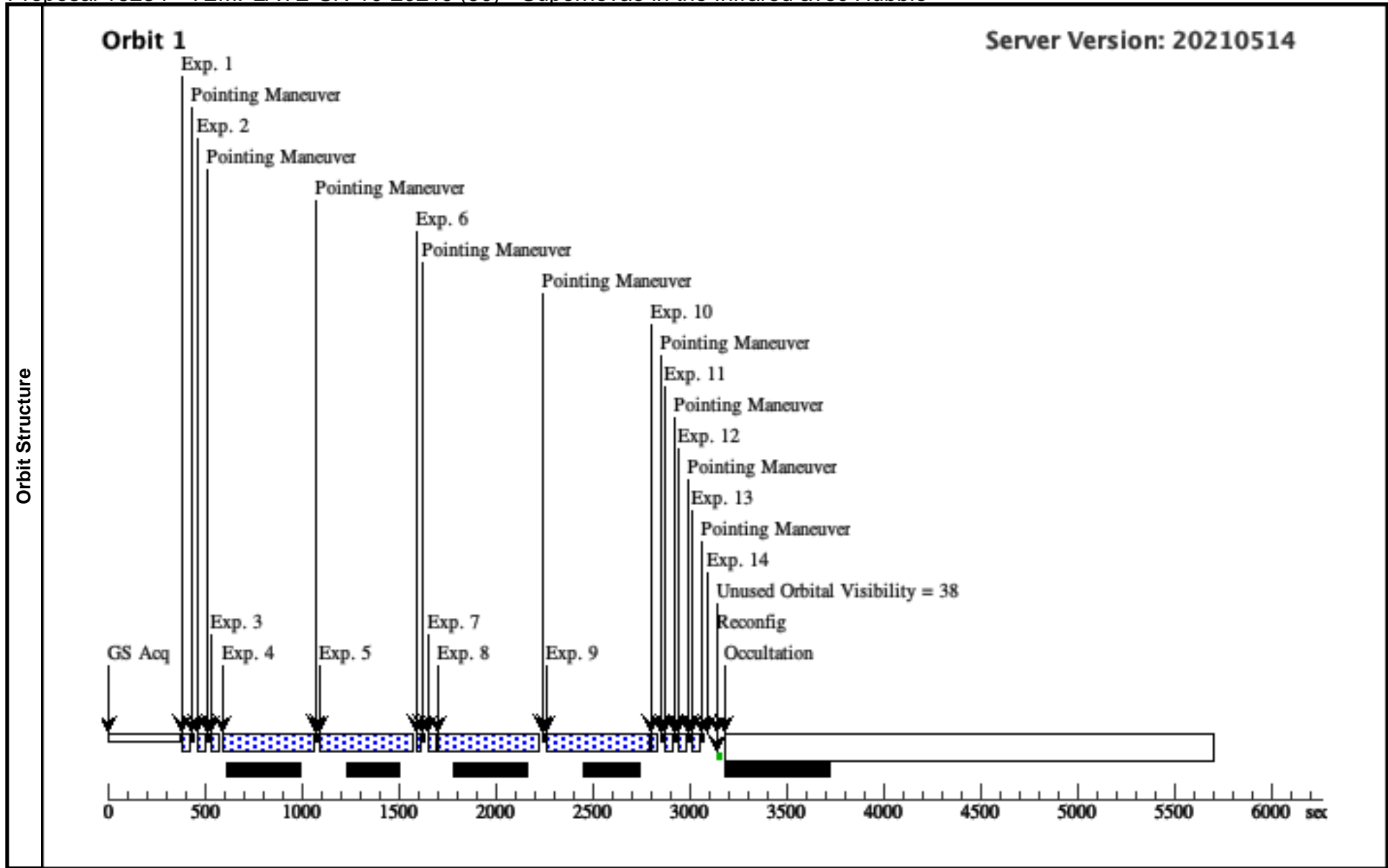


Proposal 16234 - TEMPLATE-SN-10-2021J (90) - Supernovae in the Infrared avec Hubble

Visit	Proposal 16234, TEMPLATE-SN-10-2021J (90), implementation Fri Sep 10 13:01:24 GMT 2021					
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 67; ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(104)	SN2021J Alt Name1: ZTF21AAAABVIT	RA: 12 26 27.0310 (186.6126292d) Dec: +31 13 20.59 (31.22239d) Equinox: J2000		V=13.0+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TEMPLATE-SN-10-2021J (90) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -5.688,-5.088		14.661455 Secs (14.661 Secs) [==>]	[1]
	2		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -4.266,-3.816		14.661455 Secs (14.661 Secs) [==>]	[1]
	3		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -2.844,-2.544		11.729164 Secs (11.729 Secs) [==>]	[1]
	4		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG -2.844,-2.544		452.93635 Secs (452.936 Secs) [==>]	[1]
	5		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=10; SAMP-SEQ=SPARS50	POS TARG -1.422,-1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	6		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=RAPID	POS TARG -1.422,-1.272		11.729164 Secs (11.729 Secs) [==>]	[1]
	7		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG 0.000,0.000		8.796873 Secs (8.797 Secs) [==>]	[1]
	8		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=11; SAMP-SEQ=SPARS50	POS TARG 0.000,0.000		502.936801 Secs (502.937 Secs) [==>]	[1]
	9		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=11; SAMP-SEQ=SPARS50	POS TARG +1.422,+1.272		502.936801 Secs (502.937 Secs) [==>]	[1]
	10		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +1.422,+1.272		8.796873 Secs (8.797 Secs) [==>]	[1]
	11		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +2.844,+2.544		8.796873 Secs (8.797 Secs) [==>]	[1]
	12		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +4.266,+3.816		8.796873 Secs (8.797 Secs) [==>]	[1]
	13		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +5.688,+5.088		8.796873 Secs (8.797 Secs) [==>]	[1]
14		(104) SN2021J	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=RAPID	POS TARG +7.110,+6.360		8.796873 Secs (8.797 Secs) [==>]	[1]	

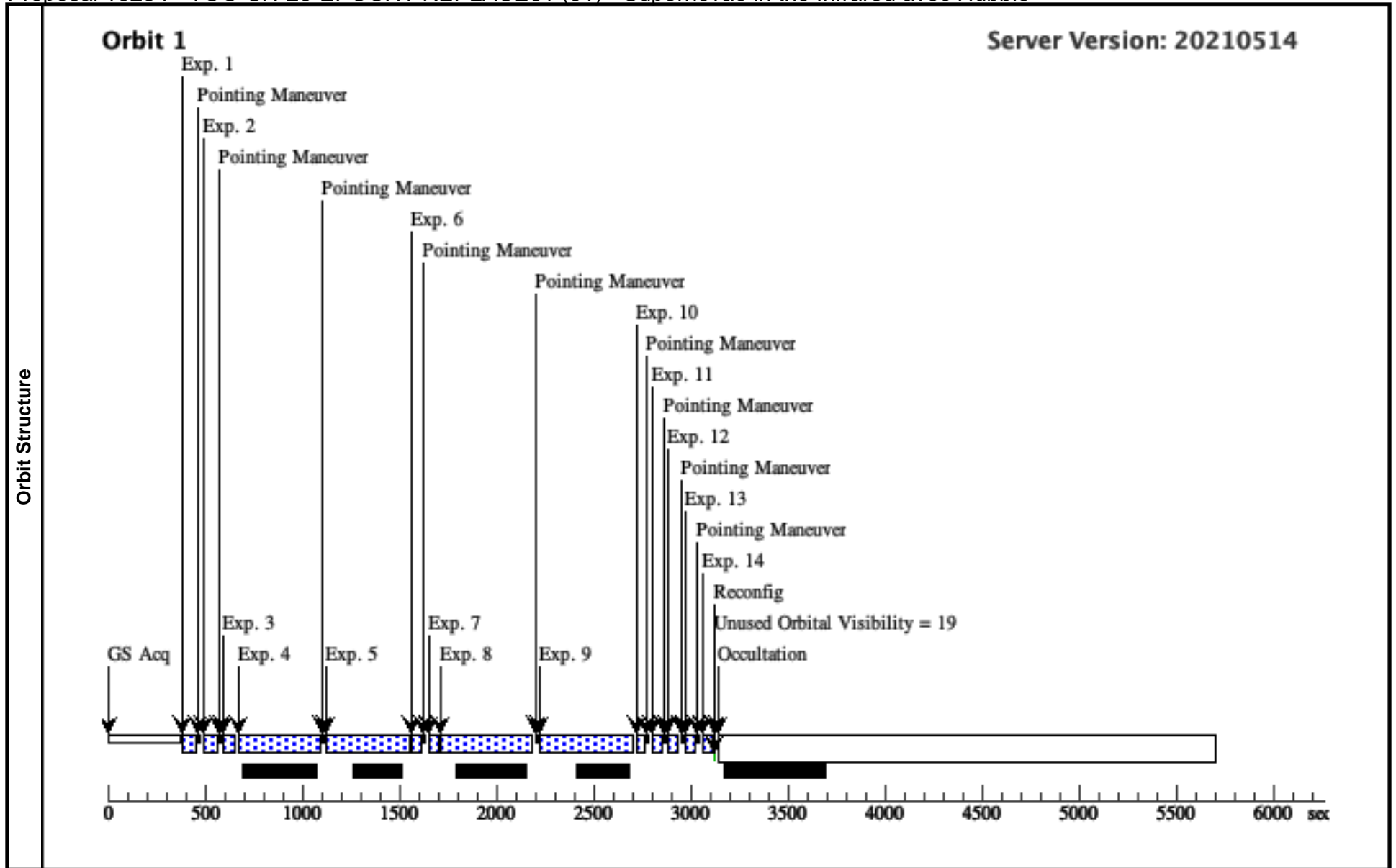


Proposal 16234 - TOO-SN-26-EPOCH1-REPLACE61 (91) - Supernovae in the Infrared avec Hubble

Visit	Proposal 16234, TOO-SN-26-EPOCH1-REPLACE61 (91), failed Fri Sep 10 13:01:24 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(109)		SN2021HOV Alt Name1: ATLAS21KXN Alt Name2: ZTF21AATJAVC	RA: 09 26 39.4485 (141.6643688d) Dec: -07 05 24.39 (-7.09011d) Equinox: J2000		V=17.5+/-1.0	Reference Frame: ICRS
<i>Comments:</i> Category=EXT-STAR Description=[SUPERNOVA TYPE IA]						

Proposal 16234 - TOO-SN-26-EPOCH1-REPLACE61 (91) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	6		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		452.93635 Secs (452.936 Secs) [==>]	[1]
	9		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=10; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		452.93635 Secs (452.936 Secs) [==>]	[1]
	10		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(109) SN2021IOV	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	



Proposal 16234 - TOO-SN-27-EPOCH1-REPLACE91 (92) - Supernovae in the Infrared avec Hubble

Visit	Proposal 16234, TOO-SN-27-EPOCH1-REPLACE91 (92), completed Fri Sep 10 13:01:25 GMT 2021																												
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD ; TOO RESPONSE TIME 21.0D <i>On Hold Comments: Target of opportunity</i>																												
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(110)</td> <td>SN2021MIM</td> <td>RA: 15 40 22.4623 (235.0935929d)</td> <td></td> <td>V=17.0+/-1.5</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: ZTF21ABBKGL0</td> <td>Dec: +07 16 55.71 (7.28214d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: ATLAS21PDK</td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(110)	SN2021MIM	RA: 15 40 22.4623 (235.0935929d)		V=17.0+/-1.5	Reference Frame: ICRS		Alt Name1: ZTF21ABBKGL0	Dec: +07 16 55.71 (7.28214d)					Alt Name2: ATLAS21PDK	Equinox: J2000			
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<i>Comments:</i> Category=EXT-STAR Description=[SUPERNOVA TYPE IA]																													

Proposal 16234 - TOO-SN-27-EPOCH1-REPLACE91 (92) - Supernovae in the Infrared avec Hubble

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -5.688,- 5.088		42.936143 Secs (42.936 Secs) [==>]	[1]
	2		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F160W	NSAMP=5; SAMP-SEQ=SPAR S10	POS TARG -4.266,- 3.816		42.936143 Secs (42.936 Secs) [==>]	[1]
	3		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -2.844,- 2.544		32.93518 Secs (32.935 Secs) [==>]	[1]
	4		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG -2.844,- 2.544		402.935899 Secs (402.936 Secs) [==>]	[1]
	5		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=8; SAMP-SEQ=SPAR S50	POS TARG -1.422,- 1.272		352.935448 Secs (352.935 Secs) [==>]	[1]
	6		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=4; SAMP-SEQ=SPAR S10	POS TARG -1.422,- 1.272		32.93518 Secs (32.935 Secs) [==>]	[1]
	7		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG 0.000,0. 000		22.934217 Secs (22.934 Secs) [==>]	[1]
	8		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG 0.000,0. 000		402.935899 Secs (402.936 Secs) [==>]	[1]
	9		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=9; SAMP-SEQ=SPAR S50	POS TARG +1.422, +1.272		402.935899 Secs (402.936 Secs) [==>]	[1]
	10		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +1.422, +1.272		22.934217 Secs (22.934 Secs) [==>]	[1]
	11		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +2.844, +2.544		22.934217 Secs (22.934 Secs) [==>]	[1]
	12		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F105W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +4.266, +3.816		22.934217 Secs (22.934 Secs) [==>]	[1]
	13		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +5.688, +5.088		22.934217 Secs (22.934 Secs) [==>]	[1]
14		(110) SN2021MIM	WFC3/IR, MULTIACCUM, GRISM1024	F125W	NSAMP=3; SAMP-SEQ=SPAR S10	POS TARG +7.110, +6.360		22.934217 Secs (22.934 Secs) [==>]	[1]	

