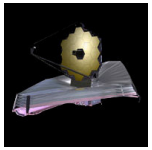

7417 - Brightest & Farthest: Confirming intrinsically luminous z~10-12 Galaxies in COSMOS

Cycle: 4, Proposal Category: GO

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Observation Folder				
	3	zenith_p3	NIRSpec MultiObject Spectroscopy	(15) zenith_obs3_msa
	4	zenith_p4	NIRSpec MultiObject Spectroscopy	(6) zenith_obs4_msa
	5	zenith_p5	NIRSpec MultiObject Spectroscopy	(7) zenith_obs5_msa
	6	zenith_p6	NIRSpec MultiObject Spectroscopy	(11) zenith_obs6_msa
	7	zenith_p7	NIRSpec MultiObject Spectroscopy	(9) zenith_obs7_msa
	8	zenith_p8	NIRSpec MultiObject Spectroscopy	(10) zenith_obs8_msa
	9	zenith_p9	NIRSpec MultiObject Spectroscopy	(3) zenith_obs9_msa
	10	zenith_p10	NIRSpec MultiObject Spectroscopy	(14) zenith_obs10_msa
	11	zenith_p11	NIRSpec MultiObject Spectroscopy	(18) zenith_obs11_msa
	12	zenith_p12	NIRSpec MultiObject Spectroscopy	(21) zenith_obs12_msa
	14	zenith_p14	NIRSpec MultiObject Spectroscopy	(20) zenith_obs14_msa
	13	zenith_p13	NIRSpec MultiObject Spectroscopy	(13) zenith_obs13_msa
	15	zenith_p15	NIRSpec MultiObject Spectroscopy	(17) zenith_obs15_msa
	16	zenith_p16	NIRSpec MultiObject Spectroscopy	(2) zenith_obs16_msa
	17	zenith_p17	NIRSpec MultiObject Spectroscopy	(4) zenith_obs17_msa
	18	msa14_test0	NIRSpec MultiObject Spectroscopy	(1) brightz10_cosmos_msa
	19	zenith_p19	NIRSpec MultiObject Spectroscopy	(19) zenith_obs19_msa

ABSTRACT

Spectroscopic confirmation of the brightest, highest-redshift galaxies is needed to constrain galaxy formation models and the assembly of the first massive halos formed after the Big Bang. Here we propose to confirm 30 luminous (MUV < -21), robust candidate z~10-12 galaxies from wide-field JWST imaging. They are as bright or brighter than current record-holders like GN-z11, GL-z12 and GS-z14-0 (the only comparably bright, z>10 confirmed galaxies known) and are likely the most luminous JWST will ever find. Only NIRSpec can deliver spectroscopic confirmations at these redshifts, and only wide-area surveys like COSMOS-Web can select such luminous, rare targets. We design 16 efficient NIRSpec/PRISM MSA pointings across the field where we will observe 30 (of 50) extremely luminous candidates plus ~2700 fillers. Our goals are to precisely constrain the

bright end of the UVLF at z~11; with precision volume densities boot-strapped to clustering measures that also use photometric redshifts, we can infer the halo masses of our primary targets and set limits on their stellar masses and efficiencies. Our PRISM spectra will also be sensitive to several rest-frame UV high-ionization lines (NIV, CIV, CIII], Ne IV) at equivalent widths sufficient to distinguish between AGN and star-forming drivers and detect continuum at high signal-to-noise. With a population of spectroscopically confirmed sources >10x larger than existing samples at these redshifts and luminosities, these observations will be transformative to our understanding of the brightest galaxies at cosmic dawn.

OBSERVING DESCRIPTION

This program consists of 16 NIRSpec MSA pointings focused on z>10 luminous galaxy candidates in the COSMOS-Web field.
The MSA is configured to capture these candidates as well as 170 additional galaxies in the field per pointing in PRISM mode to obtain R~200 spectroscopy for ~2700 galaxies. We use the NRSIRS2RAPID readout pattern with 29 groups per integration and 1 integration per exposures x 3 dithers x 3 NIRCam filter switches. We use a 3 shutter slitlet nod pattern with no dither to optimize time spent integrating our spectra without incurring overheads for reconfiguring the MSA.

In parallel, we obtain NIRCam imaging in F115W, F115W, F150W SW filters and F356W, F410M, and F444W LW filters These filters will enable a transient search at z>3 at the highest redshifts and deepen imaging for non-transient science.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	brightz10_cosmos_msa	RA: 10 00 9.0353 (150.0376471d) Dec: +02 06 27.58 (2.10766d) Equinox: J2000		
Comments: *Description=[]*				
(2)	zenith_obs16_msa	RA: 10 01 38.2752 (150.4094800d) Dec: +02 28 20.49 (2.47236d) Equinox: J2000		
Comments: *Description=[]*				
(3)	zenith_obs9_msa	RA: 09 59 42.3939 (149.9266412d) Dec: +02 35 31.85 (2.59218d) Equinox: J2000		
Comments: *Description=[]*				
(4)	zenith_obs17_msa	RA: 10 00 50.6704 (150.2111267d) Dec: +02 11 51.54 (2.19765d) Equinox: J2000		
Comments: *Description=[]*				
(6)	zenith_obs4_msa	RA: 10 00 34.4457 (150.1435237d) Dec: +01 54 0.49 (1.90014d) Equinox: J2000		
Comments: *Description=[]*				
(7)	zenith_obs5_msa	RA: 09 59 40.0986 (149.9170775d) Dec: +02 06 3.49 (2.10097d) Equinox: J2000		
Comments: *Description=[]*				
(9)	zenith_obs7_msa	RA: 09 59 26.7308 (149.8613783d) Dec: +02 01 22.47 (2.02291d) Equinox: J2000		
Comments: *Description=[]*				
(10)	zenith_obs8_msa	RA: 10 00 58.0421 (150.2418421d) Dec: +02 14 34.67 (2.24296d) Equinox: J2000		
Comments: *Description=[]*				
(11)	zenith_obs6_msa	RA: 10 01 42.8302 (150.4284592d) Dec: +02 12 6.84 (2.20190d) Equinox: J2000		
Comments: *Description=[]*				

(13)	zenith_obs13_msa	RA: 10 01 11.0323 (150.2959679d) Dec: +02 21 59.69 (2.36658d) Equinox: J2000
Comments: *Description=[]*		
(14)	zenith_obs10_msa	RA: 09 59 32.2890 (149.8845375d) Dec: +01 56 39.40 (1.94428d) Equinox: J2000
Comments: *Description=[]*		
(15)	zenith_obs3_msa	RA: 09 59 8.1931 (149.7841379d) Dec: +02 10 31.24 (2.17534d) Equinox: J2000
Comments: *Description=[]*		
(17)	zenith_obs15_msa	RA: 09 59 46.2709 (149.9427954d) Dec: +02 30 53.96 (2.51499d) Equinox: J2000
Comments: *Description=[]*		
(18)	zenith_obs11_msa	RA: 10 01 21.5930 (150.3399708d) Dec: +01 57 22.09 (1.95614d) Equinox: J2000
Comments: *Description=[]*		
(19)	zenith_obs19_msa	RA: 10 00 7.7967 (150.0324863d) Dec: +01 56 52.49 (1.94791d) Equinox: J2000
Comments: *Description=[]*		
(20)	zenith_obs14_msa	RA: 09 59 24.4843 (149.8520179d) Dec: +02 14 33.19 (2.24255d) Equinox: J2000
Comments: *Description=[]*		
(21)	zenith_obs12_msa	RA: 09 59 46.3335 (149.9430562d) Dec: +02 15 40.21 (2.26117d) Equinox: J2000
Comments: *Description=[]*		

Observation

Proposal 7417, Observation 3: zenith_p3 Mon Feb 23 22:02:55 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 3:1) Warning (Form): Data Excess over lower threshold

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(15)	zenith_obs3_msa	RA: 09 59 8.1931 (149.7841379d) Dec: +02 10 31.24 (2.17534d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	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

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: zenith_obs3_msa (17889 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	6161	149.754546	2.172705	25.32486604940602 6	1	8626	149.769153	2.180991	23.22141157209408 4
1	6650	149.780910	2.165556	24.81655384965955	1	10475	149.807895	2.177356	24.39822010462320 6
1	7064	149.754719	2.177804	23.66927876184082 5	1	10701	149.804453	2.179957	25.08939988139862
1	7353	149.780312	2.170113	24.4603757465738	1	13846	149.803919	2.195929	25.15170643452828

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	149.78357533333 332 Degrees 2.1783647222222 22 Degrees	243.99997262475 384			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.78357533333 332 Degrees 2.1783647222222 22 Degrees	243.99997262475 384			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.78357533333 332 Degrees 2.1783647222222 22 Degrees	243.99997262475 384			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F090W	F335M	SHALLOW4	8	1	3	3	1256.202	226545
2	F115W	F356W	SHALLOW4	8	1	3	3	1256.202	226545
3	F200W	F410M	SHALLOW4	8	1	3	3	1256.202	226545

Special Requirements

Aperture PA Range 240 to 250 Degrees (V3 101.4254303 to 111.4254303)
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum
MSA Scheduled Aperture PA 244.0000 to 244.0000 Degrees (V3 105.42543 to 105.42543)

Observation

Proposal 7417, Observation 4: zenith_p4 Mon Feb 23 22:02:55 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 4:1) Warning (Form): Data Excess over lower threshold

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	zenith_obs4_msa	RA: 10 00 34.4457 (150.1435237d) Dec: +01 54 0.49 (1.90014d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	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

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: obs4 all priority (3872 sources)	
Filler Candidate List: obs4 filler (10266 sources)	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	504833	150.134355	1.869003	25.136541969205005	1	505808	150.147825	1.872183	24.33125194414615
1	505211	150.127206	1.874576	24.56960016615749	1	509650	150.166610	1.895426	24.63846418336395
1	505374	150.147088	1.868747	25.614609844557997	1	510071	150.160347	1.901255	23.653715532600405
1	505788	150.129891	1.878508	23.75160892603504	1	512030	150.159419	1.914677	25.40627860658329

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	150.14267875 Degrees 1.8968694444444445 Degrees	243.9999787129996			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.14267875 Degrees 1.8968694444444445 Degrees	243.9999787129996			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.14267875 Degrees 1.8968694444444445 Degrees	243.9999787129996			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F300M	SHALLOW4	8	1	3	3	1256.202	
2	F182M	F335M	SHALLOW4	8	1	3	3	1256.202	
3	F210M	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 240 to 250 Degrees (V3 101.4254303 to 111.4254303)
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum
MSA Scheduled Aperture PA 244.0000 to 244.0000 Degrees (V3 105.42543 to 105.42543)

Observation

Proposal 7417, Observation 5: zenith_p5

Mon Feb 23 22:02:55 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 5:1) Warning (Form): Data Excess over lower threshold

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	zenith_obs5_msa	RA: 09 59 40.0986 (149.9170775d) Dec: +02 06 3.49 (2.10097d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	Filter: F110W; Readout: NRSRAPID; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	F110W	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: obs5 all priority (5325 sources)	
Filler Candidate List: obs5 filler (11828 sources)	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	103714	149.894401	2.105667	21.378890022895362	1	107080	149.923243	2.116646	20.124365013189124
1	103878	149.940891	2.090196	19.942111674929354	1	379113	149.900074	2.077782	21.518309408990536
1	104923	149.938663	2.098126	21.405271503442652	1	379160	149.902029	2.077466	20.96667130995279
1	105450	149.936270	2.101726	19.54647577791082	1	412287	149.919828	2.069361	19.919631267954312

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	149.917437375 Degrees 2.0992919444444444 Degrees	244.0000160620951			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.917437375 Degrees 2.0992919444444444 Degrees	244.0000160620951			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.917437375 Degrees 2.0992919444444444 Degrees	244.0000160620951			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F300M	SHALLOW4	8	1	3	3	1256.202	
2	F182M	F335M	SHALLOW4	8	1	3	3	1256.202	
3	F210M	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 240 to 250 Degrees (V3 101.4254303 to 111.4254303)
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum
MSA Scheduled Aperture PA 244.0000 to 244.0000 Degrees (V3 105.42543 to 105.42543)

Observation

Proposal 7417, Observation 6: zenith_p6 Mon Feb 23 22:02:55 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 6:1) Warning (Form): Data Excess over lower threshold

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	zenith_obs6_msa	RA: 10 01 42.8302 (150.4284592d) Dec: +02 12 6.84 (2.20190d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	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

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: zenith_obs6_msa (12099 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	599556	150.422971	2.167004	24.491228761117064	1	602812	150.412145	2.202712	23.188036778215498
1	601136	150.435515	2.176250	24.157198273344246	1	603581	150.457429	2.194652	25.026563941725378
1	601313	150.431676	2.179213	24.086377438505085	1	603759	150.441775	2.202094	25.058899669895787
1	602738	150.410604	2.202474	24.66788999815239	1	603961	150.443574	2.203916	25.40194497069779

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	150.43113291666668 Degrees 2.2033197222222225 Degrees	244.000098100606			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.43113291666668 Degrees 2.2033197222222225 Degrees	244.000098100606			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.43113291666668 Degrees 2.2033197222222225 Degrees	244.000098100606			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F090W	F335M	SHALLOW4	8	1	3	3	1256.202	
2	F115W	F356W	SHALLOW4	8	1	3	3	1256.202	
3	F200W	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 240 to 250 Degrees (V3 101.4254303 to 111.4254303)
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum
MSA Scheduled Aperture PA 244.0000 to 244.0000 Degrees (V3 105.42543 to 105.42543)

Observation

Proposal 7417, Observation 7: zenith_p7 Mon Feb 23 22:02:55 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 7:1) Warning (Form): Data Excess over lower threshold

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(9)	zenith_obs7_msa	RA: 09 59 26.7308 (149.8613783d) Dec: +02 01 22.47 (2.02291d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	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

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: zenith_obs7_msa (16832 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	397335	149.867242	1.996117	25.424075788887563	1	405833	149.878071	2.045067	25.46688020307723
1	399078	149.864221	2.008273	25.22511942146594	1	406465	149.871380	2.051373	24.5711369412389
1	402383	149.898640	2.015830	23.98014069498239	1	406824	149.876255	2.051653	24.65386345551771
1	402395	149.854016	2.032040	23.790598951834067	1	407048	149.871592	2.054531	25.61663612322699

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	149.87304004166666 Degrees 2.0279480555555556 Degrees	244.00039463855012			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.87304004166666 Degrees 2.0279480555555556 Degrees	244.00039463855012			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.87304004166666 Degrees 2.0279480555555556 Degrees	244.00039463855012			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F300M	SHALLOW4	8	1	3	3	1256.202	
2	F182M	F335M	SHALLOW4	8	1	3	3	1256.202	
3	F210M	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 240 to 250 Degrees (V3 101.4254303 to 111.4254303)
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum
MSA Scheduled Aperture PA 244.0000 to 244.0000 Degrees (V3 105.42543 to 105.42543)

Observation

Proposal 7417, Observation 8: zenith_p8 Mon Feb 23 22:02:55 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 8:1) Warning (Form): Data Excess over lower threshold

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

(Visit 8:1) Warning (Form): The recommended value is 8 Reference Stars for this template.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	zenith_obs8_msa	RA: 10 00 58.0421 (150.2418421d) Dec: +02 14 34.67 (2.24296d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	Filter: F140X; Readout: NRSRAPID; 7 sources in 3 quads; [Optimal TA Accuracy]	SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: zenith_obs8_msa (17135 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	1057963	150.232555	2.214451	21.47143394422684	1	1062180	150.268031	2.229969	20.891034487450465
1	1058714	150.225809	2.221962	21.177885592939983	1	1067678	150.245767	2.272474	22.32304612292564
1	1060894	150.261503	2.224214	21.739602451503984	1	1068247	150.255910	2.272202	22.563537348835254
1	1061324	150.238377	2.235413	22.90715369773602					

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	150.24253208333332 Degrees 2.2422352777777776 Degrees	244.0000277886206			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.24253208333332 Degrees 2.2422352777777776 Degrees	244.0000277886206			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.24253208333332 Degrees 2.2422352777777776 Degrees	244.0000277886206			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F300M	SHALLOW4	8	1	3	3	1256.202	
2	F182M	F335M	SHALLOW4	8	1	3	3	1256.202	
3	F210M	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 240 to 250 Degrees (V3 101.4254303 to 111.4254303)
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum
MSA Scheduled Aperture PA 244.0000 to 244.0000 Degrees (V3 105.42543 to 105.42543)

Observation

Proposal 7417, Observation 9: zenith_p9 Mon Feb 23 22:02:55 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 9:1) Warning (Form): Data Excess over lower threshold

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	zenith_obs9_msa	RA: 09 59 42.3939 (149.9266412d) Dec: +02 35 31.85 (2.59218d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	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: NRSRAPID; 8 sources in 3 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: obs9 all priority (3879 sources)	
Filler Candidate List: obs9 filler (10604 sources)	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	552379	149.902669	2.569155	21.754697473481105	1	554863	149.933531	2.571958	22.57725252240951
1	552554	149.906238	2.568979	22.189881231721674	1	557195	149.892888	2.601723	21.87839344954437
1	554395	149.907550	2.578595	23.445426744569303	1	557404	149.928108	2.590442	23.76473578006636
1	554548	149.904878	2.580407	23.622555294638552	1	557429	149.895798	2.602286	22.17556105635268

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	149.91431354166664 Degrees 2.5961394444444448 Degrees	72.99945848619232			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.91431354166664 Degrees 2.5961394444444448 Degrees	72.99945848619232			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.91431354166664 Degrees 2.5961394444444448 Degrees	72.99945848619232			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F090W	F335M	SHALLOW4	8	1	3	3	1256.202	
2	F115W	F356W	SHALLOW4	8	1	3	3	1256.202	
3	F200W	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 71 to 74 Degrees (V3 292.4254303 to 295.4254303)
No Parallel Attachments
Background Limited. Background no more than 40th percentile above minimum
MSA Scheduled Aperture PA 73.0000 to 73.0000 Degrees (V3 294.42545 to 294.42545)

Observation

Proposal 7417, Observation 10: zenith_p10 Mon Feb 23 22:02:55 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

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
(14)	zenith_obs10_msa	RA: 09 59 32.2890 (149.8845375d) Dec: +01 56 39.40 (1.94428d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	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

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: zenith_obs10_msa (14971 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	385929	149.874980	1.910926	24.199972869287173	1	387519	149.871287	1.923906	23.290410303042695
1	386755	149.870177	1.918717	24.075555188447318	1	389456	149.899366	1.928906	25.340608120422065
1	386898	149.875101	1.917887	24.638627673470083	1	394145	149.883179	1.968067	25.01011840965605
1	387088	149.882377	1.916729	25.1323550887693	1	395653	149.899688	1.973565	24.5278499319565

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	149.88621129166665 Degrees 1.9438458333333333 Degrees	248.00005617661256			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.88621129166665 Degrees 1.9438458333333333 Degrees	248.00005617661256			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.88621129166665 Degrees 1.9438458333333333 Degrees	248.00005617661256			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F300M	SHALLOW4	8	1	3	3	1256.202	
2	F182M	F335M	SHALLOW4	8	1	3	3	1256.202	
3	F210M	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

No Parallel Attachments
Background Limited. Background no more than 40th percentile above minimum
MSA Scheduled Aperture PA 248.0000 to 248.0000 Degrees (V3 109.42543 to 109.42543)

Observation

Proposal 7417, Observation 11: zenith_p11

Mon Feb 23 22:02:55 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(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
(18)	zenith_obs11_msa	RA: 10 01 21.5930 (150.3399708d) Dec: +01 57 22.09 (1.95614d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	Filter: F140X; Readout: NRSRAPID; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: zenith_obs11_msa (12567 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	287665	150.331139	1.925711	21.756794741544162	1	294842	150.312966	1.961700	22.19683014152939
1	290067	150.318883	1.934075	21.95861753592821	1	295071	150.316144	1.962763	22.862395064162474
1	293424	150.325571	1.944359	22.63147823555594	1	295876	150.353400	1.957653	22.70871309282015
1	293981	150.313158	1.953704	22.15069270780731	1	297204	150.343076	1.975983	21.00370705533599

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	150.33960033333335 Degrees 1.95641027777777 Degrees	243.9999867018386			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.33960033333335 Degrees 1.95641027777777 Degrees	243.9999867018386			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.33960033333335 Degrees 1.95641027777777 Degrees	243.9999867018386			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F090W	F335M	SHALLOW4	8	1	3	3	1256.202	
2	F115W	F356W	SHALLOW4	8	1	3	3	1256.202	
3	F200W	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 240 to 250 Degrees (V3 101.4254303 to 111.4254303)
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum
MSA Scheduled Aperture PA 244.0000 to 244.0000 Degrees (V3 105.42543 to 105.42543)

Observation

Proposal 7417, Observation 12: zenith_p12 Mon Feb 23 22:02:55 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 12:1) Warning (Form): Data Excess over lower threshold

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(21)	zenith_obs12_msa	RA: 09 59 46.3335 (149.9430562d) Dec: +02 15 40.21 (2.26117d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	Filter: F140X; Readout: NRSRAPIDD6; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	F140X	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: zenith_obs12_msa (17404 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	32849	149.920059	2.264546	22.52283164471355	1	130322	149.967182	2.241541	23.84676679961792
1	33902	149.922273	2.269853	24.226597193736403	1	131845	149.973155	2.247862	23.10656372302216
1	127912	149.949353	2.233877	23.811297711625524	1	889878	149.957517	2.282076	24.057846117846072
1	130250	149.945881	2.248763	23.932722239420453	1	891350	149.958749	2.289779	23.570566212347906

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	149.94653716666667 Degrees 2.26348361111111 Degrees	244.0001304807798			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.94653716666667 Degrees 2.26348361111111 Degrees	244.0001304807798			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.94653716666667 Degrees 2.26348361111111 Degrees	244.0001304807798			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F300M	SHALLOW4	8	1	3	3	1256.202	
2	F182M	F335M	SHALLOW4	8	1	3	3	1256.202	
3	F210M	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 240 to 250 Degrees (V3 101.4254303 to 111.4254303)
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum
MSA Scheduled Aperture PA 244.0000 to 244.0000 Degrees (V3 105.42543 to 105.42543)

Observation

Proposal 7417, Observation 14: zenith_p14

Mon Feb 23 22:02:55 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): 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.

(Visit 14:1) Warning (Form): The recommended value is 8 Reference Stars for this template.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(20)	zenith_obs14_msa	RA: 09 59 24.4843 (149.8520179d) Dec: +02 14 33.19 (2.24255d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	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; 7 sources in 4 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: zenith_obs14_msa (17370 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	21202	149.838527	2.225167	24.94860738925403	1	25789	149.831248	2.255033	23.711190342757984
1	22978	149.866184	2.225773	25.66778695623629	1	26176	149.865257	2.245108	24.47767882223701
1	24235	149.871533	2.231254	25.21865331617493	1	27867	149.851714	2.260092	24.948120757173598
1	25344	149.874873	2.236473	25.124807127220773					

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	149.84979045833333 Degrees 2.2434894444444446 Degrees	243.99991187687635			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.84979045833333 Degrees 2.2434894444444446 Degrees	243.99991187687635			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.84979045833333 Degrees 2.2434894444444446 Degrees	243.99991187687635			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F300M	SHALLOW4	8	1	3	3	1256.202	
2	F182M	F335M	SHALLOW4	8	1	3	3	1256.202	
3	F210M	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 240 to 250 Degrees (V3 101.4254303 to 111.4254303)
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum
MSA Scheduled Aperture PA 244.0000 to 244.0000 Degrees (V3 105.42543 to 105.42543)

Observation

Proposal 7417, Observation 13: zenith_p13 Mon Feb 23 22:02:56 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 13:1) Warning (Form): Data Excess over lower threshold

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(13)	zenith_obs13_msa	RA: 10 01 11.0323 (150.2959679d) Dec: +02 21 59.69 (2.36658d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	Filter: F140X; Readout: NRSRAPIDD6; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	F140X	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: zenith_obs13_msa (18148 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	744039	150.278124	2.366572	23.66799198377993	1	749471	150.312161	2.399645	23.916321514735852
1	744548	150.326578	2.353352	22.332260601729782	1	1079017	150.282723	2.336094	24.902140496170325
1	744870	150.313175	2.360913	24.037469911527914	1	1079232	150.279743	2.339072	24.520440140725277
1	746291	150.324000	2.367623	24.150688971337008	1	1079763	150.276586	2.344492	24.52212193507634

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	150.29657833333334 Degrees 2.3670261111111 11 Degrees	245.00002366737115			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.29657833333334 Degrees 2.3670261111111 11 Degrees	245.00002366737115			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.29657833333334 Degrees 2.3670261111111 11 Degrees	245.00002366737115			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F090W	F335M	SHALLOW4	8	1	3	3	1256.202	
2	F115W	F356W	SHALLOW4	8	1	3	3	1256.202	
3	F200W	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum
MSA Scheduled Aperture PA 245.0000 to 245.0000 Degrees (V3 106.42543 to 106.42543)

Observation

Proposal 7417, Observation 15: zenith_p15 Mon Feb 23 22:02:56 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 15:1) Warning (Form): Data Excess over lower threshold

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(17)	zenith_obs15_msa	RA: 09 59 46.2709 (149.9427954d) Dec: +02 30 53.96 (2.51499d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	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

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: zenith_obs15_msa (15768 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	541981	149.933161	2.488389	23.458490346735886	1	545715	149.914844	2.518891	23.122264915166873
1	543856	149.930965	2.502617	25.461026725023594	1	547400	149.966305	2.511388	25.02923661126522
1	544601	149.933300	2.505834	24.119369855549422	1	549542	149.947107	2.533095	23.165577434671768
1	545603	149.917446	2.517502	25.364286715615467	1	822780	149.939107	2.481447	24.814916437784387

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	149.943574125 Degrees 2.5160405555555556 Degrees	244.00003133820886			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.943574125 Degrees 2.5160405555555556 Degrees	244.00003133820886			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	149.943574125 Degrees 2.5160405555555556 Degrees	244.00003133820886			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F090W	F335M	SHALLOW4	8	1	3	3	1256.202	
2	F115W	F356W	SHALLOW4	8	1	3	3	1256.202	
3	F200W	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 240 to 250 Degrees (V3 101.4254303 to 111.4254303)
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum
MSA Scheduled Aperture PA 244.0000 to 244.0000 Degrees (V3 105.42543 to 105.42543)

Observation

Proposal 7417, Observation 16: zenith_p16

Mon Feb 23 22:02:56 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 16:1) Warning (Form): Data Excess over lower threshold

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	zenith_obs16_msa	RA: 10 01 38.2752 (150.4094800d) Dec: +02 28 20.49 (2.47236d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	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

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: obs16 all priority (3247 sources)	
Filler Candidate List: obs16 filler (10786 sources)	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	760588	150.429579	2.458264	25.50366637520042	1	762329	150.432759	2.471841	25.3923155343093
1	761665	150.423130	2.470378	23.191105945102485	1	762780	150.386638	2.491944	24.27231678931152
1	762140	150.428312	2.472230	24.99866405421832	1	765436	150.425418	2.499836	23.830320845783287
1	762162	150.432250	2.470917	25.153128362185655	1	765605	150.416971	2.504564	24.69758995255524

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	150.41348454166666 Degrees 2.47885416666667 Degrees	83.0002085177807			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.41348454166666 Degrees 2.47885416666667 Degrees	83.0002085177807			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.41348454166666 Degrees 2.47885416666667 Degrees	83.0002085177807			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F300M	SHALLOW4	8	1	3	3	1256.202	
2	F182M	F335M	SHALLOW4	8	1	3	3	1256.202	
3	F210M	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 83 to 85 Degrees (V3 304.4254303 to 306.4254303)
No Parallel Attachments
MSA Scheduled Aperture PA 83.0000 to 83.0000 Degrees (V3 304.42545 to 304.42545)

Observation

Proposal 7417, Observation 17: zenith_p17

Mon Feb 23 22:02:56 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 17:1) Warning (Form): Data Excess over lower threshold

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	zenith_obs17_msa	RA: 10 00 50.6704 (150.2111267d) Dec: +02 11 51.54 (2.19765d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	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

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: obs17 all priority (6047 sources)	
Filler Candidate List: obs17 filler (15996 sources)	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	199309	150.189885	2.167271	24.076922765641097	1	1054598	150.235889	2.190144	25.332667871417655
1	264622	150.206449	2.170285	25.144811082298503	1	1054905	150.233016	2.193111	24.114118254415295
1	1042936	150.196528	2.176935	25.134957040247848	1	1054970	150.229067	2.194960	25.597629102778498
1	1043140	150.201838	2.182324	25.34064951968341	1	1057127	150.229775	2.209884	23.434160232543945

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	150.21342333333334 Degrees 2.1971541666666665 Degrees	83.00010958721593			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.21342333333334 Degrees 2.1971541666666665 Degrees	83.00010958721593			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.21342333333334 Degrees 2.1971541666666665 Degrees	83.00010958721593			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F300M	SHALLOW4	8	1	3	3	1256.202	
2	F182M	F335M	SHALLOW4	8	1	3	3	1256.202	
3	F210M	F410M	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 83 to 85 Degrees (V3 304.4254303 to 306.4254303)
No Parallel Attachments
Background Limited. Background no more than 40th percentile above minimum
MSA Scheduled Aperture PA 83.0000 to 83.0000 Degrees (V3 304.42545 to 304.42545)

Observation

Proposal 7417, Observation 18: msa14_test0 Mon Feb 23 22:02:56 GMT 2026

Diagnostic Status: Error

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(msa14_test0 (Obs 18)) Error (Form): This observation was created with an Aperture PA of 84.0000 but it has been assigned an Aperture PA of 83.0000

(Aperture PA) Error (Form): This observation was created with an Aperture PA of 84.0000 but it has been assigned an Aperture PA of 83.0000

(Visit 18:1) Error (Form): Reference stars are required but none were found for this visit

(Visit 18:1) Warning (Form): Data Excess over lower threshold

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

(Visit 18:1) 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
(1)	brightz10_cosmos_msa	RA: 10 00 9.0353 (150.0376471d) Dec: +02 06 27.58 (2.10766d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1		SAME	F140X	Auto Acq MSA Config	NRSRAPID	3	1	4	171.788	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: brightz10_cosmos_msa (50 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	150.3313200416667 Degrees 1.8256008333333333 Degrees	83.01019305478147			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.3313200416667 Degrees 1.8256008333333333 Degrees	83.01019305478147			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.3313200416667 Degrees 1.8256008333333333 Degrees	83.01019305478147			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F356W	SHALLOW4	8	1	3	3	1256.202	
2	F115W	F410M	SHALLOW4	8	1	3	3	1256.202	
3	F150W	F444W	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 83 to 85 Degrees (V3 304.4254303 to 306.4254303)
No Parallel Attachments
Background Limited. Background no more than 40th percentile above minimum
MSA Scheduled Aperture PA 83.0000 to 83.0000 Degrees (V3 304.42545 to 304.42545)

Observation

Proposal 7417, Observation 19: zenith_p19

Mon Feb 23 22:02:56 GMT 2026

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Coordinated Parallel Template(s): NIRCam Imaging

Diagnostics

(Visit 19:1) Warning (Form): Data Excess over lower threshold

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(19)	zenith_obs19_msa	RA: 10 00 7.7967 (150.0324863d) Dec: +01 56 52.49 (1.94791d) Equinox: J2000		

Comments:
Description=[]

Acquisition

NIRSpec MultiObject Spectroscopy	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: NRSRAPIDD2; 8 sources in 3 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD2	3	1	4	343.577	

Template

NIRSpec MultiObject Spectroscopy	NIRCam Imaging
TA Method: MSATA	Module: ALL
HFF Readout Mode: false	Subarray: FULL
Obtain Confirmation Images: No	
Science Aperture: MSA Center	
Primary Candidate List: zenith_obs19_msa (14659 sources)	
Filler Candidate List: null	
Spectral Overlap Map: jwst-nirspec-prism	
Spectral Overlap Threshold: 1.5	

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	450614	150.016694	1.923333	24.516633044376498	1	455747	150.055013	1.948908	23.950066640816104
1	451045	150.032682	1.921871	24.135666268317173	1	456754	150.032076	1.963537	22.456807115530495
1	451918	150.027628	1.930627	22.891189553592458	1	458631	150.043036	1.972792	23.61529240998571
1	454315	150.053447	1.939689	23.643875408515207	1	459489	150.041209	1.979062	24.007839125613614

Dithers

#	Dither Type
1	NONE

Spectral Elements

NIRSpec MultiObject Spectroscopy	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	150.03140670833332 Degrees 1.9449713888888889 Degrees	243.99996950658195			3	3	1313.0
2	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.03140670833332 Degrees 1.9449713888888889 Degrees	243.99996950658195			3	3	1313.0
3	1 (PRISM/CLEAR)	c1	3 Shutter Slitlet	150.03140670833332 Degrees 1.9449713888888889 Degrees	243.99996950658195			3	3	1313.0

Spectral Elements

NIRCam Imaging	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F115W	F300M	SHALLOW4	8	1	3	3	1256.202	
2	F182M	F335M	SHALLOW4	8	1	3	3	1256.202	
3	F210M	F444W	SHALLOW4	8	1	3	3	1256.202	

Special Requirements

Aperture PA Range 240 to 250 Degrees (V3 101.4254303 to 111.4254303)
No Parallel Attachments
Background Limited. Background no more than 20th percentile above minimum
MSA Scheduled Aperture PA 244.0000 to 244.0000 Degrees (V3 105.42543 to 105.42543)