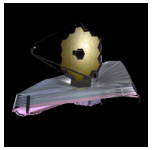

3224 - Measuring Dust Evolution Over the Past 10 Billion Years With 3-12 micron Spectra for 60 High-Redshift Galaxies

Cycle: 2, Proposal Category: GO

INVESTIGATORS

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
GOODS-N				
	22	GN IRS 1	MIRI Low Resolution Spectroscopy	(1) GNIRS1
	23	GN IRS 2	MIRI Low Resolution Spectroscopy	(2) GNIRS2
	24	GN IRS 3	MIRI Low Resolution Spectroscopy	(3) GNIRS3
	25	GN IRS 4	MIRI Low Resolution Spectroscopy	(4) GNIRS4
	26	GN IRS 5	MIRI Low Resolution Spectroscopy	(5) GNIRS5
	27	GN IRS 6	MIRI Low Resolution Spectroscopy	(6) GNIRS6
	28	GN IRS 7	MIRI Low Resolution Spectroscopy	(7) GNIRS7
	29	GN IRS 11	MIRI Low Resolution Spectroscopy	(8) GNIRS11

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	30	GN IRS 12	MIRI Low Resolution Spectroscopy	(9) GNIRS12
	31	GN IRS 15	MIRI Low Resolution Spectroscopy	(10) GNIRS15
	62	GN IRS 15 v2	MIRI Low Resolution Spectroscopy	(10) GNIRS15
	32	GN IRS 16	MIRI Low Resolution Spectroscopy	(11) GNIRS16
	33	GN IRS 18	MIRI Low Resolution Spectroscopy	(12) GNIRS18
	34	GN IRS 19	MIRI Low Resolution Spectroscopy	(13) GNIRS19
	35	GN IRS 21	MIRI Low Resolution Spectroscopy	(14) GNIRS21
	36	GN IRS 25	MIRI Low Resolution Spectroscopy	(15) GNIRS25
	37	GN IRS 26	MIRI Low Resolution Spectroscopy	(16) GNIRS26
	38	GN IRS 27	MIRI Low Resolution Spectroscopy	(17) GNIRS27
	39	GN IRS 32	MIRI Low Resolution Spectroscopy	(18) GNIRS32
	63	GN IRS 32 v2	MIRI Low Resolution Spectroscopy	(18) GNIRS32
	40	GN IRS 38	MIRI Low Resolution Spectroscopy	(19) GNIRS38
	41	GN IRS 42	MIRI Low Resolution Spectroscopy	(20) GNIRS42
	42	GN IRS 48	MIRI Low Resolution Spectroscopy	(21) GNIRS48
	43	GN IRS 50	MIRI Low Resolution Spectroscopy	(22) GNIRS50
	44	GN IRS 54	MIRI Low Resolution Spectroscopy	(23) GNIRS54
	45	GN IRS 55	MIRI Low Resolution Spectroscopy	(24) GNIRS55
	46	GN IRS 57	MIRI Low Resolution Spectroscopy	(25) GNIRS57
	47	GN IRS 58	MIRI Low Resolution Spectroscopy	(26) GNIRS58
	48	GN IRS 61	MIRI Low Resolution Spectroscopy	(27) GNIRS61
	49	GN IRS 62	MIRI Low Resolution Spectroscopy	(28) GNIRS62
	50	GN IRS 63	MIRI Low Resolution Spectroscopy	(29) GNIRS63
FLS				
	51	FLS IRS 289	MIRI Low Resolution Spectroscopy	(50) FLSIRS289
	64	FLS IRS 289 v2	MIRI Low Resolution Spectroscopy	(50) FLSIRS289
	52	FLS IRS 521	MIRI Low Resolution Spectroscopy	(51) FLSIRS521
	53	FLS IRS 8040	MIRI Low Resolution Spectroscopy	(52) FLSIRS8040
	54	FLS IRS 8493	MIRI Low Resolution Spectroscopy	(53) FLSIRS8493
	55	FLS IRS 22530	MIRI Low Resolution Spectroscopy	(54) FLSIRS22530
	56	FLS IRS 19456000	MIRI Low Resolution Spectroscopy	(55) FLSIRS19456000
	57	FLS IRS 509	MIRI Low Resolution Spectroscopy	(56) FLSIRS509

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	58	FLS IRS 8242	MIRI Low Resolution Spectroscopy	(57) FLSIRS8242
	59	FLS IRS 8226	MIRI Low Resolution Spectroscopy	(58) FLSIRS8226
	60	FLS IRS 16122	MIRI Low Resolution Spectroscopy	(59) FLSIRS16122
	61	FLS IRS 22722	MIRI Low Resolution Spectroscopy	(60) FLSIRS22722

ABSTRACT

A major assumption in the study of galaxy evolution is that the properties of dust do not evolve with redshift. This informs how we measure obscured star-formation, active supermassive black hole activity, and extinction-corrected line emission in the ultraviolet and optical; however, this assumption remains virtually untested. Do the average properties of dust evolve with redshift? What can the dust emission and absorption tell us about star formation and rest-optical/near-IR attenuation at cosmic noon, z~1-2? We aim to answer these questions with a spectroscopic survey of dust emission in 60 z~1-2 galaxies with MIRI/LRS, which combined with existing Spitzer spectra will produce a complete spectrum between rest-frame 3-12um. This is at least 5-8 times more efficient than using MIRI/MRS to get similar wavelength coverage. The LRS spectra will measure key dust features at ~3um including 3.05um water ice absorption and the 3.3um polycyclic aromatic hydrocarbon (PAH) feature, powerful diagnostics of near-IR attenuation and grain sizes respectively. The full JWST+Spitzer spectrum includes diagnostics on the size, charge, and composition of grains which are only accessible with the complete 3-12um spectral coverage. For the first time we will test how the detailed dust properties in star-forming galaxies change with redshift, as well as position on the star-forming main-sequence and AGN strength. This project will test the properties of dust at cosmic noon in a sample of unprecedented size, and provide a baseline for future studies of dust in galaxies at z=1-6.

OBSERVING DESCRIPTION

We propose MIRI/LRS slit spectroscopy of 60 dusty, IR-luminous galaxies between z~1-2 spread across three multi-wavelength legacy fields: GOODS-N, GOODS-S, and xFLS. We aim to detect the 3.3um PAH feature in the LRS spectrum with a SNR of >8 in every source using one exposure per dither, and a single along slit nod dither pattern. We estimate the 3.3um PAH feature flux by taking the lowest predicted value from three scaling relations calibrated in z=0 luminous, IR galaxies and the five z>0 galaxies that have 3.3um PAH detections. These scaling relations are the 3.3um PAH vs. (1) the 6.2um PAH feature, (2) the 11.3um PAH feature, (3) total IR luminosity. We emphasize that this conservative estimate of the 3.3um PAH is low risk because the longer wavelength PAH lines have been detected in the Spitzer/IRS spectra and because robust IRAC Ch.3 and Ch.4 photometry for our sample overlaps the LRS wavelength range, constraining the continuum brightness.

We split our sample into a faint and bright subset, and calculate the exposure time for each assuming the minimum predicted 3.3um PAH feature flux and Spitzer/IRAC 8um flux in the bin. The IRAC 8um filter overlaps with the LRS wavelength range, which helps constrain the expected continuum

in the slit, signficantly lowering the risk of non-detections. With this observing strategy, we estimate 3614 seconds of on-source integration time necessary to detect the 3.3um feature in the fainter sub-set of sources, and 906 seconds of on-source integration time in the brightest sub-set. The charged overhead time is 2160 seconds per source on average.

We perform Target Acquisition (TA) using the science targets with guide coordinates from HST/WFC3 and Spitzer/IRAC imaging in the GOODS and xFLS fields. We choose to use the F1500W filter for TA because the Spitzer spectra and photometry show an SED that rises at longer wavelengths, hence F1500W can achieve a greater SNR in a given exposure. We estimate a SNR of >28 in 178 seconds for the faint subset, and a SNR >44 in 45 seconds for the bright subset. The sizes of our sources in the target acquisition filters are expected to be <0.3-0.4", likely point sources given the PSF at 15um is 0.48". The emission we aim to measure in the LRS slit is expected to be co-spatial with the peak in the TA images, so the centroiding algorithm used in placing the slit on-target is ideal for our science goals.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	GNIRS1	RA: 12 36 45.8412 (189.1910050d) Dec: +62 07 54.83 (62.13190d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*				
(2)	GNIRS2	RA: 12 37 2.7365 (189.2614021d) Dec: +62 14 1.55 (62.23376d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*				
(3)	GNIRS3	RA: 12 37 10.6076 (189.2941983d) Dec: +62 22 35.04 (62.37640d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*				
(4)	GNIRS4	RA: 12 36 53.3586 (189.2223275d) Dec: +62 11 39.59 (62.19433d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*				
(5)	GNIRS5	RA: 12 36 20.9472 (189.0872800d) Dec: +62 07 14.98 (62.12083d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*				
(6)	GNIRS6	RA: 12 36 33.6716 (189.1402983d) Dec: +62 10 6.04 (62.16834d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*				
(7)	GNIRS7	RA: 12 37 11.9836 (189.2999317d) Dec: +62 13 25.71 (62.22381d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*				
(8)	GNIRS11	RA: 12 36 21.2686 (189.0886192d) Dec: +62 17 8.45 (62.28568d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*				

(9)	GNIRS12	RA: 12 36 0.1473 (189.0006137d) Dec: +62 10 47.53 (62.17987d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(10)	GNIRS15	RA: 12 37 11.3424 (189.2972600d) Dec: +62 13 31.06 (62.22529d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(11)	GNIRS16	RA: 12 36 37.0139 (189.1542246d) Dec: +62 08 52.97 (62.14805d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(12)	GNIRS18	RA: 12 37 16.5994 (189.3191642d) Dec: +62 16 43.33 (62.27870d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(13)	GNIRS19	RA: 12 35 55.1459 (188.9797746d) Dec: +62 09 2.43 (62.15067d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(14)	GNIRS21	RA: 12 36 18.3389 (189.0764121d) Dec: +62 15 50.58 (62.26405d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(15)	GNIRS25	RA: 12 37 1.5726 (189.2565525d) Dec: +62 11 46.36 (62.19621d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(16)	GNIRS26	RA: 12 36 34.5005 (189.1437521d) Dec: +62 12 41.07 (62.21141d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		

(17)	GNIRS27	RA: 12 36 55.9371 (189.2330712d) Dec: +62 08 8.24 (62.13562d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(18)	GNIRS32	RA: 12 37 18.2964 (189.3262350d) Dec: +62 22 59.48 (62.38319d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(19)	GNIRS38	RA: 12 36 29.1288 (189.1213700d) Dec: +62 10 46.08 (62.17947d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(20)	GNIRS42	RA: 12 36 46.6683 (189.1944512d) Dec: +62 08 33.70 (62.14269d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(21)	GNIRS48	RA: 12 36 51.5569 (189.2148204d) Dec: +62 06 44.06 (62.11224d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(22)	GNIRS50	RA: 12 37 25.4735 (189.3561396d) Dec: +62 18 50.43 (62.31401d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(23)	GNIRS54	RA: 12 37 35.2942 (189.3970592d) Dec: +62 19 17.93 (62.32165d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(24)	GNIRS55	RA: 12 36 46.7368 (189.1947367d) Dec: +62 14 45.90 (62.24608d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		

(25)	GNIRS57	RA: 12 36 40.7342 (189.1697258d) Dec: +62 10 10.92 (62.16970d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(26)	GNIRS58	RA: 12 36 44.8312 (189.1867967d) Dec: +62 17 15.92 (62.28776d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(27)	GNIRS61	RA: 12 36 17.3390 (189.0722458d) Dec: +62 15 29.71 (62.25825d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(28)	GNIRS62	RA: 12 36 29.5089 (189.1229537d) Dec: +62 06 46.89 (62.11303d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(29)	GNIRS63	RA: 12 36 26.5667 (189.1106946d) Dec: +62 08 36.06 (62.14335d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(50)	FLSIRS289	RA: 17 13 50.1019 (258.4587579d) Dec: +58 56 58.55 (58.94960d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(51)	FLSIRS521	RA: 17 13 41.3634 (258.4223475d) Dec: +58 57 3.34 (58.95093d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(52)	FLSIRS8040	RA: 17 13 11.9957 (258.2999821d) Dec: +60 08 40.18 (60.14449d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		

(53)	FLSIRS8493	RA: 17 18 12.6513 (259.5527138d) Dec: +59 39 22.41 (59.65622d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(54)	FLSIRS22530	RA: 17 23 3.3065 (260.7637771d) Dec: +59 16 0.50 (59.26681d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(55)	FLSIRS19456000	RA: 17 18 45.4351 (259.6893129d) Dec: +59 32 32.87 (59.54246d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(56)	FLSIRS509	RA: 17 14 22.0787 (258.5919946d) Dec: +59 28 14.45 (59.47068d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(57)	FLSIRS8242	RA: 17 14 33.0652 (258.6377717d) Dec: +59 39 10.89 (59.65302d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(58)	FLSIRS8226	RA: 17 12 4.6601 (258.0194171d) Dec: +60 16 31.62 (60.27545d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(59)	FLSIRS16122	RA: 17 20 51.3759 (260.2140662d) Dec: +60 01 48.43 (60.03012d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		
(60)	FLSIRS22722	RA: 17 18 45.4351 (259.6893129d) Dec: +58 51 22.10 (58.85614d) Equinox: J2000
Comments: *Category=Galaxy* *Description=[High-redshift galaxies, Infrared galaxies]*		

Observation

Proposal 3224, Observation 22: GN IRS 1

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution 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
(1)	GNIRS1	RA: 12 36 45.8412 (189.1910050d) Dec: +62 07 54.83 (62.13190d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F770W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 23: GN IRS 2

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

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
(2)	GNIRS2	RA: 12 37 2.7365 (189.2614021d) Dec: +62 14 1.55 (62.23376d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F770W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 24: GN IRS 3

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

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
(3)	GNIRS3	RA: 12 37 10.6076 (189.2941983d) Dec: +62 22 35.04 (62.37640d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F770W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 25: GN IRS 4 Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	GNIRS4	RA: 12 36 53.3586 (189.2223275d) Dec: +62 11 39.59 (62.19433d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F770W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 26: GN IRS 5

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	GNIRS5	RA: 12 36 20.9472 (189.0872800d) Dec: +62 07 14.98 (62.12083d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG8	4	1	1	88.801	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F770W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 27: GN IRS 6

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	GNIRS6	RA: 12 36 33.6716 (189.1402983d) Dec: +62 10 6.04 (62.16834d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG8	4	1	1	88.801	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F770W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 28: GN IRS 7

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	GNIRS7	RA: 12 37 11.9836 (189.2999317d) Dec: +62 13 25.71 (62.22381d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG16	6	1	1	266.404	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	64	1	1	1	1	177.603		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	108	6	12	1	2	3624.202	137823

Observation

Proposal 3224, Observation 29: GN IRS 11 Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Comments: Per instrument scientist recomendation, we are skipping TA for this source as there is risk for the TA algorithm to pick up on an interloping bright source ~3" away that is within 5% of the source's peak pixel flux in Spitzer.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(8)	GNIRS11	RA: 12 36 21.2686 (189.0886192d) Dec: +62 17 8.45 (62.28568d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target
1	NONE

Template

AcqFilter	Subarray	Obtain Verification Image?
F1500W	FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	64	1	1	1	1	177.603		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	108	6	12	1	2	3624.202	137823

Observation

Proposal 3224, Observation 30: GN IRS 12 Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(9)	GNIRS12	RA: 12 36 0.1473 (189.0006137d) Dec: +62 10 47.53 (62.17987d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG16	6	1	1	266.404	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	64	1	1	1	1	177.603		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 31: GN IRS 15

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 31:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	GNIRS15	RA: 12 37 11.3424 (189.2972600d) Dec: +62 13 31.06 (62.22529d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 62: GN IRS 15 v2

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 62:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	GNIRS15	RA: 12 37 11.3424 (189.2972600d) Dec: +62 13 31.06 (62.22529d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG16	6	1	1	266.404	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 32: GN IRS 16

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 32:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	GNIRS16	RA: 12 36 37.0139 (189.1542246d) Dec: +62 08 52.97 (62.14805d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG16	6	1	1	266.404	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	64	1	1	1	1	177.603		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	108	6	12	1	2	3624.202	137823

Observation

Proposal 3224, Observation 33: GN IRS 18

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 33:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	GNIRS18	RA: 12 37 16.5994 (189.3191642d) Dec: +62 16 43.33 (62.27870d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG8	4	1	1	88.801	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 34: GN IRS 19

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 34:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(13)	GNIRS19	RA: 12 35 55.1459 (188.9797746d) Dec: +62 09 2.43 (62.15067d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG8	4	1	1	88.801	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 35: GN IRS 21 Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 35:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(14)	GNIRS21	RA: 12 36 18.3389 (189.0764121d) Dec: +62 15 50.58 (62.26405d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG16	4	1	1	177.603	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	64	1	1	1	1	177.603		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	108	6	12	1	2	3624.202	137823

Observation

Proposal 3224, Observation 36: GN IRS 25

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 36:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(15)	GNIRS25	RA: 12 37 1.5726 (189.2565525d) Dec: +62 11 46.36 (62.19621d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG8	4	1	1	88.801	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 37: GN IRS 26

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 37:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(16)	GNIRS26	RA: 12 36 34.5005 (189.1437521d) Dec: +62 12 41.07 (62.21141d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG8	4	1	1	88.801	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F770W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 38: GN IRS 27

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 38:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(17)	GNIRS27	RA: 12 36 55.9371 (189.2330712d) Dec: +62 08 8.24 (62.13562d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 39: GN IRS 32

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 39:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(18)	GNIRS32	RA: 12 37 18.2964 (189.3262350d) Dec: +62 22 59.48 (62.38319d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 63: GN IRS 32 v2

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 63:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(18)	GNIRS32	RA: 12 37 18.2964 (189.3262350d) Dec: +62 22 59.48 (62.38319d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG16	6	1	1	266.404	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 40: GN IRS 38

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 40:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(19)	GNIRS38	RA: 12 36 29.1288 (189.1213700d) Dec: +62 10 46.08 (62.17947d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F770W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 41: GN IRS 42

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 41:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(20)	GNIRS42	RA: 12 36 46.6683 (189.1944512d) Dec: +62 08 33.70 (62.14269d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F770W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 42: GN IRS 48 Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 42:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(21)	GNIRS48	RA: 12 36 51.5569 (189.2148204d) Dec: +62 06 44.06 (62.11224d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG8	4	1	1	88.801	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 43: GN IRS 50 Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 43:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(22)	GNIRS50	RA: 12 37 25.4735 (189.3561396d) Dec: +62 18 50.43 (62.31401d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 44: GN IRS 54

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 44:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(23)	GNIRS54	RA: 12 37 35.2942 (189.3970592d) Dec: +62 19 17.93 (62.32165d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG8	4	1	1	88.801	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 45: GN IRS 55 Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 45:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(24)	GNIRS55	RA: 12 36 46.7368 (189.1947367d) Dec: +62 14 45.90 (62.24608d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG16	6	1	1	266.404	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	64	1	1	1	1	177.603		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	108	6	12	1	2	3624.202	137823

Observation

Proposal 3224, Observation 46: GN IRS 57

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 46:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(25)	GNIRS57	RA: 12 36 40.7342 (189.1697258d) Dec: +62 10 10.92 (62.16970d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG16	6	1	1	266.404	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	64	1	1	1	1	177.603		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	108	6	12	1	2	3624.202	137823

Observation

Proposal 3224, Observation 47: GN IRS 58

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 47:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(26)	GNIRS58	RA: 12 36 44.8312 (189.1867967d) Dec: +62 17 15.92 (62.28776d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG16	6	1	1	266.404	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	64	1	1	1	1	177.603		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	108	6	12	1	2	3624.202	137823

Observation

Proposal 3224, Observation 48: GN IRS 61

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 48:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(27)	GNIRS61	RA: 12 36 17.3390 (189.0722458d) Dec: +62 15 29.71 (62.25825d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG8	4	1	1	88.801	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 49: GN IRS 62

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 49:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(28)	GNIRS62	RA: 12 36 29.5089 (189.1229537d) Dec: +62 06 46.89 (62.11303d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG8	4	1	1	88.801	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 50: GN IRS 63 Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 50:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(29)	GNIRS63	RA: 12 36 26.5667 (189.1106946d) Dec: +62 08 36.06 (62.14335d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG16	6	1	1	266.404	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F770W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	108	6	12	1	2	3624.202	137823

Observation

Proposal 3224, Observation 51: FLS IRS 289

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 51:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(50)	FLSIRS289	RA: 17 13 50.1019 (258.4587579d) Dec: +58 56 58.55 (58.94960d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 64: FLS IRS 289 v2 Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 64:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(50)	FLSIRS289	RA: 17 13 50.1019 (258.4587579d) Dec: +58 56 58.55 (58.94960d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG16	6	1	1	266.404	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 52: FLS IRS 521

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 52:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(51)	FLSIRS521	RA: 17 13 41.3634 (258.4223475d) Dec: +58 57 3.34 (58.95093d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 53: FLS IRS 8040

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 53:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(52)	FLSIRS8040	RA: 17 13 11.9957 (258.2999821d) Dec: +60 08 40.18 (60.14449d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F560W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 54: FLS IRS 8493

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 54:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(53)	FLSIRS8493	RA: 17 18 12.6513 (259.5527138d) Dec: +59 39 22.41 (59.65622d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG16	4	1	1	177.603	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	108	6	12	1	2	3624.202	137823

Observation

Proposal 3224, Observation 55: FLS IRS 22530

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 55:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(54)	FLSIRS22530	RA: 17 23 3.3065 (260.7637771d) Dec: +59 16 0.50 (59.26681d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG16	6	1	1	266.404	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 56: FLS IRS 19456000 Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 56:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(55)	FLSIRS19456000	RA: 17 18 45.4351 (259.6893129d) Dec: +59 32 32.87 (59.54246d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	108	6	12	1	2	3624.202	137823

Observation

Proposal 3224, Observation 57: FLS IRS 509

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 57:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(56)	FLSIRS509	RA: 17 14 22.0787 (258.5919946d) Dec: +59 28 14.45 (59.47068d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 58: FLS IRS 8242

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 58:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(57)	FLSIRS8242	RA: 17 14 33.0652 (258.6377717d) Dec: +59 39 10.89 (59.65302d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1130W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 59: FLS IRS 8226

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 59:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(58)	FLSIRS8226	RA: 17 12 4.6601 (258.0194171d) Dec: +60 16 31.62 (60.27545d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 60: FLS IRS 16122

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 60:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(59)	FLSIRS16122	RA: 17 20 51.3759 (260.2140662d) Dec: +60 01 48.43 (60.03012d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F1500W	FASTGRPAVG	4	1	1	44.401	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823

Observation

Proposal 3224, Observation 61: FLS IRS 22722

Tue Mar 19 17:00:56 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Low Resolution Spectroscopy

Diagnostics

(Visit 61:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(60)	FLSIRS22722	RA: 17 18 45.4351 (259.6893129d) Dec: +58 51 22.10 (58.85614d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[High-redshift galaxies, Infrared galaxies]

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FASTGRPAVG16	6	1	1	266.404	137823

Template

Subarray	Obtain Verification Image?
FULL	true

Dithers

#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset
1	ALONG SLIT NOD				

Pointing Verification

#	PV Readout Pattern	PV Groups/Int	PV Integrations/Exp	PV Total Integrations	PV Exposures/Dith	PV Total Dithers	PV Total Exposure Time	PV ETC Wkbk.Calc ID	Filter
1	FASTR1	16	1	1	1	1	44.401		F1000W

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	FASTR1	81	2	4	1	2	904.663	137823