



17070 - Snapshot Observations of Type II Supernovae

Cycle: 30, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(2) ASASSN16AT	ACS/WFC	1	07-Oct-2022 15:00:40.0	yes
02	(4) SN1941C	ACS/WFC	1	07-Oct-2022 15:00:41.0	yes
03	(5) SN1946B	ACS/WFC	1	07-Oct-2022 15:00:41.0	yes
04	(6) SN1947A	ACS/WFC	1	07-Oct-2022 15:00:42.0	yes
05	(7) SN1961F	ACS/WFC	1	07-Oct-2022 15:00:42.0	yes
06	(8) SN1961U	ACS/WFC	1	07-Oct-2022 15:00:43.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
07	(9) SN1964H	ACS/WFC	1	07-Oct-2022 15:00:43.0	yes
08	(10) SN1966B	ACS/WFC	1	07-Oct-2022 15:00:44.0	yes
09	(11) SN1969L	ACS/WFC	1	07-Oct-2022 15:00:44.0	yes
10	(12) SN1970A	ACS/WFC	1	07-Oct-2022 15:00:45.0	yes
11	(13) SN1980D	ACS/WFC	1	07-Oct-2022 15:00:45.0	yes
12	(14) SN1983E	ACS/WFC	1	07-Oct-2022 15:00:46.0	yes
13	(15) SN1986K	ACS/WFC	1	07-Oct-2022 15:00:47.0	yes
14	(16) SN1988E	ACS/WFC	1	07-Oct-2022 15:00:47.0	yes
15	(17) SN1990E	ACS/WFC	1	07-Oct-2022 15:00:48.0	yes
16	(18) SN1990H	ACS/WFC	1	07-Oct-2022 15:00:48.0	yes
17	(19) SN1995H	ACS/WFC	1	07-Oct-2022 15:00:49.0	yes
18	(20) SN1995AG	ACS/WFC	1	07-Oct-2022 15:00:49.0	yes
19	(21) SN1997CX	ACS/WFC	1	07-Oct-2022 15:00:50.0	yes
20	(22) SN1998BV	ACS/WFC	1	07-Oct-2022 15:00:50.0	yes
21	(23) SN1999BG	ACS/WFC	1	07-Oct-2022 15:00:51.0	yes
22	(24) SN1999BR	ACS/WFC	1	07-Oct-2022 15:00:51.0	yes
23	(25) SN2000DB	ACS/WFC	1	07-Oct-2022 15:00:52.0	yes
24	(26) SN2001FV	ACS/WFC	1	07-Oct-2022 15:00:52.0	yes
25	(27) SN2002E	ACS/WFC	1	07-Oct-2022 15:00:53.0	yes
26	(28) SN2003J	ACS/WFC	1	07-Oct-2022 15:00:54.0	yes
27	(29) SN2003BK	ACS/WFC	1	07-Oct-2022 15:00:54.0	yes
28	(30) SN2004G	ACS/WFC	1	07-Oct-2022 15:00:55.0	yes
29	(31) SN2004CM	ACS/WFC	1	07-Oct-2022 15:00:55.0	yes
30	(32) SN2004EZ	ACS/WFC	1	07-Oct-2022 15:00:56.0	yes
31	(33) SN2005AD	ACS/WFC	1	07-Oct-2022 15:00:56.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
32	(34) SN2007AV	ACS/WFC	1	07-Oct-2022 15:00:57.0	yes
33	(35) SN2008FB	ACS/WFC	1	07-Oct-2022 15:00:57.0	yes
34	(36) SN2009AT	ACS/WFC	1	07-Oct-2022 15:00:58.0	yes
35	(37) SN2009BW	ACS/WFC	1	07-Oct-2022 15:00:58.0	yes
36	(38) SN2009JS	ACS/WFC	1	07-Oct-2022 15:00:59.0	yes
37	(39) SN2010GI	ACS/WFC	1	07-Oct-2022 15:00:59.0	yes
38	(40) SN2011AQ	ACS/WFC	1	07-Oct-2022 15:01:00.0	yes
39	(42) SN2013AB	ACS/WFC	1	07-Oct-2022 15:01:00.0	yes
40	(43) SN2013AM	ACS/WFC	1	07-Oct-2022 15:01:01.0	yes
41	(44) SN2014CW	ACS/WFC	1	07-Oct-2022 15:01:01.0	yes
42	(45) SN2014CX	ACS/WFC	1	07-Oct-2022 15:01:02.0	yes
43	(46) SN2015V	ACS/WFC	1	07-Oct-2022 15:01:02.0	yes
44	(47) SN2015AQ	ACS/WFC	1	07-Oct-2022 15:01:03.0	yes
45	(48) SN2016B	ACS/WFC	1	07-Oct-2022 15:01:03.0	yes
46	(49) SN2016BKV	ACS/WFC	1	07-Oct-2022 15:01:04.0	yes
47	(50) SN2016COK	ACS/WFC	1	07-Oct-2022 15:01:04.0	yes
48	(51) SN2017BZB	ACS/WFC	1	07-Oct-2022 15:01:05.0	yes
49	(52) SN2017EAW	ACS/WFC	1	07-Oct-2022 15:01:05.0	yes
50	(53) SN2017GMR	ACS/WFC	1	07-Oct-2022 15:01:06.0	yes
51	(54) SN2017HTA	ACS/WFC	1	07-Oct-2022 15:01:06.0	yes
52	(55) SN2018DFG	ACS/WFC	1	07-Oct-2022 15:01:07.0	yes
53	(56) SN2018GET	ACS/WFC	1	07-Oct-2022 15:01:07.0	yes
54	(57) SN2018GJ	ACS/WFC	1	07-Oct-2022 15:01:08.0	yes
55	(58) SN2018HNA	ACS/WFC	1	07-Oct-2022 15:01:08.0	yes
56	(59) SN2018IMF	ACS/WFC	1	07-Oct-2022 15:01:09.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
57	(60) SN2018ZD	ACS/WFC	1	07-Oct-2022 15:01:09.0	yes
58	(61) SN2019EL	ACS/WFC	1	07-Oct-2022 15:01:10.0	yes
59	(62) SN2019ESA	ACS/WFC	1	07-Oct-2022 15:01:10.0	yes
60	(63) SN2020ABJQ	ACS/WFC	1	07-Oct-2022 15:01:11.0	yes
61	(64) SN2020AZE	ACS/WFC	1	07-Oct-2022 15:01:11.0	yes
62	(65) SN2020BIO	ACS/WFC	1	07-Oct-2022 15:01:12.0	yes
63	(66) SN2020FQV	ACS/WFC	1	07-Oct-2022 15:01:12.0	yes
64	(67) SN2020FTL	ACS/WFC	1	07-Oct-2022 15:01:13.0	yes
65	(68) SN2020GHQ	ACS/WFC	1	07-Oct-2022 15:01:14.0	yes
66	(69) SN2020JFO	ACS/WFC	1	07-Oct-2022 15:01:14.0	yes
67	(70) SN2020MJM	ACS/WFC	1	07-Oct-2022 15:01:15.0	yes
68	(71) SN2020MMZ	ACS/WFC	1	07-Oct-2022 15:01:15.0	yes
69	(72) SN2020NIF	ACS/WFC	1	07-Oct-2022 15:01:16.0	yes
70	(73) SN2020OCZ	ACS/WFC	1	07-Oct-2022 15:01:16.0	yes
71	(74) SN2020PNI	ACS/WFC	1	07-Oct-2022 15:01:17.0	yes
72	(75) SN2020QMP	ACS/WFC	1	07-Oct-2022 15:01:17.0	yes
73	(76) SN2020TLF	ACS/WFC	1	07-Oct-2022 15:01:18.0	yes
74	(77) SN2020ZBV	ACS/WFC	1	07-Oct-2022 15:01:18.0	yes
75	(78) SN2020ZXD	ACS/WFC	1	07-Oct-2022 15:01:19.0	yes
76	(79) SN2021ADLW	ACS/WFC	1	07-Oct-2022 15:01:19.0	yes
77	(80) SN2021BUG	ACS/WFC	1	07-Oct-2022 15:01:20.0	yes
78	(81) SN2021GMJ	ACS/WFC	1	07-Oct-2022 15:01:20.0	yes
79	(83) SN2021QVR	ACS/WFC	1	07-Oct-2022 15:01:21.0	yes
80	(84) SN2021SJT	ACS/WFC	1	07-Oct-2022 15:01:21.0	yes
81	(85) SN2021VAZ	ACS/WFC	1	07-Oct-2022 15:01:22.0	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>
82	(86) SN2021YJA	ACS/WFC	1	07-Oct-2022 15:01:23.0	yes
83	(87) SN2021DBG	ACS/WFC	1	07-Oct-2022 15:01:23.0	yes
84	(88) SN2021ZJ	ACS/WFC	1	07-Oct-2022 15:01:24.0	yes
85	(91) SN2022JZC	ACS/WFC	1	07-Oct-2022 15:01:24.0	yes
86	(89) SN2021TYW	ACS/WFC	1	07-Oct-2022 15:01:25.0	yes
87	(90) SN2022FFG	ACS/WFC	1	07-Oct-2022 15:01:25.0	yes
88	(92) SN2022MJI	ACS/WFC	1	07-Oct-2022 15:01:26.0	yes
89	(93) SN2022IWV	ACS/WFC	1	07-Oct-2022 15:01:26.0	yes
90	(94) SN2021ABKM	ACS/WFC	1	07-Oct-2022 15:01:27.0	yes
91	(95) SN2022FNM	ACS/WFC	1	07-Oct-2022 15:01:27.0	yes
92	(96) SN2020ACAT	ACS/WFC	1	07-Oct-2022 15:01:28.0	yes

92 Total Orbits Used

ABSTRACT

Hydrogen-rich (Type II) supernovae exhibit enormous photometric and spectroscopic diversity that is still poorly understood despite being the largest sub-class of supernovae in volume-limited surveys and having a large sample of directly detected progenitor stars. Much of this diversity is driven by mass loss, which strips the progenitor star and pollutes its circumstellar environment with gas and dust. HST can make significant contributions to understanding both the properties of the progenitor system and nature of the circumstellar environment through targeted observations of a large, statistical sample of Type II supernovae. We will use multi-band imaging to resolve the stellar population around a large number of Type II supernovae, enabling isochrone fitting and thus an initial mass estimate, and producing the largest and most constraining sample to date of progenitor star initial mass estimates. We will also look for late-time emission from nearby supernovae, potentially revealing delayed circumstellar interaction and uncovering modes of mass loss from centuries before explosion. For the closest events, our observations will enable us to search for surviving companion stars to Type II supernovae, connecting the spectroscopic and photometric diversity we see to the configuration of their progenitor systems.

OBSERVING DESCRIPTION

This is a snapshot program. Nearly all observations follow the same format with a single orbit split into F555W and F814W observations in ACS/WFC, both of which use the WFC aperture to place our primary target on WFC1 and a cosmic ray split following the ACS-WFC-DITHER-LINE pattern. Occasionally we use only a single filter (for SN2013AB, SN2015AQ, SN2016BKV, and SN2022MJI) to avoid duplication with previous HST observations, in which case we use the ACS-WFC-DITHER-BOX pattern for either F555W or F814W.

Proposal 17070 - ASASSN16AT (01) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, ASASSN16AT (01), implementation					Fri Oct 07 19:01:28 GMT 2022				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.29 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=3.034 Line Spacing=					(1-2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	ASASSN16AT	RA: 12 55 16.0000 (193.8166667d) Dec: +00 05 59.70 (.09992d) Equinox: J2000 Comments: Category=STAR Description=[SUPERNOVA TYPE II]		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) ASASSN16AT	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in ASASSN16AT (01) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(2) ASASSN16AT	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in ASASSN16AT (01) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 442 Occultation </									

Proposal 17070 - SN1941C (02) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1941C (02), implementation										Fri Oct 07 19:01:28 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(4)	SN1941C	RA: 12 09 21.0000 (182.3375000d) Dec: +29 54 5.00 (29.90139d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) SN1941C	ACS/WFC, ACCUM, WFC		F814W			Pattern 2, Exps 1-2 in SN1941C (02) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(4) SN1941C	ACS/WFC, ACCUM, WFC		F555W			Pattern 2, Exps 1-2 in SN1941C (02) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 465 Occultation <										

Proposal 17070 - SN1946B (03) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1946B (03), implementation Fri Oct 07 19:01:28 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(5)	SN1946B	RA: 12 42 32.0000 (190.6333333d) Dec: -00 04 9.00 (-.06917d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(5) SN1946B	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN1946B (03) (2)
					390 Secs (780 Secs) [= > (Pattern 1)] [= > (Pattern 2)]
					[1]
	2	(5) SN1946B	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN1946B (03) (2)
					380 Secs (760 Secs) [= > (Pattern 1)] [= > (Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 442 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 17070 - SN1947A (04) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1947A (04), implementation Fri Oct 07 19:01:28 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(6)	SN1947A	RA: 10 16 35.0000 (154.1458333d) Dec: +21 06 7.00 (21.10194d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(6) SN1947A	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN1947A (04) (2)
					390 Secs (780 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
	2	(6) SN1947A	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN1947A (04) (2)
					380 Secs (760 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 457 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 17070 - SN1961F (05) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1961F (05), implementation										Fri Oct 07 19:01:28 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(7)	SN1961F	RA: 09 48 38.0000 (147.1583333d) Dec: +33 25 35.10 (33.42642d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(7) SN1961F	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN1961F (05) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(7) SN1961F	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN1961F (05) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 480 Occultation										

Proposal 17070 - SN1961U (06) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1961U (06), implementation										Fri Oct 07 19:01:29 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(8)	SN1961U	RA: 11 52 57.0000 (178.2375000d) Dec: +44 09 1.00 (44.15028d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(8) SN1961U	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN1961U (06) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(8) SN1961U	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN1961U (06) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 538 Occultation										

Proposal 17070 - SN1964H (07) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1964H (07), implementation										Fri Oct 07 19:01:29 GMT 2022												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(2)	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							
	(9)	SN1964H		RA: 22 28 24.0000 (337.1000000d) Dec: +30 17 23.60 (30.28989d) Equinox: J2000								V=25.0				Reference Frame: ICRS							
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]																						
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(9) SN1964H	ACS/WFC, ACCUM, WFC				F814W						Pattern 2, Exps 1-2 in SN1964H (07) (2)		390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]			
	2		(9) SN1964H	ACS/WFC, ACCUM, WFC				F555W						Pattern 2, Exps 1-2 in SN1964H (07) (2)		380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Unused Orbital Visibility = 480 Occultation Pointing Maneuver 050010001500200025003000350040004500500055006000 sec																						

Proposal 17070 - SN1966B (08) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1966B (08), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(10)	SN1966B	RA: 12 47 45.0000 (191.9375000d) Dec: +04 19 32.00 (4.32556d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config.Mode,Aperture	Spectral Els.
	1	(10) SN1966B	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN1966B (08) (2)
					390 Secs (780 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
	2	(10) SN1966B	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN1966B (08) (2)
					380 Secs (760 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 442 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 17070 - SN1969L (09) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1969L (09), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(11)	SN1969L	RA: 02 43 45.0000 (40.9375000d) Dec: +37 18 7.00 (37.30194d) Equinox: J2000		V=25.0
Fixed Targets	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(11) SN1969L	ACS/WFC, ACCUM, WFC	F814W	
Exposures	Pattern 2, Exps 1-2 i n SN1969L (09) (2)				
	390 Secs (780 Secs) [=>(Pattern 1)] [=>(Pattern 2)]				
Exposures	Orbit [1]				
	2	(11) SN1969L	ACS/WFC, ACCUM, WFC	F555W	
Exposures	Pattern 2, Exps 1-2 i n SN1969L (09) (2)				
	380 Secs (760 Secs) [=>(Pattern 1)] [=>(Pattern 2)]				
Exposures	Orbit [1]				
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN1970A (10) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1970A (10), implementation										Fri Oct 07 19:01:29 GMT 2022		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: ACS/WFC												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=18.39 Purpose=DITHER Angle Between Sides=68.14 Number Of Points=4 Center Pattern=false Point Spacing=0.262 Line Spacing=0.192										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(12)	SN1970A		RA: 12 32 41.0000 (188.1708333d) Dec: +14 02 5.00 (14.03472d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(12) SN1970A	ACS/WFC, ACCUM, WFC		F555W			Pattern 1, Exps 1-1 i n SN1970A (10) (1)	405 Secs (1620 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20220630												

Proposal 17070 - SN1980D (11) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1980D (11), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(13)	SN1980D	RA: 11 34 58.0000 (173.7416667d) Dec: +54 52 54.70 (54.88186d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(13) SN1980D	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN1980D (11) (2)
					390 Secs (780 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
	2	(13) SN1980D	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN1980D (11) (2)
					380 Secs (760 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN1983E (12) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1983E (12), implementation										Fri Oct 07 19:01:29 GMT 2022	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(2)	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		
	(14)	SN1983E		RA: 09 53 42.0000 (148.4250000d) Dec: +01 34 6.00 (1.56833d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(14) SN1983E	ACS/WFC, ACCUM, WFC		F814W			Pattern 2, Exps 1-2 in SN1983E (12) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(14) SN1983E	ACS/WFC, ACCUM, WFC		F555W			Pattern 2, Exps 1-2 in SN1983E (12) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Occultation Unused Orbital Visibility = 442 Pointing Maneuver											

Proposal 17070 - SN1986K (13) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1986K (13), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(15)	SN1986K	RA: 00 55 5.0000 (13.7708333d) Dec: -07 20 2.00 (-7.33389d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(15) SN1986K	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN1986K (13) (2)
					390 Secs (780 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
	2	(15) SN1986K	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN1986K (13) (2)
					380 Secs (760 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN1988E (14) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1988E (14), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(16)	SN1988E	RA: 12 53 29.0000 (193.3708333d) Dec: +02 10 22.60 (2.17294d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(16) SN1988E	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN1988E (14) (2)
					390 Secs (780 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
	2	(16) SN1988E	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN1988E (14) (2)
					380 Secs (760 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 442 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 17070 - SN1990E (15) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1990E (15), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(17)	SN1990E	RA: 02 39 29.0000 (39.8708333d) Dec: -08 08 14.00 (-8.13722d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(17) SN1990E	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN1990E (15) (2)
					390 Secs (780 Secs) [= > (Pattern 1)] [= > (Pattern 2)]
					[1]
	2	(17) SN1990E	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN1990E (15) (2)
					380 Secs (760 Secs) [= > (Pattern 1)] [= > (Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	Orbit 1 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 445 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 17070 - SN1990H (16) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1990H (16), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(18)	SN1990H	RA: 10 36 15.0000 (159.0625000d) Dec: +37 19 27.20 (37.32422d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(18) SN1990H	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN1990H (16) (2)
					390 Secs (780 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
	2	(18) SN1990H	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN1990H (16) (2)
					380 Secs (760 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	GS Acq [] Exp. 1 [] Exp. 2 [] Pointing Maneuver [] Exp. 1 [] Exp. 2 [] Unused Orbital Visibility = 500 [] Occultation [] 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 17070 - SN1995H (17) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1995H (17), implementation										Fri Oct 07 19:01:29 GMT 2022												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(2)	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							
	(19)	SN1995H		RA: 11 06 55.0000 (166.7291667d) Dec: +07 10 19.60 (7.17211d) Equinox: J2000								V=25.0				Reference Frame: ICRS							
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]																						
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(19) SN1995H	ACS/WFC, ACCUM, WFC				F814W						Pattern 2, Exps 1-2 in SN1995H (17) (2)		390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]			
	2		(19) SN1995H	ACS/WFC, ACCUM, WFC				F555W						Pattern 2, Exps 1-2 in SN1995H (17) (2)		380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 445 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec																						

Proposal 17070 - SN1995AG (18) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1995AG (18), implementation										Fri Oct 07 19:01:29 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(20)	SN1995AG	RA: 21 56 19.0000 (329.0791667d) Dec: +73 15 13.60 (73.25378d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(20) SN1995AG	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN1995AG (18) (2)	390 Secs (780 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
2		(20) SN1995AG	ACS/WFC, ACCUM, WFC	F555W				Pattern 2, Exps 1-2 in SN1995AG (18) (2)	380 Secs (760 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 825 Occultation </										

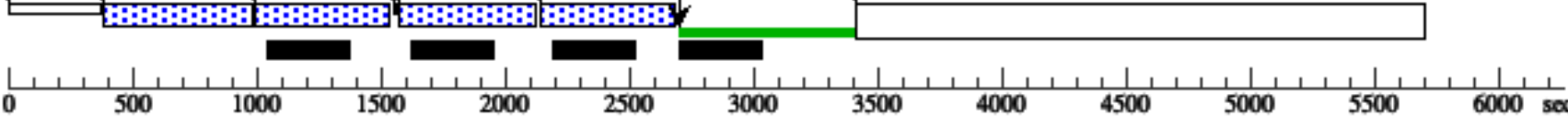
Proposal 17070 - SN1997CX (19) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1997CX (19), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(21)	SN1997CX	RA: 10 05 37.0000 (151.4041667d) Dec: +80 17 27.60 (80.29100d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(21) SN1997CX	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN1997CX (19) (2)
					390 Secs (780 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
	2	(21) SN1997CX	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN1997CX (19) (2)
					380 Secs (760 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 834 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 17070 - SN1998BV (20) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1998BV (20), implementation										Fri Oct 07 19:01:29 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(22)	SN1998BV	RA: 10 38 25.0000 (159.6041667d) Dec: +47 42 32.80 (47.70911d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(22) SN1998BV	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN1998BV (20) (2)	390 Secs (780 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
2		(22) SN1998BV	ACS/WFC, ACCUM, WFC	F555W				Pattern 2, Exps 1-2 in SN1998BV (20) (2)	380 Secs (760 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 585 Occultation										

Proposal 17070 - SN1999BG (21) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1999BG (21), implementation					Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.29 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=3.034 Line Spacing=					(1-2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(23)	SN1999BG	RA: 12 04 7.0000 (181.0291667d) Dec: +62 30 0.10 (62.50003d) Equinox: J2000 Comments: Category=STAR Description=[SUPERNOVA TYPE II]		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(23) SN1999BG	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN1999BG (21) (2)	390 Secs (780 Secs)	
								[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]		
2		(23) SN1999BG	ACS/WFC, ACCUM, WFC	F555W				Pattern 2, Exps 1-2 in SN1999BG (21) (2)	380 Secs (760 Secs)	
								[==>(Pattern 1)]		[1]
								[==>(Pattern 2)]		
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 711 Occultation 									

Proposal 17070 - SN1999BR (22) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN1999BR (22), implementation										Fri Oct 07 19:01:29 GMT 2022	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(2)	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			
	(24)	SN1999BR	RA: 13 00 42.0000 (195.1750000d) Dec: +02 29 45.80 (2.49606d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
Comments: Category=STAR Description=[SUPERNOVA TYPE II]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(24) SN1999BR	ACS/WFC, ACCUM, WFC		F814W			Pattern 2, Exps 1-2 in SN1999BR (22) (2)	390 Secs (780 Secs)		
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(24) SN1999BR	ACS/WFC, ACCUM, WFC		F555W			Pattern 2, Exps 1-2 in SN1999BR (22) (2)	380 Secs (760 Secs)		
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1											
	Server Version: 20220630											
The diagram illustrates the orbit structure over a 6000-second period. Key events include: GS Acq: Green box at approximately 400 seconds. Exp. 1: Green box at approximately 1000 seconds. Exp. 2: Green box at approximately 1600 seconds. Pointing Maneuver: Green box at approximately 2200 seconds. Unused Orbital Visibility = 442: Green box at approximately 2800 seconds. Occultation: Green box at approximately 3200 seconds. The timeline is marked with a scale from 0 to 6000 seconds, with major ticks every 500 seconds. The background of the timeline is divided into segments with different patterns: blue checkered for exposures, black for maneuvers, and white for unused visibility.												

Proposal 17070 - SN2000DB (23) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2000DB (23), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(25)	SN2000DB	RA: 11 53 40.0000 (178.4166667d) Dec: +47 51 46.60 (47.86294d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(25) SN2000DB	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 in SN2000DB (23) (2)
					390 Secs (780 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
	2	(25) SN2000DB	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 in SN2000DB (23) (2)
					380 Secs (760 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	Timeline details: 0 - 50s: GS Acq 50 - 100s: Exp. 1 100 - 150s: Exp. 2 150 - 160s: Pointing Maneuver 160 - 210s: Exp. 1 210 - 260s: Exp. 2 260 - 318s: Unused Orbital Visibility = 585 318 - 570s: Occultation				

Proposal 17070 - SN2001FV (24) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2001FV (24), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(26)	SN2001FV	RA: 11 04 2.0000 (166.0083333d) Dec: +28 01 55.70 (28.03214d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(26) SN2001FV	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 in SN2001FV (24) (2)
					390 Secs (780 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
	2	(26) SN2001FV	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 in SN2001FV (24) (2)
					380 Secs (760 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN2002E (25) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2002E (25), implementation										Fri Oct 07 19:01:29 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(27)	SN2002E	RA: 12 08 53.0000 (182.2208333d) Dec: -09 02 13.00 (-9.03694d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(27) SN2002E	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2002E (25) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(27) SN2002E	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2002E (25) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Occultation Pointing Maneuver Unused Orbital Visibility = 445										

Proposal 17070 - SN2003J (26) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2003J (26), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(28)	SN2003J	RA: 12 10 58.0000 (182.7416667d) Dec: +50 28 31.70 (50.47547d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(28) SN2003J	ACS/WFC, ACCUM, WFC	F814W	
					Opt. Params.
					Special Reqs.
					Groups
					Exp. Time (Total)/[Actual Dur.]
					Orbit
	2	(28) SN2003J	ACS/WFC, ACCUM, WFC	F555W	
					Opt. Params.
					Special Reqs.
					Groups
					Exp. Time (Total)/[Actual Dur.]
					Orbit
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN2003BK (27) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2003BK (27), implementation					Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.29 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=3.034 Line Spacing=					(1-2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(29)	SN2003BK	RA: 12 22 42.0000 (185.6750000d) Dec: +09 20 1.20 (9.33367d) Equinox: J2000 Comments: Category=STAR Description=[SUPERNOVA TYPE II]		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(29) SN2003BK	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2003BK (27) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(29) SN2003BK	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2003BK (27) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 445 Occultation </									

Proposal 17070 - SN2004G (28) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2004G (28), implementation										Fri Oct 07 19:01:29 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(30)	SN2004G	RA: 14 33 21.0000 (218.3375000d) Dec: +04 26 49.50 (4.44708d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(30) SN2004G	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2004G (28) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(30) SN2004G	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2004G (28) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 The diagram illustrates the timeline of Orbit 1. It starts with 'GS Acq' at 0 seconds. This is followed by a sequence of exposures: 'Exp. 1' (approx. 400-500s), 'Exp. 2' (approx. 900-1000s), 'Exp. 1' (approx. 1500-1600s), and 'Exp. 2' (approx. 2100-2200s). Each exposure is represented by a green box with a double-headed arrow. Between the exposures are 'Pointing Maneuvers' (black bars). A large white bar with a blue checkered pattern represents the 'Unused Orbital Visibility = 442' period, spanning from approximately 1000s to 3100s. The timeline ends with an 'Occultation' period (white bar) starting at approximately 3100s and lasting until about 5700s. The x-axis is labeled 'sec' and ranges from 0 to 6000.										

Proposal 17070 - SN2004CM (29) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2004CM (29), implementation										Fri Oct 07 19:01:29 GMT 2022		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: ACS/WFC												
	Special Requirements: (none)												
Patterns	#	Primary Pattern				Secondary Pattern				Exposures			
	(2)	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				
	(31)	SN2004CM	RA: 14 07 25.0000 (211.8541667d) Dec: +55 06 10.90 (55.10303d) Equinox: J2000				V=25.0		Reference Frame: ICRS				
Comments: Category=STAR Description=[SUPERNOVA TYPE II]													
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1		(31) SN2004CM	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2004CM (29) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		
	2		(31) SN2004CM	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2004CM (29) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 689 Occultation												

Proposal 17070 - SN2004EZ (30) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2004EZ (30), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(32)	SN2004EZ	RA: 10 52 15.0000 (163.0625000d) Dec: +32 57 20.10 (32.95558d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(32) SN2004EZ	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN2004EZ (30) (2)
					390 Secs (780 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
	2	(32) SN2004EZ	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN2004EZ (30) (2)
					380 Secs (760 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN2005AD (31) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2005AD (31), implementation										Fri Oct 07 19:01:29 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(33)	SN2005AD	RA: 02 28 29.0000 (37.1208333d) Dec: -01 08 20.00 (-1.13889d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(33) SN2005AD	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2005AD (31) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(33) SN2005AD	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2005AD (31) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 442 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec										

Proposal 17070 - SN2007AV (32) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2007AV (32), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(34)	SN2007AV	RA: 10 34 43.0000 (158.6791667d) Dec: +11 11 39.10 (11.19419d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(34) SN2007AV	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN2007AV (32) (2)
					390 Secs (780 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
	2	(34) SN2007AV	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN2007AV (32) (2)
					380 Secs (760 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	Unused Orbital Visibility = 449				

Proposal 17070 - SN2008FB (33) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2008FB (33), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(35)	SN2008FB	RA: 03 42 37.0000 (55.6541667d) Dec: +71 18 36.50 (71.31014d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(35) SN2008FB	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 in SN2008FB (33) (2)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
	2	(35) SN2008FB	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 in SN2008FB (33) (2)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 825 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 17070 - SN2009AT (34) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2009AT (34), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(36)	SN2009AT	RA: 13 46 27.0000 (206.6125000d) Dec: +46 06 8.70 (46.10242d) Equinox: J2000		V=25.0
Exposures	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(36) SN2009AT	ACS/WFC, ACCUM, WFC	F814W	Pattern 2, Exps 1-2 in SN2009AT (34) (2)
	2	(36) SN2009AT	ACS/WFC, ACCUM, WFC	F555W	Pattern 2, Exps 1-2 in SN2009AT (34) (2)
					Exp. Time (Total)/[Actual Dur.]
					Orbit
					390 Secs (780 Secs)
					[1]
					380 Secs (760 Secs)
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN2009BW (35) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2009BW (35), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(37)	SN2009BW	RA: 03 56 7.0000 (59.0291667d) Dec: +72 55 40.90 (72.92803d) Equinox: J2000		V=25.0
Fixed Targets	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(37) SN2009BW	ACS/WFC, ACCUM, WFC	F814W	
Exposures					Groups
					Pattern 2, Exps 1-2 i n SN2009BW (35) (2)
Exposures					Exp. Time (Total)/[Actual Dur.]
					390 Secs (780 Secs)
Exposures					[=>(Pattern 1)]
					[=>(Pattern 2)]
Exposures					Orbit
					[1]
Exposures	2	(37) SN2009BW	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN2009BW (35) (2)
Exposures					Exp. Time (Total)/[Actual Dur.]
					380 Secs (760 Secs)
Exposures					[=>(Pattern 1)]
					[=>(Pattern 2)]
Exposures					Orbit
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN2009JS (36) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2009JS (36), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(38)	SN2009JS	RA: 02 25 48.0000 (36.4500000d) Dec: +18 29 25.80 (18.49050d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(38) SN2009JS	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 in SN2009JS (36) (2)
					390 Secs (780 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
	2	(38) SN2009JS	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 in SN2009JS (36) (2)
					380 Secs (760 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 456 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 17070 - SN2010GI (37) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2010GI (37), implementation Fri Oct 07 19:01:29 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(39)	SN2010GI	RA: 17 21 46.0000 (260.4416667d) Dec: +75 50 44.40 (75.84567d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(39) SN2010GI	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN2010GI (37) (2)
					390 Secs (780 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
	2	(39) SN2010GI	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN2010GI (37) (2)
					380 Secs (760 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN2011AQ (38) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2011AQ (38), implementation										Fri Oct 07 19:01:30 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(40)	SN2011AQ	RA: 02 42 48.0000 (40.7000000d) Dec: +28 34 25.80 (28.57383d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(40) SN2011AQ	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2011AQ (38) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(40) SN2011AQ	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2011AQ (38) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 465 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec										

Proposal 17070 - SN2013AB (39) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2013AB (39), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192		Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(42)	SN2013AB	RA: 14 32 44.0000 (218.1833333d) Dec: +09 53 12.30 (9.88675d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(42) SN2013AB	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 1, Exps 1-1 in SN2013AB (39) (1)
					Exp. Time (Total)/[Actual Dur.] 405 Secs (1620 Secs) [= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	Diagram illustrating the Orbit Structure for Orbit 1. The timeline shows various events: GS Acq, four exposures (Exp. 1), three Pointing Maneuvers, and an Occultation period. The observation window is marked with a blue checkered bar, and the occultation is marked with a green bar. The total duration is 6000 seconds, with 448 seconds of unused orbital visibility.				

Proposal 17070 - SN2013AM (40) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2013AM (40), implementation					Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.29 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=3.034 Line Spacing=					(1-2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(43)	SN2013AM	RA: 11 18 57.0000 (169.7375000d) Dec: +13 03 49.40 (13.06372d) Equinox: J2000 Comments: Category=STAR Description=[SUPERNOVA TYPE II]		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(43) SN2013AM	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2013AM (40) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(43) SN2013AM	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2013AM (40) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 449 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec									

Proposal 17070 - SN2014CW (41) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2014CW (41), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(44)	SN2014CW	RA: 22 15 27.0000 (333.8625000d) Dec: -10 28 35.00 (-10.47639d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(44) SN2014CW	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN2014CW (41) (2)
					390 Secs (780 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
	2	(44) SN2014CW	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN2014CW (41) (2)
					380 Secs (760 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN2014CX (42) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2014CX (42), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(45)	SN2014CX	RA: 00 59 48.0000 (14.9500000d) Dec: -07 34 19.00 (-7.57194d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(45) SN2014CX	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 in SN2014CX (42) (2) [=>(Pattern 1)] [=>(Pattern 2)]
	2	(45) SN2014CX	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 in SN2014CX (42) (2) [=>(Pattern 1)] [=>(Pattern 2)]
Orbit Structure	Orbit 1 Server Version: 20220630				
	GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 445 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 17070 - SN2015V (43) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2015V (43), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	
	(2)	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			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(46)	SN2015V	RA: 17 49 27.0000 (267.3625000d) Dec: +36 08 36.00 (36.14333d) Equinox: J2000		V=25.0
Exposures	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(46) SN2015V	ACS/WFC, ACCUM, WFC	F814W	Pattern 2, Exps 1-2 i n SN2015V (43) (2)
	2	(46) SN2015V	ACS/WFC, ACCUM, WFC	F555W	Pattern 2, Exps 1-2 i n SN2015V (43) (2)
					Exp. Time (Total)/[Actual Dur.]
					[=>(Pattern 1)] [=>(Pattern 2)]
					Orbit
					[1]
					[1]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 500 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 17070 - SN2015AQ (44) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2015AQ (44), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=18.39 Purpose=DITHER Angle Between Sides=68.14 Number Of Points=4 Center Pattern=false Point Spacing=0.262 Line Spacing=0.192			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(47)	SN2015AQ	RA: 09 25 45.0000 (141.4375000d) Dec: +34 16 36.10 (34.27669d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(47) SN2015AQ	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 1, Exps 1-1 in SN2015AQ (44) (1)
					Exp. Time (Total)/[Actual Dur.] 405 Secs (1620 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	Diagram illustrating the Orbit Structure for Orbit 1. The timeline shows the sequence of events: GS Acq, Exp. 1, Pointing Maneuver, Exp. 1, Pointing Maneuver, Exp. 1, Pointing Maneuver, Exp. 1, and Occultation. The total duration is 6000 seconds. The observation window (blue checkered bar) spans from approximately 400 to 3000 seconds. The occultation (green bar) starts at approximately 3000 seconds and lasts for 483 seconds. The unused orbital visibility is 483 seconds.				

Proposal 17070 - SN2016B (45) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2016B (45), implementation										Fri Oct 07 19:01:30 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(48)	SN2016B	RA: 11 55 4.0000 (178.7666667d) Dec: +01 43 6.80 (1.71856d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(48) SN2016B	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2016B (45) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(48) SN2016B	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2016B (45) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Occultation Pointing Maneuver Unused Orbital Visibility = 442 050010001500200025003000350040004500500055006000sec										

Proposal 17070 - SN2016BKV (46) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2016BKV (46), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=18.39 Purpose=DITHER Angle Between Sides=68.14 Number Of Points=4 Center Pattern=false Point Spacing=0.262 Line Spacing=0.192			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(49)	SN2016BKV	RA: 10 18 19.0000 (154.5791667d) Dec: +41 25 39.30 (41.42758d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(49) SN2016BKV	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 1, Exps 1-1 in SN2016BKV (46) (1)
					Exp. Time (Total)/[Actual Dur.] 405 Secs (1620 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	The diagram illustrates the orbit structure for Orbit 1, spanning from 0 to 6000 seconds. Key events include: GS Acq: Ground Station Acquisition at approximately 400 seconds. Exp. 1: Four exposures, each lasting 405 seconds, occurring at approximately 500, 1100, 1700, and 2300 seconds. Pointing Maneuvers: Three maneuvers occurring at approximately 1000, 1600, and 2200 seconds. Occultation: A period of 541 seconds of unused orbital visibility, indicated by a green bar, occurring from approximately 2700 to 3200 seconds.				

Proposal 17070 - SN2016COK (47) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2016COK (47), implementation										Fri Oct 07 19:01:30 GMT 2022												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(2)	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							
	(50)	SN2016COK		RA: 11 20 19.0000 (170.0791667d) Dec: +12 58 57.20 (12.98256d) Equinox: J2000								V=25.0				Reference Frame: ICRS							
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]																						
Exposures	#	Label	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit				
	1		(50) SN2016COK	ACS/WFC, ACCUM, WFC			F814W						Pattern 2, Exps 1-2 in SN2016COK (47) (2)		390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]				
	2		(50) SN2016COK	ACS/WFC, ACCUM, WFC			F555W						Pattern 2, Exps 1-2 in SN2016COK (47) (2)		380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 449 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec																						

Proposal 17070 - SN2017BZB (48) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2017BZB (48), implementation					Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.29 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=3.034 Line Spacing=					(1-2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(51)	SN2017BZB	RA: 22 57 17.3000 (344.3220833d) Dec: -41 00 57.60 (-41.01600d) Equinox: J2000 Comments: Category=STAR Description=[SUPERNOVA TYPE II]		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(51) SN2017BZB	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2017BZB (48) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(51) SN2017BZB	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2017BZB (48) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 538 Occultation									

Proposal 17070 - SN2017EAW (49) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2017EAW (49), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(52)	SN2017EAW	RA: 20 34 44.2400 (308.6843333d) Dec: +60 11 36.00 (60.19333d) Equinox: J2000		V=25.0
Exposures	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(52) SN2017EAW	ACS/WFC, ACCUM, WFC	F814W	
					Opt. Params.
					Special Reqs.
					Groups
					Exp. Time (Total)/[Actual Dur.]
					Orbit

Proposal 17070 - SN2017GMR (50) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2017GMR (50), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(53)	SN2017GMR	RA: 02 35 30.0000 (38.8750000d) Dec: -09 21 15.00 (-9.35417d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(53) SN2017GMR	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN2017GMR (50) (2)
					390 Secs (780 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
	2	(53) SN2017GMR	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN2017GMR (50) (2)
					380 Secs (760 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN2017HTA (51) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2017HTA (51), implementation										Fri Oct 07 19:01:30 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(54)	SN2017HTA	RA: 03 39 48.0000 (54.9500000d) Dec: +66 43 5.90 (66.71831d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(54) SN2017HTA	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2017HTA (51) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(54) SN2017HTA	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2017HTA (51) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 The diagram illustrates the timeline of Orbit 1. It starts with 'GS Acq' at 0 seconds. This is followed by a sequence of exposures: 'Exp. 1' (green box), 'Exp. 2' (green box), 'Exp. 1' (green box), and 'Exp. 2' (green box). These are separated by 'Pointing Maneuver' periods (black bars). A large 'Unused Orbital Visibility = 786' period is shown as a green bar. The timeline ends with an 'Occultation' period (white bar). The x-axis is labeled 'sec' and ranges from 0 to 6000.										

Proposal 17070 - SN2018DFG (52) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2018DFG (52), implementation					Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(2)	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				
	(55)	SN2018DFG	RA: 14 06 34.7000 (211.6445833d) Dec: -05 27 2.90 (-5.45081d) Equinox: J2000 Comments: Category=STAR Description=[SUPERNOVA TYPE II]		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(55) SN2018DFG	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2018DFG (52) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(55) SN2018DFG	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2018DFG (52) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 445 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec									

Proposal 17070 - SN2018GET (53) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2018GET (53), implementation										Fri Oct 07 19:01:30 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(56)	SN2018GET	RA: 07 34 9.0000 (113.5375000d) Dec: +04 32 57.91 (4.54942d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(56) SN2018GET	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2018GET (53) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(56) SN2018GET	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2018GET (53) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 442 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec										

Proposal 17070 - SN2018GJ (54) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2018GJ (54), implementation										Fri Oct 07 19:01:30 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(57)	SN2018GJ	RA: 16 32 2.3000 (248.0095833d) Dec: +78 12 40.93 (78.21137d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(57) SN2018GJ	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2018GJ (54) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(57) SN2018GJ	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2018GJ (54) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 The diagram shows a timeline from 0 to 6000 seconds. Key events include: GS Acq at ~400s, Exp. 1 at ~600s, Exp. 2 at ~1000s, Pointing Maneuver at ~1600s, Exp. 1 at ~1800s, Exp. 2 at ~2200s, and Occultation starting at ~3500s. Unused Orbital Visibility is 819 seconds. The timeline is divided into segments: blue checkered (exposures), black (pointing maneuvers), green (unused visibility), and white (occultation).										

Proposal 17070 - SN2018HNA (55) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2018HNA (55), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(58)	SN2018HNA	RA: 12 26 12.0000 (186.5500000d) Dec: +58 18 50.80 (58.31411d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(58) SN2018HNA	ACS/WFC, ACCUM, WFC	F814W	
					Opt. Params. Special Reqs.
					Groups
					Exp. Time (Total)/[Actual Dur.]
					Orbit
	2	(58) SN2018HNA	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN2018HNA (55) (2)
					390 Secs (780 Secs) [= > (Pattern 1)] [= > (Pattern 2)]
					[1]
					Pattern 2, Exps 1-2 i n SN2018HNA (55) (2)
					380 Secs (760 Secs) [= > (Pattern 1)] [= > (Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	The diagram illustrates the orbit structure for Orbit 1, spanning from 0 to 6000 seconds. Key events include: GS Acq: Green Start Acquisition at approximately 400 seconds. Exp. 1: Exposure 1 (green box) from 400 to 1000 seconds. Exp. 2: Exposure 2 (green box) from 1000 to 1500 seconds. Pointing Maneuver: Indicated by a double-headed arrow between 1500 and 1600 seconds. Exp. 1: Exposure 1 (green box) from 1600 to 2100 seconds. Exp. 2: Exposure 2 (green box) from 2100 to 2600 seconds. Unused Orbital Visibility = 689: A green bar from 2600 to 3300 seconds. Occultation: A white bar from 3300 to 5700 seconds. Black bars below the timeline indicate periods of non-visibility or constraints.				

Proposal 17070 - SN2018IMF (56) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2018IMF (56), implementation										Fri Oct 07 19:01:30 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(59)	SN2018IMF	RA: 12 42 41.0000 (190.6708333d) Dec: +13 15 55.00 (13.26528d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(59) SN2018IMF	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2018IMF (56) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(59) SN2018IMF	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2018IMF (56) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 449 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec										

Proposal 17070 - SN2018ZD (57) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2018ZD (57), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(60)	SN2018ZD	RA: 06 18 3.1800 (94.5132500d) Dec: +78 22 0.90 (78.36692d) Equinox: J2000		V=25.0
Fixed Targets	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config.Mode,Aperture	Spectral Els.
	1	(60) SN2018ZD	ACS/WFC, ACCUM, WFC	F814W	
Exposures	Pattern 2, Exps 1-2 in SN2018ZD (57) (2) [=>(Pattern 1)] [=>(Pattern 2)]				
	390 Secs (780 Secs) [1]				
Exposures	2	(60) SN2018ZD	ACS/WFC, ACCUM, WFC	F555W	
	Pattern 2, Exps 1-2 in SN2018ZD (57) (2) [=>(Pattern 1)] [=>(Pattern 2)]				
Exposures	380 Secs (760 Secs) [1]				
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN2019EL (58) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2019EL (58), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(61)	SN2019EL	RA: 00 02 57.0000 (.7375000d) Dec: +32 32 52.30 (32.54786d) Equinox: J2000		V=25.0
Fixed Targets	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(61) SN2019EL	ACS/WFC, ACCUM, WFC	F814W	
Exposures	Pattern 2, Exps 1-2 i n SN2019EL (58) (2)				
	390 Secs (780 Secs) [=>(Pattern 1)] [=>(Pattern 2)]				
Exposures	Orbit				
	[1]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	2	(61) SN2019EL	ACS/WFC, ACCUM, WFC	F555W	
Exposures	Pattern 2, Exps 1-2 i n SN2019EL (58) (2)				
	380 Secs (760 Secs) [=>(Pattern 1)] [=>(Pattern 2)]				
Exposures	Orbit				
	[1]				
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN2019ESA (59) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2019ESA (59), implementation										Fri Oct 07 19:01:30 GMT 2022		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: ACS/WFC												
	Special Requirements: (none)												
Patterns	#	Primary Pattern				Secondary Pattern				Exposures			
	(2)	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				
	(62)	SN2019ESA	RA: 07 55 0.8900 (118.7537083d) Dec: +76 24 43.11 (76.41198d) Equinox: J2000				V=25.0		Reference Frame: ICRS				
Comments: Category=STAR Description=[SUPERNOVA TYPE II]													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(62) SN2019ESA	ACS/WFC, ACCUM, WFC		F814W			Pattern 2, Exps 1-2 in SN2019ESA (59) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2		(62) SN2019ESA	ACS/WFC, ACCUM, WFC		F555W			Pattern 2, Exps 1-2 in SN2019ESA (59) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 819 Occultation												

Proposal 17070 - SN2020ABJQ (60) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020ABJQ (60), implementation										Fri Oct 07 19:01:30 GMT 2022	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(2)	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			
	(63)	SN2020ABJQ	RA: 01 06 14.6300 (16.5609583d) Dec: +03 34 26.18 (3.57394d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(63) SN2020ABJQ	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2020ABJQ (60) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2		(63) SN2020ABJQ	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2020ABJQ (60) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 442 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Proposal 17070 - SN2020AZE (61) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020AZE (61), implementation										Fri Oct 07 19:01:30 GMT 2022												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(2)	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							
	(64)	SN2020AZE		RA: 10 37 15.3400 (159.3139167d) Dec: -41 37 29.59 (-41.62489d) Equinox: J2000								V=25.0				Reference Frame: ICRS							
Comments: Category=STAR Description=[SUPERNOVA TYPE II]																							
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(64) SN2020AZE	ACS/WFC, ACCUM, WFC				F814W						Pattern 2, Exps 1-2 in SN2020AZE (61) (2)		390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]			
	2		(64) SN2020AZE	ACS/WFC, ACCUM, WFC				F555W						Pattern 2, Exps 1-2 in SN2020AZE (61) (2)		380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 538 Occultation																						

Proposal 17070 - SN2020BIO (62) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020BIO (62), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(65)	SN2020BIO	RA: 13 55 37.6800 (208.9070000d) Dec: +40 28 39.02 (40.47751d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(65) SN2020BIO	ACS/WFC, ACCUM, WFC	F814W	
					Pattern 2, Exps 1-2 i n SN2020BIO (62) (2)
					390 Secs (780 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
	2	(65) SN2020BIO	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN2020BIO (62) (2)
					380 Secs (760 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 538 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 17070 - SN2020FQV (63) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020FQV (63), implementation										Fri Oct 07 19:01:30 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(66)	SN2020FQV	RA: 12 36 33.2600 (189.1385833d) Dec: +11 13 53.95 (11.23165d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(66) SN2020FQV	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2020FQV (63) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(66) SN2020FQV	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2020FQV (63) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 449 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec										

Proposal 17070 - SN2020FTL (64) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020FTL (64), implementation										Fri Oct 07 19:01:30 GMT 2022		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: ACS/WFC												
	Special Requirements: (none)												
Patterns	#	Primary Pattern				Secondary Pattern				Exposures			
	(2)	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				
	(67)	SN2020FTL	RA: 12 20 3.7700 (185.0157083d) Dec: +05 20 35.99 (5.34333d) Equinox: J2000				V=25.0		Reference Frame: ICRS				
Comments: Category=STAR Description=[SUPERNOVA TYPE II]													
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1		(67) SN2020FTL	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2020FTL (64) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		
	2		(67) SN2020FTL	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2020FTL (64) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 445 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec												

Proposal 17070 - SN2020GHQ (65) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020GHQ (65), implementation										Fri Oct 07 19:01:30 GMT 2022												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(2)	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							
	(68)	SN2020GHQ		RA: 14 45 20.4300 (221.3351250d) Dec: +38 44 18.31 (38.73842d) Equinox: J2000								V=25.0				Reference Frame: ICRS							
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]																						
Exposures	#	Label	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit				
	1		(68) SN2020GHQ	ACS/WFC, ACCUM, WFC			F814W						Pattern 2, Exps 1-2 in SN2020GHQ (65) (2)		390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]				
	2		(68) SN2020GHQ	ACS/WFC, ACCUM, WFC			F555W						Pattern 2, Exps 1-2 in SN2020GHQ (65) (2)		380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 500 Occultation </																						

Proposal 17070 - SN2020JFO (66) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020JFO (66), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(69)	SN2020JFO	RA: 12 21 50.4800 (185.4603333d) Dec: +04 28 54.11 (4.48170d) Equinox: J2000		V=25.0
Fixed Targets	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(69) SN2020JFO	ACS/WFC, ACCUM, WFC	F814W	
Exposures					Groups
					Pattern 2, Exps 1-2 i n SN2020JFO (66) (2)
Exposures					Exp. Time (Total)/[Actual Dur.]
					390 Secs (780 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
Exposures					Orbit
					[1]
Exposures	2	(69) SN2020JFO	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN2020JFO (66) (2)
Exposures					Exp. Time (Total)/[Actual Dur.]
					380 Secs (760 Secs) [=>(Pattern 1)] [=>(Pattern 2)]
Exposures					Orbit
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				

Proposal 17070 - SN2020MJM (67) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020MJM (67), implementation					Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.29 Number Of Points=2 Angle Between Sides= Point Spacing=3.034 Center Pattern=false Line Spacing=					(1-2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(70)	SN2020MJM	RA: 14 29 29.3310 (217.3722125d) Dec: -00 01 17.71 (-.02159d) Equinox: J2000 Comments: Category=STAR Description=[SUPERNOVA TYPE II]		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(70) SN2020MJM	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2020MJM (67) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(70) SN2020MJM	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2020MJM (67) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 442 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec									

Proposal 17070 - SN2020MMZ (68) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020MMZ (68), implementation										Fri Oct 07 19:01:30 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(71)	SN2020MMZ	RA: 09 21 11.5680 (140.2982000d) Dec: +64 15 14.25 (64.25396d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(71) SN2020MMZ	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2020MMZ (68) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(71) SN2020MMZ	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2020MMZ (68) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 711 Occultation										

Proposal 17070 - SN2020NIF (69) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020NIF (69), implementation										Fri Oct 07 19:01:30 GMT 2022		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: ACS/WFC												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	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			
	(72)	SN2020NIF		RA: 13 04 13.7500 (196.0572917d) Dec: -10 21 3.60 (-10.35100d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(72) SN2020NIF	ACS/WFC, ACCUM, WFC		F814W			Pattern 2, Exps 1-2 in SN2020NIF (69) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2		(72) SN2020NIF	ACS/WFC, ACCUM, WFC		F555W			Pattern 2, Exps 1-2 in SN2020NIF (69) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 449 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec												

Proposal 17070 - SN2020OCZ (70) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020OCZ (70), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(73)	SN2020OCZ	RA: 05 10 44.1900 (77.6841250d) Dec: -31 35 37.61 (-31.59378d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(73) SN2020OCZ	ACS/WFC, ACCUM, WFC	F814W	
					Opt. Params. Special Reqs. Groups Exp. Time (Total)/[Actual Dur.] Orbit
	2	(73) SN2020OCZ	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 2, Exps 1-2 i n SN2020OCZ (70) (2) [= > (Pattern 1)] [= > (Pattern 2)]
					Pattern 2, Exps 1-2 i n SN2020OCZ (70) (2) [= > (Pattern 1)] [= > (Pattern 2)]
Orbit Structure	Orbit 1 Server Version: 20220630				
	The diagram illustrates the timeline of Orbit 1, spanning from 0 to 6000 seconds. Key events include: GS Acq: Green box at approximately 400 seconds. Exp. 1: Blue box at approximately 800 seconds. Exp. 2: Blue box at approximately 1200 seconds. Pointing Maneuver: Indicated by a double-headed arrow between 1500 and 1800 seconds. Exp. 1: Blue box at approximately 2000 seconds. Exp. 2: Blue box at approximately 2400 seconds. Unused Orbital Visibility = 480: A green bar from approximately 2800 to 3200 seconds. Occultation: A long white bar starting at approximately 3200 seconds and ending at 5700 seconds.				

Proposal 17070 - SN2020PNI (71) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020PNI (71), implementation					Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(2)	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				
	(74)	SN2020PNI	RA: 15 03 49.9600 (225.9581667d) Dec: +42 06 50.53 (42.11404d) Equinox: J2000 Comments: Category=STAR Description=[SUPERNOVA TYPE II]		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(74) SN2020PNI	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2020PNI (71) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(74) SN2020PNI	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2020PNI (71) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 538 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec									

Proposal 17070 - SN2020QMP (72) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020QMP (72), implementation										Fri Oct 07 19:01:30 GMT 2022												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(2)	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							
	(75)	SN2020QMP		RA: 12 08 44.4430 (182.1851792d) Dec: +36 48 17.27 (36.80480d) Equinox: J2000								V=25.0				Reference Frame: ICRS							
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]																						
Exposures	#	Label	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit				
	1		(75) SN2020QMP	ACS/WFC, ACCUM, WFC			F814W						Pattern 2, Exps 1-2 in SN2020QMP (72) (2)		390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]				
	2		(75) SN2020QMP	ACS/WFC, ACCUM, WFC			F555W						Pattern 2, Exps 1-2 in SN2020QMP (72) (2)		380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Occultation Pointing Maneuver Unused Orbital Visibility = 500																						

Proposal 17070 - SN2020TLF (73) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020TLF (73), implementation										Fri Oct 07 19:01:30 GMT 2022	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(2)	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		
	(76)	SN2020TLF		RA: 14 40 10.0300 (220.0417917d) Dec: +42 46 39.45 (42.77763d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(76) SN2020TLF	ACS/WFC, ACCUM, WFC		F814W			Pattern 2, Exps 1-2 in SN2020TLF (73) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(76) SN2020TLF	ACS/WFC, ACCUM, WFC		F555W			Pattern 2, Exps 1-2 in SN2020TLF (73) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 538 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Proposal 17070 - SN2020ZBV (74) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020ZBV (74), implementation										Fri Oct 07 19:01:30 GMT 2022												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(2)	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							
	(77)	SN2020ZBV		RA: 03 44 28.6200 (56.1192500d) Dec: -44 39 25.93 (-44.65720d) Equinox: J2000								V=25.0				Reference Frame: ICRS							
Comments: Category=STAR Description=[SUPERNOVA TYPE II]																							
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(77) SN2020ZBV	ACS/WFC, ACCUM, WFC				F814W						Pattern 2, Exps 1-2 in SN2020ZBV (74) (2)		390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]			
	2		(77) SN2020ZBV	ACS/WFC, ACCUM, WFC				F555W						Pattern 2, Exps 1-2 in SN2020ZBV (74) (2)		380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 538 Occultation </																						

Proposal 17070 - SN2020ZXD (75) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020ZXD (75), implementation										Fri Oct 07 19:01:30 GMT 2022	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.29 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=3.034 Line Spacing=								(1-2)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(78)	SN2020ZXD		RA: 17 26 29.2630 (261.6219292d) Dec: +71 05 38.65 (71.09407d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(78) SN2020ZXD	ACS/WFC, ACCUM, WFC		F814W			Pattern 2, Exps 1-2 in SN2020ZXD (75) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(78) SN2020ZXD	ACS/WFC, ACCUM, WFC		F555W			Pattern 2, Exps 1-2 in SN2020ZXD (75) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Occultation Pointing Maneuver Unused Orbital Visibility = 825											

Proposal 17070 - SN2021ADLW (76) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2021ADLW (76), implementation					Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.29 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=3.034 Line Spacing=					(1-2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(79)	SN2021ADLW	RA: 11 41 17.8220 (175.3242583d) Dec: +36 32 34.67 (36.54296d) Equinox: J2000 Comments: Category=STAR Description=[SUPERNOVA TYPE II]		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(79) SN2021ADLW	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2021ADLW (76) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(79) SN2021ADLW	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2021ADLW (76) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 500 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec									

Proposal 17070 - SN2021BUG (77) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2021BUG (77), implementation										Fri Oct 07 19:01:30 GMT 2022	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.29 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=3.034 Line Spacing=								(1-2)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(80)	SN2021BUG		RA: 12 34 22.7530 (188.5948042d) Dec: +02 19 2.11 (2.31725d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(80) SN2021BUG	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2021BUG (77) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2		(80) SN2021BUG	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2021BUG (77) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 442 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Proposal 17070 - SN2021GMJ (78) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2021GMJ (78), implementation										Fri Oct 07 19:01:30 GMT 2022												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(2)	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							
	(81)	SN2021GMJ		RA: 10 38 47.2790 (159.6969958d) Dec: +53 30 30.42 (53.50845d) Equinox: J2000								V=25.0				Reference Frame: ICRS							
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]																						
Exposures	#	Label	Target	Config,Mode,Aperture			Spectral Els.			Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(81) SN2021GMJ	ACS/WFC, ACCUM, WFC			F814W							Pattern 2, Exps 1-2 in SN2021GMJ (78) (2)		390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]			
	2		(81) SN2021GMJ	ACS/WFC, ACCUM, WFC			F555W							Pattern 2, Exps 1-2 in SN2021GMJ (78) (2)		380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 633 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec																						

Proposal 17070 - SN2021QVR (79) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2021QVR (79), implementation Fri Oct 07 19:01:30 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(2)	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
	(83)	SN2021QVR	RA: 23 28 26.6470 (352.1110292d) Dec: +22 25 11.94 (22.41998d) Equinox: J2000		V=25.0
Exposures	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(83)	SN2021QVR	ACS/WFC, ACCUM, WFC	F814W
					Opt. Params.
					Special Reqs.
					Groups
					Exp. Time (Total)/[Actual Dur.]
					Orbit

Proposal 17070 - SN2021SJT (80) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2021SJT (80), implementation										Fri Oct 07 19:01:30 GMT 2022												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(2)	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							
	(84)	SN2021SJT		RA: 20 37 19.2000 (309.3300000d) Dec: +66 06 23.08 (66.10641d) Equinox: J2000								V=25.0				Reference Frame: ICRS							
Comments: Category=STAR Description=[SUPERNOVA TYPE II]																							
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(84) SN2021SJT	ACS/WFC, ACCUM, WFC				F814W						Pattern 2, Exps 1-2 in SN2021SJT (80) (2)		390 Secs (780 Secs)							
														[==>(Pattern 1)] [==>(Pattern 2)]						[1]			
	2		(84) SN2021SJT	ACS/WFC, ACCUM, WFC				F555W						Pattern 2, Exps 1-2 in SN2021SJT (80) (2)		380 Secs (760 Secs)							
[==>(Pattern 1)] [==>(Pattern 2)]																							
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Occultation Pointing Maneuver Unused Orbital Visibility = 786 </																						

Proposal 17070 - SN2021VAZ (81) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2021VAZ (81), implementation										Fri Oct 07 19:01:30 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(85)	SN2021VAZ	RA: 05 42 1.7600 (85.5073333d) Dec: +69 22 36.10 (69.37669d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(85) SN2021VAZ	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2021VAZ (81) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(85) SN2021VAZ	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2021VAZ (81) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 786 Occultation </										

Proposal 17070 - SN2021YJA (82) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2021YJA (82), implementation										Fri Oct 07 19:01:30 GMT 2022	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(2)	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		
	(86)	SN2021YJA		RA: 03 24 21.1740 (51.0882250d) Dec: -21 33 56.19 (-21.56561d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(86) SN2021YJA	ACS/WFC, ACCUM, WFC		F814W			Pattern 2, Exps 1-2 in SN2021YJA (82) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(86) SN2021YJA	ACS/WFC, ACCUM, WFC		F555W			Pattern 2, Exps 1-2 in SN2021YJA (82) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 457 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Proposal 17070 - SN2021DBG (83) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2021DBG (83), implementation										Fri Oct 07 19:01:30 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.29 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=3.034 Line Spacing=								(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(87)	SN2021DBG	RA: 09 24 26.8000 (141.1116667d) Dec: -06 34 53.12 (-6.58142d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(87) SN2021DBG	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2021DBG (83) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(87) SN2021DBG	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2021DBG (83) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 050010001500200025003000350040004500500055006000 sec										

Proposal 17070 - SN2021ZJ (84) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2021ZJ (84), implementation										Fri Oct 07 19:01:30 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(88)	SN2021ZJ	RA: 11 16 32.7100 (169.1362917d) Dec: +29 05 46.14 (29.09615d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(88) SN2021ZJ	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2021ZJ (84) (2)	390 Secs (780 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
2		(88) SN2021ZJ	ACS/WFC, ACCUM, WFC	F555W				Pattern 2, Exps 1-2 in SN2021ZJ (84) (2)	380 Secs (760 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 465 Occultation </										

Proposal 17070 - SN2022JZC (85) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2022JZC (85), implementation										Fri Oct 07 19:01:30 GMT 2022	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(2)	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			
	(91)	SN2022JZC	RA: 12 05 28.6610 (181.3694208d) Dec: +50 31 36.55 (50.52682d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
Comments: Category=STAR Description=[SUPERNOVA TYPE II]												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(91) SN2022JZC	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2022JZC (85) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2		(91) SN2022JZC	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2022JZC (85) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]	
Orbit Structure	Orbit 1											Server Version: 20220630

Proposal 17070 - SN2021TYW (86) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2021TYW (86), implementation										Fri Oct 07 19:01:31 GMT 2022		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: ACS/WFC												
	Special Requirements: (none)												
Patterns	#	Primary Pattern				Secondary Pattern				Exposures			
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.29 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=3.034 Line Spacing=								(1-2)			
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(89)	SN2021TYW	RA: 23 05 56.4600 (346.4852500d) Dec: +14 21 27.72 (14.35770d) Equinox: J2000				V=25.0		Reference Frame: ICRS				
Comments: Category=STAR Description=[SUPERNOVA TYPE II]													
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1		(89) SN2021TYW	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2021TYW (86) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		
	2		(89) SN2021TYW	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2021TYW (86) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]		
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 449 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec												

Proposal 17070 - SN2022FFG (87) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2022FFG (87), implementation										Fri Oct 07 19:01:31 GMT 2022
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	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		
	(90)	SN2022FFG	RA: 10 13 48.2300 (153.4509583d) Dec: +18 07 38.35 (18.12732d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA TYPE II]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(90) SN2022FFG	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2022FFG (87) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		(90) SN2022FFG	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2022FFG (87) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 456 Occultation </										

Proposal 17070 - SN2022MJI (88) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2022MJI (88), implementation Fri Oct 07 19:01:31 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=18.39 Purpose=DITHER Angle Between Sides=68.14 Number Of Points=4 Center Pattern=false Point Spacing=0.262 Line Spacing=0.192			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(92)	SN2022MJI	RA: 09 42 54.0530 (145.7252208d) Dec: +31 51 3.60 (31.85100d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(92) SN2022MJI	ACS/WFC, ACCUM, WFC	F555W	
					Pattern 1, Exps 1-1 in SN2022MJI (88) (1)
					Exp. Time (Total)/[Actual Dur.] 405 Secs (1620 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	The diagram illustrates the orbit structure for Orbit 1, spanning from 0 to 6000 seconds. Key events include: GS Acq: Green Start Acquisition at approximately 400 seconds. Exp. 1: Four exposures, each lasting 405 seconds, occurring at approximately 500, 1100, 1700, and 2300 seconds. Pointing Maneuvers: Three maneuvers occurring between exposures at approximately 1000, 1600, and 2200 seconds. Occultation: A period of 483 seconds of unused orbital visibility, indicated by a green bar starting at approximately 2700 seconds.				

Proposal 17070 - SN2022IWV (89) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2022IWV (89), implementation Fri Oct 07 19:01:31 GMT 2022				
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(2)	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
	(93)	SN2022IWV	RA: 18 22 37.9800 (275.6582500d) Dec: -85 24 14.36 (-85.40399d) Equinox: J2000		V=25.0
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(93) SN2022IWV	ACS/WFC, ACCUM, WFC	F814W	
					Opt. Params. Special Reqs.
					Groups
					Exp. Time (Total)/[Actual Dur.]
					Orbit
	1	(93) SN2022IWV	ACS/WFC, ACCUM, WFC	F814W	Pattern 2, Exps 1-2 i n SN2022IWV (89) (2)
					390 Secs (780 Secs) [= > (Pattern 1)] [= > (Pattern 2)]
					[1]
	2	(93) SN2022IWV	ACS/WFC, ACCUM, WFC	F555W	Pattern 2, Exps 1-2 i n SN2022IWV (89) (2)
					380 Secs (760 Secs) [= > (Pattern 1)] [= > (Pattern 2)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20220630				
	Orbit 1 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 840 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec				

Proposal 17070 - SN2021ABKM (90) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2021ABKM (90), implementation					Fri Oct 07 19:01:31 GMT 2022				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.29 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=3.034 Line Spacing=					(1-2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(94)	SN2021ABKM	RA: 18 22 37.6300 (275.6567917d) Dec: +15 42 17.63 (15.70490d) Equinox: J2000 Comments: Category=STAR Description=[SUPERNOVA TYPE II]		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(94) SN2021ABKM	ACS/WFC, ACCUM, WFC	F814W			Pattern 2, Exps 1-2 in SN2021ABKM (90) (2)	390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(94) SN2021ABKM	ACS/WFC, ACCUM, WFC	F555W			Pattern 2, Exps 1-2 in SN2021ABKM (90) (2)	380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Pointing Maneuver Exp. 1 Exp. 2 Unused Orbital Visibility = 456 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec									

Proposal 17070 - SN2022FNM (91) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2022FNM (91), implementation										Fri Oct 07 19:01:31 GMT 2022		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: ACS/WFC												
	Special Requirements: (none)												
Patterns	#	Primary Pattern				Secondary Pattern				Exposures			
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=18.39 Purpose=DITHER Angle Between Sides=68.14 Number Of Points=4 Center Pattern=false Point Spacing=0.262 Line Spacing=0.192								(1)			
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(95)	SN2022FNM	RA: 12 25 33.7100 (186.3904583d) Dec: +45 41 12.45 (45.68679d) Equinox: J2000				V=25.0		Reference Frame: ICRS				
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(95) SN2022FNM	ACS/WFC, ACCUM, WFC		F555W			Pattern 1, Exps 1-1 i n SN2022FNM (91) (1)	405 Secs (1620 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]		[1]	
Orbit Structure	Orbit 1												Server Version: 20220630

Proposal 17070 - SN2020ACAT (92) - Snapshot Observations of Type II Supernovae

Visit	Proposal 17070, SN2020ACAT (92), implementation										Fri Oct 07 19:01:31 GMT 2022												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: ACS/WFC																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(2)	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							
	(96)	SN2020ACAT		RA: 11 50 41.2200 (177.6717500d) Dec: -10 13 38.90 (-10.22747d) Equinox: J2000								V=25.0				Reference Frame: ICRS							
	Comments: Category=STAR Description=[SUPERNOVA TYPE II]																						
Exposures	#	Label	Target	Config,Mode,Aperture			Spectral Els.			Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1		(96) SN2020ACAT	ACS/WFC, ACCUM, WFC			F814W							Pattern 2, Exps 1-2 in SN2020ACAT (92) (2)		390 Secs (780 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]			
	2		(96) SN2020ACAT	ACS/WFC, ACCUM, WFC			F555W							Pattern 2, Exps 1-2 in SN2020ACAT (92) (2)		380 Secs (760 Secs) [==>(Pattern 1)] [==>(Pattern 2)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20220630 GS Acq Exp. 1 Exp. 2 Exp. 1 Exp. 2 Pointing Maneuver Unused Orbital Visibility = 449 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec																						