



18438 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Cycle: 34, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</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>
01	(1) SN2024GGI	ACS/WFC	1	19-Aug-2026 11:05:24.0	yes
02	(1) SN2024GGI	WFC3/UVIS	1	19-Aug-2026 11:05:24.0	yes
03	(2) SN2022ACKO	ACS/WFC	1	19-Aug-2026 11:05:25.0	yes
04	(2) SN2022ACKO	ACS/WFC	1	19-Aug-2026 11:05:25.0	yes
05	(3) SN2017GKK	WFC3/UVIS	1	19-Aug-2026 11:05:25.0	yes
06	(3) SN2017GKK	WFC3/UVIS	1	19-Aug-2026 11:05:25.0	yes
07	(4) SN2022CRV	ACS/WFC	1	19-Aug-2026 11:05:25.0	yes
08	(4) SN2022CRV	ACS/WFC	1	19-Aug-2026 11:05:26.0	yes
09	(5) SN2019YVR	WFC3/UVIS	1	19-Aug-2026 11:05:26.0	yes
10	(6) SN2013DF	ACS/WFC	1	19-Aug-2026 11:05:26.0	yes
11	(6) SN2013DF	ACS/WFC	1	19-Aug-2026 11:05:26.0	yes

Proposal 18438 (STScI Edit Number: 0, Created: Wednesday, August 19, 2026, 10:05:35AM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
12	(7) SN2016COK	ACS/WFC	1	19-Aug-2026 11:05:27.0	yes
13	(8) SN2020JFO	ACS/WFC	1	19-Aug-2026 11:05:27.0	yes
14	(9) SN2024ABFL	WFC3/UVIS	1	19-Aug-2026 11:05:27.0	yes
15	(10) SN2026FOV	WFC3/UVIS	1	19-Aug-2026 11:05:27.0	yes
16	(11) SN2017GAX	ACS/WFC	1	19-Aug-2026 11:05:28.0	yes
17	(11) SN2017GAX	ACS/WFC	1	19-Aug-2026 11:05:28.0	yes
18	(12) SN2026DIX	WFC3/UVIS	1	19-Aug-2026 11:05:28.0	yes
19	(13) SN2024PXL	ACS/WFC	1	19-Aug-2026 11:05:28.0	yes
20	(13) SN2024PXL	ACS/WFC	1	19-Aug-2026 11:05:29.0	yes
21	(14) SN2022XLP	WFC3/UVIS	1	19-Aug-2026 11:05:29.0	yes
22	(14) SN2022XLP	WFC3/UVIS	1	19-Aug-2026 11:05:29.0	yes
23	(15) SN2025AHQR	WFC3/UVIS	1	19-Aug-2026 11:05:29.0	yes
24	(16) SN2025AECV	WFC3/UVIS	1	19-Aug-2026 11:05:30.0	yes
25	(17) SN2018GWO	ACS/WFC	1	19-Aug-2026 11:05:30.0	yes
26	(17) SN2018GWO	ACS/WFC	1	19-Aug-2026 11:05:31.0	yes
27	(18) SN2022PRU	ACS/WFC	1	19-Aug-2026 11:05:31.0	yes
28	(19) SN2022XXF	ACS/WFC	1	19-Aug-2026 11:05:31.0	yes
29	(19) SN2022XXF	WFC3/UVIS	1	19-Aug-2026 11:05:31.0	yes
30	(20) SN2023IJD	WFC3/UVIS	1	19-Aug-2026 11:05:32.0	yes
31	(21) SN2008CN	ACS/WFC	1	19-Aug-2026 11:05:32.0	yes
32	(22) SN2025AJMZ	WFC3/UVIS	1	19-Aug-2026 11:05:32.0	yes
33	(23) SN2018GJ	ACS/WFC	1	19-Aug-2026 11:05:32.0	yes
34	(24) SN2012EC	ACS/WFC	1	19-Aug-2026 11:05:32.0	yes
35	(25) SN2013EJ	WFC3/UVIS	1	19-Aug-2026 11:05:33.0	yes
36	(26) SN2008AX	WFC3/UVIS	1	19-Aug-2026 11:05:33.0	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>
37	(27) SN2017EAW	WFC3/UVIS	1	19-Aug-2026 11:05:33.0	yes
38	(28) SN2016GKG	WFC3/UVIS	1	19-Aug-2026 11:05:34.0	yes
39	(29) SN2026SQF	WFC3/UVIS	1	19-Aug-2026 11:05:34.0	yes
40	(30) SN2023IXF	WFC3/UVIS	1	19-Aug-2026 11:05:34.0	yes

40 Total Orbits Used

ABSTRACT

We propose an HST snapshot program to obtain late-time high-resolution imaging of nearby supernova sites with deep pre-explosion images from HST and JWST. Over the past three decades, archival space-based imaging has enabled the direct detection of SN progenitors, providing a unique link between stellar evolution theories and supernova subtypes. However, progress remains limited by the lack of late-time observations required to confirm progenitor candidates, characterize their properties, or place robust upper limits. We target recent SNe within 40 Mpc that either lack adequate post-explosion imaging or have reported progenitor candidates requiring final confirmation. Each observation yields a decisive outcome: either identifying a progenitor candidate through precise astrometric registration, confirming or rejecting a literature candidate via disappearance or dimming, or constraining residual emission from circumstellar interaction, surviving companions, or bound remnants. The proposed program will transform a large but underexploited archival dataset into a homogeneous and well-vetted sample of progenitor detections and limits across different SN subtypes. The resulting sample will enable critical tests of stellar evolution and explosion models, including the statistical significance of the red supergiant problem in SNe II and the progenitor channels of stripped-envelope SNe. Because the nearby SN rate is intrinsically limited, each well-chosen late-time epoch has lasting value. This program will establish a legacy dataset that directly links progenitor systems to the diversity of SN outcomes.

OBSERVING DESCRIPTION

The proposed HST snapshot program will use WFC3 to obtain late-time imaging of nearby supernova sites, with the aim of recovering supernova progenitors in pre-explosion images or confirming claimed progenitor candidates in the literature through their final disappearance. The sample consists of 25 nearby SNe within 40 Mpc, including 14 cases lacking adequate post-explosion space-based imaging to precisely localize their progenitors and 11 cases with reported progenitor candidates requiring confirmation through disappearance or dimming.

We will observe one target per orbit, and all observations will use either WFC3/UVIS or ACS/WFC, in the same filter (F555W or redder) as the

Proposal 18438 (STScI Edit Number: 0, Created: Wednesday, August 19, 2026, 10:05:35AM Eastern Standard Time) - Overview

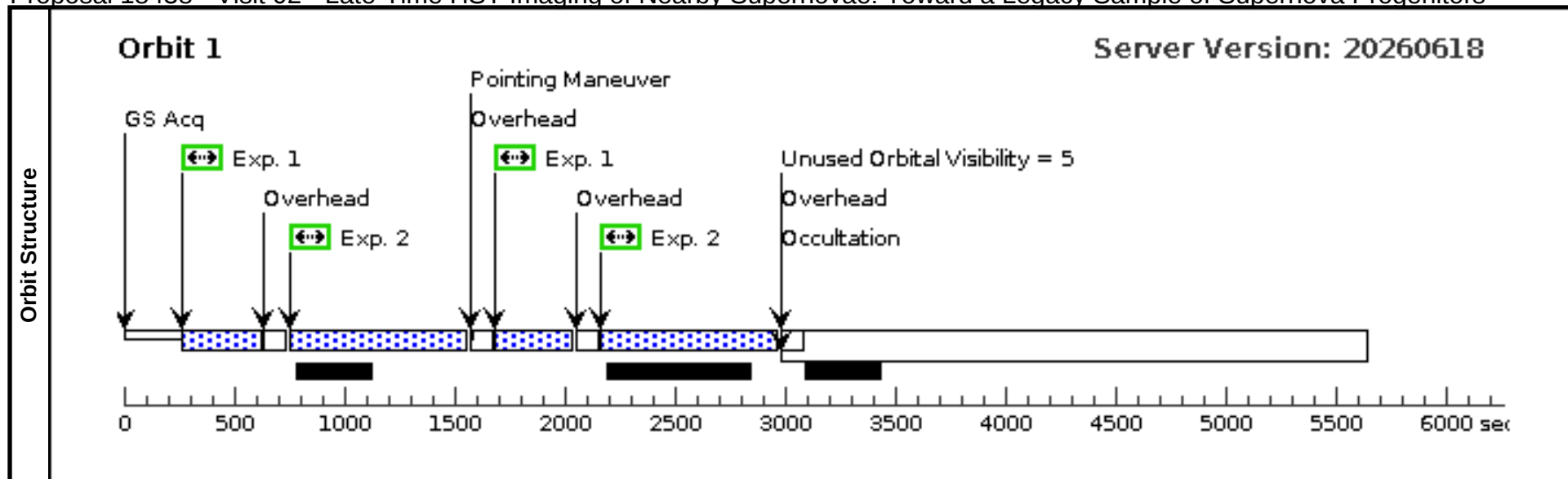
deepest pre-explosion images. For brighter targets, the orbit may be split into multiple exposures in filters matched to the pre-explosion images when sufficient signal-to-noise ratio can be achieved. For fainter targets, we extend the exposure time to ensure a robust test of disappearance or fading in a single filter, while keeping the total exposure time within one orbit. This strategy ensures that each visit provides a decisive constraint on the presence or absence of the progenitor.

Proposal 18438 - Visit 01 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 01					Wed Aug 19 15:05:35 GMT 2026				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false					(1)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	SN2024GGI	RA: 11 18 22.0873 (169.5920304d) Dec: -32 50 15.27 (-32.83758d) Equinox: J2000 Comments: NGC 3621, SN II, z=0.002403 Category=EXT-STAR Description=[SUPERNOVA]		V=(?) F814W > 25.98 ABMAG (local pre-SN 5-sigma limit)	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SN2024GGI	ACS/WFC, ACCUM, WFC1	F814W			Pattern 3, Exps 1-1 in Visit 01 (3)	1100 Secs (2200 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
Orbit Structure	Orbit 1									
	Server Version: 20260618 									

Proposal 18438 - Visit 02 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 02										Wed Aug 19 15:05:35 GMT 2026		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(Exposure 1 (Pattern 2, Exps 1-2 in Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser												
	(Exposure 2 (Pattern 2, Exps 1-2 in Visit 02)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1-2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	SN2024GGI		RA: 11 18 22.0873 (169.5920304d) Dec: -32 50 15.27 (-32.83758d) Equinox: J2000				V=(?) F814W > 25.98 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS			
	Comments: NGC 3621, SN II, z=0.002403												
	Category=EXT-STAR												
Description=[SUPERNOVA]													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(1) SN2024GGI	WFC3/UVIS, ACCUM, UVIS2		F555W			Pattern 2, Exps 1-2 i n Visit 02 (2)	330 Secs (660 Secs)			
										[==>(Pattern 1)]		[1]	
										[==>(Pattern 2)]			
	2		(1) SN2024GGI	WFC3/UVIS, ACCUM, UVIS2		F336W			Pattern 2, Exps 1-2 i n Visit 02 (2)	780 Secs (1560 Secs)			
										[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]				



Proposal 18438 - Visit 03 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 03										Wed Aug 19 15:05:35 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false				(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	SN2022ACKO	RA: 03 19 38.9899 (49.9124579d) Dec: -19 23 42.68 (-19.39519d) Equinox: J2000				V=(?) F814W > 26.33 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS			
	Comments: NGC 1300, SN II, z=0.005264											
	Category=EXT-STAR											
Exposures	Description=[SUPERNOVA]											
	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(2) SN2022ACKO	ACS/WFC, ACCUM, WFC1		F814W			Pattern 3, Exps 1-1 in Visit 03 (3)	1080 Secs (2160 Secs)		
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Pointing Maneuver Exp. 1 Unused Orbital Visibility = 54 Occultation <											

Proposal 18438 - Visit 04 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 04										Wed Aug 19 15:05:35 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false				(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	SN2022ACKO	RA: 03 19 38.9899 (49.9124579d) Dec: -19 23 42.68 (-19.39519d) Equinox: J2000				V=(?) F814W > 26.33 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS			
	Comments: NGC 1300, SN II, z=0.005264											
	Category=EXT-STAR											
Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(2) SN2022ACKO	ACS/WFC, ACCUM, WFC1		F606W			Pattern 3, Exps 1-1 in Visit 04 (3)	1080 Secs (2160 Secs)		
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Pointing Maneuver Exp. 1 Unused Orbital Visibility = 54 Occultation 050010001500200025003000350040004500500055006000 sec											

Proposal 18438 - Visit 05 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 05										Wed Aug 19 15:05:35 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false								(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(3)	SN2017GKK	RA: 09 13 44.5699 (138.4357079d) Dec: +76 28 44.54 (76.47904d) Equinox: J2000				V=(?) F814W > 25.15 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS			
	Comments: NGC 2748, SN I Ib, z=0.004923											
	Category=EXT-STAR											
Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(3) SN2017GKK	WFC3/UVIS, ACCUM, UVIS2	F814W			Pattern 1, Exps 1-1 in Visit 05 (1)	860 Secs (2580 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
Orbit Structure	Orbit 1											Server Version: 20260618

Proposal 18438 - Visit 06 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 06										Wed Aug 19 15:05:35 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern			Exposures			
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false								(1)			
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(3)	SN2017GKK	RA: 09 13 44.5699 (138.4357079d) Dec: +76 28 44.54 (76.47904d) Equinox: J2000				V=(?) F814W > 25.15 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS				
	Comments: NGC 2748, SN I Ib, z=0.004923												
	Category=EXT-STAR												
Description=[SUPERNOVA]													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(3) SN2017GKK	WFC3/UVIS, ACCUM, UVIS2		F606W			Pattern 1, Exps 1-1 in Visit 06 (1)	860 Secs (2580 Secs)			
											[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	
Orbit Structure	Orbit 1												Server Version: 20260618

Proposal 18438 - Visit 07 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 07										Wed Aug 19 15:05:35 GMT 2026				
	Diagnostic Status: No Diagnostics														
Scientific Instruments: ACS/WFC															
Special Requirements: (none)															
Patterns	#	Primary Pattern						Secondary Pattern				Exposures			
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false										(1)			
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous					
	(4)	SN2022CRV		RA: 09 54 25.9099 (148.6079579d) Dec: -25 42 11.16 (-25.70310d) Equinox: J2000				V=(?) F606W > 26.33 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS					
	Comments: NGC 3054, SN Ib, z=0.008091														
	Category=EXT-STAR														
Description=[SUPERNOVA]															
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit			
	1		(4) SN2022CRV	ACS/WFC, ACCUM, WFC1		F606W			Pattern 3, Exps 1-1 in Visit 07 (3)	1100 Secs (2200 Secs) [=>(Pattern 1)] [=>(Pattern 2)]		[1]			
Orbit Structure	Orbit 1													Server Version: 20260618	

Proposal 18438 - Visit 08 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 08										Wed Aug 19 15:05:35 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: ACS/WFC												
	Special Requirements: (none)												
Patterns	#	Primary Pattern				Secondary Pattern				Exposures			
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false								(1)			
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(4)	SN2022CRV	RA: 09 54 25.9099 (148.6079579d) Dec: -25 42 11.16 (-25.70310d) Equinox: J2000				V=(?) F606W > 26.33 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS				
	Comments: NGC 3054, SN Ib, z=0.008091												
	Category=EXT-STAR												
Exposures	Description=[SUPERNOVA]												
	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(4) SN2022CRV	ACS/WFC, ACCUM, WFC1		F814W			Pattern 3, Exps 1-1 i n Visit 08 (3)	1100 Secs (2200 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
Orbit Structure	Orbit 1												Server Version: 20260618

Proposal 18438 - Visit 09 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Wed Aug 19 15:05:35 GMT 2026

Visit	Proposal 18438, Visit 09										Wed Aug 19 15:05:35 GMT 2026												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/UVIS																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=										Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false										(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(5)	SN2019YVR		RA: 12 45 8.1353 (191.2838971d) Dec: -00 27 32.83 (-.45912d) Equinox: J2000								V=(?) F814W > 24.58 ABMAG (local pre-SN 5-sigma limit)				Reference Frame: ICRS							
	Comments: NGC 4666, SN Ib, z=0.005047																						
	Category=EXT-STAR																						
Exposures	#	Label		Target		Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit	
	1			(5) SN2019YVR		WFC3/UVIS, ACCUM, UVIS2				F814W						Pattern 1, Exps 1-1 i n Visit 09 (1)		800 Secs (2400 Secs)					
																	[=>(Pattern 1)]						
																	[=>(Pattern 2)]		[1]				
Orbit Structure	Orbit 1 Server Version: 20260618 Pointing ManeuverPointing ManeuverUnused Orbital Visibility = 14 GS Acq Exp. 1 Overhead Exp. 1 Overhead Exp. 1 Overhead Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec																						

Proposal 18438 - Visit 10 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 10										Wed Aug 19 15:05:35 GMT 2026			
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false										(1)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(6)	SN2013DF		RA: 12 26 29.3300 (186.6222083d) Dec: +31 13 38.30 (31.22731d) Equinox: J2000 Comments: NGC 4414, SN I Ib, z=0.002362 Category=EXT-STAR Description=[SUPERNOVA]				V=(?) F814W > 25.48 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1		(6) SN2013DF	ACS/WFC, ACCUM, WFC1		F814W			Pattern 3, Exps 1-1 in Visit 10 (3)	1100 Secs (2200 Secs) [=>(Pattern 1)] [=>(Pattern 2)]		[1]		
Orbit Structure	Orbit 1												Server Version: 20260618	

Proposal 18438 - Visit 11 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 11										Wed Aug 19 15:05:35 GMT 2026												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(6)	SN2013DF		RA: 12 26 29.3300 (186.6222083d) Dec: +31 13 38.30 (31.22731d) Equinox: J2000								V=(?) F814W > 25.48 ABMAG (local pre-SN 5-sigma limit)				Reference Frame: ICRS							
	Comments: NGC 4414, SN I Ib, z=0.002362																						
	Category=EXT-STAR																						
Exposures	Description=[SUPERNOVA]																						
	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(6) SN2013DF	ACS/WFC, ACCUM, WFC1				F555W						Pattern 3, Exps 1-1 in Visit 11 (3)		1100 Secs (2200 Secs)							
																[=>(Pattern 1)] [=>(Pattern 2)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Pointing Maneuver Exp. 1 Unused Orbital Visibility = 25 Occultation <																						

Proposal 18438 - Visit 12 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Wed Aug 19 15:05:35 GMT 2026

Visit	Proposal 18438, Visit 12										Wed Aug 19 15:05:35 GMT 2026												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(7)	SN2016COK		RA: 11 20 19.0329 (170.0793038d) Dec: +12 58 56.64 (12.98240d) Equinox: J2000								V=(?) F814W > 25.12 ABMAG (local pre-SN 5-sigma limit)				Reference Frame: ICRS							
	Comments: MESSIER 066, SN IIP, z=0.002408																						
	Category=EXT-STAR																						
Exposures	Description=[SUPERNOVA]																						
	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(7) SN2016COK	ACS/WFC, ACCUM, WFC1				F814W						Pattern 3, Exps 1-1 in Visit 12 (3)		1100 Secs (2200 Secs)							
																[=>(Pattern 1)] [=>(Pattern 2)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Pointing Maneuver Exp. 1 Unused Orbital Visibility = 12 Occultation <																						

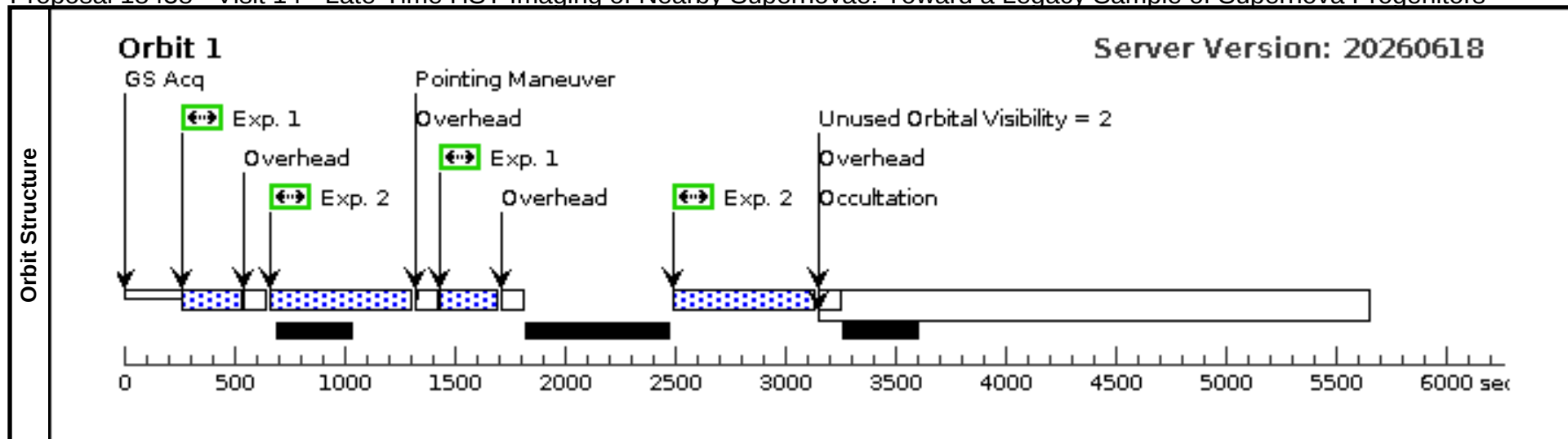
Proposal 18438 - Visit 13 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Wed Aug 19 15:05:35 GMT 2026

Visit	Proposal 18438, Visit 13									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: (none)									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false					(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(8)	SN2020JFO	RA: 12 21 50.4799 (185.4603329d) Dec: +04 28 54.05 (4.48168d) Equinox: J2000				V=(?) F814W > 25.68 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS	
	Comments: MESSIER 061, SN II, z=0.005224									
	Category=EXT-STAR									
Exposures	Description=[SUPERNOVA]									
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) SN2020JFO	ACS/WFC, ACCUM, WFC1	F814W			Pattern 3, Exps 1-1 in Visit 13 (3)	1100 Secs (2200 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Pointing Maneuver Exp. 1 Unused Orbital Visibility = 17 Occultation 050010001500200025003000350040004500500055006000 sec									

Proposal 18438 - Visit 14 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 14										Wed Aug 19 15:05:35 GMT 2026	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(Exposure 1 (Pattern 2, Exps 1-2 in Visit 14)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 2 (Pattern 2, Exps 1-2 in Visit 14)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1-2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	SN2024ABFL		RA: 06 18 1.1400 (94.5047500d) Dec: +78 22 1.52 (78.36709d) Equinox: J2000				V=(?) F814W > 26.35 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS		
	Comments: NGC 2146, SN II, z=0.002999											
	Category=EXT-STAR											
Exposures	Description=[SUPERNOVA]											
	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(9) SN2024ABFL	WFC3/UVIS, ACCUM, UVIS2		F606W			Pattern 2, Exps 1-2 i n Visit 14 (2)	240 Secs (480 Secs)		
									[==>(Pattern 1)]			[1]
									[==>(Pattern 2)]			
2		(9) SN2024ABFL	WFC3/UVIS, ACCUM, UVIS2		F814W			Pattern 2, Exps 1-2 i n Visit 14 (2)	620 Secs (1240 Secs)			
								[==>(Pattern 1)]			[1]	
								[==>(Pattern 2)]				



Proposal 18438 - Visit 15 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 15					Wed Aug 19 15:05:35 GMT 2026				
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: (none)									
Diagnostics	(Exposure 2 (Pattern 2, Exps 1-2 in Visit 15)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(1-2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	SN2026FOV	RA: 22 28 27.2376 (337.1134900d) Dec: +30 17 54.46 (30.29846d) Equinox: J2000 Comments: NGC 7292, SN II, z=0.003292 Category=EXT-STAR Description=[SUPERNOVA]		V=(?) F814W > 26.19 ABMAG (local pre-SN 5-sigma limit)	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) SN2026FOV	WFC3/UVIS, ACCUM, UVIS2	F606W			Pattern 2, Exps 1-2 in Visit 15 (2)	580 Secs (1160 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(10) SN2026FOV	WFC3/UVIS, ACCUM, UVIS2	F814W			Pattern 2, Exps 1-2 in Visit 15 (2)	520 Secs (1040 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20260618 Unused Orbital Visibility = 25									

Proposal 18438 - Visit 16 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 16										Wed Aug 19 15:05:35 GMT 2026												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(11)	SN2017GAX		RA: 04 45 49.5000 (71.4562500d) Dec: -59 14 42.50 (-59.24514d) Equinox: J2000								V=(?) F435W > 27.12 ABMAG (local pre-SN 5-sigma limit)				Reference Frame: ICRS							
	Comments: NGC 1672, SN Ib/c, z=0.004440																						
	Category=EXT-STAR																						
Exposures	Description=[SUPERNOVA]																						
	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(11) SN2017GAX	ACS/WFC, ACCUM, WFC1				F435W						Pattern 3, Exps 1-1 in Visit 16 (3)		1120 Secs (2240 Secs)							
															[=>(Pattern 1)] [=>(Pattern 2)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Pointing Maneuver Exp. 1 Unused Orbital Visibility = 42 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec																						

Proposal 18438 - Visit 17 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 17 Wed Aug 19 15:05:35 GMT 2026				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(11)	SN2017GAX	RA: 04 45 49.5000 (71.4562500d) Dec: -59 14 42.50 (-59.24514d) Equinox: J2000		V=(?) F435W > 27.12 ABMAG (local pre-SN 5-sigma limit)
Exposures	Comments: NGC 1672, SN Ib/c, z=0.004440 Category=EXT-STAR Description=[SUPERNOVA]				
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
Orbit Structure	1	(11) SN2017GAX	ACS/WFC, ACCUM, WFC1	F435W	Groups: Pattern 3, Exps 1-1 in Visit 17 (3) Exp. Time (Total)/[Actual Dur.]: 1120 Secs (2240 Secs) Orbit: [1]
	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Exp. 1 Pointing Maneuver Exp. 1 Occultation Unused Orbital Visibility = 42 Timeline: 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 18438 - Visit 18 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 18										Wed Aug 19 15:05:35 GMT 2026			
	Diagnostic Status: Warning													
	Scientific Instruments: WFC3/UVIS													
	Special Requirements: (none)													
Diagnostics	(Exposure 2 (Pattern 2, Exps 1-2 in Visit 18)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser													
Patterns	#	Primary Pattern						Secondary Pattern				Exposures		
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false										(1-2)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(12)	SN2026DIX		RA: 11 50 37.4280 (177.6559500d) Dec: +55 21 12.92 (55.35359d) Equinox: J2000				V=(?) F606W > 26.21 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS				
	Comments: NGC 3913, SN I Ib, z=0.003185 Category=EXT-STAR Description=[SUPERNOVA]													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1		(12) SN2026DIX	WFC3/UVIS, ACCUM, UVIS2		F606W			Pattern 2, Exps 1-2 in Visit 18 (2)	570 Secs (1140 Secs)				
										[==>(Pattern 1)] [==>(Pattern 2)]	[1]			
	2		(12) SN2026DIX	WFC3/UVIS, ACCUM, UVIS2		F814W			Pattern 2, Exps 1-2 in Visit 18 (2)	570 Secs (1140 Secs)				
										[==>(Pattern 1)] [==>(Pattern 2)]	[1]			
Orbit Structure	Orbit 1													
	Server Version: 20260618													

Proposal 18438 - Visit 19 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Wed Aug 19 15:05:35 GMT 2026

Visit	Proposal 18438, Visit 19										Wed Aug 19 15:05:35 GMT 2026												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(13)	SN2024PXL		RA: 17 32 27.3499 (263.1139579d) Dec: +07 03 44.68 (7.06241d) Equinox: J2000								V=(?) F435W > 27.48 ABMAG (local pre-SN 5-sigma limit)				Reference Frame: ICRS							
	Comments: NGC 6384, SN Iax 02cx-like, z=0.005554																						
	Category=EXT-STAR Description=[SUPERNOVA]																						
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(13) SN2024PXL	ACS/WFC, ACCUM, WFC1				F435W						Pattern 3, Exps 1-1 in Visit 19 (3)		1100 Secs (2200 Secs)							
																	[=>(Pattern 1)] [=>(Pattern 2)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Pointing Maneuver Exp. 1 Unused Orbital Visibility = 15 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec																						

Proposal 18438 - Visit 20 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 20										Wed Aug 19 15:05:35 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false				(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(13)	SN2024PXL	RA: 17 32 27.3499 (263.1139579d) Dec: +07 03 44.68 (7.06241d) Equinox: J2000				V=(?) F435W > 27.48 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS			
	Comments: NGC 6384, SN Iax 02cx-like, z=0.005554											
	Category=EXT-STAR											
Exposures	Description=[SUPERNOVA]											
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(13) SN2024PXL	ACS/WFC, ACCUM, WFC1	F814W			Pattern 3, Exps 1-1 in Visit 20 (3)	1100 Secs (2200 Secs)			
									[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Pointing Maneuver Exp. 1 Unused Orbital Visibility = 15 Occultation											

Proposal 18438 - Visit 21 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Wed Aug 19 15:05:35 GMT 2026

Visit	Proposal 18438, Visit 21										Wed Aug 19 15:05:35 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(14)	SN2022XLP	RA: 11 52 49.5770 (178.2065708d) Dec: +44 06 3.51 (44.10097d) Equinox: J2000				V=(?) F555W > 26.75 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS		
	Comments: NGC 3938, SN Iax 02cx-like, z=0.002695										
	Category=EXT-STAR Description=[SUPERNOVA]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(14) SN2022XLP	WFC3/UVIS, ACCUM, UVIS2	F555W			Pattern 1, Exps 1-1 in Visit 21 (1)	810 Secs (2430 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1										
	Server Version: 20260618										

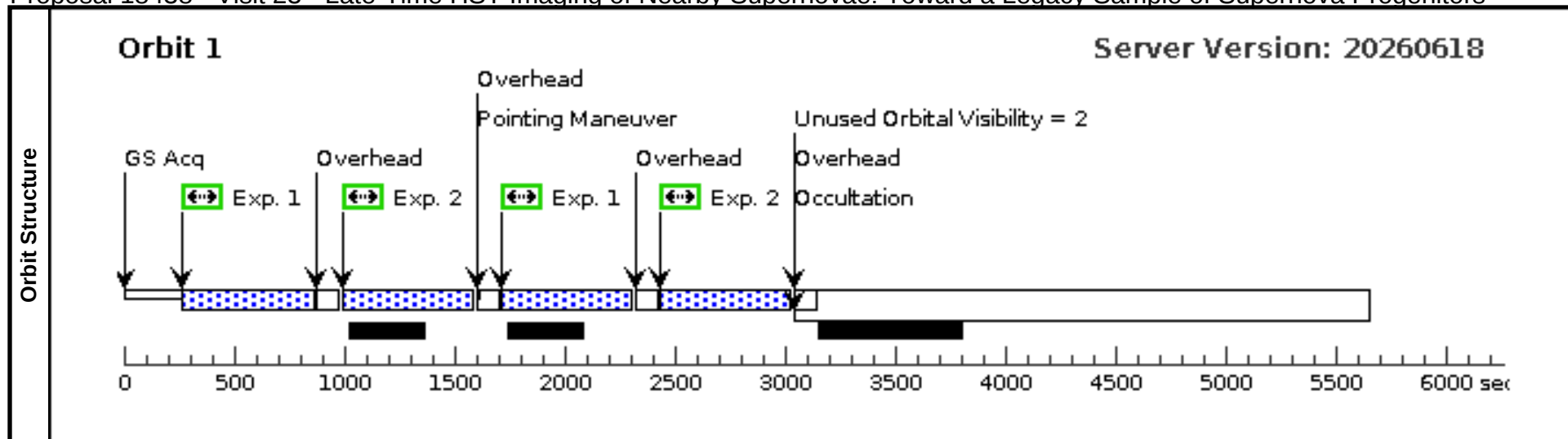
Proposal 18438 - Visit 22 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Wed Aug 19 15:05:35 GMT 2026

Visit	Proposal 18438, Visit 22									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: (none)									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(14)	SN2022XLP	RA: 11 52 49.5770 (178.2065708d) Dec: +44 06 3.51 (44.10097d) Equinox: J2000				V=(?) F555W > 26.75 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS	
	Comments: NGC 3938, SN Iax 02cx-like, z=0.002695									
	Category=EXT-STAR Description=[SUPERNOVA]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(14) SN2022XLP	WFC3/UVIS, ACCUM, UVIS2	F814W			Pattern 1, Exps 1-1 in Visit 22 (1)	810 Secs (2430 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Overhead Exp. 1 Pointing Maneuver Overhead Exp. 1 Pointing Maneuver Overhead Unused Orbital Visibility = 6 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec									

Proposal 18438 - Visit 23 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 23										Wed Aug 19 15:05:35 GMT 2026			
	Diagnostic Status: Warning													
	Scientific Instruments: WFC3/UVIS													
	Special Requirements: (none)													
Diagnostics	(Exposure 2 (Pattern 2, Exps 1-2 in Visit 23)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=										(1-2)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(15)	SN2025AHQR		RA: 11 11 25.9979 (167.8583246d) Dec: +55 40 29.94 (55.67498d) Equinox: J2000				V=(?) F606W > 25.45 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS				
	Comments: MESSIER 108, SN Iax 02cx-like, z=0.002322													
	Category=EXT-STAR													
Exposures	Description=[SUPERNOVA]													
	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1		(15) SN2025AHQR	WFC3/UVIS, ACCUM, UVIS2		F606W			Pattern 2, Exps 1-2 i n Visit 23 (2)	570 Secs (1140 Secs)				
										[==>(Pattern 1)]		[1]		
										[==>(Pattern 2)]				
	2		(15) SN2025AHQR	WFC3/UVIS, ACCUM, UVIS2		F814W			Pattern 2, Exps 1-2 i n Visit 23 (2)	570 Secs (1140 Secs)				
									[==>(Pattern 1)]		[1]			
									[==>(Pattern 2)]					



Proposal 18438 - Visit 24 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 24										Wed Aug 19 15:05:35 GMT 2026												
	Diagnostic Status: Warning																						
	Scientific Instruments: WFC3/UVIS																						
	Special Requirements: (none)																						
Diagnostics	(Exposure 1 (Pattern 2, Exps 1-2 in Visit 24)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false																				(1-2)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(16)	SN2025AECV		RA: 12 27 19.9268 (186.8330283d) Dec: +64 48 12.05 (64.80335d) Equinox: J2000								V=(?) F814W > 25.61 ABMAG (local pre-SN 5-sigma limit)				Reference Frame: ICRS							
	Comments: NGC 4441, SN II, z=0.009080																						
	Category=EXT-STAR Description=[SUPERNOVA]																						
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(16) SN2025AECV	WFC3/UVIS, ACCUM, UVIS2				F814W						Pattern 2, Exps 1-2 in Visit 24 (2)		620 Secs (1240 Secs)							
																[==>(Pattern 1)]				[1]			
																[==>(Pattern 2)]							
2		(16) SN2025AECV	WFC3/UVIS, ACCUM, UVIS2				F606W						Pattern 2, Exps 1-2 in Visit 24 (2)		530 Secs (1060 Secs)								
															[==>(Pattern 1)]				[1]				
															[==>(Pattern 2)]								
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Overhead Exp. 2 Overhead Exp. 1 Overhead Exp. 2 Overhead Occultation Pointing Maneuver Unused Orbital Visibility = 2 050010001500200025003000350040004500500055006000 sec																						

Proposal 18438 - Visit 25 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 25										Wed Aug 19 15:05:35 GMT 2026			
	Diagnostic Status: No Diagnostics													
	Scientific Instruments: ACS/WFC													
	Special Requirements: (none)													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false					(1)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(17)	SN2018GWO		RA: 12 08 38.8200 (182.1617500d) Dec: +68 46 44.47 (68.77902d) Equinox: J2000				V=(?) F555W > 27.19 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS				
	Comments: NGC 4128, SN Ic calcium-rich, z=0.007442													
	Category=EXT-STAR													
Description=[SUPERNOVA]														
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1		(17) SN2018GWO	ACS/WFC, ACCUM, WFC1		F555W			Pattern 3, Exps 1-1 in Visit 25 (3)	1160 Secs (2320 Secs)				
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]		
Orbit Structure	Orbit 1												Server Version: 20260618	

Proposal 18438 - Visit 26 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 26										Wed Aug 19 15:05:35 GMT 2026																													
	Diagnostic Status: No Diagnostics																																							
	Scientific Instruments: ACS/WFC																																							
	Special Requirements: (none)																																							
Patterns	#	Primary Pattern										Secondary Pattern										Exposures																		
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false																				(1)																		
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous																								
	(17)	SN2018GWO		RA: 12 08 38.8200 (182.1617500d) Dec: +68 46 44.47 (68.77902d) Equinox: J2000								V=(?) F555W > 27.19 ABMAG (local pre-SN 5-sigma limit)				Reference Frame: ICRS																								
	Comments: NGC 4128, SN Ic calcium-rich, z=0.007442																																							
	Category=EXT-STAR																																							
Description=[SUPERNOVA]																																								
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit																				
	1		(17) SN2018GWO	ACS/WFC, ACCUM, WFC1				F814W						Pattern 3, Exps 1-1 in Visit 26 (3)		1160 Secs (2320 Secs)																								
																				[=>(Pattern 1)]								[1]												
																				[=>(Pattern 2)]																				
Orbit Structure	Orbit 1																				Server Version: 20260618																			

Proposal 18438 - Visit 27 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Wed Aug 19 15:05:35 GMT 2026

Visit	Proposal 18438, Visit 27									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: (none)									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false					(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(18)	SN2022PRU	RA: 11 59 7.6500 (179.7818750d) Dec: +52 41 58.49 (52.69958d) Equinox: J2000				V=(?) F814W > 25.45 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS	
	Comments: UGC 06983, SN II, z=0.003606									
	Category=EXT-STAR									
Exposures	Description=[SUPERNOVA]									
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(18) SN2022PRU	ACS/WFC, ACCUM, WFC1	F814W			Pattern 3, Exps 1-1 in Visit 27 (3)	1130 Secs (2260 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Pointing Maneuver Exp. 1 Unused Orbital Visibility = 4 Occultation </									

Proposal 18438 - Visit 28 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 28										Wed Aug 19 15:05:35 GMT 2026												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(19)	SN2022XXF		RA: 11 30 5.9403 (172.5247512d) Dec: +09 16 57.37 (9.28260d) Equinox: J2000								V=(?) F606W > 25.43 ABMAG (local pre-SN 5-sigma limit)				Reference Frame: ICRS							
	Comments: NGC 3705, SN Ic-BL, z=0.003396																						
	Category=EXT-STAR																						
Description=[SUPERNOVA]																							
Exposures	#	Label	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit				
	1		(19) SN2022XXF	ACS/WFC, ACCUM, WFC1			F606W						Pattern 3, Exps 1-1 in Visit 28 (3)		1100 Secs (2200 Secs) [=>(Pattern 1)] [=>(Pattern 2)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Pointing Maneuver Exp. 1 Unused Orbital Visibility = 15 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec																						

Proposal 18438 - Visit 29 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 29										Wed Aug 19 15:05:35 GMT 2026			
	Diagnostic Status: Warning													
	Scientific Instruments: WFC3/UVIS													
	Special Requirements: (none)													
Diagnostics	(Exposure 1 (Pattern 1, Exps 1-1 in Visit 29)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser													
Patterns	#	Primary Pattern						Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false										(1)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(19)	SN2022XXF		RA: 11 30 5.9403 (172.5247512d) Dec: +09 16 57.37 (9.28260d) Equinox: J2000				V=(?) F606W > 25.43 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS				
	Comments: NGC 3705, SN Ic-BL, z=0.003396													
	Category=EXT-STAR													
Exposures	Description=[SUPERNOVA]													
	#	Label	Target	Config,Mode,Aperture		Spectral Els.		Opt. Params.		Special Reqs.		Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(19) SN2022XXF	WFC3/UVIS, ACCUM, UVIS2		F336W						Pattern 1, Exps 1-1 in Visit 29 (1)	800 Secs (2400 Secs)	
												[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Overhead Pointing Maneuver Exp. 1 Overhead Pointing Maneuver Exp. 1 Overhead Unused Orbital Visibility = 12 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec													

Proposal 18438 - Visit 30 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 30										Wed Aug 19 15:05:35 GMT 2026												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/UVIS																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(20)	SN2023IJD		RA: 12 36 32.4704 (189.1352933d) Dec: +11 13 19.71 (11.22214d) Equinox: J2000								V=(?) F814W > 25.48 ABMAG (local pre-SN 5-sigma limit)				Reference Frame: ICRS							
	Comments: NGC 4568, SN II, z=0.007446																						
	Category=EXT-STAR Description=[SUPERNOVA]																						
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(20) SN2023IJD	WFC3/UVIS, ACCUM, UVIS2				F814W						Pattern 1, Exps 1-1 in Visit 30 (1)		800 Secs (2400 Secs)							
																	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]					
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Overhead Pointing Maneuver Exp. 1 Overhead Pointing Maneuver Exp. 1 Overhead Occultation Unused Orbital Visibility = 9 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec																						

Proposal 18438 - Visit 31 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 31					Wed Aug 19 15:05:35 GMT 2026				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false					(1)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(21)	SN2008CN	RA: 12 40 55.6600 (190.2319167d) Dec: -40 58 12.10 (-40.97003d) Equinox: J2000 Comments: NGC 4603, SN II, z=0.008647 Category=EXT-STAR Description=[SUPERNOVA]		V=(?) F814W > 26.22 ABMAG (local pre-SN 5-sigma limit)	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(21) SN2008CN	ACS/WFC, ACCUM, WFC1	F814W			Pattern 3, Exps 1-1 in Visit 31 (3)	1115 Secs (2230 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
Orbit Structure	Orbit 1									
	Server Version: 20260618 Timeline: 0 to 6000 sec. Key events: GS Acq (Green box with double arrows) at ~400s, Exp. 1 (Green box with double arrows) at ~450s, Pointing Maneuver (Green box with double arrows) at ~1800s, Exp. 1 (Green box with double arrows) at ~1850s, Occultation (Black bar) at ~3000s, Unused Orbital Visibility = 9 (Black bar) at ~3200s. A blue checkered bar represents the observation period from ~400s to ~3000s.									

Proposal 18438 - Visit 32 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Wed Aug 19 15:05:35 GMT 2026

Visit	Proposal 18438, Visit 32											
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(22)	SN2025AJMZ		RA: 11 56 30.1858 (179.1257742d) Dec: +55 06 54.26 (55.11507d) Equinox: J2000				V=(?) F555W > 27.59 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS		
	Comments: NGC 3982, SN IIn, z=0.003741											
	Category=EXT-STAR											
Exposures	Description=[SUPERNOVA]											
	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(22) SN2025AJMZ	WFC3/UVIS, ACCUM, UVIS2		F555W			Pattern 1, Exps 1-1 in Visit 32 (1)	825 Secs (2475 Secs)		
										[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Overhead Pointing Maneuver Overhead Pointing Maneuver Overhead Unused Orbital Visibility = 4 Exp. 1 Exp. 1 Exp. 1 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Proposal 18438 - Visit 33 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 33										Wed Aug 19 15:05:35 GMT 2026												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false																				(1-2)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(23)	SN2018GJ		RA: 16 32 2.2999 (248.0095829d) Dec: +78 12 40.93 (78.21137d) Equinox: J2000								V=(?) F814W > 26.67 ABMAG (local pre-SN 5-sigma limit)				Reference Frame: ICRS							
	Comments: NGC 6217, SN II, z=0.004516																						
	Category=EXT-STAR Description=[SUPERNOVA]																						
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(23) SN2018GJ	ACS/WFC, ACCUM, WFC1				F555W						Pattern 3, Exps 1-2 in Visit 33 (3)		510 Secs (1020 Secs)							
																	[==>(Pattern 1)]						
																	[==>(Pattern 2)]						
	2		(23) SN2018GJ	ACS/WFC, ACCUM, WFC1				F814W						Pattern 3, Exps 1-2 in Visit 33 (3)		520 Secs (1040 Secs)							
																	[==>(Pattern 1)]						
																[==>(Pattern 2)]				[1]			
Orbit Structure	Orbit 1 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 15 Occultation 050010001500200025003000350040004500500055006000 sec																						

Proposal 18438 - Visit 34 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 34										Wed Aug 19 15:05:36 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false								(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(24)	SN2012EC	RA: 02 45 59.8700 (41.4994583d) Dec: -07 34 24.10 (-7.57336d) Equinox: J2000				V=(?) F814W > 24.07 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS			
	Comments: NGC 1084, SN IIP, z=0.004707											
	Category=EXT-STAR											
Exposures	Description=[SUPERNOVA]											
	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(24) SN2012EC	ACS/WFC, ACCUM, WFC1		F814W			Pattern 3, Exps 1-1 in Visit 34 (3)	1105 Secs (2210 Secs)		
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Pointing Maneuver Exp. 1 Unused Orbital Visibility = 5 Occultation											

Proposal 18438 - Visit 35 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

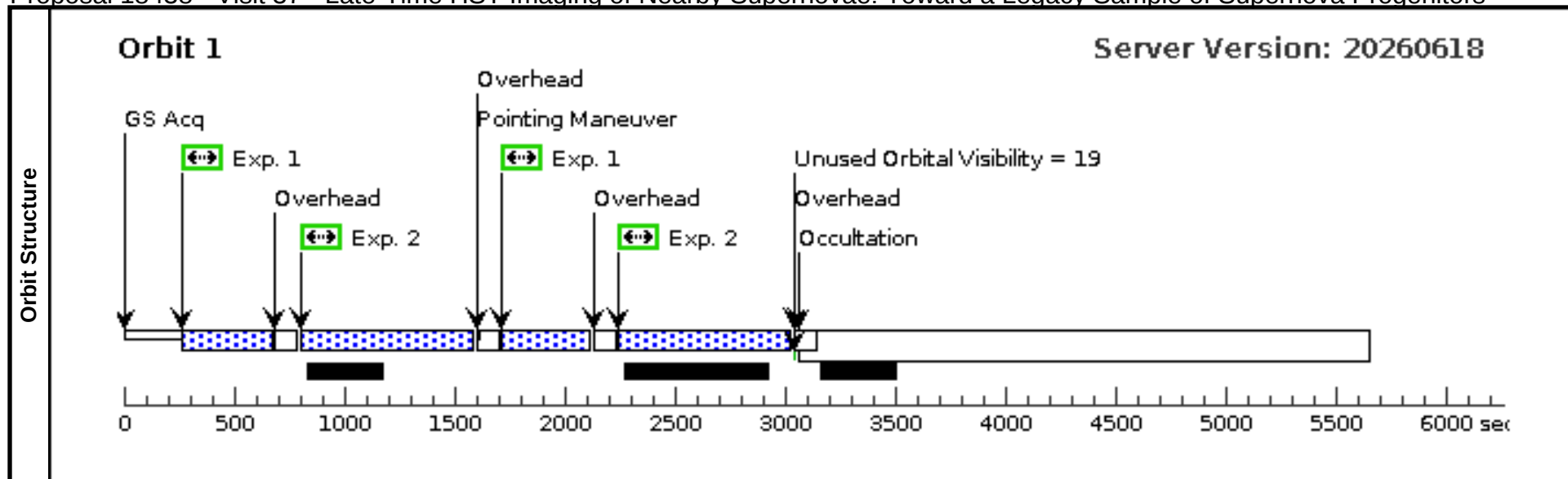
Visit	Proposal 18438, Visit 35					Wed Aug 19 15:05:36 GMT 2026					
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
Diagnostics	(Exposure 1 (Pattern 2, Exps 1-2 in Visit 35)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Pattern 2, Exps 1-2 in Visit 35)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false								(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(25)	SN2013EJ	RA: 01 36 48.1600 (24.2006667d) Dec: +15 45 31.00 (15.75861d) Equinox: J2000 Comments: MESSIER 074, SN IIP, z=0.002192 Category=EXT-STAR Description=[SUPERNOVA]				V=(?) F814W > 26.25 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(25) SN2013EJ	WFC3/UVIS, ACCUM, UVIS2	F555W			Pattern 2, Exps 1-2 in Visit 35 (2)	560 Secs (1120 Secs)		
								[==>(Pattern 1)] [==>(Pattern 2)]			[1]
	2		(25) SN2013EJ	WFC3/UVIS, ACCUM, UVIS2	F814W			Pattern 2, Exps 1-2 in Visit 35 (2)	560 Secs (1120 Secs)		
								[==>(Pattern 1)] [==>(Pattern 2)]			[1]
Orbit Structure	Orbit 1										
	Server Version: 20260618										
GS Acq Overhead Overhead Overhead Overhead Occultation Pointing Maneuver Unused Orbital Visibility = 1 Exp. 1 Exp. 2 Exp. 1 Exp. 2 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Proposal 18438 - Visit 36 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 36										Wed Aug 19 15:05:36 GMT 2026												
	Diagnostic Status: Warning																						
	Scientific Instruments: WFC3/UVIS																						
	Special Requirements: (none)																						
Diagnostics	(Exposure 1 (Pattern 2, Exps 1-2 in Visit 36)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																						
	(Exposure 2 (Pattern 2, Exps 1-2 in Visit 36)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false																				(1-2)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(26)	SN2008AX		RA: 12 30 40.8000 (187.6700000d) Dec: +41 38 14.50 (41.63736d) Equinox: J2000								V=(?) F814W > 24.52 ABMAG (local pre-SN 5-sigma limit)				Reference Frame: ICRS							
	Comments: NGC 4490, SN I Ib, z=0.001885																						
	Category=EXT-STAR Description=[SUPERNOVA]																						
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Req.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(26) SN2008AX	WFC3/UVIS, ACCUM, UVIS2				F438W						Pattern 2, Exps 1-2 in Visit 36 (2)		560 Secs (1120 Secs)							
															[==>(Pattern 1)]				[1]				
															[==>(Pattern 2)]								
2		(26) SN2008AX	WFC3/UVIS, ACCUM, UVIS2				F814W						Pattern 2, Exps 1-2 in Visit 36 (2)		560 Secs (1120 Secs)								
														[==>(Pattern 1)]				[1]					
														[==>(Pattern 2)]									
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Overhead Overhead Overhead Overhead Overhead Pointing Maneuver Occultation Unused Orbital Visibility = 2 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec																						

Proposal 18438 - Visit 37 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 37										Wed Aug 19 15:05:36 GMT 2026	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(Exposure 1 (Pattern 2, Exps 1-2 in Visit 37)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 2 (Pattern 2, Exps 1-2 in Visit 37)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1-2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(27)	SN2017EAW		RA: 20 34 44.2399 (308.6843329d) Dec: +60 11 35.84 (60.19329d) Equinox: J2000				V=(?) F814W > 26.26 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS		
	Comments: NGC 6946, SN II, z=0.000133											
	Category=EXT-STAR											
Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(27) SN2017EAW	WFC3/UVIS, ACCUM, UVIS2		F814W			Pattern 2, Exps 1-2 i n Visit 37 (2)	380 Secs (760 Secs)		
										[==>(Pattern 1)]		[1]
										[==>(Pattern 2)]		
	2		(27) SN2017EAW	WFC3/UVIS, ACCUM, UVIS2		F275W			Pattern 2, Exps 1-2 i n Visit 37 (2)	760 Secs (1520 Secs)		
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			

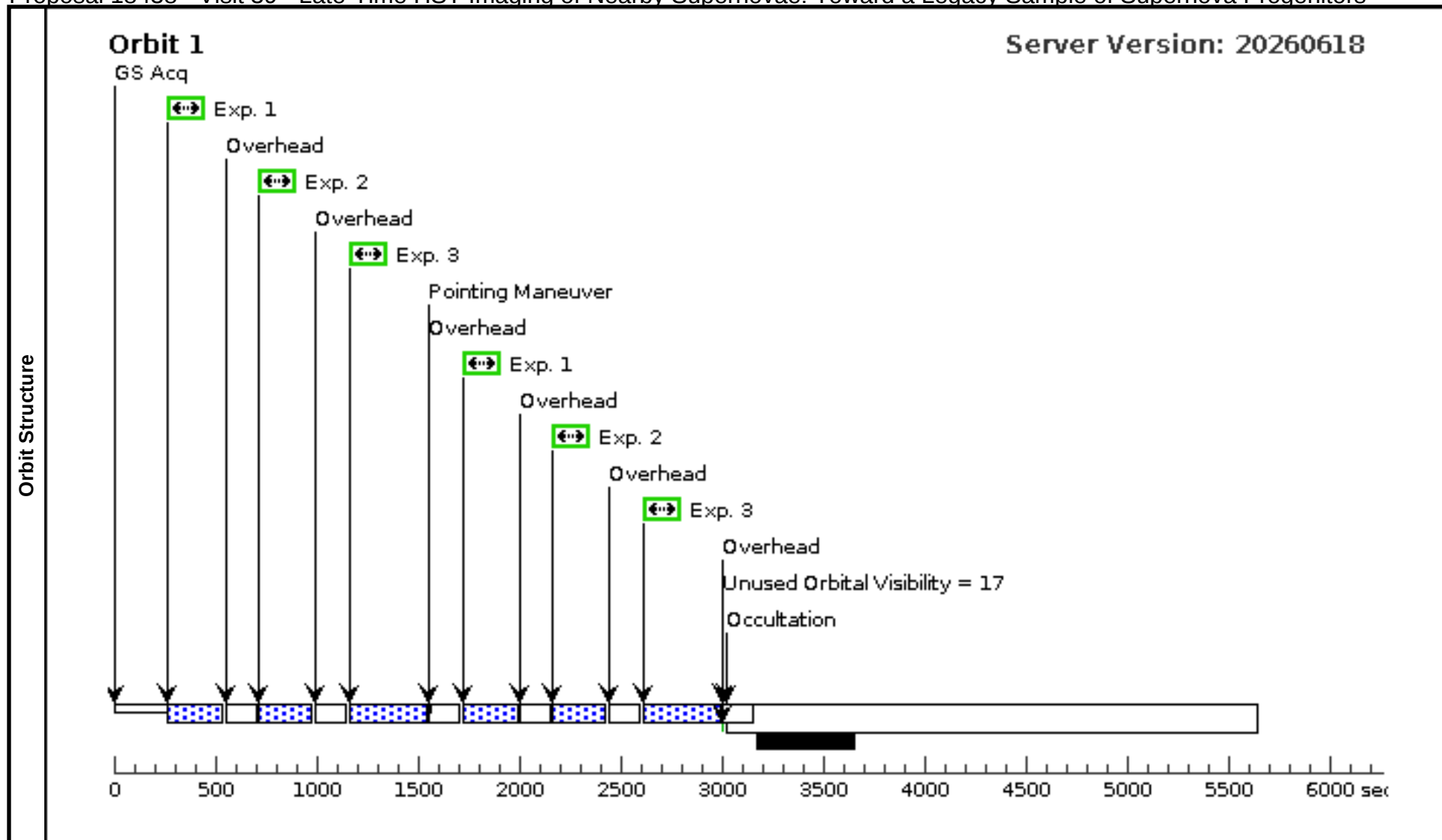


Proposal 18438 - Visit 38 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 38										Wed Aug 19 15:05:36 GMT 2026												
	Diagnostic Status: Warning																						
	Scientific Instruments: WFC3/UVIS																						
	Special Requirements: (none)																						
Diagnostics	(Exposure 1 (Pattern 2, Exps 1-2 in Visit 38)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false																				(1-2)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(28)	SN2016GKG		RA: 01 34 14.4401 (23.5601671d) Dec: -29 26 24.22 (-29.44006d) Equinox: J2000								V=(?) F606W > 26.41 ABMAG (local pre-SN 5-sigma limit)				Reference Frame: ICRS							
	Comments: NGC 613, SN I Ib, z=0.004940																						
	Category=EXT-STAR Description=[SUPERNOVA]																						
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(28) SN2016GKG	WFC3/UVIS, ACCUM, UVIS2				F438W						Pattern 2, Exps 1-2 in Visit 38 (2)		550 Secs (1100 Secs)							
																[==>(Pattern 1)]				[1]			
																[==>(Pattern 2)]							
2		(28) SN2016GKG	WFC3/UVIS, ACCUM, UVIS2				F606W						Pattern 2, Exps 1-2 in Visit 38 (2)		550 Secs (1100 Secs)								
															[==>(Pattern 1)]				[1]				
															[==>(Pattern 2)]								
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Occultation Overhead Overhead Overhead Overhead Overhead Pointing Maneuver Unused Orbital Visibility = 24																						

Proposal 18438 - Visit 39 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 39										Wed Aug 19 15:05:36 GMT 2026		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(Exposure 1 (Pattern 2, Exps 1-3 in Visit 39)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser												
	(Exposure 2 (Pattern 2, Exps 1-3 in Visit 39)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser												
	(Exposure 3 (Pattern 2, Exps 1-3 in Visit 39)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser												
Patterns	#	Primary Pattern					Secondary Pattern				Exposures		
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1-3)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(29)	SN2026SQF		RA: 10 38 47.9615 (159.6998396d) Dec: +53 30 34.10 (53.50947d) Equinox: J2000				V=(?) F555W > 26.59 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS			
	Comments: NGC 3310, SN Ia-CSM, z=0.003299												
	Category=EXT-STAR												
Description=[SUPERNOVA]													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(29) SN2026SQF	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB		F625W			Pattern 2, Exps 1-3 i n Visit 39 (2)	245 Secs (490 Secs)			
									[==>(Pattern 1)]			[1]	
									[==>(Pattern 2)]				
	2		(29) SN2026SQF	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB		F814W			Pattern 2, Exps 1-3 i n Visit 39 (2)	245 Secs (490 Secs)			
									[==>(Pattern 1)]			[1]	
									[==>(Pattern 2)]				
3		(29) SN2026SQF	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB		F336W			Pattern 2, Exps 1-3 i n Visit 39 (2)	360 Secs (720 Secs)				
								[==>(Pattern 1)]			[1]		
								[==>(Pattern 2)]					



Proposal 18438 - Visit 40 - Late-Time HST Imaging of Nearby Supernovae: Toward a Legacy Sample of Supernova Progenitors

Visit	Proposal 18438, Visit 40										Wed Aug 19 15:05:36 GMT 2026	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Diagnostics	(Exposure 1 (Pattern 2, Exps 1-3 in Visit 40)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 2 (Pattern 2, Exps 1-3 in Visit 40)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 3 (Pattern 2, Exps 1-3 in Visit 40)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=									(1-3)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(30)	SN2023IXF		RA: 14 03 38.5619 (210.9106746d) Dec: +54 18 41.94 (54.31165d) Equinox: J2000				V=(?) F814W > 25.91 ABMAG (local pre-SN 5-sigma limit)		Reference Frame: ICRS		
	Comments: MESSIER 101, SN II, z=0.000804											
	Category=EXT-STAR											
Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(30) SN2023IXF	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB		F555W			Pattern 2, Exps 1-3 i n Visit 40 (2)	250 Secs (500 Secs)		
										[==>(Pattern 1)]		
										[==>(Pattern 2)]		[1]
	2		(30) SN2023IXF	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB		F814W			Pattern 2, Exps 1-3 i n Visit 40 (2)	250 Secs (500 Secs)		
										[==>(Pattern 1)]		
										[==>(Pattern 2)]		[1]
3		(30) SN2023IXF	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB		F336W			Pattern 2, Exps 1-3 i n Visit 40 (2)	360 Secs (720 Secs)			
									[==>(Pattern 1)]			
									[==>(Pattern 2)]		[1]	

