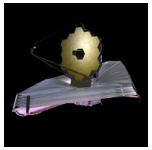

1045 - MIRI Coronagraphic PSF Characterization, Radial Transmission and 4QPM Transition

Cycle: 0, Proposal Category: COM/MIRI

INVESTIGATORS

Name	*Institution*	*E-Mail*
Dr. Daniel Dicken (PI) (ESA Member)	**Institut d'Astrophysique Spatiale**	**daniel.dicken@stfc.ac.uk**
Dr. Anthony Boccaletti (CoI) (ESA Member)	Observatoire de Paris - Section de Meudon	anthony.boccaletti@obspm.fr
Dr. Pierre-Olivier Lagage (CoI) (ESA Member)	Commissariat a l'Energie Atomique (CEA)	pierre-olivier.lagage@cea.fr
Macarena Garcia Marin (CoI)	Space Telescope Science Institute - ESA - JWST	maca@stsci.edu
Dr. Dean C. Hines (CoI) (US Admin CoI)	Space Telescope Science Institute	hines@stsci.edu
Dr. Pierre Guillard (CoI) (ESA Member)	CNRS, Institut d'Astrophysique de Paris	guillard@iap.fr
Dr. cyrine nehme (CoI) (ESA Member)	CEA/DSM/Irfu/Service d'Astrophysique - Laboratoire AIM	cyrine.nehme@gmail.com
Dr. Christophe Cossou (CoI) (ESA Member)	CEA/DSM/Irfu/Service d'Astrophysique - Laboratoire AIM	christophe.cossou@cea.fr

OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
PSF Charecterisation				
	1	PSF F1065C	MIRI Coronagraphic Photometric Calibration	(2) BD+60-1753
	2	PSF F1140C	MIRI Coronagraphic Photometric Calibration	(2) BD+60-1753
	3	PSF F1550C	MIRI Coronagraphic Photometric Calibration	(2) BD+60-1753
	4	PSF F2300C	MIRI Coronagraphic Photometric Calibration	(2) BD+60-1753
	5	Commissioning - FULL frame	MIRI External Flat	NONE
2nd epoch test				
	6	Ref 1 deg F1140C	MIRI Coronagraphic Imaging	(3) BD+30-2990

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	7	Commissioning - FULL frame	MIRI External Flat	NONE
Radial Transmission (1140)				
	8	F1140C +0.5 lambda/D	MIRI External Flat	(4) HD-168267
	9	F1140C +0.75 lambda/D	MIRI External Flat	(4) HD-168267
	10	F1140C +1.0 lambda/D	MIRI External Flat	(4) HD-168267
	11	F1140C +1.5 lambda/D	MIRI External Flat	(4) HD-168267
	12	F1140C +2.0 lambda/D	MIRI External Flat	(4) HD-168267
	13	F1140C +2.5 lambda/D	MIRI External Flat	(4) HD-168267
	14	F1140C +3.0 lambda/D	MIRI External Flat	(4) HD-168267
	15	F1140C +20 Lambda/D	MIRI External Flat	(4) HD-168267
4QPM Transition (1140)				
	16	F1140C -1.0 lambda/D	MIRI External Flat	(4) HD-168267
	17	F1140C -0.5 lambda/D	MIRI External Flat	(4) HD-168267
	18	F1140C on transition	MIRI External Flat	(4) HD-168267
	19	F1140C +0.5 lambda/D	MIRI External Flat	(4) HD-168267
	20	F1140C +1.0 lambda/D	MIRI External Flat	(4) HD-168267
Radial Transmission (1065)				
	21	F1065C +0.5 lambda/D	MIRI External Flat	(4) HD-168267
	22	F1065C +0.75 lambda/D	MIRI External Flat	(4) HD-168267
	23	F1065C +1.0 lambda/D	MIRI External Flat	(4) HD-168267
	24	F1065C +1.5 lambda/D	MIRI External Flat	(4) HD-168267
	25	F1065C +2.0 lambda/D	MIRI External Flat	(4) HD-168267
	26	F1065C +2.5 lambda/D	MIRI External Flat	(4) HD-168267
	27	F1065C +3.0 lambda/D	MIRI External Flat	(4) HD-168267
	28	F1065C +20 lambda/D	MIRI External Flat	(4) HD-168267
4QPM Transition (1065)				
	29	F1065C -1.0 lambda/D	MIRI External Flat	(4) HD-168267
	30	F1065C -0.5 lambda/D	MIRI External Flat	(4) HD-168267
	31	F1065C on transition	MIRI External Flat	(4) HD-168267

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	32	F1065C +0.5 lambda/D	MIRI External Flat	(4) HD-168267
	33	F1065C +1.0 lambda/D	MIRI External Flat	(4) HD-168267
Radial Transmission (1550)				
	34	F1550C +0.5 lambda/D	MIRI External Flat	(4) HD-168267
	35	F1550C +0.75 lambda/D	MIRI External Flat	(4) HD-168267
	36	F1550C +1.0 lambda/D	MIRI External Flat	(4) HD-168267
	37	F1550C +1.5 lambda/D	MIRI External Flat	(4) HD-168267
	38	F1550C +2.0 lambda/D	MIRI External Flat	(4) HD-168267
	39	F1550C +2.5 lambda/D	MIRI External Flat	(4) HD-168267
	40	F1550C +3.0 lambda/D	MIRI External Flat	(4) HD-168267
	41	F1550C +20 lambda/D	MIRI External Flat	(4) HD-168267
4QPM Transition (1550)				
	42	F1550C -1.0 lambda/D	MIRI External Flat	(4) HD-168267
	43	F1550C -0.5 lambda/D	MIRI External Flat	(4) HD-168267
	44	F1550C on transition	MIRI External Flat	(4) HD-168267
	45	F1550C +0.5 lambda/D	MIRI External Flat	(4) HD-168267
	46	F1550C +1.0 lambda/D	MIRI External Flat	(4) HD-168267
	47	Commissioning - FULL frame	MIRI External Flat	NONE
Centres test 1				
	48	Background	MIRI Coronagraphic Imaging	(7) HD-92209-BACKGROUND
	49	Offset 1 UL	MIRI Coronagraphic Imaging	(10) HD-92209
	50	Offset 2 UR	MIRI Coronagraphic Imaging	(10) HD-92209
	51	Offset 3 LL	MIRI Coronagraphic Imaging	(10) HD-92209
	52	Offset 4 LR	MIRI Coronagraphic Imaging	(10) HD-92209
	53	centered SGD	MIRI Coronagraphic Imaging	(10) HD-92209
	54	Commissioning - FULL frame	MIRI External Flat	NONE
Centres test 2				
	60	Background	MIRI Coronagraphic Imaging	(7) HD-92209-BACKGROUND
	61	centered SGD	MIRI Coronagraphic Imaging	(10) HD-92209
	62	Off-axis image	MIRI External Flat	(11) HD-92209-COPY

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	63	Commissioning - FULL frame	MIRI External Flat	NONE
Centres test 3				
	64	Background - F1065C	MIRI External Flat	(7) HD-92209-BACKGROUND
	65	Background - F1140C	MIRI External Flat	(7) HD-92209-BACKGROUND
	66	Background - F1550C	MIRI External Flat	(7) HD-92209-BACKGROUND
	67	Background - F2300C	MIRI External Flat	(7) HD-92209-BACKGROUND
	68	4QPM - F1065C	MIRI Coronagraphic Imaging	(11) HD-92209-COPY
	69	4QPM - F1550C	MIRI Coronagraphic Imaging	(11) HD-92209-COPY
	70	Lyot - F2300C - Center	MIRI Coronagraphic Imaging	(11) HD-92209-COPY
	71	Lyot - F2300C - UL	MIRI External Flat	(11) HD-92209-COPY
	72	Lyot - F2300C - UR	MIRI External Flat	(11) HD-92209-COPY
	73	Lyot - F2300C - LL	MIRI External Flat	(11) HD-92209-COPY
	74	Lyot - F2300C - LR	MIRI External Flat	(11) HD-92209-COPY
	75	Commissioning - FULL frame	MIRI External Flat	(11) HD-92209-COPY
Centres test 4				
	76	Background - F1065C	MIRI External Flat	(7) HD-92209-BACKGROUND
	77	4QPM - F1065C	MIRI Coronagraphic Imaging	(11) HD-92209-COPY
	78	Commissioning - FULL frame	MIRI External Flat	(11) HD-92209-COPY
TA Quadrant 4 test				
	80	Background - F1065C	MIRI External Flat	(7) HD-92209-BACKGROUND
	81	Background - F1140C	MIRI External Flat	(7) HD-92209-BACKGROUND
	82	Background - F1550C	MIRI External Flat	(7) HD-92209-BACKGROUND
	83	Background - F2300C	MIRI External Flat	(7) HD-92209-BACKGROUND
	84	4QPM - F1065C	MIRI Coronagraphic Imaging	(11) HD-92209-COPY
	85	4QPM - F1140C - Roll 1	MIRI Coronagraphic Imaging	(10) HD-92209
	86	4QPM - F1140C - Roll 2	MIRI Coronagraphic Imaging	(10) HD-92209
	87	4QPM - F1140C Reference	MIRI Coronagraphic Imaging	(10) HD-92209
	88	4QPM - F1550C	MIRI Coronagraphic Imaging	(11) HD-92209-COPY

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	89	Lyot - F2300C - Center	MIRI Coronagraphic Imaging	(11) HD-92209-COPY
	90	Commissioning - FULL frame	MIRI External Flat	(11) HD-92209-COPY

ABSTRACT

The primary purpose of this is CAR is to characterize the out of mask PSF for the 10.65, 11.4, and 15.5 micron 4 quadrant phase mask (4QPM) coronagraphs, and the 23 micron Lyot coronagraph to be able to calibrate the companions of stars (e.g. planets). This CAR can be divided into four parts as follows.

Part A – PSF characterization – aims to provide a photometric calibration allowing to convert counts to intensity units, characterize the shape of the out of mask PSF as well as provide data for cross instrument photometric calibration. The PSF will be evaluated in each of the 4 quadrants of the 4QPM and the Lyot using the APTs coronagraphic photometric calibration template . This templates uses 4 field points images (See Figure 1), each with a sub-dither pattern of 4 points (identical to the short wavelength imager 4-point pattern). The target star used for the PSF characterization is CAR - BD+60-1753 - a JWST calibrator that is also used in the imager CAR-011 for cross calibration purposes.

Part B – Second epoch reference test - aims to measure a reference star identically to how it is observed in CAR-050 the coronagraphic contrast CAR. This test is to see whether it is possible to use reference subtraction from stars taken at different epochs to the primary coronagraph observation. This will gauge whether it absolutely necessary to take a reference observation at the same time as the observation where changes in the telescope background are likely to have the biggest impact on these results. For this test we take the observation of a reference and 1 degree with the filter F1140C and the target BD+30 2990 which will also used for the subsequent parts of the CAR.

In part C – Radial transmission – aims to measure the radial transmission out from the centre of the 4QPMs and the Lyot mask (see Figure 1) i.e. to measure the attenuation near the centre of the masks for planets detected close to the centre of the coronagraph (See Figure 2). For this we will obtain images at 0.5, 0.75, 1, 1.5, 2, 2.5, 3 and 20 lambda/D from the centre of the 4QPM, in each filter (F1065C, F1140C, F1550C). We will not measure the radial transmission of the Lyot mask at this time, see comments below. The offsets used to define these positions are in the tables at the end of the document. For the 4QPM the offsets are made at 45 degrees with respect to the 4QPM quadrants (i.e. 45 degrees + 4.56 degrees) to avoid the 4QPM transitions between quadrants.

In part D – 4QPM transition – in order to properly calibrate the 4QPMs we will measure the transition attenuation from the mask at the join between

individual quadrants, again see Figure 1. This is needed to properly calibrate the flux of a planet, or disk, that is detected close to these transitions. For this we will obtain images of the star located on one of the transition and at each side at 0.5 and 1 lambda/D from the transition, again for each filter (F1065C, F1140C, F1550C).

Obs60-63 added with approval of project management during meeting 3 of AR-1192 (31/05/2022)

Obs 80-90 added by J. Aguilar post-commissioning to: 1) characterize Quadrant 4 target acquisition prior to executing science programs 2) execute roll angle between science exposures, as recommended, and 3) execute automatic background-linked subtraction

OBSERVING DESCRIPTION
P177D is a backup target taken from the JWST list of flux calibrators.

All the data is taken with inegrations of 100 groups as ramps of this length and above are thought to be the easiest to calibrate. Also keeping the the integration length the same throughout the CAR allows us to cross reference data between different observations.

PSF CHARECTERISATION
Measuring the PSF outside of the coronagragh centre for a photometric standard star.
Using the photometric calibration template. This is a set template of 16 points where multiple sets can be requested. We choose to aquire data with multiple exposures rather than multiple sets as this is much more effecient in overheads from the use of SAMs.

S/N calculated for the peak of the PSF from the ETC for target star P330E.
F1065C = 332 (combined 16 dither positions - 384s)
F1140C = 278 (combined 16 dither positions - 384s)
F1550C = 68 (combined 16 dither positions - 384s)
F2300C = 10 (combined 16 dither positions- 34 mins)

Note, as for other MIRI photometric calibration CARs we chose to use single integration exposures to avoid any calibration errors from multiple integration exposures in the MIRI pipeline. This choice does result in an extra overhead from the extra exposures it requires, although having to take multiple exposures is limited in this car where we use it in Observation 1 and 4 only.

The Radial transmission and 4QPM transition observations both require offsets from the coronagraph centers. At the moment, there is no way to implement this in the APT with either the coronagraph template or coronagraph photometric calibration template. We do not want to perform TA for each position as required in the standard MIRI coronagraphic template, just at the start of the activity. The only template that allows us to do this in the current version of the APT is the external flat template. Therefore, the radial transmission and 4QPM transition parts are currently implemented with the external flat template.

Additionally, because we want to set a different offset for each exposure we need to have a new visit for each position when using the external flat template. Therefore, we get charged a guide star acquisition of 282 seconds with each visit. For this program we calculate that this adds approximately 2.6 hours of unnecessary guide star acquisitions charged.

In the radial transition test for the Lyot mask, these observations are taken with 10 integrations and not 10 single integrations exposures as we would want. This is because the template does not allow us to change the number of exposures in the lamp off observation without changing the lamp on setting, which give a larger overhead.

RADIAL TRANSMISSION
For the radial transmission of the 4QPMs we aim to obtain images at 0.5, 0.75, 1, 1.5, 2, 2.5 and 3 lambda/D from the center, in each filters (F1065C, F1140C, F1550C). Un-attenuated PSF images will be obtained from the previous observation PSF charecterisation, which observes the same target. The integration times between these observations must be equivalent to aid the comparisson.

All the radio transmission observations are taken in a non-interuptibel sequence for each coronagraphic filter.

Radial Transmission calculated S/N for the peak of the PSF from the ETC for target star P330E. ETC extraction aperture = 0.3"
F1065C = 83/15 (furthest to center/closest to center)
F1140C = 69/12
F1550C = 17/8.5
F2300C = not done at this time

4QPM TRANSITION

4QPM Transition S/N for the peak of the PSF from the ETC for target star P330E. ETC extraction aperture = 0.3"
F1065C = 93/18 (furthest from transition/closest to transition)
F1140C = 79/15
F1550C = 20/6

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 5.378188714184178E-4 sec of time/yr Proper Motion Dec: 0.0018089999999999998 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[A dwarfs]*				
(3)	BD+30-2990	RA: 17 27 24.7555 (261.8531479d) Dec: +30 06 21.89 (30.10608d) Equinox: J2000	Proper Motion RA: -6.57343499159396E-5 sec of time/yr Proper Motion Dec: -0.022812000020167034 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[B stars, K stars]*				
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[K stars]*				
(7)	HD-92209-BACKGROUND	RA: 10 36 17.0000 (159.0708333d) Dec: -76 24 2.80 (-76.40078d) Equinox: J2000	Proper Motion RA: -0.00702400351381754 sec of time/yr Proper Motion Dec: 0.0012909999999999998 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Calibration* *Description=[Telescope/sky background]*				
(10)	HD-92209	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[K stars]*				
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[K stars]*				
(12)	HD-158165	RA: 17 26 27.0435 (261.6126813d) Dec: +30 48 15.54 (30.80432d) Equinox: J2000	Proper Motion RA: -3.831161909098812E-4 sec of time/yr Proper Motion Dec: -4.230000286042923E-4 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[K stars]*				

	(13)	HD-163113	RA: 17 52 42.3702 (268.1765425d) Dec: +38 49 14.21 (38.82061d) Equinox: J2000	Proper Motion RA: -3.3337078016795854E-4 sec of time/yr Proper Motion Dec: -0.0024669999675097642 arcsec/yr Epoch of Position: 2015.5
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[K stars]*			
	(14)	HD-158165-BACKGROUND	RA: 17 26 39.2858 (261.6636908d) Dec: +30 50 39.78 (30.84438d) Equinox: J2000	Proper Motion RA: -3.831161909098812E-4 sec of time/yr Proper Motion Dec: -4.230000286042923E-4 arcsec/yr Epoch of Position: 2015.5
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[K stars]*			
	(15)	HD-163113-BACKGROUND	RA: 17 53 3.3712 (268.2640467d) Dec: +38 52 1.09 (38.86697d) Equinox: J2000	Proper Motion RA: -3.3337078016795854E-4 sec of time/yr Proper Motion Dec: -0.0024669999675097642 arcsec/yr Epoch of Position: 2015.5
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[K stars]*			

Observation

Proposal 1045, Observation 1: PSF F1065C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Photometric Calibration

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 5.378188714184178E-4 sec of time/yr Proper Motion Dec: 0.0018089999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[A dwarfs]

Template

Subarray
MASK1065

Dithers

#	Starting Set	Number of Sets	Optimized For	Direction
1	1	1	POINT SOURCE	POSITIVE

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1065C	FASTR1	25	1	1	4	4	23.968	

Special Requirements

No Parallel

Sequence Observations 1, 2, 3, 4, 5, Non-interruptible

Observation

Proposal 1045, Observation 2: PSF F1140C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Photometric Calibration

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 5.378188714184178E-4 sec of time/yr Proper Motion Dec: 0.0018089999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[A dwarfs]

Template

Subarray
MASK1140

Dithers

#	Starting Set	Number of Sets	Optimized For	Direction
1	1	1	POINT SOURCE	POSITIVE

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1140C	FASTR1	27	1	1	4	4	25.885	

Special Requirements

No Parallel

Sequence Observations 1, 2, 3, 4, 5, Non-interruptible

Observation

Proposal 1045, Observation 3: PSF F1550C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Photometric Calibration

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 5.378188714184178E-4 sec of time/yr Proper Motion Dec: 0.0018089999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[A dwarfs]

Template

Subarray
MASK1550

Dithers

#	Starting Set	Number of Sets	Optimized For	Direction
1	1	1	POINT SOURCE	POSITIVE

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F1550C	FASTR1	100	1	1	4	4	95.872	

Special Requirements

No Parallel

Sequence Observations 1, 2, 3, 4, 5, Non-interruptible

Observation

Proposal 1045, Observation 4: PSF F2300C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Photometric Calibration

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	BD+60-1753	RA: 17 24 52.2856 (261.2178567d) Dec: +60 25 50.81 (60.43078d) Equinox: J2000	Proper Motion RA: 5.378188714184178E-4 sec of time/yr Proper Motion Dec: 0.0018089999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[A dwarfs]

Template

Subarray
MASKLYOT

Dithers

#	Starting Set	Number of Sets	Optimized For	Direction
1	1	1	POINT SOURCE	POSITIVE

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F2300C	FASTR1	50	5	4	4	80	1316.736	

Special Requirements

No Parallel

Sequence Observations 1, 2, 3, 4, 5, Non-interruptible

Observation

Proposal 1045, Observation 5: Commissioning - FULL frame Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: Visit to leave the imager in full frame mode at the end of this CAR. Necessary to minimise the impacts of sub-array imprints on subsequent MIRI imager CARs.

Diagnostics

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

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	FULL

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F2300C			FASTR1	4	1	1	1	1	11.1	

Special Requirements

No Parallel

Sequence Observations 1, 2, 3, 4, 5, Non-interruptible

Observation

Proposal 1045, Observation 6: Ref 1 deg F1140C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	BD+30-2990	RA: 17 27 24.7555 (261.8531479d) Dec: +30 06 21.89 (30.10608d) Equinox: J2000	Proper Motion RA: -6.57343499159396E-5 sec of time/yr Proper Motion Dec: -0.022812000020167034 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[B stars, K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	1	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	9-POINT-SMALL-GRID

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	21	1	9	189	4573.094	

PSF References

PSF Reference: true

Special Requirements	
	No Parallel Sequence Observations 6, 7, Non-interruptible

Observation

Proposal 1045, Observation 7: Commissioning - FULL frame Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: Visit to leave the imager in full frame mode at the end of this CAR. Necessary to minimise the impacts of sub-array imprints on subsequent MIRI imager CARs.

Diagnostics

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

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	FULL

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	4	1	1	1	1	11.1	

Special Requirements

No Parallel

Sequence Observations 6, 7, Non-interruptible

Observation

Proposal 1045, Observation 8: F1140C +0.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	16	1	1	16	41.944	

Special Requirements

Offset 0.138 arcsec, 0.117 arcsec
No Parallel

Sequence Observations 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, Non-interruptible

Observation

Proposal 1045, Observation 9: F1140C +0.75 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	15	1	1	15	39.308	

Special Requirements

Offset 0.206 arcsec, 0.176 arcsec
No Parallel

Sequence Observations 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, Non-interruptible

Observation

Proposal 1045, Observation 10: F1140C +1.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	7	1	1	7	18.216	

Special Requirements

Offset 0.275 arcsec, 0.235 arcsec
No Parallel

Sequence Observations 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, Non-interruptible

Observation

Proposal 1045, Observation 11: F1140C +1.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	3	1	1	3	7.67	

Special Requirements

Offset 0.413 arcsec, 0.352 arcsec
No Parallel

Sequence Observations 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, Non-interruptible

Observation

Proposal 1045, Observation 12: F1140C +2.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	3	1	1	3	7.67	

Special Requirements

Offset 0.551 arcsec, 0.469 arcsec
No Parallel

Sequence Observations 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, Non-interruptible

Observation

Proposal 1045, Observation 13: F1140C +2.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	3	1	1	3	7.67	

Special Requirements

Offset 0.688 arcsec, 0.587 arcsec
No Parallel

Sequence Observations 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, Non-interruptible

Observation

Proposal 1045, Observation 14: F1140C +3.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	3	1	1	3	7.67	

Special Requirements

Offset 0.826 arcsec, 0.704 arcsec
No Parallel

Sequence Observations 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, Non-interruptible

Observation

Proposal 1045, Observation 15: F1140C +20 Lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	2	1	1	2	5.033	

Special Requirements

Offset 5.507 arcsec, 4.693 arcsec
No Parallel

Sequence Observations 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, Non-interruptible

Observation

Proposal 1045, Observation 16: F1140C -1.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.116 arcsec, 6.01 arcsec
No Parallel

Sequence Observations 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, Non-interruptible

Observation

Proposal 1045, Observation 17: F1140C -0.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.297 arcsec, 5.995 arcsec
No Parallel

Sequence Observations 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, Non-interruptible

Observation

Proposal 1045, Observation 18: F1140C on transition

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.477 arcsec, 5.981 arcsec
No Parallel

Sequence Observations 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, Non-interruptible

Observation

Proposal 1045, Observation 19: F1140C +0.5 lambda/D Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.657 arcsec, 5.967 arcsec
No Parallel

Sequence Observations 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, Non-interruptible

Observation

Proposal 1045, Observation 20: F1140C +1.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.838 arcsec, 5.952 arcsec
No Parallel

Sequence Observations 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, Non-interruptible

Observation

Proposal 1045, Observation 21: F1065C +0.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	10	16	1	1	16	41.944	

Special Requirements

Offset 0.129 arcsec, 0.11 arcsec
No Parallel

Sequence Observations 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, Non-interruptible

Observation

Proposal 1045, Observation 22: F1065C +0.75 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	10	15	1	1	15	39.308	

Special Requirements

Offset 0.193 arcsec, 0.164 arcsec
No Parallel

Sequence Observations 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, Non-interruptible

Observation

Proposal 1045, Observation 23: F1065C +1.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	10	7	1	1	7	18.216	

Special Requirements

Offset 0.257 arcsec, 0.219 arcsec
No Parallel

Sequence Observations 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, Non-interruptible

Observation

Proposal 1045, Observation 24: F1065C +1.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	10	3	1	1	3	7.67	

Special Requirements

Offset 0.386 arcsec, 0.329 arcsec
No Parallel

Sequence Observations 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, Non-interruptible

Observation

Proposal 1045, Observation 25: F1065C +2.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	10	3	1	1	3	7.67	

Special Requirements

Offset 0.514 arcsec, 0.438 arcsec
No Parallel

Sequence Observations 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, Non-interruptible

Observation

Proposal 1045, Observation 26: F1065C +2.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	10	3	1	1	3	7.67	

Special Requirements

Offset 0.643 arcsec, 0.548 arcsec
No Parallel

Sequence Observations 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, Non-interruptible

Observation

Proposal 1045, Observation 27: F1065C +3.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	10	3	1	1	3	7.67	

Special Requirements

Offset 0.722 arcsec, 0.658 arcsec
No Parallel

Sequence Observations 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, Non-interruptible

Observation

Proposal 1045, Observation 28: F1065C +20 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	10	2	1	1	2	5.033	

Special Requirements

Offset 5.144 arcsec, 4.384 arcsec
No Parallel

Sequence Observations 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, Non-interruptible

Observation

Proposal 1045, Observation 29: F1065C -1.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.14 arcsec, 6.008 arcsec
No Parallel

Sequence Observations 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, Non-interruptible

Observation

Proposal 1045, Observation 30: F1065C -0.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.309 arcsec, 5.994 arcsec
No Parallel

Sequence Observations 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, Non-interruptible

Observation

Proposal 1045, Observation 31: F1065C on transition

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.477 arcsec, 5.981 arcsec
No Parallel

Sequence Observations 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, Non-interruptible

Observation

Proposal 1045, Observation 32: F1065C +0.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.645 arcsec, 5.968 arcsec
No Parallel

Sequence Observations 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, Non-interruptible

Observation

Proposal 1045, Observation 33: F1065C +1.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.814 arcsec, 5.954 arcsec
No Parallel

Sequence Observations 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, Non-interruptible

Observation

Proposal 1045, Observation 34: F1550C +0.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	20	22	10	1	220	1104.925	

Special Requirements

Offset 0.187 arcsec, 0.16 arcsec
No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 35: F1550C +0.75 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	20	20	4	1	80	401.704	

Special Requirements

Offset 0.281 arcsec, 0.239 arcsec
No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 36: F1550C +1.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	20	4	2	1	8	39.787	

Special Requirements

Offset 0.374 arcsec, 0.319 arcsec
No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 37: F1550C +1.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	20	4	1	1	4	19.893	

Special Requirements

Offset 0.562 arcsec, 0.479 arcsec
No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 38: F1550C +2.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	20	3	1	1	3	14.86	

Special Requirements

Offset 0.749 arcsec, 0.638 arcsec
No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 39: F1550C +2.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	20	2	1	1	2	9.827	

Special Requirements

Offset 0.936 arcsec, 0.798 arcsec
No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 40: F1550C +3.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	20	2	1	1	2	9.827	

Special Requirements

Offset 1.123 arcsec, 0.957 arcsec
No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 41: F1550C +20 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	20	2	1	1	2	9.827	

Special Requirements

Offset 7.487 arcsec, 6.381 arcsec
No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 42: F1550C -1.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset -0.013 arcsec, 6.02 arcsec
No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 43: F1550C -0.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.232 arcsec, 6.001 arcsec
No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 44: F1550C on transition

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.477 arcsec, 5.981 arcsec
No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 45: F1550C +0.5 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.722 arcsec, 5.961 arcsec
No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 46: F1550C +1.0 lambda/D

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: In the future the imager template in engineering mode should give one the possibility of using all filters/subarrays and so the offsets can be easily defined there. Here we use the imager template with the sub-array 256 to get an estimate of the time allocation needed.

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
(4)	HD-168267	RA: 18 14 12.2550 (273.5510625d) Dec: +64 45 8.76 (64.75243d) Equinox: J2000	Proper Motion RA: -4.3357604142812707E-4 sec of time/yr Proper Motion Dec: 0.018403 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	10	5	1	1	5	12.943	

Special Requirements

Offset 0.967 arcsec, 5.942 arcsec
No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 47: Commissioning - FULL frame Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: Visit to leave the imager in full frame mode at the end of this CAR. Necessary to minimise the impacts of sub-array imprints on subsequent MIRI imager CARs.

Diagnostics

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

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	FULL

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	4	1	1	1	1	11.1	

Special Requirements

No Parallel

Sequence Observations 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, Non-interruptible

Observation

Proposal 1045, Observation 48: Background

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Background Observation For: []

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
(7)	HD-92209-BACKGROUND	RA: 10 36 17.0000 (159.0708333d) Dec: -76 24 2.80 (-76.40078d) Equinox: J2000	Proper Motion RA: -0.00702400351381754 sec of time/yr Proper Motion Dec: 0.0012909999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Calibration
Description=[Telescope/sky background]

Acquisition

#	Target	Quadrant
1	NONE	1

Template

AcqFilter	Repeat observation
FND	NO

Dithers

#	Dither Type
1	NONE

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	10	1	1	10	241.837	

PSF References

Additional Justification: false

Special Requirements	No Parallel

Observation

Proposal 1045, Observation 49: Offset 1 UL

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Background Observations:[]

Diagnostics

(Offset 1 UL (Obs 49)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	HD-92209	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	4	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	NONE

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	10	1	1	10	241.837	

PSF References

PSF Reference: true

Special Requirements	Offset 0.1614 arcsec, 0.1655 arcsec No Parallel

Observation

Proposal 1045, Observation 50: Offset 2 UR

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Background Observations:[]

Diagnostics

(Offset 2 UR (Obs 50)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	HD-92209	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	3	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	NONE

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	10	1	1	10	241.837	

PSF References

PSF Reference: true

Special Requirements	Offset 0.2216 arcsec, 0.1655 arcsec No Parallel

Observation

Proposal 1045, Observation 51: Offset 3 LL

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Background Observations:[]

Diagnostics

(Offset 3 LL (Obs 51)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	HD-92209	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	2	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	NONE

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	10	1	1	10	241.837	

PSF References

PSF Reference: true

Special Requirements	Offset 0.1611 arcsec, 0.1052 arcsec No Parallel

Observation

Proposal 1045, Observation 52: Offset 4 LR

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Background Observations:[]

Diagnostics

(Offset 4 LR (Obs 52)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	HD-92209	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	1	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	NONE

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	10	1	1	10	241.837	

PSF References

PSF Reference: true

Special Requirements	Offset 0.2214 arcsec, 0.1052 arcsec No Parallel

Observation

Proposal 1045, Observation 53: centered SGD

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Background Observations:[]

Diagnostics

(centered SGD (Obs 53)) Warning (Form): This target should have similar background exposures that are linked in a non-interruptible sequence.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	HD-92209	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	1	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	5-POINT-SMALL-GRID

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	10	1	5	50	1209.186	

PSF References

PSF Reference: true

Special Requirements	Offset 0.1914 arcsec, 0.1353 arcsec No Parallel

Observation

Proposal 1045, Observation 54: Commissioning - FULL frame Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: Visit to leave the imager in full frame mode at the end of this CAR. Necessary to minimise the impacts of sub-array imprints on subsequent MIRI imager CARs.

Diagnostics

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

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	FULL

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	4	1	1	1	1	11.1	

Special Requirements

No Parallel

Observation

Proposal 1045, Observation 60: Background

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Background Observation For: [centered SGD (Obs 61)]

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
(7)	HD-92209-BACKGROUND	RA: 10 36 17.0000 (159.0708333d) Dec: -76 24 2.80 (-76.40078d) Equinox: J2000	Proper Motion RA: -0.00702400351381754 sec of time/yr Proper Motion Dec: 0.0012909999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Calibration
Description=[Telescope/sky background]

Acquisition

#	Target	Quadrant
1	NONE	1

Template

AcqFilter	Repeat observation
FND	NO

Dithers

#	Dither Type
1	NONE

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	10	1	1	10	241.837	

PSF References

Additional Justification: false

Special Requirements	
	No Parallel Sequence Observations 60, 61, 62, 63, Non-interruptible

Observation

Proposal 1045, Observation 61: centered SGD

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Background Observations:[Background (Obs 60)]

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
(10)	HD-92209	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	1	FAST	8	1	1	1.917	0000

Template

Repeat observation
YES

Dithers

#	Dither Type
1	9-POINT-SMALL-GRID

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	10	1	9	90	2176.534	

PSF References

PSF Reference: true

Special Requirements	
	Offset 0.2185 arcsec, 0.1273 arcsec No Parallel Sequence Observations 60, 61, 62, 63, Non-interruptible

Observation

Proposal 1045, Observation 62: Off-axis image

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

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
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	true	OFF ONLY	0	MASK1140

Dithers

#	Dither Type	Optimized For	Direction	Starting Set	Number of Sets
1	4-Point-Sets	POINT SOURCE	POSITIVE	1	1

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	10	25	1	4	100	262.689	

Special Requirements

Offset 5.0 arcsec, 5.0 arcsec
No Parallel

Sequence Observations 60, 61, 62, 63, Non-interruptible

Observation

Proposal 1045, Observation 63: Commissioning - FULL frame Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: Visit to leave the imager in full frame mode at the end of this CAR. Necessary to minimise the impacts of sub-array imprints on subsequent MIRI imager CARs.

Diagnostics

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

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	FULL

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	4	1	1	1	1	11.1	

Special Requirements

No Parallel

Sequence Observations 60, 61, 62, 63, Non-interruptible

Observation

Proposal 1045, Observation 64: Background - F1065C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Background Observation For: []

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
(7)	HD-92209-BACKGROUND	RA: 10 36 17.0000 (159.0708333d) Dec: -76 24 2.80 (-76.40078d) Equinox: J2000	Proper Motion RA: -0.00702400351381754 sec of time/yr Proper Motion Dec: 0.0012909999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Calibration
Description=[Telescope/sky background]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	true	OFF ONLY	0	MASK1065

Dithers

#	Dither Type	Optimized For	Direction	Starting Set	Number of Sets
1	4-Point-Sets	POINT SOURCE	POSITIVE	5	1

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	100	21	1	4	84	2032.486	

Special Requirements

No Parallel

Observation

Proposal 1045, Observation 65: Background - F1140C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Background Observation For: []

Diagnostics

(Visit 65:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	HD-92209-BACKGROUND	RA: 10 36 17.0000 (159.0708333d) Dec: -76 24 2.80 (-76.40078d) Equinox: J2000	Proper Motion RA: -0.00702400351381754 sec of time/yr Proper Motion Dec: 0.0012909999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Calibration
Description=[Telescope/sky background]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	true	OFF ONLY	0	MASK1140

Dithers

#	Dither Type	Optimized For	Direction	Starting Set	Number of Sets
1	4-Point-Sets	POINT SOURCE	POSITIVE	5	1

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	100	21	1	4	84	2032.486	

Special Requirements

No Parallel

Observation

Proposal 1045, Observation 66: Background - F1550C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Background Observation For: []

Diagnostics

(Visit 66:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	HD-92209-BACKGROUND	RA: 10 36 17.0000 (159.0708333d) Dec: -76 24 2.80 (-76.40078d) Equinox: J2000	Proper Motion RA: -0.00702400351381754 sec of time/yr Proper Motion Dec: 0.0012909999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Calibration
Description=[Telescope/sky background]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	true	OFF ONLY	0	MASK1550

Dithers

#	Dither Type	Optimized For	Direction	Starting Set	Number of Sets
1	4-Point-Sets	POINT SOURCE	POSITIVE	5	1

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	100	32	1	4	128	3097.624	

Special Requirements

No Parallel

Observation

Proposal 1045, Observation 67: Background - F2300C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Background Observation For: []

Diagnostics

(Visit 67:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	HD-92209-BACKGROUND	RA: 10 36 17.0000 (159.0708333d) Dec: -76 24 2.80 (-76.40078d) Equinox: J2000	Proper Motion RA: -0.00702400351381754 sec of time/yr Proper Motion Dec: 0.0012909999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Calibration
Description=[Telescope/sky background]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	true	OFF ONLY	0	MASKLYOT

Dithers

#	Dither Type	Optimized For	Direction	Starting Set	Number of Sets
1	4-Point-Sets	POINT SOURCE	POSITIVE	5	1

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F2300C			FASTR1	100	37	1	4	148	4841.856	

Special Requirements

No Parallel

Observation

Proposal 1045, Observation 68: 4QPM - F1065C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Diagnostics

(Visit 68:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	1	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	9-POINT-SMALL-GRID

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1065C	4QPM	F1065C	FASTR1	100	21	1	9	189	4573.094	

PSF References

PSF Reference: true

Special Requirements	Offset 0.198 arcsec, 0.176 arcsec No Parallel

Observation

Proposal 1045, Observation 69: 4QPM - F1550C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Diagnostics

(Visit 69:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	1	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	9-POINT-SMALL-GRID

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1550C	4QPM	F1550C	FASTR1	100	32	1	9	288	6969.655	

PSF References

PSF Reference: true

Special Requirements	Offset 0.232 arcsec, 0.154 arcsec No Parallel

Observation

Proposal 1045, Observation 70: Lyot - F2300C - Center

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Diagnostics

(Visit 70:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	1	FAST	8	1	1	2.592	00000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	NONE

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	LYOT/F2300C	LYOT	F2300C	FASTR1	100	37	1	1	37	1210.464	

PSF References

Additional Justification: false

Special Requirements	Offset 0.2 arcsec, 0.155 arcsec No Parallel

Observation

Proposal 1045, Observation 71: Lyot - F2300C - UL

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Diagnostics

(Visit 71:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASKLYOT

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F2300C			FASTR1	100	37	1	1	37	1210.464	

Special Requirements

Offset -0.346 arcsec, 0.703 arcsec
No Parallel

Observation

Proposal 1045, Observation 72: Lyot - F2300C - UR

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Diagnostics

(Visit 72:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASKLYOT

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F2300C			FASTR1	100	37	1	1	37	1210.464	

Special Requirements

Offset 0.752 arcsec, 0.708 arcsec
No Parallel

Observation

Proposal 1045, Observation 73: Lyot - F2300C - LL

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Diagnostics

(Visit 73:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASKLYOT

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F2300C			FASTR1	100	37	1	1	37	1210.464	

Special Requirements

Offset -0.352 arcsec, -0.399 arcsec
No Parallel

Observation

Proposal 1045, Observation 74: Lyot - F2300C - LR

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Diagnostics

(Visit 74:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASKLYOT

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F2300C			FASTR1	100	37	1	1	37	1210.464	

Special Requirements

Offset 0.745 arcsec, -0.394 arcsec
No Parallel

Observation

Proposal 1045, Observation 75: Commissioning - FULL frame

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: Visit to leave the imager in full frame mode at the end of this CAR. Necessary to minimise the impacts of sub-array imprints on subsequent MIRI imager CARs.

Diagnostics

(Visit 75:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	FULL

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F560W			FASTR1	4	1	1	1	1	11.1	

Special Requirements

No Parallel

Observation

Proposal 1045, Observation 76: Background - F1065C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Background Observation For: []

Diagnostics

(Visit 76:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	HD-92209-BACKGROUND	RA: 10 36 17.0000 (159.0708333d) Dec: -76 24 2.80 (-76.40078d) Equinox: J2000	Proper Motion RA: -0.00702400351381754 sec of time/yr Proper Motion Dec: 0.0012909999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Calibration
Description=[Telescope/sky background]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	true	OFF ONLY	0	MASK1065

Dithers

#	Dither Type	Optimized For	Direction	Starting Set	Number of Sets
1	4-Point-Sets	POINT SOURCE	POSITIVE	5	1

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	100	21	1	4	84	2032.486	

Special Requirements

No Parallel

Observation

Proposal 1045, Observation 77: 4QPM - F1065C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Diagnostics

(Visit 77:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	1	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	9-POINT-SMALL-GRID

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1065C	4QPM	F1065C	FASTR1	100	21	1	9	189	4573.094	

PSF References

PSF Reference: true

Special Requirements	Offset 0.198 arcsec, 0.176 arcsec No Parallel

Observation

Proposal 1045, Observation 78: Commissioning - FULL frame

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: Visit to leave the imager in full frame mode at the end of this CAR. Necessary to minimise the impacts of sub-array imprints on subsequent MIRI imager CARs.

Diagnostics

(Visit 78:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	FULL

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F560W			FASTR1	4	1	1	1	1	11.1	

Special Requirements

No Parallel

Observation

Proposal 1045, Observation 80: Background - F1065C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Background Observation For: []

Diagnostics

(Visit 80:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	HD-92209-BACKGROUND	RA: 10 36 17.0000 (159.0708333d) Dec: -76 24 2.80 (-76.40078d) Equinox: J2000	Proper Motion RA: -0.00702400351381754 sec of time/yr Proper Motion Dec: 0.0012909999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Calibration
Description=[Telescope/sky background]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1065

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1065C			FASTR1	100	21	1	1	21	508.122	

Special Requirements

No Parallel

Observation

Proposal 1045, Observation 81: Background - F1140C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Background Observation For: [4QPM - F1140C - Roll 1 (Obs 85), 4QPM - F1140C - Roll 2 (Obs 86), 4QPM - F1140C Reference (Obs 87)]

Diagnostics

(Visit 81:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	HD-92209-BACKGROUND	RA: 10 36 17.0000 (159.0708333d) Dec: -76 24 2.80 (-76.40078d) Equinox: J2000	Proper Motion RA: -0.00702400351381754 sec of time/yr Proper Motion Dec: 0.0012909999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Calibration
Description=[Telescope/sky background]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1140

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1140C			FASTR1	100	21	1	1	21	508.122	

Special Requirements

No Parallel

Sequence Observations 81, 85, 86, 87, Non-interruptible

Observation

Proposal 1045, Observation 82: Background - F1550C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Background Observation For: []

Diagnostics

(Visit 82:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	HD-92209-BACKGROUND	RA: 10 36 17.0000 (159.0708333d) Dec: -76 24 2.80 (-76.40078d) Equinox: J2000	Proper Motion RA: -0.00702400351381754 sec of time/yr Proper Motion Dec: 0.0012909999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Calibration
Description=[Telescope/sky background]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASK1550

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F1550C			FASTR1	100	95	1	1	95	2299.49	

Special Requirements

No Parallel

Observation

Proposal 1045, Observation 83: Background - F2300C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Background Observation For: []

Diagnostics

(Visit 83:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	HD-92209-BACKGROUND	RA: 10 36 17.0000 (159.0708333d) Dec: -76 24 2.80 (-76.40078d) Equinox: J2000	Proper Motion RA: -0.00702400351381754 sec of time/yr Proper Motion Dec: 0.0012909999999999998 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Calibration
Description=[Telescope/sky background]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	MASKLYOT

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F2300C			FASTR1	100	90	1	1	90	2944.836	

Special Requirements

No Parallel

Observation

Proposal 1045, Observation 84: 4QPM - F1065C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Diagnostics

(Visit 84:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	4	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	5-POINT-SMALL-GRID

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1065C	4QPM	F1065C	FASTR1	100	21	1	5	105	2540.608	

PSF References

PSF Reference: true

Special Requirements	Offset 0.204 arcsec, 0.19 arcsec No Parallel

Observation

Proposal 1045, Observation 85: 4QPM - F1140C - Roll 1

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Background Observations:[Background - F1140C (Obs 81), 4QPM - F1140C - Roll 2 (Obs 86), 4QPM - F1140C Reference (Obs 87)]

Diagnostics

(Visit 85:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	HD-92209	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	4	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	NONE

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	21	1	1	21	508.122	

PSF References

4QPM - F1140C Reference (Obs 87) (PSF Reference; Filters [F1140C])

Additional Justification: false

Special Requirements	
	Offset 0.2185 arcsec, 0.1273 arcsec No Parallel Sequence Observations 81, 85, 86, 87, Non-interruptible Aperture PA Offset 86 from 85 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 1045, Observation 86: 4QPM - F1140C - Roll 2

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Background Observations:[Background - F1140C (Obs 81), 4QPM - F1140C - Roll 1 (Obs 85), 4QPM - F1140C Reference (Obs 87)]

Diagnostics

(Visit 86:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	HD-92209	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	4	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	NONE

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	21	1	1	21	508.122	

PSF References

4QPM - F1140C Reference (Obs 87) (PSF Reference; Filters [F1140C])

Additional Justification: false

Special Requirements	
	Offset 0.2185 arcsec, 0.1273 arcsec No Parallel Sequence Observations 81, 85, 86, 87, Non-interruptible Aperture PA Offset 86 from 85 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 1045, Observation 87: 4QPM - F1140C Reference

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Background Observations:[Background - F1140C (Obs 81), 4QPM - F1140C - Roll 1 (Obs 85), 4QPM - F1140C - Roll 2 (Obs 86)]

Diagnostics

(Visit 87:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(10)	HD-92209	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	4	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	5-POINT-SMALL-GRID

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1140C	4QPM	F1140C	FASTR1	100	21	1	5	105	2540.608	

PSF References

PSF Reference: true

Special Requirements	
	Offset 0.2185 arcsec, 0.1273 arcsec No Parallel Sequence Observations 81, 85, 86, 87, Non-interruptible

Observation

Proposal 1045, Observation 88: 4QPM - F1550C

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Diagnostics

(Visit 88:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	4	FAST	8	1	1	1.917	0000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	5-POINT-SMALL-GRID

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	4QPM/F1550C	4QPM	F1550C	FASTR1	100	95	1	5	475	11497.45	

PSF References

PSF Reference: true

Special Requirements	Offset 0.226 arcsec, 0.156 arcsec No Parallel

Observation

Proposal 1045, Observation 89: Lyot - F2300C - Center

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Coronagraphic Imaging

Diagnostics

(Visit 89:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Acquisition

#	Target	Filter	Quadrant	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	FND	4	FAST	8	1	1	2.592	00000

Template

Repeat observation
NO

Dithers

#	Dither Type
1	NONE

Spectral Elements

#	Coron Mask/Filter	Mask	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	LYOT/F2300C	LYOT	F2300C	FASTR1	100	90	1	1	90	2944.836	

PSF References

PSF Reference: true

Special Requirements	Offset 0.147 arcsec, 0.183 arcsec No Parallel

Observation

Proposal 1045, Observation 90: Commissioning - FULL frame

Tue Jul 05 22:00:19 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI External Flat

Comments: Visit to leave the imager in full frame mode at the end of this CAR. Necessary to minimise the impacts of sub-array imprints on subsequent MIRI imager CARs.

Diagnostics

(Visit 90:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(11)	HD-92209-COPY	RA: 10 35 24.6864 (158.8528600d) Dec: -76 18 32.24 (-76.30896d) Equinox: J2000	Proper Motion RA: -0.004774815055896478 sec of time/yr Proper Motion Dec: 0.006489 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K stars]

Template

Pointing Type	Detector	Dither	Lamp Use	Lamp On Time	Imager Subarray
PRIME	IMAGER	false	OFF ONLY	0	FULL

Spectral Elements

#	Detector	Filter	Wavelength 1 & 4	Wavelength 2 & 3	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	IMAGER	F560W			FASTR1	4	1	1	1	1	11.1	

Special Requirements

No Parallel