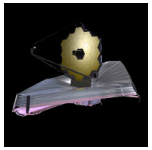

3730 - The Hot Rocks Survey: Testing 9 Irradiated Terrestrial Exoplanets for Atmospheres

Cycle: 2, Proposal Category: GO

INVESTIGATORS

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OBSERVATIONS

Folder	***Observation***	***Label***	***Observing Template***	***Science Target***
GJ-3473				
	1	GJ-3473_1	MIRI Imaging	(1) GJ-3473
	2	GJ-3473_2	MIRI Imaging	(1) GJ-3473
	3	GJ-3473_3	MIRI Imaging	(1) GJ-3473
	29	GJ-3473_3	MIRI Imaging	(1) GJ-3473
	4	GJ-3473_4	MIRI Imaging	(1) GJ-3473
GJ-357				
	5	GJ-357_1	MIRI Imaging	(2) GJ-357
	23	GJ-357_offset_dither_1	MIRI Imaging	(10) GJ-357_offset
	27	GJ-357_1	MIRI Imaging	(2) GJ-357
	28	GJ-357_offset_dither_1	MIRI Imaging	(10) GJ-357_offset
HD-260655				
	6	HD-260655_1	MIRI Imaging	(3) HD-260655
	24	HD-260655_offset_dither_1	MIRI Imaging	(11) HD-260655_offset
	7	HD-260655_2	MIRI Imaging	(3) HD-260655
	25	HD-260655_offset_dither_2	MIRI Imaging	(11) HD-260655_offset
L-98-59				
	8	L-98-59_1	MIRI Imaging	(4) L-98-59
	26	L-98-59_offset_dither_1	MIRI Imaging	(12) L-98-59_offset
LHS-1140				
	9	LHS-1140_1	MIRI Imaging	(5) LHS-1140
	10	LHS-1140_2	MIRI Imaging	(5) LHS-1140
	11	LHS-1140_3	MIRI Imaging	(5) LHS-1140

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
LHS-1478				
	12	LHS-1478_1	MIRI Imaging	(6) LHS-1478
	13	LHS-1478_2	MIRI Imaging	(6) LHS-1478
LTT-3780				
	14	LTT-3780_1	MIRI Imaging	(7) LTT-3780
	15	LTT-3780_2	MIRI Imaging	(7) LTT-3780
TOI-1468				
	16	TOI-1468_1	MIRI Imaging	(8) TOI-1468
	17	TOI-1468_2	MIRI Imaging	(8) TOI-1468
	18	TOI-1468_3	MIRI Imaging	(8) TOI-1468
L-231-32				
	19	L-231-32_1	MIRI Imaging	(9) L-231-32
	20	L-231-32_2	MIRI Imaging	(9) L-231-32
	21	L-231-32_3	MIRI Imaging	(9) L-231-32
	22	L-231-32_4	MIRI Imaging	(9) L-231-32

ABSTRACT

Five years into the TESS mission and with extensive radial velocity follow-up work from the ground, we now know of dozens of true terrestrial exoplanets---worlds with well-measured radii and masses that imply Earth-like bulk compositions. The sub-set of terrestrial exoplanets amenable for atmospheric investigation all orbit nearby, small, cool stars called M dwarfs. But while M dwarfs are favorable hosts for detecting small planets, their prolonged phases of high-energy activity may irreparably destroy the rocky world atmospheres we want to investigate. We propose to conduct a survey across a sample of 9 irradiated terrestrial exoplanets orbiting nearby early- to mid-M dwarfs to test if they have atmospheres, or are bare rocks. We will use the unique infrared photometric capability of JWST/MIRI in imaging mode to observe our targets as they pass behind their host stars in a secondary eclipse. This method will allow us to efficiently determine which, if any, of the worlds in our sample hint at the presence of atmospheres. Conducting this survey early in the lifetime of JWST will enable us to chart a course to the most promising of our rocky world neighbors to investigate further, or else send us back to the drawing board to invest our time in harder-to-reach cooler targets that are more likely to retain atmospheres. The implications of this work will touch small planet formation and evolution theories, atmospheric models of rocky worlds in the presence of M dwarfs, and the long-term search for biosignatures. We are requesting 80 hours of science time (115 hours charged time) to carry out our survey.

OBSERVING DESCRIPTION

We propose to conduct an experiment across a sample of nine irradiated terrestrial exoplanet orbiting nearby early- to mid-M dwarfs to test if they are bare rocks. All nine planets in the sample have measured radii and masses such that they are deemed terrestrial in nature, and all orbit nearby early- to mid-M dwarfs. All M dwarfs in the sample are considered inactive with slow rotation periods and low activity indicators. With these observations we are looking for the most extreme bare rock cases with low albedos (i.e., barren basalt surfaces as on the surface of Venus). Any presence of an atmosphere or a more exotic surface will present itself as a case for further follow-up study.

We will observe each planet in secondary eclipse using the infrared photometric capability of JWST/MIRI Imaging and the F1500W filter. We do not dither so as to maintain the target position on the same pixels throughout the time-series observatin. In some cases we will have to stack multiple eclipses to build up enough signal to differentiate the extreme bare rock case from the possibility of an atmospheres.

We use combinations of subarrays and ngroups/integration such that we can have at least 20 groups per integration, achieving a 65% of the full well depth. This puts 6 out of the nine targets on the sub 256 subarray. For the 3 brightest targets we have to move the sub128 or sub64 subarrays. Becuase we are concernted about measuring the background on these smallests subarrays, we additionally add short, dithered, offset observations at the end of the science TSO. These offset background observations are linked to the primary science observations.

The number of integrations per exposure is set by the duration of the secondary eclispe, plus baseline and additional time charges. We observe baseline on either side of the eclipse event equal to the eclipse duration in order to measure the eclipse depth and account for systematics. We add an extra 30 minutes to the start of the observations to account for detector settling. To account for the uncertainty in when the observations will begin, we charge an extra hour to each observation in order to keep the phase constraints to one hour, while ensuring that we will capture data before and after the eclipse event.

We use phase constraints to specify when to start observing each secondary eclispe, and BETWEEN constraints to avoid instances where a secondary eclipse is contaminated by the transit or eclipse of a sibling planet in the system.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	GJ-3473	RA: 08 02 22.4521 (120.5935504d) Dec: +03 20 13.60 (3.33711d) Equinox: J2000	Proper Motion RA: -403.19796827775485 mas/yr Proper Motion Dec: -380.9280968279645 mas/yr Parallax: 0.03661053015816239" Epoch of Position: 2016	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery. *Category=Star* *Description=[Exoplanet Systems, M dwarfs]*				
(2)	GJ-357	RA: 09 36 1.7964 (144.0074850d) Dec: -21 39 54.72 (-21.66520d) Equinox: J2000	Proper Motion RA: 138.7217909625574 mas/yr Proper Motion Dec: -990.3417190688432 mas/yr Parallax: 0.10597890913558383" Epoch of Position: 2016	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery. *Category=Star* *Description=[Exoplanet Systems, M dwarfs]*				
(3)	HD-260655	RA: 06 37 9.9436 (99.2914317d) Dec: +17 33 58.74 (17.56632d) Equinox: J2000	Proper Motion RA: -764.4141395476029 mas/yr Proper Motion Dec: 337.88323421402026 mas/yr Parallax: 0.10002319547433648" Epoch of Position: 2016	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery. *Category=Star* *Description=[Exoplanet Systems, M dwarfs]*				
(4)	L-98-59	RA: 08 18 7.8951 (124.5328963d) Dec: -68 18 52.25 (-68.31451d) Equinox: J2000	Proper Motion RA: 94.79378412168865 mas/yr Proper Motion Dec: -340.08431073762046 mas/yr Parallax: 0.09426635965165642" Epoch of Position: 2016	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery. *Category=Star* *Description=[Exoplanet Systems, M dwarfs]*				
(5)	LHS-1140	RA: 00 44 59.6827 (11.2486779d) Dec: -15 16 27.09 (-15.27419d) Equinox: J2000	Proper Motion RA: 318.1520629418195 mas/yr Proper Motion Dec: -596.6229051027706 mas/yr Parallax: 0.06682874472085788" Epoch of Position: 2016	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery. *Category=Star* *Description=[Exoplanet Systems, M dwarfs]*				
(6)	LHS-1478	RA: 02 57 21.4288 (44.3392867d) Dec: +76 33 4.86 (76.55135d) Equinox: J2000	Proper Motion RA: 690.9197545650943 mas/yr Proper Motion Dec: -399.8937562024991 mas/yr Parallax: 0.05490364921822687" Epoch of Position: 2016.0	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery. *Category=Star* *Description=[Exoplanet Systems, M stars]*				

(7)	LTT-3780	RA: 10 18 34.7652 (154.6448550d)	Proper Motion RA: -341.5372660862644 mas/yr
		Dec: -11 43 4.21 (-11.71784d)	Proper Motion Dec: -247.74725247160 mas/yr
		Equinox: J2000	Parallax: 0.04539719520705794"
			Epoch of Position: 2016.0
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery. *Category=Star* *Description=[Exoplanet Systems, M dwarfs]*			
(8)	TOI-1468	RA: 01 06 36.9279 (16.6538663d)	Proper Motion RA: -42.06666583479145 mas/yr
		Dec: +19 13 29.60 (19.22489d)	Proper Motion Dec: -222.790070123572 mas/yr
		Equinox: J2000	Parallax: 0.040451580634390714"
			Epoch of Position: 2016.0
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery. *Category=Star* *Description=[Exoplanet Systems, M dwarfs]*			
(9)	L-231-32	RA: 04 33 39.8638 (68.4160992d)	Proper Motion RA: 83.08204378717042 mas/yr
		Dec: -51 57 26.75 (-51.95743d)	Proper Motion Dec: -269.8034870673143 mas/yr
		Equinox: J2000	Parallax: 0.044489913488441966"
			Epoch of Position: 2016.0
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery. *Category=Star* *Description=[Exoplanet Systems, M dwarfs]*			
(10)	GJ-357_offset	RA: 09 36 3.0286 (144.0126192d)	
		Dec: -21 40 21.02 (-21.67251d)	
		Equinox: J2000	
Comments: *Category=Calibration* *Description=[Telescope/sky background]*			
(11)	HD-260655_offset	RA: 06 37 8.9280 (99.2872000d)	
		Dec: +17 34 5.16 (17.56810d)	
		Equinox: J2000	
Comments: *Category=Calibration* *Description=[Telescope/sky background]*			
(12)	L-98-59_offset	RA: 08 18 8.4766 (124.5353192d)	
		Dec: -68 19 3.81 (-68.31772d)	
		Equinox: J2000	
Comments: *Category=Calibration* *Description=[Telescope/sky background]*			

Observation

Proposal 3730, Observation 1: GJ-3473_1

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(GJ-3473_1 (Obs 1)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	GJ-3473	RA: 08 02 22.4521 (120.5935504d)	Proper Motion RA: -403.19796827775485 mas/yr	
		Dec: +03 20 13.60 (3.33711d)	Proper Motion Dec: -380.9280968279645 mas/yr	
		Equinox: J2000	Parallax: 0.03661053015816239"	
			Epoch of Position: 2016	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	39	1017	1	None	1	1017	12184.174	

Special Requirements

Phase 0.42491506531639817 to 0.45969517387102476 with period 1.198003975976397 Days and zero-phase 2458492.203283507 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 3730, Observation 2: GJ-3473_2

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(GJ-3473_2 (Obs 2)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	GJ-3473	RA: 08 02 22.4521 (120.5935504d)	Proper Motion RA: -403.19796827775485 mas/yr	
		Dec: +03 20 13.60 (3.33711d)	Proper Motion Dec: -380.9280968279645 mas/yr	
		Equinox: J2000	Parallax: 0.03661053015816239"	
			Epoch of Position: 2016	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	39	1017	1	None	1	1017	12184.174	

Special Requirements

Phase 0.42491506531639817 to 0.45969517387102476 with period 1.198003975976397 Days and zero-phase 2458492.203283507 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 3730, Observation 3: GJ-3473_3

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(GJ-3473_3 (Obs 3)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	GJ-3473	RA: 08 02 22.4521 (120.5935504d)	Proper Motion RA: -403.19796827775485 mas/yr	
		Dec: +03 20 13.60 (3.33711d)	Proper Motion Dec: -380.9280968279645 mas/yr	
		Equinox: J2000	Parallax: 0.03661053015816239"	
			Epoch of Position: 2016	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	39	1017	1	None	1	1017	12184.174	

Special Requirements

Phase 0.42491506531639817 to 0.45969517387102476 with period 1.198003975976397 Days and zero-phase 2458492.203283507 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 3730, Observation 29: GJ-3473_3

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(GJ-3473_3 (Obs 29)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	GJ-3473	RA: 08 02 22.4521 (120.5935504d)	Proper Motion RA: -403.19796827775485 mas/yr	
		Dec: +03 20 13.60 (3.33711d)	Proper Motion Dec: -380.9280968279645 mas/yr	
		Equinox: J2000	Parallax: 0.03661053015816239"	
			Epoch of Position: 2016	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	39	1017	1	None	1	1017	12184.174	

Special Requirements

Phase 0.42491506531639817 to 0.45969517387102476 with period 1.198003975976397 Days and zero-phase 2458492.203283507 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 3730, Observation 4: GJ-3473_4

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(GJ-3473_4 (Obs 4)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	GJ-3473	RA: 08 02 22.4521 (120.5935504d)	Proper Motion RA: -403.19796827775485 mas/yr	
		Dec: +03 20 13.60 (3.33711d)	Proper Motion Dec: -380.9280968279645 mas/yr	
		Equinox: J2000	Parallax: 0.03661053015816239"	
			Epoch of Position: 2016	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	39	1017	1	None	1	1017	12184.174	

Special Requirements

Phase 0.42491506531639817 to 0.45969517387102476 with period 1.198003975976397 Days and zero-phase 2458492.203283507 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 3730, Observation 5: GJ-357_1

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(GJ-357_1 (Obs 5)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	GJ-357	RA: 09 36 1.7964 (144.0074850d)	Proper Motion RA: 138.7217909625574 mas/yr	
		Dec: -21 39 54.72 (-21.66520d)	Proper Motion Dec: -990.3417190688432 mas/yr	
		Equinox: J2000	Parallax: 0.10597890913558383"	
			Epoch of Position: 2016	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray
SUB64

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	22	8125	1	None	1	8125	15906.715	

Special Requirements

Phase 0.4716692025581442 to 0.48226978293665534 with period 3.9306063296116895 Days and zero-phase 2458517.9978584545 HJD
Time Series Observation
No Parallel Attachments

Sequence Observations 5, 23, Non-interruptible

Observation

Proposal 3730, Observation 23: GJ-357_offset_dither_1 Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	GJ-357_offset	RA: 09 36 3.0286 (144.0126192d) Dec: -21 40 21.02 (-21.67251d) Equinox: J2000		

Comments:
Category=Calibration
Description=[Telescope/sky background]

Template

Subarray
SUB64

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4						DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	22	5	1	Dither 1	4	20	38.815	

Special Requirements

Sequence Observations 5, 23, Non-interruptible

Observation

Proposal 3730, Observation 27: GJ-357_1

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(GJ-357_1 (Obs 27)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	GJ-357	RA: 09 36 1.7964 (144.0074850d)	Proper Motion RA: 138.7217909625574 mas/yr	
		Dec: -21 39 54.72 (-21.66520d)	Proper Motion Dec: -990.3417190688432 mas/yr	
		Equinox: J2000	Parallax: 0.10597890913558383"	
			Epoch of Position: 2016	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray
SUB64

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	22	8125	1	None	1	8125	15906.715	

Special Requirements

Phase 0.4716692025581442 to 0.48226978293665534 with period 3.9306063296116895 Days and zero-phase 2458517.9978584545 HJD
Time Series Observation
No Parallel Attachments

Sequence Observations 27, 28, Non-interruptible

Observation

Proposal 3730, Observation 28: GJ-357_offset_dither_1 Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

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
(10)	GJ-357_offset	RA: 09 36 3.0286 (144.0126192d) Dec: -21 40 21.02 (-21.67251d) Equinox: J2000		

Comments:
Category=Calibration
Description=[Telescope/sky background]

Template

Subarray
SUB64

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4						DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	22	5	1	Dither 1	4	20	38.815	

Special Requirements

Sequence Observations 27, 28, Non-interruptible

Observation

Proposal 3730, Observation 6: HD-260655_1 Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(HD-260655_1 (Obs 6)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	HD-260655	RA: 06 37 9.9436 (99.2914317d)	Proper Motion RA: -764.4141395476029 mas/yr	
		Dec: +17 33 58.74 (17.56632d)	Proper Motion Dec: 337.88323421402026 mas/yr	
		Equinox: J2000	Parallax: 0.10002319547433648"	
			Epoch of Position: 2016	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB64

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	16	9484	1	None	1	9484	13723.642	

Special Requirements	Between Dates 01-JUL-2023:00:00:00 and 15-AUG-2023:15:31:07 Between Dates 15-AUG-2023:22:26:16 and 18-AUG-2023:09:59:14 Between Dates 18-AUG-2023:16:54:23 and 21-AUG-2023:04:27:21 Between Dates 21-AUG-2023:11:22:31 and 17-NOV-2023:19:27:18 Between Dates 18-NOV-2023:02:22:27 and 20-NOV-2023:13:55:25 Between Dates 20-NOV-2023:20:50:35 and 23-NOV-2023:08:23:33 Between Dates 23-NOV-2023:15:18:42 and 19-FEB-2024:23:23:29 Between Dates 20-FEB-2024:06:18:39 and 22-FEB-2024:17:51:37 Between Dates 23-FEB-2024:00:46:46 and 25-FEB-2024:12:19:44 Between Dates 25-FEB-2024:19:14:53 and 28-FEB-2024:06:47:51 Between Dates 28-FEB-2024:13:43:01 and 24-MAY-2024:03:19:41 Between Dates 24-MAY-2024:10:14:50 and 26-MAY-2024:21:47:48 Between Dates 27-MAY-2024:04:42:57 and 29-MAY-2024:16:15:55 Between Dates 29-MAY-2024:23:11:05 and 01-JUN-2024:10:44:03 Between Dates 01-JUN-2024:17:39:12 and 26-AUG-2024:07:15:52 Between Dates 26-AUG-2024:14:11:01 and 29-AUG-2024:01:43:59 Between Dates 29-AUG-2024:08:39:09 and 31-AUG-2024:20:12:07 Between Dates 01-SEP-2024:03:07:16 and 03-SEP-2024:14:40:14 Between Dates 03-SEP-2024:21:35:23 and 01-DEC-2024:05:40:11 Between Dates 01-DEC-2024:12:35:20 and 04-DEC-2024:00:08:18 Between Dates 04-DEC-2024:07:03:27 and 06-DEC-2024:18:36:25 Phase 0.46434595794633016 to 0.47939064362705336 with period 2.76953 Days and zero-phase 2459497.9093691213 HJD Time Series Observation No Parallel Attachments Sequence Observations 6, 24, Non-interruptible

Observation

Proposal 3730, Observation 24: HD-260655_offset_dither_1 Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-260655_offset	RA: 06 37 8.9280 (99.2872000d) Dec: +17 34 5.16 (17.56810d) Equinox: J2000		

Comments:
Category=Calibration
Description=[Telescope/sky background]

Template

Subarray
SUB64

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4						DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	16	5	1	Dither 1	4	20	28.6	

Special Requirements

Sequence Observations 6, 24, Non-interruptible

Observation

Proposal 3730, Observation 7: HD-260655_2 Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(HD-260655_2 (Obs 7)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	HD-260655	RA: 06 37 9.9436 (99.2914317d)	Proper Motion RA: -764.4141395476029 mas/yr	
		Dec: +17 33 58.74 (17.56632d)	Proper Motion Dec: 337.88323421402026 mas/yr	
		Equinox: J2000	Parallax: 0.10002319547433648"	
			Epoch of Position: 2016	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray
SUB64

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	16	9484	1	None	1	9484	13723.642	

Special Requirements	Between Dates 01-JUL-2023:00:00:00 and 15-AUG-2023:15:31:07 Between Dates 15-AUG-2023:22:26:16 and 18-AUG-2023:09:59:14 Between Dates 18-AUG-2023:16:54:23 and 21-AUG-2023:04:27:21 Between Dates 21-AUG-2023:11:22:31 and 17-NOV-2023:19:27:18 Between Dates 18-NOV-2023:02:22:27 and 20-NOV-2023:13:55:25 Between Dates 20-NOV-2023:20:50:35 and 23-NOV-2023:08:23:33 Between Dates 23-NOV-2023:15:18:42 and 19-FEB-2024:23:23:29 Between Dates 20-FEB-2024:06:18:39 and 22-FEB-2024:17:51:37 Between Dates 23-FEB-2024:00:46:46 and 25-FEB-2024:12:19:44 Between Dates 25-FEB-2024:19:14:53 and 28-FEB-2024:06:47:51 Between Dates 28-FEB-2024:13:43:01 and 24-MAY-2024:03:19:41 Between Dates 24-MAY-2024:10:14:50 and 26-MAY-2024:21:47:48 Between Dates 27-MAY-2024:04:42:57 and 29-MAY-2024:16:15:55 Between Dates 29-MAY-2024:23:11:05 and 01-JUN-2024:10:44:03 Between Dates 01-JUN-2024:17:39:12 and 26-AUG-2024:07:15:52 Between Dates 26-AUG-2024:14:11:01 and 29-AUG-2024:01:43:59 Between Dates 29-AUG-2024:08:39:09 and 31-AUG-2024:20:12:07 Between Dates 01-SEP-2024:03:07:16 and 03-SEP-2024:14:40:14 Between Dates 03-SEP-2024:21:35:23 and 01-DEC-2024:05:40:11 Between Dates 01-DEC-2024:12:35:20 and 04-DEC-2024:00:08:18 Between Dates 04-DEC-2024:07:03:27 and 06-DEC-2024:18:36:25 Phase 0.46434595794633016 to 0.47939064362705336 with period 2.76953 Days and zero-phase 2459497.9093691213 HJD Time Series Observation No Parallel Attachments Sequence Observations 7, 25, Non-interruptible

Observation

Proposal 3730, Observation 25: HD-260655_offset_dither_2

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

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
(11)	HD-260655_offset	RA: 06 37 8.9280 (99.2872000d) Dec: +17 34 5.16 (17.56810d) Equinox: J2000		

Comments:
Category=Calibration
Description=[Telescope/sky background]

Template

Subarray
SUB64

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4						DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	16	5	1	Dither 1	4	20	28.6	

Special Requirements

Sequence Observations 7, 25, Non-interruptible

Observation

Proposal 3730, Observation 8: L-98-59_1

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(L-98-59_1 (Obs 8)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	L-98-59	RA: 08 18 7.8951 (124.5328963d)	Proper Motion RA: 94.79378412168865 mas/yr	
		Dec: -68 18 52.25 (-68.31451d)	Proper Motion Dec: -340.08431073762046 mas/yr	
		Equinox: J2000	Parallax: 0.09426635965165642"	
			Epoch of Position: 2016	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB128

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	23	4594	1	None	1	4594	13124.755	

Special Requirements	Between Dates 01-JUL-2023:00:00:00 and 26-JUL-2023:02:16:07 Between Dates 26-JUL-2023:08:07:10 and 09-AUG-2023:20:34:25 Between Dates 10-AUG-2023:02:25:28 and 04-SEP-2023:16:36:27 Between Dates 04-SEP-2023:22:27:30 and 19-SEP-2023:10:54:45 Between Dates 19-SEP-2023:16:45:48 and 30-SEP-2023:12:38:29 Between Dates 30-SEP-2023:18:29:32 and 07-OCT-2023:21:47:38 Between Dates 08-OCT-2023:03:38:41 and 11-OCT-2023:14:22:12 Between Dates 11-OCT-2023:20:13:16 and 15-OCT-2023:06:56:47 Between Dates 15-OCT-2023:12:47:50 and 18-OCT-2023:23:31:22 Between Dates 19-OCT-2023:05:22:25 and 22-OCT-2023:16:05:56 Between Dates 22-OCT-2023:21:56:59 and 26-OCT-2023:08:40:31 Between Dates 26-OCT-2023:14:31:34 and 30-OCT-2023:01:15:05 Between Dates 30-OCT-2023:07:06:09 and 10-NOV-2023:02:58:49 Between Dates 10-NOV-2023:08:49:52 and 24-NOV-2023:21:17:07 Between Dates 25-NOV-2023:03:08:10 and 05-DEC-2023:23:00:51 Between Dates 06-DEC-2023:04:51:54 and 20-DEC-2023:17:19:09 Between Dates 20-DEC-2023:23:10:12 and 04-JAN-2024:11:37:27 Between Dates 04-JAN-2024:17:28:31 and 15-JAN-2024:13:21:11 Between Dates 15-JAN-2024:19:12:14 and 30-JAN-2024:07:39:29 Between Dates 30-JAN-2024:13:30:32 and 25-FEB-2024:03:41:31 Between Dates 25-FEB-2024:09:32:34 and 10-MAR-2024:21:59:49 Between Dates 11-MAR-2024:03:50:52 and 21-MAR-2024:23:43:33 Between Dates 22-MAR-2024:05:34:36 and 05-APR-2024:18:01:51 Between Dates 05-APR-2024:23:52:54 and 01-MAY-2024:14:03:53 Between Dates 01-MAY-2024:19:54:56 and 16-MAY-2024:08:22:11 Between Dates 16-MAY-2024:14:13:14 and 11-JUN-2024:04:24:13 Between Dates 11-JUN-2024:10:15:16 and 25-JUN-2024:22:42:31 Between Dates 26-JUN-2024:04:33:35 and 07-JUL-2024:00:26:15 Between Dates 07-JUL-2024:06:17:18 and 21-JUL-2024:18:44:33 Between Dates 22-JUL-2024:00:35:36 and 16-AUG-2024:14:46:35 Between Dates 16-AUG-2024:20:37:38 and 31-AUG-2024:09:04:53 Between Dates 31-AUG-2024:14:55:56 and 26-SEP-2024:05:06:55 Between Dates 26-SEP-2024:10:57:58 and 10-OCT-2024:23:25:13 Between Dates 11-OCT-2024:05:16:17 and 22-OCT-2024:01:08:57 Between Dates 22-OCT-2024:07:00:00 and 05-NOV-2024:19:27:15 Between Dates 06-NOV-2024:01:18:18 and 09-NOV-2024:12:01:50 Between Dates 09-NOV-2024:17:52:53 and 13-NOV-2024:04:36:24 Between Dates 13-NOV-2024:10:27:28 and 16-NOV-2024:21:10:59 Between Dates 17-NOV-2024:03:02:02 and 20-NOV-2024:13:45:33 Between Dates 20-NOV-2024:19:36:37 and 24-NOV-2024:06:20:08 Between Dates 24-NOV-2024:12:11:11 and 27-NOV-2024:22:54:42 Between Dates 28-NOV-2024:04:45:46 and 01-DEC-2024:15:29:17 Between Dates 01-DEC-2024:21:20:20 and 16-DEC-2024:09:47:35 Phase 0.47415406616892236 to 0.48544378359218404 with period 3.6906777 Days and zero-phase 2458367.2729527242 HJD Time Series Observation No Parallel Attachments Sequence Observations 8, 26, Non-interruptible

Observation

Proposal 3730, Observation 26: L-98-59_offset_dither_1 Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

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
(12)	L-98-59_offset	RA: 08 18 8.4766 (124.5353192d) Dec: -68 19 3.81 (-68.31772d) Equinox: J2000		

Comments:
Category=Calibration
Description=[Telescope/sky background]

Template

Subarray
SUB128

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	4						DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	23	5	1	Dither 1	4	20	56.663	

Special Requirements

Sequence Observations 8, 26, Non-interruptible

Observation

Proposal 3730, Observation 9: LHS-1140_1

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(LHS-1140_1 (Obs 9)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	LHS-1140	RA: 00 44 59.6827 (11.2486779d)	Proper Motion RA: 318.1520629418195 mas/yr	
		Dec: -15 16 27.09 (-15.27419d)	Proper Motion Dec: -596.6229051027706 mas/yr	
		Equinox: J2000	Parallax: 0.06682874472085788"	
			Epoch of Position: 2016	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	36	1262	1	None	1	1262	13985.487	

Special Requirements

Between Dates 01-JUL-2023:00:00:00 and 05-SEP-2023:15:00:08
Between Dates 05-SEP-2023:21:29:59 and 29-AUG-2024:12:42:17
Phase 0.47344360234540084 to 0.48447255233751496 with period 3.777939728 Days and zero-phase 2458389.293428752 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 3730, Observation 10: LHS-1140_2

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(LHS-1140_2 (Obs 10)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	LHS-1140	RA: 00 44 59.6827 (11.2486779d)	Proper Motion RA: 318.1520629418195 mas/yr	
		Dec: -15 16 27.09 (-15.27419d)	Proper Motion Dec: -596.6229051027706 mas/yr	
		Equinox: J2000	Parallax: 0.06682874472085788"	
			Epoch of Position: 2016	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	36	1262	1	None	1	1262	13985.487	

Special Requirements

Between Dates 01-JUL-2023:00:00:00 and 05-SEP-2023:15:00:08
Between Dates 05-SEP-2023:21:29:59 and 29-AUG-2024:12:42:17
Phase 0.47344360234540084 to 0.48447255233751496 with period 3.777939728 Days and zero-phase 2458389.293428752 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 3730, Observation 11: LHS-1140_3

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(LHS-1140_3 (Obs 11)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	LHS-1140	RA: 00 44 59.6827 (11.2486779d)	Proper Motion RA: 318.1520629418195 mas/yr	
		Dec: -15 16 27.09 (-15.27419d)	Proper Motion Dec: -596.6229051027706 mas/yr	
		Equinox: J2000	Parallax: 0.06682874472085788"	
			Epoch of Position: 2016	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	36	1262	1	None	1	1262	13985.487	

Special Requirements

Between Dates 01-JUL-2023:00:00:00 and 05-SEP-2023:15:00:08
Between Dates 05-SEP-2023:21:29:59 and 29-AUG-2024:12:42:17
Phase 0.47344360234540084 to 0.48447255233751496 with period 3.777939728 Days and zero-phase 2458389.293428752 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 3730, Observation 12: LHS-1478_1

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(LHS-1478_1 (Obs 12)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	LHS-1478	RA: 02 57 21.4288 (44.3392867d)	Proper Motion RA: 690.9197545650943 mas/yr	
		Dec: +76 33 4.86 (76.55135d)	Proper Motion Dec: -399.8937562024991 mas/yr	
		Equinox: J2000	Parallax: 0.05490364921822687"	
			Epoch of Position: 2016.0	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M stars]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	39	964	1	None	1	964	11549.192	

Special Requirements

Phase 0.4557651824353146 to 0.4771377910266091 with period 1.9495378 Days and zero-phase 2458786.753429026 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 3730, Observation 13: LHS-1478_2

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(LHS-1478_2 (Obs 13)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	LHS-1478	RA: 02 57 21.4288 (44.3392867d)	Proper Motion RA: 690.9197545650943 mas/yr	
		Dec: +76 33 4.86 (76.55135d)	Proper Motion Dec: -399.8937562024991 mas/yr	
		Equinox: J2000	Parallax: 0.05490364921822687"	
			Epoch of Position: 2016.0	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M stars]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	39	964	1	None	1	964	11549.192	

Special Requirements

Phase 0.4557651824353146 to 0.4771377910266091 with period 1.9495378 Days and zero-phase 2458786.753429026 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 3730, Observation 14: LTT-3780_1 Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(LTT-3780_1 (Obs 14)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	LTT-3780	RA: 10 18 34.7652 (154.6448550d)	Proper Motion RA: -341.5372660862644 mas/yr	
		Dec: -11 43 4.21 (-11.71784d)	Proper Motion Dec: -247.74725247160 mas/yr	
		Equinox: J2000	Parallax: 0.04539719520705794"	
			Epoch of Position: 2016.0	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray
SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	22	1717	1	None	1	1717	11828.045	

Special Requirements	Between Dates 01-JUL-2023:00:00:00 and 07-AUG-2023:10:34:07 Between Dates 07-AUG-2023:15:08:44 and 13-AUG-2023:14:05:50 Between Dates 13-AUG-2023:18:40:26 and 19-AUG-2023:17:37:32 Between Dates 19-AUG-2023:22:12:08 and 25-AUG-2023:21:09:14 Between Dates 26-AUG-2023:01:43:51 and 01-SEP-2023:00:40:56 Between Dates 01-SEP-2023:05:15:33 and 07-SEP-2023:04:12:38 Between Dates 07-SEP-2023:08:47:15 and 13-SEP-2023:07:44:21 Between Dates 13-SEP-2023:12:18:57 and 19-SEP-2023:11:16:03 Between Dates 19-SEP-2023:15:50:39 and 25-SEP-2023:14:47:45 Between Dates 25-SEP-2023:19:22:21 and 01-OCT-2023:18:19:27 Between Dates 01-OCT-2023:22:54:04 and 21-MAR-2024:02:40:40 Between Dates 21-MAR-2024:07:15:17 and 27-MAR-2024:06:12:23 Between Dates 27-MAR-2024:10:46:59 and 02-APR-2024:09:44:05 Between Dates 02-APR-2024:14:18:41 and 08-APR-2024:13:15:47 Between Dates 08-APR-2024:17:50:24 and 14-APR-2024:16:47:29 Between Dates 14-APR-2024:21:22:06 and 20-APR-2024:20:19:11 Between Dates 21-APR-2024:00:53:48 and 26-APR-2024:23:50:54 Between Dates 27-APR-2024:04:25:30 and 03-MAY-2024:03:22:36 Between Dates 03-MAY-2024:07:57:12 and 09-MAY-2024:06:54:18 Between Dates 09-MAY-2024:11:28:54 and 02-NOV-2024:18:47:13 Between Dates 02-NOV-2024:23:21:50 and 08-NOV-2024:22:18:56 Between Dates 09-NOV-2024:02:53:32 and 15-NOV-2024:01:50:38 Between Dates 15-NOV-2024:06:25:14 and 21-NOV-2024:05:22:20 Between Dates 21-NOV-2024:09:56:57 and 27-NOV-2024:08:54:02 Between Dates 27-NOV-2024:13:28:39 and 03-DEC-2024:12:25:44 Between Dates 03-DEC-2024:17:00:21 and 09-DEC-2024:15:57:27 Between Dates 09-DEC-2024:20:32:03 and 15-DEC-2024:19:29:09 Between Dates 16-DEC-2024:00:03:45 and 21-DEC-2024:23:00:51 Phase 0.3856100389883261 to 0.43983694626604697 with period 0.768377 Days and zero-phase 2458543.911989638 HJD Time Series Observation No Parallel Attachments

Observation

Proposal 3730, Observation 15: LTT-3780_2 Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(LTT-3780_2 (Obs 15)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	LTT-3780	RA: 10 18 34.7652 (154.6448550d)	Proper Motion RA: -341.5372660862644 mas/yr	
		Dec: -11 43 4.21 (-11.71784d)	Proper Motion Dec: -247.74725247160 mas/yr	
		Equinox: J2000	Parallax: 0.04539719520705794"	
			Epoch of Position: 2016.0	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray
SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	22	1717	1	None	1	1717	11828.045	

Special Requirements	Between Dates 01-JUL-2023:00:00:00 and 07-AUG-2023:10:34:07 Between Dates 07-AUG-2023:15:08:44 and 13-AUG-2023:14:05:50 Between Dates 13-AUG-2023:18:40:26 and 19-AUG-2023:17:37:32 Between Dates 19-AUG-2023:22:12:08 and 25-AUG-2023:21:09:14 Between Dates 26-AUG-2023:01:43:51 and 01-SEP-2023:00:40:56 Between Dates 01-SEP-2023:05:15:33 and 07-SEP-2023:04:12:38 Between Dates 07-SEP-2023:08:47:15 and 13-SEP-2023:07:44:21 Between Dates 13-SEP-2023:12:18:57 and 19-SEP-2023:11:16:03 Between Dates 19-SEP-2023:15:50:39 and 25-SEP-2023:14:47:45 Between Dates 25-SEP-2023:19:22:21 and 01-OCT-2023:18:19:27 Between Dates 01-OCT-2023:22:54:04 and 21-MAR-2024:02:40:40 Between Dates 21-MAR-2024:07:15:17 and 27-MAR-2024:06:12:23 Between Dates 27-MAR-2024:10:46:59 and 02-APR-2024:09:44:05 Between Dates 02-APR-2024:14:18:41 and 08-APR-2024:13:15:47 Between Dates 08-APR-2024:17:50:24 and 14-APR-2024:16:47:29 Between Dates 14-APR-2024:21:22:06 and 20-APR-2024:20:19:11 Between Dates 21-APR-2024:00:53:48 and 26-APR-2024:23:50:54 Between Dates 27-APR-2024:04:25:30 and 03-MAY-2024:03:22:36 Between Dates 03-MAY-2024:07:57:12 and 09-MAY-2024:06:54:18 Between Dates 09-MAY-2024:11:28:54 and 02-NOV-2024:18:47:13 Between Dates 02-NOV-2024:23:21:50 and 08-NOV-2024:22:18:56 Between Dates 09-NOV-2024:02:53:32 and 15-NOV-2024:01:50:38 Between Dates 15-NOV-2024:06:25:14 and 21-NOV-2024:05:22:20 Between Dates 21-NOV-2024:09:56:57 and 27-NOV-2024:08:54:02 Between Dates 27-NOV-2024:13:28:39 and 03-DEC-2024:12:25:44 Between Dates 03-DEC-2024:17:00:21 and 09-DEC-2024:15:57:27 Between Dates 09-DEC-2024:20:32:03 and 15-DEC-2024:19:29:09 Between Dates 16-DEC-2024:00:03:45 and 21-DEC-2024:23:00:51 Phase 0.3856100389883261 to 0.43983694626604697 with period 0.768377 Days and zero-phase 2458543.911989638 HJD Time Series Observation No Parallel Attachments

Observation

Proposal 3730, Observation 16: TOI-1468_1

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(TOI-1468_1 (Obs 16)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(8)	TOI-1468	RA: 01 06 36.9279 (16.6538663d)	Proper Motion RA: -42.06666583479145 mas/yr	
		Dec: +19 13 29.60 (19.22489d)	Proper Motion Dec: -222.790070123572 mas/yr	
		Equinox: J2000	Parallax: 0.040451580634390714"	
			Epoch of Position: 2016.0	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray
SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	31	1448	1	None	1	1448	13878.259	

Special Requirements

Between Dates 01-JUL-2023:00:00:00 and 08-JUL-2023:02:57:09
Between Dates 08-JUL-2023:09:15:38 and 08-SEP-2023:04:19:09
Between Dates 08-SEP-2023:10:37:38 and 01-NOV-2023:17:09:24
Between Dates 01-NOV-2023:23:27:53 and 02-JAN-2024:18:31:24
Between Dates 03-JAN-2024:00:49:53 and 04-MAR-2024:19:53:25
Between Dates 05-MAR-2024:02:11:54 and 28-APR-2024:08:43:40
Between Dates 28-APR-2024:15:02:08 and 29-JUN-2024:10:05:40
Between Dates 29-JUN-2024:16:24:09 and 30-AUG-2024:11:27:40
Between Dates 30-AUG-2024:17:46:09 and 24-OCT-2024:00:17:55
Between Dates 24-OCT-2024:06:36:24 and 31-OCT-2024:12:49:41
Between Dates 31-OCT-2024:19:08:10 and 25-DEC-2024:01:39:56
Phase 0.44697807717035193 to 0.46913516677254 with period 1.8805136 Days and zero-phase 2458765.6799888485 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 3730, Observation 17: TOI-1468_2

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(TOI-1468_2 (Obs 17)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(8)	TOI-1468	RA: 01 06 36.9279 (16.6538663d)	Proper Motion RA: -42.06666583479145 mas/yr	
		Dec: +19 13 29.60 (19.22489d)	Proper Motion Dec: -222.790070123572 mas/yr	
		Equinox: J2000	Parallax: 0.040451580634390714"	
			Epoch of Position: 2016.0	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	31	1448	1	None	1	1448	13878.259	

Special Requirements

Between Dates 01-JUL-2023:00:00:00 and 08-JUL-2023:02:57:09
Between Dates 08-JUL-2023:09:15:38 and 08-SEP-2023:04:19:09
Between Dates 08-SEP-2023:10:37:38 and 01-NOV-2023:17:09:24
Between Dates 01-NOV-2023:23:27:53 and 02-JAN-2024:18:31:24
Between Dates 03-JAN-2024:00:49:53 and 04-MAR-2024:19:53:25
Between Dates 05-MAR-2024:02:11:54 and 28-APR-2024:08:43:40
Between Dates 28-APR-2024:15:02:08 and 29-JUN-2024:10:05:40
Between Dates 29-JUN-2024:16:24:09 and 30-AUG-2024:11:27:40
Between Dates 30-AUG-2024:17:46:09 and 24-OCT-2024:00:17:55
Between Dates 24-OCT-2024:06:36:24 and 31-OCT-2024:12:49:41
Between Dates 31-OCT-2024:19:08:10 and 25-DEC-2024:01:39:56
Phase 0.44697807717035193 to 0.46913516677254 with period 1.8805136 Days and zero-phase 2458765.6799888485 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 3730, Observation 18: TOI-1468_3

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(TOI-1468_3 (Obs 18)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(8)	TOI-1468	RA: 01 06 36.9279 (16.6538663d)	Proper Motion RA: -42.06666583479145 mas/yr	
		Dec: +19 13 29.60 (19.22489d)	Proper Motion Dec: -222.790070123572 mas/yr	
		Equinox: J2000	Parallax: 0.040451580634390714"	
			Epoch of Position: 2016.0	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	31	1448	1	None	1	1448	13878.259	

Special Requirements

Between Dates 01-JUL-2023:00:00:00 and 08-JUL-2023:02:57:09
Between Dates 08-JUL-2023:09:15:38 and 08-SEP-2023:04:19:09
Between Dates 08-SEP-2023:10:37:38 and 01-NOV-2023:17:09:24
Between Dates 01-NOV-2023:23:27:53 and 02-JAN-2024:18:31:24
Between Dates 03-JAN-2024:00:49:53 and 04-MAR-2024:19:53:25
Between Dates 05-MAR-2024:02:11:54 and 28-APR-2024:08:43:40
Between Dates 28-APR-2024:15:02:08 and 29-JUN-2024:10:05:40
Between Dates 29-JUN-2024:16:24:09 and 30-AUG-2024:11:27:40
Between Dates 30-AUG-2024:17:46:09 and 24-OCT-2024:00:17:55
Between Dates 24-OCT-2024:06:36:24 and 31-OCT-2024:12:49:41
Between Dates 31-OCT-2024:19:08:10 and 25-DEC-2024:01:39:56
Phase 0.44697807717035193 to 0.46913516677254 with period 1.8805136 Days and zero-phase 2458765.6799888485 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 3730, Observation 19: L-231-32_1

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(L-231-32_1 (Obs 19)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(9)	L-231-32	RA: 04 33 39.8638 (68.4160992d)	Proper Motion RA: 83.08204378717042 mas/yr	
		Dec: -51 57 26.75 (-51.95743d)	Proper Motion Dec: -269.8034870673143 mas/yr	
		Equinox: J2000	Parallax: 0.044489913488441966"	
			Epoch of Position: 2016.0	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	25	2021	1	None	1	2021	15738.278	

Special Requirements	Between Dates 01-JUL-2023:00:00:00 and 27-JUL-2023:04:14:07 Between Dates 27-JUL-2023:12:50:48 and 12-AUG-2023:23:27:13 Between Dates 13-AUG-2023:08:03:54 and 19-AUG-2023:16:44:28 Between Dates 20-AUG-2023:01:21:09 and 05-SEP-2023:11:57:34 Between Dates 05-SEP-2023:20:34:15 and 18-SEP-2023:22:32:03 Between Dates 19-SEP-2023:07:08:44 and 05-OCT-2023:17:45:10 Between Dates 06-OCT-2023:02:21:51 and 01-NOV-2023:14:54:08 Between Dates 01-NOV-2023:23:30:49 and 11-NOV-2023:16:50:00 Between Dates 12-NOV-2023:01:26:41 and 28-NOV-2023:12:03:06 Between Dates 28-NOV-2023:20:39:48 and 04-JAN-2024:11:07:57 Between Dates 04-JAN-2024:19:44:38 and 14-JAN-2024:13:03:49 Between Dates 14-JAN-2024:21:40:30 and 21-JAN-2024:06:21:03 Between Dates 21-JAN-2024:14:57:44 and 27-FEB-2024:05:25:53 Between Dates 27-FEB-2024:14:02:34 and 15-MAR-2024:00:39:00 Between Dates 15-MAR-2024:09:15:41 and 28-MAR-2024:11:13:29 Between Dates 28-MAR-2024:19:50:10 and 20-APR-2024:23:43:50 Between Dates 21-APR-2024:08:20:31 and 07-MAY-2024:18:56:56 Between Dates 08-MAY-2024:03:33:37 and 10-JUN-2024:09:23:09 Between Dates 10-JUN-2024:17:59:50 and 13-JUN-2024:18:01:46 Between Dates 14-JUN-2024:02:38:28 and 30-JUN-2024:13:14:53 Between Dates 30-JUN-2024:21:51:34 and 20-JUL-2024:17:06:37 Between Dates 21-JUL-2024:01:43:18 and 06-AUG-2024:12:19:43 Between Dates 06-AUG-2024:20:56:24 and 23-AUG-2024:07:32:50 Between Dates 23-AUG-2024:16:09:31 and 12-SEP-2024:11:24:33 Between Dates 12-SEP-2024:20:01:14 and 29-SEP-2024:06:37:40 Between Dates 29-SEP-2024:15:14:21 and 19-OCT-2024:10:29:23 Between Dates 19-OCT-2024:19:06:04 and 05-NOV-2024:05:42:30 Between Dates 05-NOV-2024:14:19:11 and 22-NOV-2024:00:55:36 Between Dates 22-NOV-2024:09:32:17 and 29-DEC-2024:00:00:27 Between Dates 29-DEC-2024:08:37:08 and 01-JAN-2025:08:39:04 Phase 0.46711583666488354 to 0.4795160751103182 with period 3.3601538 Days and zero-phase 2458387.0942400363 HJD Time Series Observation No Parallel Attachments

Observation

Proposal 3730, Observation 20: L-231-32_2

Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(L-231-32_2 (Obs 20)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(9)	L-231-32	RA: 04 33 39.8638 (68.4160992d)	Proper Motion RA: 83.08204378717042 mas/yr	
		Dec: -51 57 26.75 (-51.95743d)	Proper Motion Dec: -269.8034870673143 mas/yr	
		Equinox: J2000	Parallax: 0.044489913488441966"	
			Epoch of Position: 2016.0	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	25	2021	1	None	1	2021	15738.278	

Special Requirements	Between Dates 01-JUL-2023:00:00:00 and 27-JUL-2023:04:14:07 Between Dates 27-JUL-2023:12:50:48 and 12-AUG-2023:23:27:13 Between Dates 13-AUG-2023:08:03:54 and 19-AUG-2023:16:44:28 Between Dates 20-AUG-2023:01:21:09 and 05-SEP-2023:11:57:34 Between Dates 05-SEP-2023:20:34:15 and 18-SEP-2023:22:32:03 Between Dates 19-SEP-2023:07:08:44 and 05-OCT-2023:17:45:10 Between Dates 06-OCT-2023:02:21:51 and 01-NOV-2023:14:54:08 Between Dates 01-NOV-2023:23:30:49 and 11-NOV-2023:16:50:00 Between Dates 12-NOV-2023:01:26:41 and 28-NOV-2023:12:03:06 Between Dates 28-NOV-2023:20:39:48 and 04-JAN-2024:11:07:57 Between Dates 04-JAN-2024:19:44:38 and 14-JAN-2024:13:03:49 Between Dates 14-JAN-2024:21:40:30 and 21-JAN-2024:06:21:03 Between Dates 21-JAN-2024:14:57:44 and 27-FEB-2024:05:25:53 Between Dates 27-FEB-2024:14:02:34 and 15-MAR-2024:00:39:00 Between Dates 15-MAR-2024:09:15:41 and 28-MAR-2024:11:13:29 Between Dates 28-MAR-2024:19:50:10 and 20-APR-2024:23:43:50 Between Dates 21-APR-2024:08:20:31 and 07-MAY-2024:18:56:56 Between Dates 08-MAY-2024:03:33:37 and 10-JUN-2024:09:23:09 Between Dates 10-JUN-2024:17:59:50 and 13-JUN-2024:18:01:46 Between Dates 14-JUN-2024:02:38:28 and 30-JUN-2024:13:14:53 Between Dates 30-JUN-2024:21:51:34 and 20-JUL-2024:17:06:37 Between Dates 21-JUL-2024:01:43:18 and 06-AUG-2024:12:19:43 Between Dates 06-AUG-2024:20:56:24 and 23-AUG-2024:07:32:50 Between Dates 23-AUG-2024:16:09:31 and 12-SEP-2024:11:24:33 Between Dates 12-SEP-2024:20:01:14 and 29-SEP-2024:06:37:40 Between Dates 29-SEP-2024:15:14:21 and 19-OCT-2024:10:29:23 Between Dates 19-OCT-2024:19:06:04 and 05-NOV-2024:05:42:30 Between Dates 05-NOV-2024:14:19:11 and 22-NOV-2024:00:55:36 Between Dates 22-NOV-2024:09:32:17 and 29-DEC-2024:00:00:27 Between Dates 29-DEC-2024:08:37:08 and 01-JAN-2025:08:39:04 Phase 0.46711583666488354 to 0.4795160751103182 with period 3.3601538 Days and zero-phase 2458387.0942400363 HJD Time Series Observation No Parallel Attachments

Observation

Proposal 3730, Observation 21: L-231-32_3 Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(L-231-32_3 (Obs 21)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(9)	L-231-32	RA: 04 33 39.8638 (68.4160992d)	Proper Motion RA: 83.08204378717042 mas/yr	
		Dec: -51 57 26.75 (-51.95743d)	Proper Motion Dec: -269.8034870673143 mas/yr	
		Equinox: J2000	Parallax: 0.044489913488441966"	
			Epoch of Position: 2016.0	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray

SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	25	2021	1	None	1	2021	15738.278	

Special Requirements	Between Dates 01-JUL-2023:00:00:00 and 27-JUL-2023:04:14:07 Between Dates 27-JUL-2023:12:50:48 and 12-AUG-2023:23:27:13 Between Dates 13-AUG-2023:08:03:54 and 19-AUG-2023:16:44:28 Between Dates 20-AUG-2023:01:21:09 and 05-SEP-2023:11:57:34 Between Dates 05-SEP-2023:20:34:15 and 18-SEP-2023:22:32:03 Between Dates 19-SEP-2023:07:08:44 and 05-OCT-2023:17:45:10 Between Dates 06-OCT-2023:02:21:51 and 01-NOV-2023:14:54:08 Between Dates 01-NOV-2023:23:30:49 and 11-NOV-2023:16:50:00 Between Dates 12-NOV-2023:01:26:41 and 28-NOV-2023:12:03:06 Between Dates 28-NOV-2023:20:39:48 and 04-JAN-2024:11:07:57 Between Dates 04-JAN-2024:19:44:38 and 14-JAN-2024:13:03:49 Between Dates 14-JAN-2024:21:40:30 and 21-JAN-2024:06:21:03 Between Dates 21-JAN-2024:14:57:44 and 27-FEB-2024:05:25:53 Between Dates 27-FEB-2024:14:02:34 and 15-MAR-2024:00:39:00 Between Dates 15-MAR-2024:09:15:41 and 28-MAR-2024:11:13:29 Between Dates 28-MAR-2024:19:50:10 and 20-APR-2024:23:43:50 Between Dates 21-APR-2024:08:20:31 and 07-MAY-2024:18:56:56 Between Dates 08-MAY-2024:03:33:37 and 10-JUN-2024:09:23:09 Between Dates 10-JUN-2024:17:59:50 and 13-JUN-2024:18:01:46 Between Dates 14-JUN-2024:02:38:28 and 30-JUN-2024:13:14:53 Between Dates 30-JUN-2024:21:51:34 and 20-JUL-2024:17:06:37 Between Dates 21-JUL-2024:01:43:18 and 06-AUG-2024:12:19:43 Between Dates 06-AUG-2024:20:56:24 and 23-AUG-2024:07:32:50 Between Dates 23-AUG-2024:16:09:31 and 12-SEP-2024:11:24:33 Between Dates 12-SEP-2024:20:01:14 and 29-SEP-2024:06:37:40 Between Dates 29-SEP-2024:15:14:21 and 19-OCT-2024:10:29:23 Between Dates 19-OCT-2024:19:06:04 and 05-NOV-2024:05:42:30 Between Dates 05-NOV-2024:14:19:11 and 22-NOV-2024:00:55:36 Between Dates 22-NOV-2024:09:32:17 and 29-DEC-2024:00:00:27 Between Dates 29-DEC-2024:08:37:08 and 01-JAN-2025:08:39:04 Phase 0.46711583666488354 to 0.4795160751103182 with period 3.3601538 Days and zero-phase 2458387.0942400363 HJD Time Series Observation No Parallel Attachments

Observation

Proposal 3730, Observation 22: L-231-32_4 Thu Apr 18 17:01:22 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

(L-231-32_4 (Obs 22)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(9)	L-231-32	RA: 04 33 39.8638 (68.4160992d)	Proper Motion RA: 83.08204378717042 mas/yr	
		Dec: -51 57 26.75 (-51.95743d)	Proper Motion Dec: -269.8034870673143 mas/yr	
		Equinox: J2000	Parallax: 0.044489913488441966"	
			Epoch of Position: 2016.0	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Updated by PI Diamond-Lowe to Gaia DR3 values using astroquery.
Category=Star
Description=[Exoplanet Systems, M dwarfs]

Template

Subarray
SUB256

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1500W	FASTR1	25	2021	1	None	1	2021	15738.278	

Special Requirements	Between Dates 01-JUL-2023:00:00:00 and 27-JUL-2023:04:14:07 Between Dates 27-JUL-2023:12:50:48 and 12-AUG-2023:23:27:13 Between Dates 13-AUG-2023:08:03:54 and 19-AUG-2023:16:44:28 Between Dates 20-AUG-2023:01:21:09 and 05-SEP-2023:11:57:34 Between Dates 05-SEP-2023:20:34:15 and 18-SEP-2023:22:32:03 Between Dates 19-SEP-2023:07:08:44 and 05-OCT-2023:17:45:10 Between Dates 06-OCT-2023:02:21:51 and 01-NOV-2023:14:54:08 Between Dates 01-NOV-2023:23:30:49 and 11-NOV-2023:16:50:00 Between Dates 12-NOV-2023:01:26:41 and 28-NOV-2023:12:03:06 Between Dates 28-NOV-2023:20:39:48 and 04-JAN-2024:11:07:57 Between Dates 04-JAN-2024:19:44:38 and 14-JAN-2024:13:03:49 Between Dates 14-JAN-2024:21:40:30 and 21-JAN-2024:06:21:03 Between Dates 21-JAN-2024:14:57:44 and 27-FEB-2024:05:25:53 Between Dates 27-FEB-2024:14:02:34 and 15-MAR-2024:00:39:00 Between Dates 15-MAR-2024:09:15:41 and 28-MAR-2024:11:13:29 Between Dates 28-MAR-2024:19:50:10 and 20-APR-2024:23:43:50 Between Dates 21-APR-2024:08:20:31 and 07-MAY-2024:18:56:56 Between Dates 08-MAY-2024:03:33:37 and 10-JUN-2024:09:23:09 Between Dates 10-JUN-2024:17:59:50 and 13-JUN-2024:18:01:46 Between Dates 14-JUN-2024:02:38:28 and 30-JUN-2024:13:14:53 Between Dates 30-JUN-2024:21:51:34 and 20-JUL-2024:17:06:37 Between Dates 21-JUL-2024:01:43:18 and 06-AUG-2024:12:19:43 Between Dates 06-AUG-2024:20:56:24 and 23-AUG-2024:07:32:50 Between Dates 23-AUG-2024:16:09:31 and 12-SEP-2024:11:24:33 Between Dates 12-SEP-2024:20:01:14 and 29-SEP-2024:06:37:40 Between Dates 29-SEP-2024:15:14:21 and 19-OCT-2024:10:29:23 Between Dates 19-OCT-2024:19:06:04 and 05-NOV-2024:05:42:30 Between Dates 05-NOV-2024:14:19:11 and 22-NOV-2024:00:55:36 Between Dates 22-NOV-2024:09:32:17 and 29-DEC-2024:00:00:27 Between Dates 29-DEC-2024:08:37:08 and 01-JAN-2025:08:39:04 Phase 0.46711583666488354 to 0.4795160751103182 with period 3.3601538 Days and zero-phase 2458387.0942400363 HJD Time Series Observation No Parallel Attachments