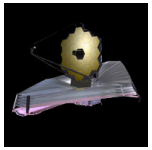

5324 - Do Pass z=2, Do Collect Type Ia Supernovae: Breaking Out of Redshift Jail with JWST

Cycle: 3, Proposal Category: GO

INVESTIGATORS

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Prof. Tommaso L. Treu (CoI)	University of California - Los Angeles

OBSERVATIONS

Folder	***Observation***	***Label***	***Observing Template***	***Science Target***
NIRSpec				
	1	NRS1	NIRSpec Fixed Slit Spectroscopy	(12) SNIa_1
	4	NRS2	NIRSpec Fixed Slit Spectroscopy	(16) C3D_1
	7	NRS3	NIRSpec Fixed Slit Spectroscopy	(18) UDS-T11
	10	twinkle_new	NIRSpec MultiObject Spectroscopy	(29) final_cat_v6
	13	NRS5	NIRSpec Fixed Slit Spectroscopy	(26) A370-SNIa
	16	NRS6	NIRSpec Fixed Slit Spectroscopy	(14) SNIa2
	19	NRS7	NIRSpec Fixed Slit Spectroscopy	(20) UDS-T29
	22	NRS8	NIRSpec Fixed Slit Spectroscopy	(32) NEXUS-SNIa
	25	P3V1	NIRSpec MultiObject Spectroscopy	(27) MPT_input_5324_v4
	28	twinkle_2new2	NIRSpec MultiObject Spectroscopy	(29) final_cat_v6
NIRCam 1				

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	2	NRC-1-1	NIRCam Imaging	(12) SNIa_1
	5	NRC-2-1	NIRCam Imaging	(16) C3D_1
	8	NRC-3-1	NIRCam Imaging	(18) UDS-T11
	11	NRC-4-1	NIRCam Imaging	(1) twinkle-pointing1
	14	NRC-5-1	NIRCam Imaging	(26) A370-SNIa
	17	NRC-6-1	NIRCam Imaging	(14) SNIa2
	20	NRC-7-1	NIRCam Imaging	(20) UDS-T29
	23	NRC-8-1	NIRCam Imaging	(32) NEXUS-SNIa
	26	NRC-9-1	NIRCam Imaging	(22) JADES-SNIa
	29	NRC-10-1	NIRCam Imaging	(28) twinkle-pointing2
NIRCAM 2				
	3	NRC-1-2	NIRCam Imaging	(12) SNIa_1
	6	NRC-2-2	NIRCam Imaging	(16) C3D_1
	9	NRC-3-2	NIRCam Imaging	(18) UDS-T11
	12	NRC-4-2	NIRCam Imaging	(30) twinkle-pointing1-e2
	15	NRC-5-2	NIRCam Imaging	(26) A370-SNIa
	18	NRC-6-2	NIRCam Imaging	(14) SNIa2
	21	NRC-7-2	NIRCam Imaging	(20) UDS-T29
	24	NRC-8-2	NIRCam Imaging	(32) NEXUS-SNIa
	27	NRC-9-2	NIRCam Imaging	(22) JADES-SNIa
	30	NRC-10-2	NIRCam Imaging	(31) twinkle-pointing2-e2

ABSTRACT

Type Ia supernovae (SNe Ia) have been one of our most valuable cosmological probes for over 20 years, and are expected to make landmark dark energy measurements this decade. These next-generation SN Ia dark energy measurements, coming primarily from the Rubin Observatory and Roman Space Telescope, will rely upon SN Ia luminosities remaining constant with redshift to remain unbiased. Any evolution in luminosity distances would indicate variable dark energy, unless SN Ia intrinsic luminosities also vary with redshift. Beyond z~2.5, any such behavior strongly indicates intrinsic SN Ia luminosity evolution, breaking the degeneracy with dark energy and giving high-z SNe Ia unique leverage on evolving systematics. Here we propose to efficiently build a sample of the first 10 spectroscopically-confirmed SNe Ia at z > 2.5 (with sensitivity to z~5) using target of opportunity (ToO) observations. The program identifies any intrinsic SN Ia evolution at the >10% level, puts limits on any monotonic evolution at lower-z, and makes the first z > 2.5 SN Ia rate measurement, which is critical to understanding SN Ia progenitor systems. While Roman

is soon expected to observe thousands of SNe Ia, JWST will still be the only telescope capable of detecting SNe Ia beyond z~3-4. This program therefore probes a region of parameter space beyond the capabilities of Roman, opening a brand new discovery space for one of our most mature and important cosmological probes. Only JWST can push this critical frontier for SN Ia cosmology.

OBSERVING DESCRIPTION

In order to accomplish our science goals, we must 1) spectroscopically classify the SNe as SNIa's. and 2) collect several epochs of imaging to construct a light curve. To do so, we request 10 non-disruptive ToO triggers. We split our triggers into our respective redshift bins.

1. NIRSpec:

We will collect NIRSpec Fixed Slit observations for each target as soon as possible. The given exposure times reach at least S/N 5 for the spectral range required to correctly classify as a SNIa (~6000 A rest frame). We opt for the PRISM/CLEAR grating for the most efficient exposures, while still achieving the necessary resolution. In order to optimize spectral and spatial sampling, we use 5 along-slit dithers in the s200a slit. This allows us to capture the full spectral range from the rest-frame UV to the near-IR with adequate resolution. Our targets will not reach the required S/N > 20 to ensure successful target acquisition using NIRSpec Wide Aperture Target Acquisition (WATA). We will select offset TA sources that meet the necessary S/N at minimum using the CLEAR filter, FULL subarray, and NRSRAPIDD6 readout pattern. This combination of parameters allows us to select sources down to 26.9 AB mag.

2. NIRCam:

We will collect 2 NIRCam imaging epoch in 4 filters in order to construct a light curve. We will use only module B and a subset of F115W, F150W, F200W, F277W, F356W, and F444W, whichever best model the peak of the SED and which correspond with the filters used in the discovery epoch. As an example, we simply use F150W,F200W,F277W,F444W here, removing F150W in the high-z epoch 2 case where it is expected to fade beyond detectability. Table 1 gives the required exposure times for both epochs for each redshift bin. Given the redshift regime we are targeting, SN evolution in the observer frame will be slow, and we can use non-disruptive ToO triggers to get our additional epochs. Epoch 2 imaging will use special requirements to ensure that it occurs at a cadence of between 7.5 and 12.5 rest-frame days after the first epoch. The first NIRCam epoch has been made non-interruptible with NIRSpec (they should happen in the same visit). This enables more precise phase estimation, improved absolute calibration for NIRSpec, and lower overheads. When ToO targets are generic, even if observations are non-interruptible overheads are calculated by Smart Accounting as though they are separate visits. By creating a mock example of our program with fixed targets, we find Observatory overheads should be reduced by 264s and slews by 1647s for each of 10 triggers, so a total reduction of 5.31 hours. We have set the custom allocation to therefore be 5.31 hours below the smart accounting value.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	twinkle-pointing1	RA: 12 36 34.6152 (189.1442300d) Dec: +62 15 28.95 (62.25804d) Equinox: J2000		
Comments: *Category=Star* *Description=[Type Ia supernovae]*				
(12)	SNIa_1	RA: 02 39 53.9281 (39.9747004d) Dec: -01 36 55.62 (-1.61545d) Equinox: J2000		
Comments: *Category=Star* *Description=[Supernovae]*				
(13)	SNIa1_TA	RA: 02 39 54.0279 (39.9751162d) Dec: -01 36 25.70 (-1.60714d) Equinox: J2000		
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*				
(14)	SNIa2	RA: 12 36 50.1195 (189.2088313d) Dec: +62 10 23.68 (62.17324d) Equinox: J2000		
Comments: *Category=Star* *Description=[Supernovae, Type Ia supernovae]*				
(15)	SNIa2_TA	RA: 12 36 52.4054 (189.2183558d) Dec: +62 09 59.48 (62.16652d) Equinox: J2000		
Comments: *Category=Star* *Description=[O stars]*				
(16)	C3D_1	RA: 10 00 27.8402 (150.1160008d) Dec: +02 13 31.41 (2.22539d) Equinox: J2000		
Comments: *Category=Star* *Description=[Type Ia supernovae]*				
(17)	C3D_1-TA	RA: 10 00 28.6592 (150.1194133d) Dec: +02 13 38.84 (2.22746d) Equinox: J2000		
Comments: *Category=Star* *Description=[Type Ia supernovae]*				
(18)	UDS-T11	RA: 02 17 13.8936 (34.3078900d) Dec: -05 08 51.65 (-5.14768d) Equinox: J2000		
Comments: *Category=Star* *Description=[Supernovae]*				

(19)	UDS-T11-TA	RA: 02 17 12.8484 (34.3035350d) Dec: -05 08 44.19 (-5.14561d) Equinox: J2000
Comments: *Category=Star* *Description=[O stars]*		
(20)	UDS-T29	RA: 02 17 31.4834 (34.3811808d) Dec: -05 05 32.97 (-5.09249d) Equinox: J2000
Comments: *Category=Star* *Description=[Type Ia supernovae]*		
(21)	UDS-T29-TA	RA: 02 17 32.9592 (34.3873300d) Dec: -05 05 31.12 (-5.09198d) Equinox: J2000
Comments: *Category=Star* *Description=[O stars]*		
(22)	JADES-SNIa	RA: 03 32 40.3955 (53.1683146d) Dec: -27 47 1.24 (-27.78368d) Equinox: J2000
Comments: *Category=Star* *Description=[Type Ia supernovae]* *Extended=NO*		
(24)	JADES-SNIa-True	RA: 03 32 39.0294 (53.1626225d) Dec: -27 46 15.59 (-27.77100d) Equinox: J2000
Comments: *Category=Star* *Description=[Type Ia supernovae]* *Extended=NO*		
(25)	MPT_input_v2.1	RA: 03 32 39.2477 (53.1635321d) Dec: -27 46 35.37 (-27.77649d) Equinox: J2000
Comments: *Description=[]*		
(26)	A370-SNIa	RA: 02 39 54.7416 (39.9780900d) Dec: -01 37 39.18 (-1.62755d) Equinox: J2000
Comments: *Category=Star* *Description=[Type Ia supernovae]* *Extended=NO*		
(27)	MPT_input_5324_v4	RA: 03 32 39.1488 (53.1631200d) Dec: -27 46 35.41 (-27.77650d) Equinox: J2000
Comments: *Description=[]*		

(28)	twinkle-pointing2	RA: 12 36 48.8585 (189.2035771d) Dec: +62 12 20.78 (62.20577d) Equinox: J2000
Comments: *Category=Star* *Description=[Type Ia supernovae]*		
(29)	final_cat_v6	RA: 12 36 50.8473 (189.2118637d) Dec: +62 14 40.45 (62.24457d) Equinox: J2000
Comments: *Description=[]*		
(30)	twinkle-pointing1-e2	RA: 12 36 31.2973 (189.1304054d) Dec: +62 15 43.12 (62.26198d) Equinox: J2000
Comments: *Category=Star* *Description=[Type Ia supernovae]*		
(31)	twinkle-pointing2-e2	RA: 12 36 59.1109 (189.2462954d) Dec: +62 12 49.13 (62.21365d) Equinox: J2000
Comments: *Category=Star* *Description=[Type Ia supernovae]*		
(32)	NEXUS-SNIa	RA: 17 54 5.5140 (268.5229750d) Dec: +65 10 32.31 (65.17564d) Equinox: J2000
Comments: *Category=Star* *Description=[Type Ia supernovae]* *Extended=NO*		
(33)	NEXUS-SNIa-TA	RA: 17 54 5.8402 (268.5243342d) Dec: +65 10 38.86 (65.17746d) Equinox: J2000
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*		

Generic Targets

#	Name	Criteria	Description
(2)	LOW-Z-2	ToO trigger for high confidence detection of SNIa at 2.5<z<3.5	
(3)	LOW-Z-3	ToO trigger for high confidence detection of SNIa at 2.5<z<3.5	
(4)	LOW-Z-4	ToO trigger for high confidence detection of SNIa at 2.5<z<3.5	
(5)	LOW-Z-5	ToO trigger for high confidence detection of SNIa at 2.5<z<3.5	
(6)	HIGH-Z-1	ToO trigger for high confidence detection of SNIa at z>=3	
(7)	HIGH-Z-2	ToO trigger for high confidence detection of SNIa at z>=3	
(8)	HIGH-Z-3	ToO trigger for high confidence detection of SNIa at z>=3	
(9)	HIGH-Z-4	ToO trigger for high confidence detection of SNIa at z>=3	
(10)	HIGH-Z-5	ToO trigger for high confidence detection of SNIa at z>=3	
(11)	GENERICTASOURCE	>20 SNR for WATA	

Observation

Proposal 5324, Observation 1: NRS1

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

(NRS1 (Obs 1)) Warning (Form): The slew between the acquisition exposure and the farthest science exposure is 42.705 Arcsec (larger than the recommended limit of 40.000 Arcsec) and may result in reduced or no schedulability. See more information in the diagnostic browser.

(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(NRS1 (Obs 1)) Informational (Form): Minimum Response time is a required field.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	SNIa_1	RA: 02 39 53.9281 (39.9747004d) Dec: -01 36 55.62 (-1.61545d) Equinox: J2000		

Comments:
Category=Star
Description=[Supernovae]

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	13 SNIa1_TA	WATA	FULL	F110W	NRSRAPID	3	1	1	42.947	145221

Template

HFF Readout Mode	Slit	Subarray
false	S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	PRISM/CLEAR	S200A1	NRSIRS2	10	1	1	NONE	5	5	3720.167	145221

Special Requirements	
	Aperture PA Range 28.84190369 to 48.84190369 Degrees (V3 250.0 to 270.0) Target Of Opportunity Response Time <None specified> to 14 Days, Carry-Over Group Observations 1, 2, Non-interruptible

Observation

Proposal 5324, Observation 4: NRS2

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(NRS2 (Obs 4)) Informational (Form): Minimum Response time is a required field.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(16)	C3D_1	RA: 10 00 27.8402 (150.1160008d) Dec: +02 13 31.41 (2.22539d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	17 C3D_1-TA	WATA	FULL	CLEAR	NRSRAPIDD6	3	1	1	171.788	145221

Template

HFF Readout Mode	Slit	Subarray
false	S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	PRISM/CLEAR	S200A1	NRSIRS2	11	1	1	NONE	5	5	4084.889	145221

Special Requirements	
	Target Of Opportunity Response Time <None specified> to 14 Days, Carry-Over Group Observations 4, 5, Non-interruptible

Observation

Proposal 5324, Observation 7: NRS3

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(18)	UDS-T11	RA: 02 17 13.8936 (34.3078900d) Dec: -05 08 51.65 (-5.14768d) Equinox: J2000		

Comments:
Category=Star
Description=[Supernovae]

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	19 UDS-T11-TA	WATA	SUB2048	CLEAR	NRSRAPIDD6	3	1	1	14.452	145221

Template

HFF Readout Mode	Slit	Subarray
false	S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	PRISM/CLEAR	S200A1	NRSIRS2	13	1	1	NONE	5	5	4814.334	145221

Special Requirements	
	Before Date 11-SEP-2025:00:00:00 Group Observations 7, 8, Non-interruptible

Observation

Proposal 5324, Observation 10: twinkle_new

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(Visit 10:1) Warning (Form): Data Excess over lower threshold

(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(29)	final_cat_v6	RA: 12 36 50.8473 (189.2118637d) Dec: +62 14 40.45 (62.24457d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 3 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	HFF Readout Mode	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	false	No	MSA Center	Primary (7 sources)	Filler (2598 sources)	jwst-nirspec-prism	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	5554	189.148047	62.241989	24.62	1	11794	189.099628	62.263572	24.73
1	9945	189.061941	62.255614	24.97	1	14414	189.148104	62.273542	25.14
1	10117	189.067133	62.256428	25.16	1	15164	189.148316	62.275844	25.25
1	11741	189.096366	62.263356	25.27	1	29759	189.066396	62.264844	24.93

Spectral Elements

#	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
1	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	189.11335175 Degrees 62.248746944444 45 Degrees	270.35585880652 91			3	9	13261.301

Special Requirements	
	MSA Scheduled Aperture PA 270.4430 to 270.4430 Degrees (V3 131.86842 to 131.86842) Group Observations 10, 12, Non-interruptible

Observation

Proposal 5324, Observation 13: NRS5

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

(NRS5 (Obs 13)) Warning (Form): Observers are responsible for checking that target acquisition is feasible.

(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(NRS5 (Obs 13)) Informational (Form): Minimum Response time is a required field.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(26)	A370-SNIa	RA: 02 39 54.7416 (39.9780900d) Dec: -01 37 39.18 (-1.62755d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]
Extended=NO

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	WATA	FULL	F140X	NRSRAPIDD6	3	1	1	171.788	

Template

HFF Readout Mode	Slit	Subarray
false	S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	PRISM/CLEAR	S200A1	NRSIRS2	12	1	1	NONE	5	5	4449.611	

Special Requirements	
	Before Date 02-FEB-2026:00:00:00 Target Of Opportunity Response Time <None specified> to 14 Days, Carry-Over Group Observations 13, 14, Non-interruptible

Observation

Proposal 5324, Observation 16: NRS6

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(NRS6 (Obs 16)) Informational (Form): Minimum Response time is a required field.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(14)	SNIa2	RA: 12 36 50.1195 (189.2088313d) Dec: +62 10 23.68 (62.17324d) Equinox: J2000		

Comments:
Category=Star
Description=[Supernovae, Type Ia supernovae]

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	15 SNIa2_TA	WATA	FULL	F110W	NRSRAPIDD6	3	1	1	171.788	145221

Template

HFF Readout Mode	Slit	Subarray
false	S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	PRISM/CLEAR	S200A1	NRSIRS2	10	3	1	NONE	5	15	11160.501	145221

Special Requirements	
	Aperture PA Range 303.84190369 to 328.84190369 Degrees (V3 165.0 to 190.0) Target Of Opportunity Response Time <None specified> to 14 Days, Carry-Over Group Observations 16, 17, Non-interruptible

Observation

Proposal 5324, Observation 19: NRS7

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

(Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(20)	UDS-T29	RA: 02 17 31.4834 (34.3811808d) Dec: -05 05 32.97 (-5.09249d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	21 UDS-T29-TA	WATA	FULL	F110W	NRSRAPID	3	1	1	42.947	145221

Template

HFF Readout Mode	Slit	Subarray
false	S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	PRISM/CLEAR	S200A1	NRSIRS2	11	3	1	NONE	5	15	12254.668	145221

Special Requirements	
	Before Date 11-SEP-2025:00:00:00 Group Observations 19, 20, Non-interruptible

Observation

Proposal 5324, Observation 22: NRS8

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(32)	NEXUS-SNIa	RA: 17 54 5.5140 (268.5229750d) Dec: +65 10 32.31 (65.17564d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]
Extended=NO

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	33 NEXUS-SNIa-TA	WATA	SUB2048	F110W	NRSRAPIDD6	3	1	1	14.452	145221

Template

HFF Readout Mode	Slit	Subarray
false	S200A1	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	PRISM/CLEAR	S200A1	NRSIRS2	20	2	1	NONE	5	10	14734.779	145221

Special Requirements	
	Before Date 11-JUL-2026:00:00:00 Group Observations 22, 23, Non-interruptible

Observation

Proposal 5324, Observation 25: P3V1

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(P3V1 (Obs 25)) Warning (Form): Config c1 (#1) has 1 filler slit traces affected by failed open shutters.

(P3V1 (Obs 25)) Warning (Form): Config c1 (#2) has 1 filler slit traces affected by failed open shutters.

(Visit 25:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(P3V1 (Obs 25)) Informational (Form): Minimum Response time is a required field.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(27)	MPT_input_5324_v4	RA: 03 32 39.1488 (53.1631200d) Dec: -27 46 35.41 (-27.77650d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	HFF Readout Mode	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	false	No	MSA Center	Primary (96 sources)	Fillers (13654 sources)	jwst-nirspec-prism	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	109948	53.120785	-27.803394	25.16	1	197052	53.158413	-27.819086	24.17
1	125818	53.176346	-27.780935	25.42	1	198688	53.153393	-27.813505	25.67
1	141936	53.154278	-27.761415	25.19	1	200589	53.129050	-27.806437	25.55
1	145445	53.138150	-27.756407	24.16	1	201632	53.135513	-27.802640	25.22

Spectral Elements

#	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
1	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	53.153389583333336 Degrees -27.789338888888892 Degrees	210.73845415716727			3	6	5339.534
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	53.153389583333336 Degrees -27.789338888888892 Degrees	210.73845415716727			3	6	5339.534

Special Requirements	
	Target Of Opportunity Response Time <None specified> to 14 Days, Carry-Over MSA Scheduled Aperture PA 210.7339 to 210.7339 Degrees (V3 72.15933 to 72.15933) Group Observations 25, 27, Non-interruptible

Observation

Proposal 5324, Observation 28: twinkle_2new2

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(Visit 28:1) Warning (Form): Data Excess over lower threshold

(Visit 28:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(29)	final_cat_v6	RA: 12 36 50.8473 (189.2118637d) Dec: +62 14 40.45 (62.24457d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 3 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	HFF Readout Mode	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	false	No	MSA Center	Primary (7 sources)	Filler (2598 sources)	jwst-nirspec-prism	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	1231	189.145235	62.225322	25.38	1	55607	189.186418	62.199178	25.24
1	1531	189.173343	62.226858	25.66	1	65319	189.215089	62.229822	25.14
1	1772	189.184562	62.227908	25.53	1	74139	189.182971	62.180711	24.9
1	48954	189.178996	62.181003	25.37	1	82263	189.212583	62.227436	25.59

Spectral Elements

#	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
1	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	189.19811791666666 Degrees 62.208619444444444 Degrees	270.4494872366735			3	9	13261.301

Special Requirements	
	MSA Scheduled Aperture PA 270.4616 to 270.4616 Degrees (V3 131.88701 to 131.88701) Group Observations 28, 30, Non-interruptible

Observation

Proposal 5324, Observation 2: NRC-1-1

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(NRC-1-1 (Obs 2)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.

(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	SNIa_1	RA: 02 39 53.9281 (39.9747004d) Dec: -01 36 55.62 (-1.61545d) Equinox: J2000		

Comments:
Category=Star
Description=[Supernovae]

Template

Module	Subarray	Target Placement
ALL	FULL	Module gap (large extended source)

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	INTRAMODULE	4	STANDARD		1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F150W	F277W	BRIGHT2	9	1	4	4	773.047	145221
2	F200W	F356W	SHALLOW4	6	1	4	4	1245.465	145221

Special Requirements

Aperture PA Range 249.92542306 to 269.92542306 Degrees (V3 250.0 to 270.0)
Offset 60.0 arcsec, 30.0 arcsec

3 After 2 by 30 Days to 110 Days
Group Observations 1, 2, Non-interruptible

Observation

Proposal 5324, Observation 5: NRC-2-1

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(16)	C3D_1	RA: 10 00 27.8402 (150.1160008d) Dec: +02 13 31.41 (2.22539d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	INTRAMODULEX	4	STANDARD		1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F200W	F356W	BRIGHT2	7	1	4	4	601.259	145221
2	F150W	F277W	BRIGHT2	7	1	4	4	601.259	145221
3	F115W	F444W	BRIGHT2	9	1	4	4	773.047	145221

Special Requirements

Before Date 16-MAY-2025:00:00:00
Offset 23.0 arcsec, 37.0 arcsec

6 After 5 by 12 Days to 20 Days
Group Observations 4, 5, Non-interruptible

Observation

Proposal 5324, Observation 8: NRC-3-1

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(18)	UDS-T11	RA: 02 17 13.8936 (34.3078900d) Dec: -05 08 51.65 (-5.14768d) Equinox: J2000		

Comments:
Category=Star
Description=[Supernovae]

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	INTRAMODULEX	4	STANDARD		1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F150W	F356W	BRIGHT2	8	1	4	4	687.153	145221
2	F200W	F277W	BRIGHT2	8	1	4	4	687.153	145221

Special Requirements

Before Date 12-SEP-2025:00:00:00
Offset 35.0 arcsec, 35.0 arcsec

9 After 8 by 60 Days to 95 Days
Group Observations 7, 8, Non-interruptible

Observation

Proposal 5324, Observation 11: NRC-4-1

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(NRC-4-1 (Obs 11)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.

(Visit 11:1) Warning (Form): Data Excess over lower threshold

(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	twinkle-pointing1	RA: 12 36 34.6152 (189.1442300d) Dec: +62 15 28.95 (62.25804d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]

Template

Module	Subarray	Target Placement
ALL	FULL	Module gap (large extended source)

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F444W	BRIGHT2	6	2	8	4	1073.677	145221
2	F150W	F356W	BRIGHT1	6	2	8	4	987.783	145221
3	F200W	F277W	BRIGHT1	6	2	8	4	987.783	

Special Requirements

Before Date 17-APR-2026:00:00:00

Observation

Proposal 5324, Observation 14: NRC-5-1

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 14:1) Warning (Form): Data Excess over lower threshold

(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(26)	A370-SNIa	RA: 02 39 54.7416 (39.9780900d) Dec: -01 37 39.18 (-1.62755d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]
Extended=NO

Template

Module	Subarray	Target Placement
ALL	FULL	Module A center (small extended source)

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F444W	BRIGHT2	10	1	4	4	858.942	145221
2	F150W	F356W	BRIGHT2	10	1	4	4	858.942	145221
3	F200W	F277W	BRIGHT2	10	1	4	4	858.942	145221

Special Requirements

Offset 40.0 arcsec, -40.0 arcsec
Fiducial Point Override NRCAS_FULL

Group Observations 13, 14, Non-interruptible

Observation

Proposal 5324, Observation 17: NRC-6-1

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(14)	SNIa2	RA: 12 36 50.1195 (189.2088313d) Dec: +62 10 23.68 (62.17324d) Equinox: J2000		

Comments:
Category=Star
Description=[Supernovae, Type Ia supernovae]

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	INTRAMODULEX	4	STANDARD		1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F200W	F277W	BRIGHT2	7	1	4	4	601.259	145221
2	F150W	F444W	SHALLOW4	7	1	4	4	1460.201	145221

Special Requirements

Offset 45.0 arcsec, 35.0 arcsec

18 After 17 by 35 Days to 60 Days
Group Observations 16, 17, Non-interruptible

Observation

Proposal 5324, Observation 20: NRC-7-1

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(20)	UDS-T29	RA: 02 17 31.4834 (34.3811808d) Dec: -05 05 32.97 (-5.09249d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	INTRAMODULEX	4	STANDARD		1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F200W	F277W	BRIGHT2	9	1	4	4	773.047	145221
2	F150W	F356W	SHALLOW4	7	1	4	4	1460.201	145221

Special Requirements

Offset 35.0 arcsec, 35.0 arcsec

21 After 20 by 60 Days to 95 Days
Group Observations 19, 20, Non-interruptible

Observation

Proposal 5324, Observation 23: NRC-8-1

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(32)	NEXUS-SNIa	RA: 17 54 5.5140 (268.5229750d) Dec: +65 10 32.31 (65.17564d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]
Extended=NO

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F200W	F277W	BRIGHT2	10	1	4	4	858.942	145221
2	F200W	F444W	BRIGHT2	10	1	4	4	858.942	145221

Special Requirements

Offset 38.0 arcsec, 38.0 arcsec

Group Observations 22, 23, Non-interruptible

Observation

Proposal 5324, Observation 26: NRC-9-1

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(NRC-9-1 (Obs 26)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.

(Visit 26:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(22)	JADES-SNIa	RA: 03 32 40.3955 (53.1683146d) Dec: -27 47 1.24 (-27.78368d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]
Extended=NO

Template

Module	Subarray	Target Placement
ALL	FULL	Module gap (large extended source)

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F200W	F277W	SHALLOW4	6	1	4	4	1245.465	145221
2	F150W	F356W	SHALLOW4	6	1	4	4	1245.465	145221

Special Requirements

Before Date 12-DEC-2025:00:00:00

Observation

Proposal 5324, Observation 29: NRC-10-1

Wed Jun 24 19:00:35 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(NRC-10-1 (Obs 29)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.

(Visit 29:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(28)	twinkle-pointing2	RA: 12 36 48.8585 (189.2035771d) Dec: +62 12 20.78 (62.20577d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]

Template

Module	Subarray	Target Placement
ALL	FULL	Module gap (large extended source)

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F444W	SHALLOW4	6	1	4	4	1245.465	145221
2	F150W	F356W	SHALLOW4	6	1	4	4	1245.465	145221
3	F200W	F277W	SHALLOW4	6	1	4	4	1245.465	

Special Requirements

Before Date 17-APR-2026:00:00:00

Observation

Proposal 5324, Observation 3: NRC-1-2

Wed Jun 24 19:00:36 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(NRC-1-2 (Obs 3)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.

(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	SNIa_1	RA: 02 39 53.9281 (39.9747004d) Dec: -01 36 55.62 (-1.61545d) Equinox: J2000		

Comments:
Category=Star
Description=[Supernovae]

Template

Module	Subarray	Target Placement
ALL	FULL	Module gap (large extended source)

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	INTRAMODULE	4	STANDARD		1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F200W	F277W	SHALLOW4	7	1	4	4	1460.201	145221
2	F150W	F356W	SHALLOW4	7	1	4	4	1460.201	145221

Special Requirements

Aperture PA Range 51.92542306 to 74.92542306 Degrees (V3 52.0 to 75.0)
Offset -65.0 arcsec, -40.0 arcsec

3 After 2 by 30 Days to 110 Days

Observation

Proposal 5324, Observation 6: NRC-2-2

Wed Jun 24 19:00:36 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(16)	C3D_1	RA: 10 00 27.8402 (150.1160008d) Dec: +02 13 31.41 (2.22539d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	INTRAMODULEX	4	STANDARD		1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F200W	F356W	BRIGHT2	10	1	4	4	858.942	145221
2	F150W	F277W	BRIGHT2	10	1	4	4	858.942	145221
3	F115W	F444W	BRIGHT2	10	1	4	4	858.942	145221

Special Requirements

Offset 23.0 arcsec, 37.0 arcsec

6 After 5 by 12 Days to 20 Days

Observation

Proposal 5324, Observation 9: NRC-3-2

Wed Jun 24 19:00:36 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(18)	UDS-T11	RA: 02 17 13.8936 (34.3078900d) Dec: -05 08 51.65 (-5.14768d) Equinox: J2000		

Comments:
Category=Star
Description=[Supernovae]

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F150W	F356W	SHALLOW2	8	1	4	4	1589.042	145221
2	F200W	F277W	SHALLOW2	8	1	4	4	1589.042	145221

Special Requirements

Offset 35.0 arcsec, 35.0 arcsec

9 After 8 by 60 Days to 95 Days

Observation

Proposal 5324, Observation 12: NRC-4-2

Wed Jun 24 19:00:36 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(NRC-4-2 (Obs 12)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.

(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(30)	twinkle-pointing1-e2	RA: 12 36 31.2973 (189.1304054d) Dec: +62 15 43.12 (62.26198d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]

Template

Module	Subarray	Target Placement
ALL	FULL	Module gap (large extended source)

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F444W	SHALLOW4	6	1	4	4	1245.465	145221
2	F150W	F356W	SHALLOW4	6	1	4	4	1245.465	145221
3	F200W	F277W	SHALLOW4	6	1	4	4	1245.465	

Special Requirements

Before Date 01-JUN-2026:00:00:00

Group Observations 10, 12, Non-interruptible

Observation

Proposal 5324, Observation 15: NRC-5-2

Wed Jun 24 19:00:36 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(NRC-5-2 (Obs 15)) Warning (Form): Some science pointings place the target outside of the aperture.

(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(Visit 15:1) Informational (Form): Visit schedulable, but most scheduling windows are when JWST is pointed in direction of greatest micrometeoroid impact risk. This is likely due to scheduling special requirements.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(26)	A370-SNIa	RA: 02 39 54.7416 (39.9780900d) Dec: -01 37 39.18 (-1.62755d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]
Extended=NO

Template

Module	Subarray	Target Placement
ALL	FULL	Detector B1 (compact source)

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F444W	SHALLOW4	7	1	4	4	1460.201	145221
2	F150W	F356W	SHALLOW4	6	1	4	4	1245.465	145221
3	F200W	F277W	SHALLOW4	6	1	4	4	1245.465	145221

Special Requirements

Between Dates 01-JUN-2026:00:00:00 and 15-AUG-2026:00:00:00
Offset -70.0 arcsec, 10.0 arcsec
Fiducial Point Override NRCB1_FULL

Observation

Proposal 5324, Observation 18: NRC-6-2

Wed Jun 24 19:00:36 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(14)	SNIa2	RA: 12 36 50.1195 (189.2088313d) Dec: +62 10 23.68 (62.17324d) Equinox: J2000		

Comments:
Category=Star
Description=[Supernovae, Type Ia supernovae]

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	INTRAMODULEX	4	STANDARD		1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F200W	F277W	SHALLOW4	4	1	4	4	815.995	145221
2	F150W	F444W	SHALLOW4	10	1	4	4	2104.407	145221

Special Requirements

Offset 45.0 arcsec, 35.0 arcsec

18 After 17 by 35 Days to 60 Days

Observation

Proposal 5324, Observation 21: NRC-7-2

Wed Jun 24 19:00:36 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(20)	UDS-T29	RA: 02 17 31.4834 (34.3811808d) Dec: -05 05 32.97 (-5.09249d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F150W	F277W	SHALLOW2	8	1	4	4	1589.042	145221
2	F200W	F356W	SHALLOW2	8	1	4	4	1589.042	145221

Special Requirements

Offset 35.0 arcsec, 35.0 arcsec

21 After 20 by 60 Days to 95 Days

Observation

Proposal 5324, Observation 24: NRC-8-2

Wed Jun 24 19:00:36 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 24:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(32)	NEXUS-SNIa	RA: 17 54 5.5140 (268.5229750d) Dec: +65 10 32.31 (65.17564d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]
Extended=NO

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F200W	F277W	BRIGHT2	7	2	8	4	1245.465	145221
2	F200W	F444W	BRIGHT2	7	2	8	4	1245.465	145221

Special Requirements

Between Dates 20-AUG-2026:00:00:00 and 28-AUG-2026:00:00:00
Offset 38.0 arcsec, 38.0 arcsec

Observation

Proposal 5324, Observation 27: NRC-9-2

Wed Jun 24 19:00:36 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(NRC-9-2 (Obs 27)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.

(Visit 27:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(22)	JADES-SNIa	RA: 03 32 40.3955 (53.1683146d) Dec: -27 47 1.24 (-27.78368d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]
Extended=NO

Template

Module	Subarray	Target Placement
ALL	FULL	Module gap (large extended source)

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F150W	F277W	SHALLOW4	7	1	4	4	1460.201	145221
2	F200W	F356W	SHALLOW4	7	1	4	4	1460.201	145221

Special Requirements

Aperture PA Range 70.92542306 to 74.92542306 Degrees (V3 71.0 to 75.0)
Offset -22.0 arcsec, 30.0 arcsec

Group Observations 25, 27, Non-interruptible

Observation

Proposal 5324, Observation 30: NRC-10-2

Wed Jun 24 19:00:36 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(NRC-10-2 (Obs 30)) Warning (Form): By selecting Target Placement = Module Gap the target coordinates will not fall on any detector unless an appropriate Mosaic, set of Dithers or Offset Special Requirement is specified.

(Visit 30:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(31)	twinkle-pointing2-e2	RA: 12 36 59.1109 (189.2462954d) Dec: +62 12 49.13 (62.21365d) Equinox: J2000		

Comments:
Category=Star
Description=[Type Ia supernovae]

Template

Module	Subarray	Target Placement
ALL	FULL	Module gap (large extended source)

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		4

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F444W	SHALLOW4	7	1	4	4	1460.201	145221
2	F150W	F356W	SHALLOW4	7	1	4	4	1460.201	145221
3	F200W	F277W	SHALLOW4	7	1	4	4	1460.201	

Special Requirements

Before Date 01-JUN-2026:00:00:00

Group Observations 28, 30, Non-interruptible