



1274 - Extrasolar Planet Science with JWST

Cycle: 1, Proposal Category: GTO

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Prof. Jonathan I. Lunine (PI)	Cornell University	jlunine@astro.cornell.edu
Prof. Jacob L. Bean (CoI) (Contact)	University of Chicago	jbean@astro.uchicago.edu

OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	1	HD189_F322W2	NIRCam Grism Time Series	(1) HD189733
	2	HD209_F322W2	NIRCam Grism Time Series	(2) HD209458
	3	HD209_F444W	NIRCam Grism Time Series	(2) HD209458
	4	HD149_F322W2	NIRCam Grism Time Series	(3) HD149026
	5	HD149_F444W	NIRCam Grism Time Series	(3) HD149026
	9	W19_PRISM	NIRSpec Bright Object Time Series	(10) WASP-19
	10	W77_G395	NIRSpec Bright Object Time Series	(4) WASP-77A
GJ1132_MIRI				
	12	eclipse	MIRI Low Resolution Spectroscopy	(8) GJ1132
	13	background	MIRI Low Resolution Spectroscopy	(8) GJ1132

ABSTRACT

We will observe secondary eclipses of four hot Jupiters using NIRCam to measure their thermal emission spectra.

OBSERVING DESCRIPTION

JWST Proposal 1274 (Created: Wednesday, February 1, 2023 at 12:00:27 PM Eastern Standard Time) - Overview

Time series secondary eclipse spectroscopy of transiting hot Jupiters using the NIRCcam slitless grism mode. We use both filters for the longwave grism for all targets except HD189733b, which we only target with the F322W2 filter. Integration times are chosen to keep the counts near 55% the full well depth. We plan 15 minutes of burn in to let the detectors settle and do two hours before and after eclipse to establish the baseline and enable decorrelation of systematics. Simultaneous photometry with the shortwave channel is also obtained.

Proposal 1274 - Targets - Extrasolar Planet Science with JWST

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	HD189733	RA: 20 00 43.7128 (300.1821367d) Dec: +22 42 39.07 (22.71085d) Equinox: J2000	Proper Motion RA: -3.123 mas/yr Proper Motion Dec: -250.359 mas/yr Parallax: 0.05040" Epoch of Position: 2000.0	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Exoplanet Systems, K dwarfs] Extended=NO</p>				
(2)	HD209458	RA: 22 03 10.7728 (330.7948867d) Dec: +18 53 3.55 (18.88432d) Equinox: J2000	Proper Motion RA: 29.725 mas/yr Proper Motion Dec: -18.025 mas/yr Parallax: 0.02047" Epoch of Position: 2000.0	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Exoplanet Systems, G dwarfs]</p>				
(3)	HD149026	RA: 16 30 29.6185 (247.6234104d) Dec: +38 20 50.31 (38.34731d) Equinox: J2000	Proper Motion RA: -77.9 mas/yr Proper Motion Dec: 52.694 mas/yr Parallax: 0.01304" Epoch of Position: 2000.0	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Exoplanet Systems, G dwarfs]</p>				
(4)	WASP-77A	RA: 02 28 37.2266 (37.1551108d) Dec: -07 03 38.37 (-7.06066d) Equinox: J2000	Proper Motion RA: 94.884 mas/yr Proper Motion Dec: -2.371 mas/yr Parallax: 0.01" Epoch of Position: 2000.0	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Exoplanet Systems, G dwarfs]</p>				
(5)	HD189-ACQ	RA: 20 00 42.9700 (300.1790417d) Dec: +22 42 34.20 (22.70950d) Equinox: J2000	Proper Motion RA: -3.123 mas/yr Proper Motion Dec: -250.359 mas/yr Parallax: 0.05040" Epoch of Position: 2000.0	
<p><i>Comments:</i> Category=Star Description=[M dwarfs] Extended=NO</p>				
(6)	HD149-ACQ	RA: 16 30 28.2030 (247.6175125d) Dec: +38 21 2.15 (38.35060d) Equinox: J2000		
<p><i>Comments:</i> Category=Star Description=[G stars] Extended=NO</p>				

Fixed Targets

Proposal 1274 - Targets - Extrasolar Planet Science with JWST

(7)	HD209-ACQ	RA: 22 03 10.9680 (330.7957000d) Dec: +18 53 36.59 (18.89350d) Equinox: J2000	
<p><i>Comments:</i> Category=Star Description=[G dwarfs] Extended=NO</p>			
(8)	GJ1132	RA: 10 14 50.1767 (153.7090696d) Dec: -47 09 17.77 (-47.15494d) Equinox: J2000	Proper Motion RA: -0.10332851021288136 sec of time/yr Proper Motion Dec: 0.4143 arcsec/yr Parallax: 0.0792543" Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Exoplanet Systems, M dwarfs] Extended=NO</p>			
(9)	TA-WASP19	RA: 09 53 37.9913 (148.4082971d) Dec: -45 39 35.85 (-45.65996d) Equinox: J2000	Proper Motion RA: -5.404 mas/yr Proper Motion Dec: 5.008 mas/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the 2MASS database. Proper motions are from GAIA DR2. 2MASS magnitudes are J=14.924, H=14.642, K=14.374</i> Category=Star Description=[G stars] Extended=NO</p>			
(10)	WASP-19	RA: 09 53 40.0241 (148.4167671d) Dec: -45 39 32.79 (-45.65911d) Equinox: J2000	Proper Motion RA: -0.0033772774282762063 sec of time/yr Proper Motion Dec: 0.017288 arcsec/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=Star Description=[Exoplanet Systems, G stars]</p>			
(11)	TA-WASP77	RA: 02 28 39.0430 (37.1626792d) Dec: -07 04 38.72 (-7.07742d) Equinox: J2000	Proper Motion RA: 1.039 mas/yr Proper Motion Dec: -2.346 mas/yr Epoch of Position: 2015.5
<p><i>Comments: This object was generated by the targetselector and retrieved from the 2MASS database. Proper motions are from GAIA DR2. 2MASS magnitudes are J=15.594, H=15.236, K=15.668.</i> Category=Star Description=[F stars] Extended=NO</p>			

Proposal 1274 - Observation 1 - Extrasolar Planet Science with JWST

Wed Feb 01 17:00:27 GMT 2023

Observation	<p>Proposal 1274, Observation 1: HD189_F322W2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCam Grism Time Series</p>																													
Diagnostics	<p>(HD189_F322W2 (Obs 1)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.</p> <p>(Visit 1:1) Warning (Form): Data Excess over lower threshold</p> <p>(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																													
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1	CLEAR+WLP4	GRISMR+F322W2	BRIGHT2	2	11752	1	11752	20074.414																						
Special Requirements	<p>Phase 0.43122 to 0.45003 with period 2.21857567 Days and zero-phase 2454279.436714 HJD</p> <p>Aperture PA Range 82.221332 to 94.221332 Degrees (V3 81.96883655 to 93.96883655)</p> <p>Aperture PA Range 111.221332 to 127.221332 Degrees (V3 110.96883655 to 126.96883655)</p> <p>Aperture PA Range 214.221332 to 227.221332 Degrees (V3 213.96883655 to 226.96883655)</p> <p>Aperture PA Range 246.221332 to 253.221332 Degrees (V3 245.96883655 to 252.96883655)</p> <p>Time Series Observation</p> <p>No Parallel Attachments</p>																													

Proposal 1274 - Observation 2 - Extrasolar Planet Science with JWST

Wed Feb 01 17:00:27 GMT 2023

Observation	<p>Proposal 1274, Observation 2: HD209_F322W2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCам Grism Time Series</p>																													
Diagnostics	<p>(HD209_F322W2 (Obs 2)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.</p> <p>(Visit 2:1) Warning (Form): Data Excess over lower threshold</p> <p>(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																													
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Special Requirements	<p>Phase 0.94042123 to 0.95224242 with period 3.5247455 Days and zero-phase 2455216.405640 HJD</p> <p>Time Series Observation</p> <p>No Parallel Attachments</p>																													

Proposal 1274 - Observation 3 - Extrasolar Planet Science with JWST

Wed Feb 01 17:00:27 GMT 2023

Observation	<p>Proposal 1274, Observation 3: HD209_F444W</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Grism Time Series</p>																													
Diagnostics	<p>(HD209_F444W (Obs 3)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.</p> <p>(Visit 3:1) Warning (Form): Data Excess over lower threshold</p> <p>(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																													
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Special Requirements	<p>Phase 0.94042123 to 0.95224242 with period 3.5247455 Days and zero-phase 2455216.405640 HJD</p> <p>Time Series Observation</p> <p>No Parallel Attachments</p>																													

Proposal 1274 - Observation 4 - Extrasolar Planet Science with JWST

Wed Feb 01 17:00:27 GMT 2023

Observation	<p>Proposal 1274, Observation 4: HD149_F322W2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Grism Time Series</p>																													
Diagnostics	<p>(HD149_F322W2 (Obs 4)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.</p> <p>(Visit 4:1) Warning (Form): Data Excess over lower threshold</p> <p>(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																													
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Acquisition	<table border="1"> <thead> <tr> <th>#</th> <th>Target</th> <th>Subarray</th> <th>Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SAME</td> <td>SUB32TATSGRIS M</td> <td>F335M</td> <td>RAPID</td> <td>3</td> <td>1</td> <td>1</td> <td>0.062</td> <td>12789.2</td> </tr> </tbody> </table>										#	Target	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	SAME	SUB32TATSGRIS M	F335M	RAPID	3	1	1	0.062	12789.2
#	Target	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																					
1	SAME	SUB32TATSGRIS M	F335M	RAPID	3	1	1	0.062	12789.2																					
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#	Short Pupil+Filter	Long Pupil+Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																					
1	CLEAR+WLP4	GRISMR+F322W2	BRIGHT2	5	7935	1	7935	29770.771																						
Special Requirements	<p>Phase 0.92560278 to 0.94009104 with period 2.8758916 Days and zero-phase 2454599.144396 HJD</p> <p>Time Series Observation</p> <p>No Parallel Attachments</p>																													

Proposal 1274 - Observation 5 - Extrasolar Planet Science with JWST

Wed Feb 01 17:00:27 GMT 2023

Observation	<p>Proposal 1274, Observation 5: HD149_F444W</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRCcam Grism Time Series</p>																													
Diagnostics	<p>(HD149_F444W (Obs 5)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.</p> <p>(Visit 5:1) Warning (Form): Data Excess over lower threshold</p> <p>(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																													
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>HD149026</td> <td>RA: 16 30 29.6185 (247.6234104d) Dec: +38 20 50.31 (38.34731d) Equinox: J2000</td> <td>Proper Motion RA: -77.9 mas/yr Proper Motion Dec: 52.694 mas/yr Parallax: 0.01304" Epoch of Position: 2000.0</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Exoplanet Systems, G dwarfs]</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(3)	HD149026	RA: 16 30 29.6185 (247.6234104d) Dec: +38 20 50.31 (38.34731d) Equinox: J2000	Proper Motion RA: -77.9 mas/yr Proper Motion Dec: 52.694 mas/yr Parallax: 0.01304" Epoch of Position: 2000.0											
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#	Target	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																					
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Special Requirements	<p>Phase 0.92560278 to 0.94009104 with period 2.8758916 Days and zero-phase 2454599.144396 HJD</p> <p>Time Series Observation</p> <p>No Parallel Attachments</p>																													

Proposal 1274 - Observation 9 - Extrasolar Planet Science with JWST

Wed Feb 01 17:00:27 GMT 2023

Observation	<p>Proposal 1274, Observation 9: W19_PRISM</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Bright Object Time Series</p>																																
Diagnostics	<p>(W19_PRISM (Obs 9)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.</p> <p>(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																																
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(10)</td> <td>WASP-19</td> <td>RA: 09 53 40.0241 (148.4167671d) Dec: -45 39 32.79 (-45.65911d) Equinox: J2000</td> <td>Proper Motion RA: -0.0033772774282762063 sec of time/yr Proper Motion Dec: 0.017288 arcsec/yr Epoch of Position: 2015.5</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Star</i> <i>Description=[Exoplanet Systems, G stars]</i></p>											#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(10)	WASP-19	RA: 09 53 40.0241 (148.4167671d) Dec: -45 39 32.79 (-45.65911d) Equinox: J2000	Proper Motion RA: -0.0033772774282762063 sec of time/yr Proper Motion Dec: 0.017288 arcsec/yr Epoch of Position: 2015.5													
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#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																							
1	9 TA-WASP19	WATA	SUB32	F140X	NRSRAPID	3	1	1	0.08	73850.2																							
Template	<p>Subarray</p> <p>SUB512</p>																																
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Grating/Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Exposures/Dith</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>PRISM/CLEAR</td> <td>NRSRAPID</td> <td>4</td> <td>18231</td> <td>1</td> <td>1</td> <td>18231</td> <td>20988.986</td> <td>73850.1</td> </tr> </tbody> </table>											#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	PRISM/CLEAR	NRSRAPID	4	18231	1	1	18231	20988.986	73850.1		
#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																								
1	PRISM/CLEAR	NRSRAPID	4	18231	1	1	18231	20988.986	73850.1																								
Special Requirements	<p>Phase 0.313 to 0.366 with period 0.788838989 Days and zero-phase 2455708.534626 HJD</p> <p>Time Series Observation</p> <p>No Parallel Attachments</p>																																

Proposal 1274 - Observation 10 - Extrasolar Planet Science with JWST

Wed Feb 01 17:00:27 GMT 2023

Observation	<p>Proposal 1274, Observation 10: W77_G395</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Bright Object Time Series</p>																															
Diagnostics	<p>(W77_G395 (Obs 10)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.</p> <p>(W77_G395 (Obs 10)) Warning (Form): The slew between the acquisition exposure and the farthest science exposure is 65.217 Arcsec (larger than the recommended limit of 40.000 Arcsec) and may result in reduced or no schedulability. See more information in the diagnostic browser.</p> <p>(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																															
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>WASP-77A</td> <td>RA: 02 28 37.2266 (37.1551108d) Dec: -07 03 38.37 (-7.06066d) Equinox: J2000</td> <td>Proper Motion RA: 94.884 mas/yr Proper Motion Dec: -2.371 mas/yr Parallax: 0.01" Epoch of Position: 2000.0</td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Exoplanet Systems, G dwarfs]</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous	(4)	WASP-77A	RA: 02 28 37.2266 (37.1551108d) Dec: -07 03 38.37 (-7.06066d) Equinox: J2000	Proper Motion RA: 94.884 mas/yr Proper Motion Dec: -2.371 mas/yr Parallax: 0.01" Epoch of Position: 2000.0													
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#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																						
1	11 TA-WASP77	WATA	SUB32	CLEAR	NRSRAPID	3	1	1	0.08	73850.4																						
Template	<p>Subarray</p> <p>SUB2048</p>																															
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Grating/Filter</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Exposures/Dith</th> <th>Total Dithers</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>G395H/F290LP</td> <td>NRSRAPID</td> <td>17</td> <td>1419</td> <td>1</td> <td>1</td> <td>1419</td> <td>23067.945</td> <td>73850.3</td> </tr> </tbody> </table>										#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	G395H/F290LP	NRSRAPID	17	1419	1	1	1419	23067.945	73850.3		
#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																							
1	G395H/F290LP	NRSRAPID	17	1419	1	1	1419	23067.945	73850.3																							
Special Requirements	<p>Phase 0.383 to 0.413 with period 1.3600309 Days and zero-phase 2455870.45054 HJD</p> <p>Time Series Observation</p> <p>No Parallel Attachments</p>																															

Proposal 1274 - Observation 12 - Extrasolar Planet Science with JWST

Wed Feb 01 17:00:27 GMT 2023

Observation	<p>Proposal 1274, Observation 12: eclipse</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Low Resolution Spectroscopy</p>																									
	<p>(eclipse (Obs 12)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.</p> <p>(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>																									
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th colspan="3">Targ. Coord. Corrections</th> <th colspan="2">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(8)</td> <td>GJ1132</td> <td>RA: 10 14 50.1767 (153.7090696d) Dec: -47 09 17.77 (-47.15494d) Equinox: J2000</td> <td colspan="3">Proper Motion RA: -0.10332851021288136 sec of time/yr Proper Motion Dec: 0.4143 arcsec/yr Parallax: 0.0792543" Epoch of Position: 2015.5</td> <td colspan="2"></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Exoplanet Systems, M dwarfs]</i></p> <p><i>Extended=NO</i></p>								#	Name	Target Coordinates	Targ. Coord. Corrections			Miscellaneous		(8)	GJ1132	RA: 10 14 50.1767 (153.7090696d) Dec: -47 09 17.77 (-47.15494d) Equinox: J2000	Proper Motion RA: -0.10332851021288136 sec of time/yr Proper Motion Dec: 0.4143 arcsec/yr Parallax: 0.0792543" Epoch of Position: 2015.5						
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	#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID																	
1	SAME	F560W	FAST	4	1	1	0.636	72575.1																		
Template	Subarray				Obtain Verification Image?																					
	SLITLESSPRISM				true																					
Dithers	<table border="1"> <thead> <tr> <th>#</th> <th>Dither Type</th> <th>No. Spectral Steps</th> <th>Spectral Step Offset</th> <th>No. Spatial Steps</th> <th>Spatial Step Offset</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>NONE</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset	1	NONE										
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Pointing Verification	<table border="1"> <thead> <tr> <th>#</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>FAST</td> <td>4</td> <td>1</td> <td>1</td> <td>0.636</td> <td>72575.1</td> </tr> </tbody> </table>								#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	FAST	4	1	1	0.636	72575.1				
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1	FAST	4	1	1	0.636	72575.1																				

Proposal 1274 - Observation 12 - Extrasolar Planet Science with JWST

Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	Special Requirements	1	FASTR1	28	3594	3594	1	1	16575.944
Phase 0.41799370 to 0.44357294 with period 1.6289299 Days and zero-phase 2457184.55747 HJD Time Series Observation No Parallel Attachments No Parallel Attachments Sequence Observations 12, 13, Non-interruptible									

Proposal 1274 - Observation 13 - Extrasolar Planet Science with JWST

Wed Feb 01 17:00:27 GMT 2023

Observation	<p>Proposal 1274, Observation 13: background</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Low Resolution Spectroscopy</p>								
Diagnostics	<p>(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Miscellaneous		
	(8)	GJ1132	RA: 10 14 50.1767 (153.7090696d) Dec: -47 09 17.77 (-47.15494d) Equinox: J2000	Proper Motion RA: -0.10332851021288136 sec of time/yr Proper Motion Dec: 0.4143 arcsec/yr Parallax: 0.0792543" Epoch of Position: 2015.5					
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Star</i></p> <p><i>Description=[Exoplanet Systems, M dwarfs]</i></p> <p><i>Extended=NO</i></p>								
Acquisition	#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	SAME	F560W	FAST	4	1	1	0.636	72575.1
Template	Subarray				Obtain Verification Image?				
	SLITLESSPRISM				true				
Dithers	#	Dither Type	No. Spectral Steps	Spectral Step Offset	No. Spatial Steps	Spatial Step Offset			
	1	NONE							
Pointing Verification	#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID		
	1	FAST	4	1	1	0.636	72575.1		

Proposal 1274 - Observation 13 - Extrasolar Planet Science with JWST

Spectral Elements	#	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Exposures/Dith	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
	Special Requirements	1	FASTR1	28	10	10	1	1	45.963
Offset 16.0 arcsec, 0.0 arcsec Time Series Observation No Parallel Attachments No Parallel Attachments Sequence Observations 12, 13, Non-interruptible									