



2302 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the Mass Function

Cycle: 1, Proposal Category: GO

INVESTIGATORS

| <i>Name</i> | <i>Institution</i> |
|------------------------------------|---|
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| Samuel Aaron Beiler (CoI) | University of Toledo |
| Alfred Cayago (CoI) | University of California - Riverside |

OBSERVATIONS

| <i>Folder</i> | <i>Observation</i> | <i>Label</i> | <i>Observing Template</i> | <i>Science Target</i> |
|----------------|--------------------|--------------|----------------------------------|-----------------------|
| SDSS J1624+00 | | | | |
| | 53 | | NIRSpec Fixed Slit Spectroscopy | (31) SDSSJ1624+00 |
| | 54 | | MIRI Low Resolution Spectroscopy | (31) SDSSJ1624+00 |
| | 55 | | MIRI Imaging | (31) SDSSJ1624+00 |
| SDSSp J1346-00 | | | | |
| | 80 | | NIRSpec Fixed Slit Spectroscopy | (32) SDSSPJ1346-00 |
| | 81 | | MIRI Low Resolution Spectroscopy | (32) SDSSPJ1346-00 |
| | 82 | | MIRI Imaging | (32) SDSSPJ1346-00 |
| SDSSp J1346-00 | | | | |
| | 180 | | NIRSpec Fixed Slit Spectroscopy | (32) SDSSPJ1346-00 |
| | 181 | | MIRI Low Resolution Spectroscopy | (32) SDSSPJ1346-00 |
| | 182 | | MIRI Imaging | (32) SDSSPJ1346-00 |
| WISEA J2018-74 | | | | |

JWST Proposal 2302 (Created: Wednesday, June 28, 2023 at 5:01:13 PM Eastern Standard Time) - Overview

| <i>Folder</i> | <i>Observation</i> | <i>Label</i> | <i>Observing Template</i> | <i>Science Target</i> |
|-----------------|--------------------|--------------|----------------------------------|-----------------------|
| | 83 | | NIRSpec Fixed Slit Spectroscopy | (33) WISEAJ2018-74 |
| | 84 | | MIRI Low Resolution Spectroscopy | (33) WISEAJ2018-74 |
| | 85 | | MIRI Imaging | (33) WISEAJ2018-74 |
| WISEPA J1959-33 | | | | |
| | 56 | | NIRSpec Fixed Slit Spectroscopy | (41) WISEPAJ1959-33 |
| | 57 | | MIRI Low Resolution Spectroscopy | (41) WISEPAJ1959-33 |
| | 58 | | MIRI Imaging | (41) WISEPAJ1959-33 |
| WISE J0247+37 | | | | |
| | 86 | | NIRSpec Fixed Slit Spectroscopy | (42) WISEJ0247+37 |
| | 87 | | MIRI Low Resolution Spectroscopy | (42) WISEJ0247+37 |
| | 88 | | MIRI Imaging | (42) WISEJ0247+37 |
| WISE J1501-40 | | | | |
| | 89 | | NIRSpec Fixed Slit Spectroscopy | (43) WISEJ1501-40 |
| | 90 | | MIRI Low Resolution Spectroscopy | (43) WISEJ1501-40 |
| | 91 | | MIRI Imaging | (43) WISEJ1501-40 |
| WISEPA J0313+78 | | | | |
| | 59 | | NIRSpec Fixed Slit Spectroscopy | (51) WISEPAJ0313+78 |
| | 60 | | MIRI Low Resolution Spectroscopy | (51) WISEPAJ0313+78 |
| | 61 | | MIRI Imaging | (51) WISEPAJ0313+78 |
| ULAS J1029+09 | | | | |
| | 92 | | NIRSpec Fixed Slit Spectroscopy | (52) ULASJ1029+09 |
| | 93 | | MIRI Low Resolution Spectroscopy | (52) ULASJ1029+09 |
| | 94 | | MIRI Imaging | (52) ULASJ1029+09 |
| WISEA 2159-48 | | | | |
| | 95 | | NIRSpec Fixed Slit Spectroscopy | (53) WISEA2159-48 |
| | 96 | | MIRI Low Resolution Spectroscopy | (53) WISEA2159-48 |
| | 97 | | MIRI Imaging | (53) WISEA2159-48 |
| WISE J2102-44 | | | | |
| | 62 | | NIRSpec Fixed Slit Spectroscopy | (61) WISEJ2102-44 |
| | 63 | | MIRI Low Resolution Spectroscopy | (61) WISEJ2102-44 |
| | 64 | | MIRI Imaging | (61) WISEJ2102-44 |
| WISE J0430+46 | | | | |

JWST Proposal 2302 (Created: Wednesday, June 28, 2023 at 5:01:13 PM Eastern Standard Time) - Overview

| <i>Folder</i> | <i>Observation</i> | <i>Label</i> | <i>Observing Template</i> | <i>Science Target</i> |
|-----------------|--------------------|---|----------------------------------|-----------------------|
| | 98 | | NIRSpec Fixed Slit Spectroscopy | (62) WISEJ0430+46 |
| | 99 | | MIRI Low Resolution Spectroscopy | (62) WISEJ0430+46 |
| | 100 | | MIRI Imaging | (62) WISEJ0430+46 |
| WISE J0535-75 | | | | |
| | 101 | | NIRSpec Fixed Slit Spectroscopy | (63) WISEJ0535-75 |
| | 102 | | MIRI Low Resolution Spectroscopy | (63) WISEJ0535-75 |
| | 103 | | MIRI Imaging | (63) WISEJ0535-75 |
| WISE J0359-54 | | | | |
| | 65 | | NIRSpec Fixed Slit Spectroscopy | (71) WISEJ0359-54 |
| | 66 | | MIRI Low Resolution Spectroscopy | (71) WISEJ0359-54 |
| | 67 | | MIRI Imaging | (71) WISEJ0359-54 |
| WISEPC J2056+14 | | | | |
| | 104 | | NIRSpec Fixed Slit Spectroscopy | (72) WISEPCJ2056+14 |
| | 105 | | MIRI Low Resolution Spectroscopy | (72) WISEPCJ2056+14 |
| | 106 | | MIRI Imaging | (72) WISEPCJ2056+14 |
| WISE J0734-71 | | | | |
| | 107 | | NIRSpec Fixed Slit Spectroscopy | (73) WISEJ0734-71 |
| | 108 | | MIRI Low Resolution Spectroscopy | (73) WISEJ0734-71 |
| | 109 | | MIRI Imaging | (73) WISEJ0734-71 |
| WISEPA J0410+15 | | | | |
| | 68 | | NIRSpec Fixed Slit Spectroscopy | (81) WISEPAJ0410+15 |
| | 69 | | MIRI Low Resolution Spectroscopy | (81) WISEPAJ0410+15 |
| | 70 | | MIRI Imaging | (81) WISEPAJ0410+15 |
| WISE J1206+84 | | | | |
| | 110 | | NIRSpec Fixed Slit Spectroscopy | (82) WISEJ1206+84 |
| | 111 | | MIRI Low Resolution Spectroscopy | (82) WISEJ1206+84 |
| | 112 | | MIRI Imaging | (82) WISEJ1206+84 |
| | 128 | Reobservation of 112 f or the 2 Missed Filters | MIRI Imaging | (82) WISEJ1206+84 |
| WISEPC J1405+55 | | | | |
| | 113 | | NIRSpec Fixed Slit Spectroscopy | (83) WISEPC1405+55 |
| | 114 | | MIRI Low Resolution Spectroscopy | (83) WISEPC1405+55 |
| | 115 | | MIRI Imaging | (83) WISEPC1405+55 |

JWST Proposal 2302 (Created: Wednesday, June 28, 2023 at 5:01:13 PM Eastern Standard Time) - Overview

| <i>Folder</i> | <i>Observation</i> | <i>Label</i> | <i>Observing Template</i> | <i>Science Target</i> |
|-----------------|--------------------|--------------|----------------------------------|-----------------------|
| WISE J0825+28 | | | | |
| | 71 | | NIRSpec Fixed Slit Spectroscopy | (91) WISEJ0825+28 |
| | 72 | | MIRI Low Resolution Spectroscopy | (91) WISEJ0825+28 |
| | 73 | | MIRI Imaging | (91) WISEJ0825+28 |
| WISEPA J154122 | | | | |
| | 116 | | NIRSpec Fixed Slit Spectroscopy | (92) WISEPAJ1541-22 |
| | 117 | | MIRI Low Resolution Spectroscopy | (92) WISEPAJ1541-22 |
| | 118 | | MIRI Imaging | (92) WISEPAJ1541-22 |
| WISEA J2354+02 | | | | |
| | 119 | | NIRSpec Fixed Slit Spectroscopy | (93) WISEAJ2354+02 |
| | 120 | | MIRI Low Resolution Spectroscopy | (93) WISEAJ2354+02 |
| | 121 | | MIRI Imaging | (93) WISEAJ2354+02 |
| CWISEP J144623 | | | | |
| | 47 | | NIRSpec Fixed Slit Spectroscopy | (101) CWISEPJ1446-23 |
| | 48 | | MIRI Low Resolution Spectroscopy | (101) CWISEPJ1446-23 |
| | 49 | | MIRI Imaging | (101) CWISEPJ1446-23 |
| WISE J2209+27 | | | | |
| | 122 | | NIRSpec Fixed Slit Spectroscopy | (102) WISEJ2209+27 |
| | 123 | | MIRI Low Resolution Spectroscopy | (102) WISEJ2209+27 |
| | 124 | | MIRI Imaging | (102) WISEJ2209+27 |
| CWISEP J1047+54 | | | | |
| | 125 | | NIRSpec Fixed Slit Spectroscopy | (103) CWISEPJ1047+54 |
| | 126 | | MIRI Low Resolution Spectroscopy | (103) CWISEPJ1047+54 |
| | 127 | | MIRI Imaging | (103) CWISEPJ1047+54 |

ABSTRACT

The understanding of the life cycle of stars developed by 20th century astronomers rested on their ability to measure fundamental properties such as mass, radius, bolometric luminosity, effective temperature, and the mass function. 21st century astronomers have embarked on a similar quest to understand the evolution of brown dwarfs but have been hampered by their intrinsic faintness, the lack of a mass-luminosity relation, and the fact that most of their radiation is emitted at infrared wavelengths. While progress has been made in understanding the hotter brown dwarfs that populate the L and T spectral classes, the cooler brown dwarfs in the Y class, some of which have effective temperatures as low as ~250 K, have proven more

difficult to investigate. In this proposal, we aim to measure three fundamental properties -the bolometric luminosities, effective temperatures, and the mass function - of the coolest brown dwarfs in the T and Y classes. Using the broad wavelength grasp of JWST, we will measure the bolometric luminosities of the brown dwarfs with spectral types later than T5 within 20 pc of the Sun. Since all brown dwarfs are effectively the size of Jupiter, we can then use the Stefan-Boltzmann law to measure their effective temperatures to ~ 25 K. The LTY luminosity function will also be compared to simulated populations of brown dwarfs that have formed and evolved over the history of the Galaxy to measure the functional form of the mass function along with its low-mass terminus.

OBSERVING DESCRIPTION

We are proposing to observe 24 cool brown dwarfs (late-T and Y dwarfs) with NIRSpec PRISM (S201A slit), MIRI LRS, and the MIRI Imager at F1000W, F1500W, F1800W, and F2100W in order to construct their spectral energy distributions. The sample has Spitzer [4.5] magnitudes between 13 and 16 with a median value of 14.5. The targets will be acquired using the default WATA mode with the CLEAR filter for NIRSpec. For MIRI, targets will be acquired using the F1000W or F1500W filter depending on the color of the target. Objects will be dithered along the slit using a 5-point pattern for NIRSpec and a 2-point pattern for MIRI, while a 4-point dither pattern will be used for MIRI imaging.

Proposal 2302 - Targets - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the Mass Fun...

| # | Name | Target Coordinates | Targ. Coord. Corrections | Miscellaneous |
|--|----------------|--|--|---------------|
| (31) | SDSSJ1624+00 | RA: 16 24 13.9561 (246.0581504d) Dec: +00 29 15.64 (.48768d) Equinox: J2000 | Proper Motion RA: -372.9 mas/yr Proper Motion Dec: -9.1 mas/yr Epoch of Position: 2015.40178 | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | |
| (32) | SDSSPJ1346-00 | RA: 13 46 45.8994 (206.6912475d) Dec: -00 31 52.23 (-.53118d) Equinox: J2000 | Proper Motion RA: -503.2 mas/yr Proper Motion Dec: -114.3 mas/yr Epoch of Position: 2015.40178 | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | |
| (33) | WISEAJ2018-74 | RA: 20 18 25.5229 (304.6063454d) Dec: -74 23 34.39 (-74.39289d) Equinox: J2000 | Proper Motion RA: 307.7 mas/yr Proper Motion Dec: -1008.4 mas/yr Epoch of Position: 2015.40178 | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | |
| (41) | WISEPAJ1959-33 | RA: 19 59 5.6606 (299.7735858d) Dec: -33 38 34.73 (-33.64298d) Equinox: J2000 | Proper Motion RA: -4.7 mas/yr Proper Motion Dec: -200.7 mas/yr Epoch of Position: 2015.219329 | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | |
| (42) | WISEJ0247+37 | RA: 02 47 14.5738 (41.8107242d) Dec: +37 25 22.57 (37.42294d) Equinox: J2000 | Proper Motion RA: 30 mas/yr Proper Motion Dec: -88.3 mas/yr Epoch of Position: 2015.371773 | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | |
| (43) | WISEJ1501-40 | RA: 15 01 16.2238 (225.3175992d) Dec: -40 04 21.09 (-40.07252d) Equinox: J2000 | Proper Motion RA: 366.7 mas/yr Proper Motion Dec: -342.7 mas/yr Epoch of Position: 2018.138727 | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | |
| (51) | WISEPAJ0313+78 | RA: 03 13 26.1958 (48.3591492d) Dec: +78 07 44.71 (78.12909d) Equinox: J2000 | Proper Motion RA: 73.9 mas/yr Proper Motion Dec: 53.8 mas/yr Epoch of Position: 2016.1977 | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | |

Fixed Targets

Proposal 2302 - Targets - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the Mass Fun...

| | | | |
|--|----------------|---|---|
| (52) | ULASJ1029+09 | RA: 10 29 40.3562 (157.4181508d) Dec: +09 35 13.67 (9.58713d) Equinox: J2000 | Proper Motion RA: -419.3 mas/yr Proper Motion Dec: -142.5 mas/yr Epoch of Position: 2015.40178 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (53) | WISEA2159-48 | RA: 21 59 49.6817 (329.9570071d) Dec: -48 09 1.43 (-48.15040d) Equinox: J2000 | Proper Motion RA: 322 mas/yr Proper Motion Dec: -1238.4 mas/yr Epoch of Position: 2015.373634 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (61) | WISEJ2102-44 | RA: 21 02 0.1671 (315.5006963d) Dec: -44 29 21.49 (-44.48930d) Equinox: J2000 | Proper Motion RA: 41.6 mas/yr Proper Motion Dec: -354.5 mas/yr Epoch of Position: 2015.40178 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (62) | WISEJ0430+46 | RA: 04 30 53.5339 (67.7230579d) Dec: +46 33 34.07 (46.55946d) Equinox: J2000 | Proper Motion RA: 882.5 mas/yr Proper Motion Dec: 381.5 mas/yr Epoch of Position: 2017.297385 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (63) | WISEJ0535-75 | RA: 05 35 16.6296 (83.8192900d) Dec: -75 00 24.22 (-75.00673d) Equinox: J2000 | Proper Motion RA: -120.1 mas/yr Proper Motion Dec: 23.6 mas/yr Epoch of Position: 2015.41347 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (71) | WISEJ0359-54 | RA: 03 59 33.9994 (59.8916642d) Dec: -54 01 58.93 (-54.03304d) Equinox: J2000 | Proper Motion RA: -134.1 mas/yr Proper Motion Dec: -758.9 mas/yr Epoch of Position: 2016.466256 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (72) | WISEPCJ2056+14 | RA: 20 56 29.1823 (314.1215929d) Dec: +14 59 55.89 (14.99886d) Equinox: J2000 | Proper Motion RA: 825.8 mas/yr Proper Motion Dec: 528.8 mas/yr Epoch of Position: 2015.29347 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | |

Proposal 2302 - Targets - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the Mass Fun...

| | | | |
|--|----------------|--|--|
| (73) | WISEJ0734-71 | RA: 07 34 43.2125 (113.6800521d) Dec: -71 57 44.57 (-71.96238d) Equinox: J2000 | Proper Motion RA: -565 mas/yr Proper Motion Dec: -67.5 mas/yr Epoch of Position: 2016.88616 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (81) | WISEPAJ0410+15 | RA: 04 10 23.0782 (62.5961592d) Dec: +15 02 37.44 (15.04373d) Equinox: J2000 | Proper Motion RA: -960.3 mas/yr Proper Motion Dec: -2219.4 mas/yr Epoch of Position: 2015.113155 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (82) | WISEJ1206+84 | RA: 12 06 2.5049 (181.5104371d) Dec: +84 01 9.06 (84.01918d) Equinox: J2000 | Proper Motion RA: -577.5 mas/yr Proper Motion Dec: -263.1 mas/yr Epoch of Position: 2015.370376 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (83) | WISEPC1405+55 | RA: 14 05 16.9488 (211.3206200d) Dec: +55 34 22.43 (55.57290d) Equinox: J2000 | Proper Motion RA: -2334.8 mas/yr Proper Motion Dec: 226.8 mas/yr Epoch of Position: 2015.619357 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (91) | WISEJ0825+28 | RA: 08 25 7.3260 (126.2805250d) Dec: +28 05 47.20 (28.09644d) Equinox: J2000 | Proper Motion RA: -66.7 mas/yr Proper Motion Dec: -235.8 mas/yr Epoch of Position: 2015.527091 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (92) | WISEPAJ1541-22 | RA: 15 41 51.2861 (235.4636921d) Dec: -22 50 26.11 (-22.84059d) Equinox: J2000 | Proper Motion RA: -902.8 mas/yr Proper Motion Dec: -91.4 mas/yr Epoch of Position: 2015.357563 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (93) | WISEAJ2354+02 | RA: 23 54 2.9995 (358.5124979d) Dec: +02 40 11.63 (2.66990d) Equinox: J2000 | Proper Motion RA: 503.5 mas/yr Proper Motion Dec: -399.5 mas/yr Epoch of Position: 2017.291034 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | |

Proposal 2302 - Targets - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the Mass Fun...

| | | | |
|--|----------------|---|--|
| (101) | CWISEPJ1446-23 | RA: 14 46 6.4495 (221.5268729d) Dec: -23 17 19.85 (-23.28885d) Equinox: J2000 | Proper Motion RA: -796.1 mas/yr Proper Motion Dec: -913 mas/yr Epoch of Position: 2016.990308 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (102) | WISEJ2209+27 | RA: 22 09 6.1932 (332.2758050d) Dec: +27 11 37.11 (27.19364d) Equinox: J2000 | Proper Motion RA: 1202.2 mas/yr Proper Motion Dec: -1365.4 mas/yr Epoch of Position: 2015.40435318 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | |
| (103) | CWISEPJ1047+54 | RA: 10 47 56.6242 (161.9859342d) Dec: +54 57 41.06 (54.96141d) Equinox: J2000 | Proper Motion RA: -447.9 mas/yr Proper Motion Dec: -65.5 mas/yr Epoch of Position: 2016.910691 |
| <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | |

Proposal 2302 - Observation 53 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--|--|---------------------------------|---|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 53 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 53:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (31) | SDSSJ1624+00 | RA: 16 24 13.9561 (246.0581504d) Dec: +00 29 15.64 (.48768d) Equinox: J2000 | | | Proper Motion RA: -372.9 mas/yr Proper Motion Dec: -9.1 mas/yr Epoch of Position: 2015.40178 | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPID | 3 | 1 | 1 | 0.08 | 63174.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 5 | 1 | 1 | NONE | 5 | 5 | 46.842 |

Proposal 2302 - Observation 54 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|------------------------------|---|--------------------|---|--|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 54 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Observation 54) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 54:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| | (31) | SDSSJ1624+00 | RA: 16 24 13.9561 (246.0581504d) Dec: +00 29 15.64 (.48768d) Equinox: J2000 | Proper Motion RA: -372.9 mas/yr Proper Motion Dec: -9.1 mas/yr Epoch of Position: 2015.40178 | | | | | | |
| | <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1000W | FAST | 4 | 1 | 1 | 11.1 | 63174.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1000W |

Proposal 2302 - Observation 54 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 15 | 1 | 2 | 1 | 2 | 83.251 | 63174.4 |

Proposal 2302 - Observation 55 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | | |
|--------------------------|--|--------------------|---|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 55</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| Diagnostics | (Visit 55:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (31) | SDSSJ1624+00 | RA: 16 24 13.9561 (246.0581504d) Dec: +00 29 15.64 (.48768d) Equinox: J2000 | | | Proper Motion RA: -372.9 mas/yr Proper Motion Dec: -9.1 mas/yr Epoch of Position: 2015.40178 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63174.5 |
| | 2 | F1800W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63174.6 |
| | 3 | F2100W | FASTR1 | 9 | 1 | 1 | Dither 1 | 4 | 4 | 99.901 | 63174.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63174.8 |

Proposal 2302 - Observation 80 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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|---|--|---------------------------------|--|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 80 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 80:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (32) | SDSSPJ1346-00 | RA: 13 46 45.8994 (206.6912475d) Dec: -00 31 52.23 (-.53118d) Equinox: J2000 | | | Proper Motion RA: -503.2 mas/yr Proper Motion Dec: -114.3 mas/yr Epoch of Position: 2015.40178 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 63271.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 5 | 1 | 1 | NONE | 5 | 5 | 46.842 |

Proposal 2302 - Observation 81 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | |
|---|---|---------------------------|--|----------------------------|--|--------------------------|---------------------------|-------------------------------|----------------------------|---------------|
| Observation | Proposal 2302, Observation 81 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| | (Observation 81) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 81:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (32) | SDSSPJ1346-00 | RA: 13 46 45.8994 (206.6912475d) Dec: -00 31 52.23 (-.53118d) Equinox: J2000 | | Proper Motion RA: -503.2 mas/yr Proper Motion Dec: -114.3 mas/yr Epoch of Position: 2015.40178 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1000W | FAST | 4 | 1 | 1 | 11.1 | 63271.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | | Spatial Step Offset | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1000W |

Proposal 2302 - Observation 81 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 22 | 1 | 2 | 1 | 2 | 122.102 | 63271.4 |

Proposal 2302 - Observation 82 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | | |
|--------------------------|--|--------------------|--|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 82</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| 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 | | | |
| | (32) | SDSSPJ1346-00 | RA: 13 46 45.8994 (206.6912475d) Dec: -00 31 52.23 (-.53118d) Equinox: J2000 | | | Proper Motion RA: -503.2 mas/yr Proper Motion Dec: -114.3 mas/yr Epoch of Position: 2015.40178 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63271.5 |
| | 2 | F1800W | FASTR1 | 7 | 1 | 1 | Dither 1 | 4 | 4 | 77.701 | 63271.6 |
| | 3 | F2100W | FASTR1 | 18 | 1 | 1 | Dither 1 | 4 | 4 | 199.803 | 63271.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63271.8 |

Proposal 2302 - Observation 180 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

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| | | | | | | | | | | | |
|---|---|---------------------------------|--|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 180 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 180:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (32) | SDSSPJ1346-00 | RA: 13 46 45.8994 (206.6912475d) Dec: -00 31 52.23 (-.53118d) Equinox: J2000 | | | Proper Motion RA: -503.2 mas/yr Proper Motion Dec: -114.3 mas/yr Epoch of Position: 2015.40178 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 63271.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 5 | 1 | 1 | NONE | 5 | 5 | 46.842 |

Proposal 2302 - Observation 181 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

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| | | | | | | | | | | |
|------------------------------|---|--------------------|--|--|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 181 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Observation 181) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 181:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| | (32) | SDSSPJ1346-00 | RA: 13 46 45.8994 (206.6912475d) Dec: -00 31 52.23 (-.53118d) Equinox: J2000 | Proper Motion RA: -503.2 mas/yr Proper Motion Dec: -114.3 mas/yr Epoch of Position: 2015.40178 | | | | | | |
| | <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1000W | FAST | 4 | 1 | 1 | 11.1 | 63271.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1000W |

Proposal 2302 - Observation 181 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 22 | 1 | 2 | 1 | 2 | 122.102 | 63271.4 |

Proposal 2302 - Observation 182 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

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| | | | | | | | | | | | |
|--------------------------|--|--------------------|--|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 182 Diagnostic Status: Warning Observing Template: MIRI Imaging | | | | | | | | | | |
| Diagnostics | (Visit 182:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (32) | SDSSPJ1346-00 | RA: 13 46 45.8994 (206.6912475d) Dec: -00 31 52.23 (-.53118d) Equinox: J2000 | | | Proper Motion RA: -503.2 mas/yr Proper Motion Dec: -114.3 mas/yr Epoch of Position: 2015.40178 | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | |
| Template | Subarray FULL | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63271.5 |
| | 2 | F1800W | FASTR1 | 7 | 1 | 1 | Dither 1 | 4 | 4 | 77.701 | 63271.6 |
| | 3 | F2100W | FASTR1 | 18 | 1 | 1 | Dither 1 | 4 | 4 | 199.803 | 63271.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63271.8 |

Proposal 2302 - Observation 83 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | | |
|--|--|---------------------------------|--|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 83 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 83:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (33) | WISEAJ2018-74 | RA: 20 18 25.5229 (304.6063454d) Dec: -74 23 34.39 (-74.39289d) Equinox: J2000 | | | Proper Motion RA: 307.7 mas/yr Proper Motion Dec: -1008.4 mas/yr Epoch of Position: 2015.40178 | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 63272.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 5 | 1 | 1 | NONE | 5 | 5 | 46.842 |

Proposal 2302 - Observation 84 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | |
|---|---|--|--|--------------------------|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 84 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Observation 84) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 84:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| (33) | WISEAJ2018-74 | RA: 20 18 25.5229 (304.6063454d) Dec: -74 23 34.39 (-74.39289d) Equinox: J2000 | Proper Motion RA: 307.7 mas/yr Proper Motion Dec: -1008.4 mas/yr Epoch of Position: 2015.40178 | | | | | | | |
| Comments: Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| 1 | SAME | F1000W | FAST | 4 | 1 | 1 | 11.1 | 63272.3 | | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| 1 | ALONG SLIT NOD | | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1000W | |

Proposal 2302 - Observation 84 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 22 | 1 | 2 | 1 | 2 | 122.102 | 63272.4 |

Proposal 2302 - Observation 85 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | | |
|--------------------------|--|--------------------|--|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 85</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| 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 | | | |
| | (33) | WISEAJ2018-74 | RA: 20 18 25.5229 (304.6063454d) Dec: -74 23 34.39 (-74.39289d) Equinox: J2000 | | | Proper Motion RA: 307.7 mas/yr Proper Motion Dec: -1008.4 mas/yr Epoch of Position: 2015.40178 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63272.5 |
| | 2 | F1800W | FASTR1 | 6 | 1 | 1 | Dither 1 | 4 | 4 | 66.601 | 63272.6 |
| | 3 | F2100W | FASTR1 | 14 | 1 | 1 | Dither 1 | 4 | 4 | 155.402 | 63272.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63272.8 |

Proposal 2302 - Observation 56 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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|--------------------------|--|---------------------------------|---|------------------------|-------------------|---|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 56 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| Diagnostics | (Visit 56:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (41) | WISEPAJ1959-33 | RA: 19 59 5.6606 (299.7735858d) Dec: -33 38 34.73 (-33.64298d) Equinox: J2000 | | | Proper Motion RA: -4.7 mas/yr Proper Motion Dec: -200.7 mas/yr Epoch of Position: 2015.219329 | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 63175.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 5 | 1 | NONE | 5 | 5 | 46.842 | 63175.2 |

Proposal 2302 - Observation 57 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | |
|--|---|---------------------------|---|----------------------------|---|--------------------------|---------------------------|-------------------------------|----------------------------|---------------|
| Observation | Proposal 2302, Observation 57 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| | (Observation 57) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 57:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (41) | WISEPAJ1959-33 | RA: 19 59 5.6606 (299.7735858d) Dec: -33 38 34.73 (-33.64298d) Equinox: J2000 | | Proper Motion RA: -4.7 mas/yr Proper Motion Dec: -200.7 mas/yr Epoch of Position: 2015.219329 | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1000W | FAST | 4 | 1 | 1 | 11.1 | 63175.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | | Spatial Step Offset | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1000W |

Proposal 2302 - Observation 57 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 30 | 1 | 2 | 1 | 2 | 166.502 | 63175.4 |

Proposal 2302 - Observation 58 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|--|--------------------|---|-------------------------|-------------------------|---|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 58</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| Diagnostics | (Visit 58:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (41) | WISEPAJ1959-33 | RA: 19 59 5.6606 (299.7735858d) Dec: -33 38 34.73 (-33.64298d) Equinox: J2000 | | | Proper Motion RA: -4.7 mas/yr Proper Motion Dec: -200.7 mas/yr Epoch of Position: 2015.219329 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63175.5 |
| | 2 | F1800W | FASTR1 | 6 | 1 | 1 | Dither 1 | 4 | 4 | 66.601 | 63175.6 |
| | 3 | F2100W | FASTR1 | 17 | 1 | 1 | Dither 1 | 4 | 4 | 188.703 | 63175.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63175.8 |

Proposal 2302 - Observation 86 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

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|--|--|---------------------------------|--|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 86 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 86:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (42) | WISEJ0247+37 | RA: 02 47 14.5738 (41.8107242d) Dec: +37 25 22.57 (37.42294d) Equinox: J2000 | | | Proper Motion RA: 30 mas/yr Proper Motion Dec: -88.3 mas/yr Epoch of Position: 2015.371773 | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 63281.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 6 | 1 | 1 | NONE | 5 | 5 | 54.632 |

Proposal 2302 - Observation 87 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|------------------------------|---|--------------------|--|--|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 87 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Observation 87) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 87:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| | (42) | WISEJ0247+37 | RA: 02 47 14.5738 (41.8107242d) Dec: +37 25 22.57 (37.42294d) Equinox: J2000 | Proper Motion RA: 30 mas/yr Proper Motion Dec: -88.3 mas/yr Epoch of Position: 2015.371773 | | | | | | |
| | <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1000W | FAST | 4 | 1 | 1 | 11.1 | 63281.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1000W |

Proposal 2302 - Observation 87 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 90 | 1 | 2 | 1 | 2 | 499.507 | 63281.4 |

| | | | | | | | | | | | |
|--------------------------|---|--------------------|--|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 88 Diagnostic Status: Warning Observing Template: MIRI 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 | | | |
| | (42) | WISEJ0247+37 | RA: 02 47 14.5738 (41.8107242d) Dec: +37 25 22.57 (37.42294d) Equinox: J2000 | | | Proper Motion RA: 30 mas/yr Proper Motion Dec: -88.3 mas/yr Epoch of Position: 2015.371773 | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | |
| Template | Subarray FULL | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63281.5 |
| | 2 | F1800W | FASTR1 | 12 | 1 | 1 | Dither 1 | 4 | 4 | 133.202 | 63281.6 |
| | 3 | F2100W | FASTR1 | 27 | 2 | 1 | Dither 1 | 4 | 8 | 610.509 | 63281.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63281.8 |

Proposal 2302 - Observation 89 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|---|---------------------------------|--|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 89</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Fixed Slit Spectroscopy</p> | | | | | | | | | | |
| 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 | | |
| | (43) | WISEJ1501-40 | RA: 15 01 16.2238 (225.3175992d) Dec: -40 04 21.09 (-40.07252d) Equinox: J2000 | | | Proper Motion RA: 366.7 mas/yr Proper Motion Dec: -342.7 mas/yr Epoch of Position: 2018.138727 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 63282.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 5 | 1 | NONE | 5 | 5 | 46.842 | 63282.2 |

Proposal 2302 - Observation 90 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|------------------------------|---|--------------------|--|--|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 90 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Observation 90) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 90:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| | (43) | WISEJ1501-40 | RA: 15 01 16.2238 (225.3175992d) Dec: -40 04 21.09 (-40.07252d) Equinox: J2000 | Proper Motion RA: 366.7 mas/yr Proper Motion Dec: -342.7 mas/yr Epoch of Position: 2018.138727 | | | | | | |
| | <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1000W | FAST | 4 | 1 | 1 | 11.1 | 63282.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1000W |

Proposal 2302 - Observation 90 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 40 | 1 | 2 | 1 | 2 | 222.003 | 63282.4 |

| | | | | | | | | | | | |
|--------------------------|--|--------------------|--|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 91</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| Diagnostics | (Visit 91:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (43) | WISEJ1501-40 | RA: 15 01 16.2238 (225.3175992d) Dec: -40 04 21.09 (-40.07252d) Equinox: J2000 | | | Proper Motion RA: 366.7 mas/yr Proper Motion Dec: -342.7 mas/yr Epoch of Position: 2018.138727 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63282.5 |
| | 2 | F1800W | FASTR1 | 8 | 1 | 1 | Dither 1 | 4 | 4 | 88.801 | 63282.6 |
| | 3 | F2100W | FASTR1 | 30 | 1 | 1 | Dither 1 | 4 | 4 | 333.005 | 63282.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63282.8 |

Proposal 2302 - Observation 59 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | | |
|--|--|---------------------------------|--|------------------------|-------------------|---|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 59 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 59:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (51) | WISEPAJ0313+78 | RA: 03 13 26.1958 (48.3591492d) Dec: +78 07 44.71 (78.12909d) Equinox: J2000 | | | Proper Motion RA: 73.9 mas/yr Proper Motion Dec: 53.8 mas/yr Epoch of Position: 2016.1977 | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 121777.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 5 | 1 | 1 | NONE | 5 | 5 | 46.842 |

Proposal 2302 - Observation 60 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | |
|------------------------------|---|--------------------|--|---|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 60 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Observation 60) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 60:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| | (51) | WISEPAJ0313+78 | RA: 03 13 26.1958 (48.3591492d) Dec: +78 07 44.71 (78.12909d) Equinox: J2000 | Proper Motion RA: 73.9 mas/yr Proper Motion Dec: 53.8 mas/yr Epoch of Position: 2016.1977 | | | | | | |
| | <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1000W | FAST | 4 | 1 | 1 | 11.1 | 63176.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1000W |

Proposal 2302 - Observation 60 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 28 | 1 | 2 | 1 | 2 | 155.402 | 63176.4 |

Proposal 2302 - Observation 61 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|--|--------------------|--|-------------------------|-------------------------|---|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 61</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| 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 | | | |
| | (51) | WISEPAJ0313+78 | RA: 03 13 26.1958 (48.3591492d) Dec: +78 07 44.71 (78.12909d) Equinox: J2000 | | | Proper Motion RA: 73.9 mas/yr Proper Motion Dec: 53.8 mas/yr Epoch of Position: 2016.1977 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63176.5 |
| | 2 | F1800W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63176.6 |
| | 3 | F2100W | FASTR1 | 7 | 1 | 1 | Dither 1 | 4 | 4 | 77.701 | 63176.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63176.8 |

Proposal 2302 - Observation 92 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|---|--|---------------------------------|--|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 92 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 92:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (52) | ULASJ1029+09 | RA: 10 29 40.3562 (157.4181508d) Dec: +09 35 13.67 (9.58713d) Equinox: J2000 | | | Proper Motion RA: -419.3 mas/yr Proper Motion Dec: -142.5 mas/yr Epoch of Position: 2015.40178 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 121778.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 6 | 1 | 1 | NONE | 5 | 5 | 54.632 |

Proposal 2302 - Observation 93 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|---|---|---------------------------|--|-----------------------------|--|----------------------------|---------------------------|-------------------------------|----------------------------|---------------|
| Observation | Proposal 2302, Observation 93 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| | (Observation 93) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 93:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (52) | ULASJ1029+09 | RA: 10 29 40.3562 (157.4181508d) Dec: +09 35 13.67 (9.58713d) Equinox: J2000 | | Proper Motion RA: -419.3 mas/yr Proper Motion Dec: -142.5 mas/yr Epoch of Position: 2015.40178 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1000W | FAST | 4 | 1 | 1 | 11.1 | 63273.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1000W |

Proposal 2302 - Observation 93 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 75 | 1 | 2 | 1 | 2 | 416.256 | 63273.4 |

| | | | | | | | | | | | |
|--------------------------|--|--------------------|--|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 94</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| Diagnostics | (Visit 94:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (52) | ULASJ1029+09 | RA: 10 29 40.3562 (157.4181508d) Dec: +09 35 13.67 (9.58713d) Equinox: J2000 | | | Proper Motion RA: -419.3 mas/yr Proper Motion Dec: -142.5 mas/yr Epoch of Position: 2015.40178 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63273.5 |
| | 2 | F1800W | FASTR1 | 10 | 1 | 1 | Dither 1 | 4 | 4 | 111.002 | 63273.6 |
| | 3 | F2100W | FASTR1 | 23 | 2 | 1 | Dither 1 | 4 | 8 | 521.708 | 63273.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63273.8 |

Proposal 2302 - Observation 95 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | | |
|--------------------------|--|--------------------------|---|-----------------|------------|---|-------------------|------------------|--------------------|---------------------|------------------|
| Observation | Proposal 2302, Observation 95 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| Diagnostics | (Visit 95:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (53) | WISEA2159-48 | RA: 21 59 49.6817 (329.9570071d) Dec: -48 09 1.43 (-48.15040d) Equinox: J2000 | | | Proper Motion RA: 322 mas/yr Proper Motion Dec: -1238.4 mas/yr Epoch of Position: 2015.373634 | | | | | |
| | Comments: Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 121779.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 6 | 1 | NONE | 5 | 5 | 54.632 | 63274.2 |

Proposal 2302 - Observation 96 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | |
|---|---|---|---|--------------------------|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 96 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Observation 96) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 96:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| (53) | WISEA2159-48 | RA: 21 59 49.6817 (329.9570071d) Dec: -48 09 1.43 (-48.15040d) Equinox: J2000 | Proper Motion RA: 322 mas/yr Proper Motion Dec: -1238.4 mas/yr Epoch of Position: 2015.373634 | | | | | | | |
| Comments: Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| 1 | SAME | F1000W | FAST | 4 | 1 | 1 | 11.1 | 63274.3 | | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| 1 | ALONG SLIT NOD | | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1000W | |

Proposal 2302 - Observation 96 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 110 | 1 | 2 | 1 | 2 | 610.509 | 63274.4 |

Proposal 2302 - Observation 97 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | | |
|--------------------------|--|--------------------|---|-------------------------|-------------------------|---|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 97</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| Diagnostics | (Visit 97:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (53) | WISEA2159-48 | RA: 21 59 49.6817 (329.9570071d) Dec: -48 09 1.43 (-48.15040d) Equinox: J2000 | | | Proper Motion RA: 322 mas/yr Proper Motion Dec: -1238.4 mas/yr Epoch of Position: 2015.373634 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 6 | 1 | 1 | Dither 1 | 4 | 4 | 66.601 | 63274.5 |
| | 2 | F1800W | FASTR1 | 11 | 1 | 1 | Dither 1 | 4 | 4 | 122.102 | 63274.6 |
| | 3 | F2100W | FASTR1 | 23 | 2 | 1 | Dither 1 | 4 | 8 | 521.708 | 63274.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63274.8 |

Proposal 2302 - Observation 62 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | | |
|--|--|---------------------------------|---|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 62 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 62:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (61) | WISEJ2102-44 | RA: 21 02 0.1671 (315.5006963d) Dec: -44 29 21.49 (-44.48930d) Equinox: J2000 | | | Proper Motion RA: 41.6 mas/yr Proper Motion Dec: -354.5 mas/yr Epoch of Position: 2015.40178 | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 121780.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 5 | 1 | 1 | NONE | 5 | 5 | 46.842 |

Proposal 2302 - Observation 63 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|--|---|---|--|--------------------------|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 63 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Observation 63) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 63:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| (61) | WISEJ2102-44 | RA: 21 02 0.1671 (315.5006963d) Dec: -44 29 21.49 (-44.48930d) Equinox: J2000 | Proper Motion RA: 41.6 mas/yr Proper Motion Dec: -354.5 mas/yr Epoch of Position: 2015.40178 | | | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| 1 | SAME | F1000W | FAST | 4 | 1 | 1 | 11.1 | 63177.3 | | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| 1 | ALONG SLIT NOD | | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1000W | |

Proposal 2302 - Observation 63 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 65 | 1 | 2 | 1 | 2 | 360.755 | 63177.4 |

| | | | | | | | | | | | |
|--------------------------|--|--------------------|---|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 64</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| 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 | | | |
| | (61) | WISEJ2102-44 | RA: 21 02 0.1671 (315.5006963d) Dec: -44 29 21.49 (-44.48930d) Equinox: J2000 | | | Proper Motion RA: 41.6 mas/yr Proper Motion Dec: -354.5 mas/yr Epoch of Position: 2015.40178 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63177.5 |
| | 2 | F1800W | FASTR1 | 7 | 1 | 1 | Dither 1 | 4 | 4 | 77.701 | 63177.6 |
| | 3 | F2100W | FASTR1 | 22 | 1 | 1 | Dither 1 | 4 | 4 | 244.204 | 63177.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63177.8 |

Proposal 2302 - Observation 98 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | | |
|---|--|---------------------------------|--|------------------------|-------------------|---|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 98 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 98:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (62) | WISEJ0430+46 | RA: 04 30 53.5339 (67.7230579d) Dec: +46 33 34.07 (46.55946d) Equinox: J2000 | | | Proper Motion RA: 882.5 mas/yr Proper Motion Dec: 381.5 mas/yr Epoch of Position: 2017.297385 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 121781.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 5 | 1 | 1 | NONE | 5 | 5 | 46.842 |

Proposal 2302 - Observation 99 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

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| | | | | | | | | | | |
|------------------------------|---|--------------------|--|---|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 99 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Observation 99) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 99:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| | (62) | WISEJ0430+46 | RA: 04 30 53.5339 (67.7230579d) Dec: +46 33 34.07 (46.55946d) Equinox: J2000 | Proper Motion RA: 882.5 mas/yr Proper Motion Dec: 381.5 mas/yr Epoch of Position: 2017.297385 | | | | | | |
| | <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, T dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1000W | FAST | 4 | 1 | 1 | 11.1 | 63275.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1000W |

Proposal 2302 - Observation 99 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 65 | 1 | 2 | 1 | 2 | 360.755 | 63275.4 |

Proposal 2302 - Observation 100 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

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| | | | | | | | | | | | |
|--------------------------|--|--------------------|--|-------------------------|-------------------------|---|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 100 Diagnostic Status: Warning Observing Template: MIRI Imaging | | | | | | | | | | |
| Diagnostics | (Visit 100:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (62) | WISEJ0430+46 | RA: 04 30 53.5339 (67.7230579d) Dec: +46 33 34.07 (46.55946d) Equinox: J2000 | | | Proper Motion RA: 882.5 mas/yr Proper Motion Dec: 381.5 mas/yr Epoch of Position: 2017.297385 | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, T dwarfs] Extended=NO | | | | | | | | | | |
| Template | Subarray FULL | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63275.5 |
| | 2 | F1800W | FASTR1 | 7 | 1 | 1 | Dither 1 | 4 | 4 | 77.701 | 63275.6 |
| | 3 | F2100W | FASTR1 | 19 | 1 | 1 | Dither 1 | 4 | 4 | 210.903 | 63275.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63275.8 |

Proposal 2302 - Observation 101 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|---|---|---------------------------------|---|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 101 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 101:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (63) | WISEJ0535-75 | RA: 05 35 16.6296 (83.8192900d) Dec: -75 00 24.22 (-75.00673d) Equinox: J2000 | | | Proper Motion RA: -120.1 mas/yr Proper Motion Dec: 23.6 mas/yr Epoch of Position: 2015.41347 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB2048 | CLEAR | NRSRAPID | 3 | 1 | 1 | 3.628 | 63276.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 9 | 1 | 1 | NONE | 5 | 5 | 78.002 |

Proposal 2302 - Observation 102 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

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| | | | | | | | | | | |
|------------------------------|--|--------------------|---|--|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 102 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Visit 102:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| | (63) | WISEJ0535-75 | RA: 05 35 16.6296 (83.8192900d) Dec: -75 00 24.22 (-75.00673d) Equinox: J2000 | Proper Motion RA: -120.1 mas/yr Proper Motion Dec: 23.6 mas/yr Epoch of Position: 2015.41347 | | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1000W | FAST | 8 | 1 | 1 | 22.2 | 63276.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 8 | 1 | 1 | 1 | 1 | 22.2 | | F1000W |

Proposal 2302 - Observation 102 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 250 | 1 | 2 | 1 | 2 | 1387.52 | 63276.4 |

Proposal 2302 - Observation 103 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|--|--------------------|---|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 103 Diagnostic Status: Warning Observing Template: MIRI Imaging | | | | | | | | | | |
| Diagnostics | (Visit 103:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (63) | WISEJ0535-75 | RA: 05 35 16.6296 (83.8192900d) Dec: -75 00 24.22 (-75.00673d) Equinox: J2000 | | | Proper Motion RA: -120.1 mas/yr Proper Motion Dec: 23.6 mas/yr Epoch of Position: 2015.41347 | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | |
| Template | Subarray FULL | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 7 | 1 | 1 | Dither 1 | 4 | 4 | 77.701 | 63276.5 |
| | 2 | F1800W | FASTR1 | 16 | 1 | 1 | Dither 1 | 4 | 4 | 177.603 | 63276.6 |
| | 3 | F2100W | FASTR1 | 26 | 3 | 1 | Dither 1 | 4 | 12 | 888.013 | 63276.7 |
| | 4 | F1000W | FASTR1 | 6 | 1 | 1 | Dither 1 | 4 | 4 | 66.601 | 63276.8 |

Proposal 2302 - Observation 65 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--|--|---------------------------------|---|------------------------|-------------------|---|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 65 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 65:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (71) | WISEJ0359-54 | RA: 03 59 33.9994 (59.8916642d) Dec: -54 01 58.93 (-54.03304d) Equinox: J2000 | | | Proper Motion RA: -134.1 mas/yr Proper Motion Dec: -758.9 mas/yr Epoch of Position: 2016.466256 | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB2048 | CLEAR | NRSRAPID | 3 | 1 | 1 | 3.628 | 63178.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 10 | 1 | 1 | NONE | 5 | 5 | 85.792 |

Proposal 2302 - Observation 66 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|------------------------------|---|--------------------|---|---|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 66 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| 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 | | | |
| | (71) | WISEJ0359-54 | RA: 03 59 33.9994 (59.8916642d) Dec: -54 01 58.93 (-54.03304d) Equinox: J2000 | Proper Motion RA: -134.1 mas/yr Proper Motion Dec: -758.9 mas/yr Epoch of Position: 2016.466256 | | | | | | |
| | Comments: Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1000W | FAST | 8 | 1 | 1 | 22.2 | 63178.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 8 | 1 | 1 | 1 | 1 | 22.2 | | F1000W |

Proposal 2302 - Observation 66 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 500 | 1 | 2 | 1 | 2 | 2775.04 | 63178.4 |

Proposal 2302 - Observation 67 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|--|--------------------|---|-------------------------|-------------------------|---|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 67</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| 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 | | | |
| | (71) | WISEJ0359-54 | RA: 03 59 33.9994 (59.8916642d) Dec: -54 01 58.93 (-54.03304d) Equinox: J2000 | | | Proper Motion RA: -134.1 mas/yr Proper Motion Dec: -758.9 mas/yr Epoch of Position: 2016.466256 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 7 | 1 | 1 | Dither 1 | 4 | 4 | 77.701 | 63178.5 |
| | 2 | F1800W | FASTR1 | 18 | 1 | 1 | Dither 1 | 4 | 4 | 199.803 | 63178.6 |
| | 3 | F2100W | FASTR1 | 28 | 3 | 1 | Dither 1 | 4 | 12 | 954.614 | 63178.7 |
| | 4 | F1000W | FASTR1 | 7 | 1 | 1 | Dither 1 | 4 | 4 | 77.701 | 63178.8 |

Proposal 2302 - Observation 104 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--|---|---------------------------------|---|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 104 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 104:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (72) | WISEPCJ2056+14 | RA: 20 56 29.1823 (314.1215929d) Dec: +14 59 55.89 (14.99886d) Equinox: J2000 | | | Proper Motion RA: 825.8 mas/yr Proper Motion Dec: 528.8 mas/yr Epoch of Position: 2015.29347 | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 121783.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 5 | 1 | 1 | NONE | 5 | 5 | 46.842 |

Proposal 2302 - Observation 105 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|------------------------------|---|--------------------|---|--|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 105 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Observation 105) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 105:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| | (72) | WISEPCJ2056+14 | RA: 20 56 29.1823 (314.1215929d) Dec: +14 59 55.89 (14.99886d) Equinox: J2000 | Proper Motion RA: 825.8 mas/yr Proper Motion Dec: 528.8 mas/yr Epoch of Position: 2015.29347 | | | | | | |
| | <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1000W | FAST | 4 | 1 | 1 | 11.1 | 63277.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1000W |

Proposal 2302 - Observation 105 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 50 | 1 | 2 | 1 | 2 | 277.504 | 63277.4 |

Proposal 2302 - Observation 106 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|--|--------------------|---|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 106 Diagnostic Status: Warning Observing Template: MIRI Imaging | | | | | | | | | | |
| Diagnostics | (Visit 106:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (72) | WISEPCJ2056+14 | RA: 20 56 29.1823 (314.1215929d) Dec: +14 59 55.89 (14.99886d) Equinox: J2000 | | | Proper Motion RA: 825.8 mas/yr Proper Motion Dec: 528.8 mas/yr Epoch of Position: 2015.29347 | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | |
| Template | Subarray FULL | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63277.5 |
| | 2 | F1800W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63277.6 |
| | 3 | F2100W | FASTR1 | 9 | 1 | 1 | Dither 1 | 4 | 4 | 99.901 | 63277.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63277.8 |

Proposal 2302 - Observation 107 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--|---|---------------------------------|--|------------------------|-------------------|---|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 107 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 107:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (73) | WISEJ0734-71 | RA: 07 34 43.2125 (113.6800521d) Dec: -71 57 44.57 (-71.96238d) Equinox: J2000 | | | Proper Motion RA: -565 mas/yr Proper Motion Dec: -67.5 mas/yr Epoch of Position: 2016.88616 | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB2048 | CLEAR | NRSRAPID | 3 | 1 | 1 | 3.628 | 63278.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 10 | 1 | 1 | NONE | 5 | 5 | 85.792 |

Proposal 2302 - Observation 108 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|------------------------------|--|--------------------|--|---|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 108 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Visit 108:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| | (73) | WISEJ0734-71 | RA: 07 34 43.2125 (113.6800521d) Dec: -71 57 44.57 (-71.96238d) Equinox: J2000 | Proper Motion RA: -565 mas/yr Proper Motion Dec: -67.5 mas/yr Epoch of Position: 2016.88616 | | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1000W | FAST | 8 | 1 | 1 | 22.2 | 63278.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 8 | 1 | 1 | 1 | 1 | 22.2 | | F1000W |

Proposal 2302 - Observation 108 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 450 | 1 | 2 | 1 | 2 | 2497.536 | 63278.4 |

Proposal 2302 - Observation 109 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|--|--------------------|--|-------------------------|-------------------------|---|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 109 Diagnostic Status: Warning Observing Template: MIRI Imaging | | | | | | | | | | |
| | (Visit 109:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (73) | WISEJ0734-71 | RA: 07 34 43.2125 (113.6800521d) Dec: -71 57 44.57 (-71.96238d) Equinox: J2000 | | | Proper Motion RA: -565 mas/yr Proper Motion Dec: -67.5 mas/yr Epoch of Position: 2016.88616 | | | | | |
| Template | <i>Comments:</i> | | | | | | | | | | |
| | Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | |
| Dithers | Subarray | | | | | | | | | | |
| | FULL | | | | | | | | | | |
| Spectral Elements | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 7 | 1 | 1 | Dither 1 | 4 | 4 | 77.701 | 63278.5 |
| | 2 | F1800W | FASTR1 | 17 | 1 | 1 | Dither 1 | 4 | 4 | 188.703 | 63278.6 |
| | 3 | F2100W | FASTR1 | 27 | 3 | 1 | Dither 1 | 4 | 12 | 921.313 | 63278.7 |
| | 4 | F1000W | FASTR1 | 6 | 1 | 1 | Dither 1 | 4 | 4 | 66.601 | 63278.8 |

Proposal 2302 - Observation 68 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|---|--|---------------------------------|--|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 68 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 68:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (81) | WISEPAJ0410+15 | RA: 04 10 23.0782 (62.5961592d) Dec: +15 02 37.44 (15.04373d) Equinox: J2000 | | | Proper Motion RA: -960.3 mas/yr Proper Motion Dec: -2219.4 mas/yr Epoch of Position: 2015.113155 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB2048 | CLEAR | NRSRAPID | 3 | 1 | 1 | 3.628 | 63180.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 5 | 1 | 1 | NONE | 5 | 5 | 46.842 |

Proposal 2302 - Observation 69 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|------------------------------|---|--------------------|--|--|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 69 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Observation 69) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 69:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| | (81) | WISEPAJ0410+15 | RA: 04 10 23.0782 (62.5961592d) Dec: +15 02 37.44 (15.04373d) Equinox: J2000 | Proper Motion RA: -960.3 mas/yr Proper Motion Dec: -2219.4 mas/yr Epoch of Position: 2015.113155 | | | | | | |
| | <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1500W | FAST | 4 | 1 | 1 | 11.1 | 63180.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1500W |

Proposal 2302 - Observation 69 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 60 | 1 | 2 | 1 | 2 | 333.005 | 63180.4 |

| | | | | | | | | | | | |
|--------------------------|--|--------------------|--|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 70</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| 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 | | | |
| | (81) | WISEPAJ0410+15 | RA: 04 10 23.0782 (62.5961592d) Dec: +15 02 37.44 (15.04373d) Equinox: J2000 | | | Proper Motion RA: -960.3 mas/yr Proper Motion Dec: -2219.4 mas/yr Epoch of Position: 2015.113155 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63180.5 |
| | 2 | F1800W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63180.6 |
| | 3 | F2100W | FASTR1 | 10 | 1 | 1 | Dither 1 | 4 | 4 | 111.002 | 63180.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63180.8 |

Proposal 2302 - Observation 110 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|---|---|---------------------------------|---|------------------------|-------------------|---|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 110 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 110:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (82) | WISEJ1206+84 | RA: 12 06 2.5049 (181.5104371d) Dec: +84 01 9.06 (84.01918d) Equinox: J2000 | | | Proper Motion RA: -577.5 mas/yr Proper Motion Dec: -263.1 mas/yr Epoch of Position: 2015.370376 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB2048 | CLEAR | NRSRAPID | 3 | 1 | 1 | 3.628 | 63279.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 10 | 1 | 1 | NONE | 5 | 5 | 85.792 |

Proposal 2302 - Observation 111 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|--|--|---------------------------|---|----------------------------|---|--------------------------|---------------------------|-------------------------------|----------------------------|---------------|
| Observation | Proposal 2302, Observation 111 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| | (Visit 111:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (82) | WISEJ1206+84 | RA: 12 06 2.5049 (181.5104371d) Dec: +84 01 9.06 (84.01918d) Equinox: J2000 | | Proper Motion RA: -577.5 mas/yr Proper Motion Dec: -263.1 mas/yr Epoch of Position: 2015.370376 | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1500W | FAST | 8 | 1 | 1 | 22.2 | 63279.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | | Spatial Step Offset | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 8 | 1 | 1 | 1 | 1 | 22.2 | | F1500W |

Proposal 2302 - Observation 111 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 350 | 1 | 2 | 1 | 2 | 1942.528 | 63279.4 |

Proposal 2302 - Observation 112 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|--|--------------------|---|-------------------------|-------------------------|---|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 112 Diagnostic Status: Warning Observing Template: MIRI Imaging | | | | | | | | | | |
| Diagnostics | (Visit 112:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (82) | WISEJ1206+84 | RA: 12 06 2.5049 (181.5104371d) Dec: +84 01 9.06 (84.01918d) Equinox: J2000 | | | Proper Motion RA: -577.5 mas/yr Proper Motion Dec: -263.1 mas/yr Epoch of Position: 2015.370376 | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | |
| Template | Subarray FULL | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 7 | 1 | 1 | Dither 1 | 4 | 4 | 77.701 | 63279.5 |
| | 2 | F1800W | FASTR1 | 15 | 1 | 1 | Dither 1 | 4 | 4 | 166.502 | 63279.6 |
| | 3 | F2100W | FASTR1 | 35 | 2 | 1 | Dither 1 | 4 | 8 | 788.111 | 63279.7 |
| | 4 | F1000W | FASTR1 | 6 | 1 | 1 | Dither 1 | 4 | 4 | 66.601 | 63279.8 |

Proposal 2302 - Observation 128 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|---|---|--------------------|---|-------------------------|-------------------------|---|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 128: Reobservation of 112 for the 2 Missed Filters Diagnostic Status: Warning Observing Template: MIRI Imaging | | | | | | | | | | |
| | (Visit 128:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (82) | WISEJ1206+84 | RA: 12 06 2.5049 (181.5104371d) Dec: +84 01 9.06 (84.01918d) Equinox: J2000 | | | Proper Motion RA: -577.5 mas/yr Proper Motion Dec: -263.1 mas/yr Epoch of Position: 2015.370376 | | | | | |
| Comments: Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | | |
| Template | Subarray | | | | | | | | | | |
| | FULL | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F2100W | FASTR1 | 35 | 2 | 1 | Dither 1 | 4 | 8 | 788.111 | 63279.7 |
| | 2 | F1000W | FASTR1 | 6 | 1 | 1 | Dither 1 | 4 | 4 | 66.601 | 63279.8 |

Proposal 2302 - Observation 113 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|---|---|---------------------------------|---|------------------------|-------------------|---|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 113 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 113:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (83) | WISEPC1405+55 | RA: 14 05 16.9488 (211.3206200d) Dec: +55 34 22.43 (55.57290d) Equinox: J2000 | | | Proper Motion RA: -2334.8 mas/yr Proper Motion Dec: 226.8 mas/yr Epoch of Position: 2015.619357 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 121787.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 5 | 1 | 1 | NONE | 5 | 5 | 46.842 |

Proposal 2302 - Observation 114 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|---|---|---------------------------|---|----------------------------|---|--------------------------|---------------------------|-------------------------------|----------------------------|---------------|
| Observation | Proposal 2302, Observation 114 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| | (Observation 114) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 114:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Diagnosics | | | | | | | | | | |
| | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (83) | WISEPC1405+55 | RA: 14 05 16.9488 (211.3206200d) Dec: +55 34 22.43 (55.57290d) Equinox: J2000 | | Proper Motion RA: -2334.8 mas/yr Proper Motion Dec: 226.8 mas/yr Epoch of Position: 2015.619357 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1500W | FAST | 4 | 1 | 1 | 11.1 | 63280.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | | Spatial Step Offset | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1500W |

Proposal 2302 - Observation 114 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 70 | 1 | 2 | 1 | 2 | 388.506 | 63280.4 |

Proposal 2302 - Observation 115 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|---|--------------------|---|-------------------------|-------------------------|---|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 115</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| Diagnostics | (Visit 115:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (83) | WISEPC1405+55 | RA: 14 05 16.9488 (211.3206200d) Dec: +55 34 22.43 (55.57290d) Equinox: J2000 | | | Proper Motion RA: -2334.8 mas/yr Proper Motion Dec: 226.8 mas/yr Epoch of Position: 2015.619357 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63280.5 |
| | 2 | F1800W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63280.6 |
| | 3 | F2100W | FASTR1 | 9 | 1 | 1 | Dither 1 | 4 | 4 | 99.901 | 63280.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63280.8 |

Proposal 2302 - Observation 71 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|--|--------------------------|--|-----------------|------------|--|-------------------|------------------|--------------------|---------------------|------------------|
| Observation | Proposal 2302, Observation 71 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| 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 | | |
| | (91) | WISEJ0825+28 | RA: 08 25 7.3260 (126.2805250d) Dec: +28 05 47.20 (28.09644d) Equinox: J2000 | | | Proper Motion RA: -66.7 mas/yr Proper Motion Dec: -235.8 mas/yr Epoch of Position: 2015.527091 | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB2048 | CLEAR | NRSRAPID | 3 | 1 | 1 | 3.628 | 63181.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 7 | 1 | NONE | 5 | 5 | 62.422 | 63181.2 |

Proposal 2302 - Observation 72 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|---|---|---------------------------|--|----------------------------|--|--------------------------|---------------------------|-------------------------------|----------------------------|---------------|
| Observation | Proposal 2302, Observation 72 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| | (Observation 72) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 72:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (91) | WISEJ0825+28 | RA: 08 25 7.3260 (126.2805250d) Dec: +28 05 47.20 (28.09644d) Equinox: J2000 | | Proper Motion RA: -66.7 mas/yr Proper Motion Dec: -235.8 mas/yr Epoch of Position: 2015.527091 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1500W | FAST | 4 | 1 | 1 | 11.1 | 63181.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | | No. Spectral Steps | Spectral Step Offset | | No. Spatial Steps | | Spatial Step Offset | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1500W |

Proposal 2302 - Observation 72 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 150 | 1 | 2 | 1 | 2 | 832.512 | 63181.4 |

Proposal 2302 - Observation 73 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|---|--------------------|--|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 73 Diagnostic Status: Warning Observing Template: MIRI Imaging | | | | | | | | | | |
| 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 | | | |
| | (91) | WISEJ0825+28 | RA: 08 25 7.3260 (126.2805250d) Dec: +28 05 47.20 (28.09644d) Equinox: J2000 | | | Proper Motion RA: -66.7 mas/yr Proper Motion Dec: -235.8 mas/yr Epoch of Position: 2015.527091 | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | |
| Template | Subarray FULL | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63181.5 |
| | 2 | F1800W | FASTR1 | 7 | 1 | 1 | Dither 1 | 4 | 4 | 77.701 | 63181.6 |
| | 3 | F2100W | FASTR1 | 16 | 1 | 1 | Dither 1 | 4 | 4 | 177.603 | 63181.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 63181.8 |

Proposal 2302 - Observation 116 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--|---|---------------------------------|--|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 116 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 116:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (92) | WISEPAJ1541-22 | RA: 15 41 51.2861 (235.4636921d) Dec: -22 50 26.11 (-22.84059d) Equinox: J2000 | | | Proper Motion RA: -902.8 mas/yr Proper Motion Dec: -91.4 mas/yr Epoch of Position: 2015.357563 | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB32 | CLEAR | NRSRAPIDD6 | 3 | 1 | 1 | 0.26 | 121789.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 5 | 1 | 1 | NONE | 5 | 5 | 46.842 |

Proposal 2302 - Observation 117 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|---|---|---------------------------|--|--|-----------------------------------|----------------------------|---------------------------|-------------------------------|----------------------------|---------------|
| Observation | Proposal 2302, Observation 117 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| | (Observation 117) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 117:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| | (92) | WISEPAJ1541-22 | RA: 15 41 51.2861 (235.4636921d) Dec: -22 50 26.11 (-22.84059d) Equinox: J2000 | Proper Motion RA: -902.8 mas/yr Proper Motion Dec: -91.4 mas/yr Epoch of Position: 2015.357563 | | | | | | |
| Comments: Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1500W | FAST | 4 | 1 | 1 | 11.1 | 61054.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1500W |

Proposal 2302 - Observation 117 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 75 | 1 | 2 | 1 | 2 | 416.256 | 61054.4 |

Proposal 2302 - Observation 118 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|--|--------------------|--|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 118 Diagnostic Status: Warning Observing Template: MIRI Imaging | | | | | | | | | | |
| Diagnostics | (Visit 118:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (92) | WISEPAJ1541-22 | RA: 15 41 51.2861 (235.4636921d) Dec: -22 50 26.11 (-22.84059d) Equinox: J2000 | | | Proper Motion RA: -902.8 mas/yr Proper Motion Dec: -91.4 mas/yr Epoch of Position: 2015.357563 | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | |
| Template | Subarray FULL | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 61054.5 |
| | 2 | F1800W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 61054.6 |
| | 3 | F2100W | FASTR1 | 9 | 2 | 1 | Dither 1 | 4 | 8 | 210.903 | 61054.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 61054.8 |

Proposal 2302 - Observation 119 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|---|---|---------------------------------|---|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 119 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 119:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (93) | WISEAJ2354+02 | RA: 23 54 2.9995 (358.5124979d) Dec: +02 40 11.63 (2.66990d) Equinox: J2000 | | | Proper Motion RA: 503.5 mas/yr Proper Motion Dec: -399.5 mas/yr Epoch of Position: 2017.291034 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB2048 | CLEAR | NRSRAPID | 3 | 1 | 1 | 3.628 | 61057.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 8 | 1 | 1 | NONE | 5 | 5 | 70.212 |

Proposal 2302 - Observation 120 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|--|--|---|--|--------------------------|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 120 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Visit 120:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| (93) | WISEAJ2354+02 | RA: 23 54 2.9995 (358.5124979d) Dec: +02 40 11.63 (2.66990d) Equinox: J2000 | Proper Motion RA: 503.5 mas/yr Proper Motion Dec: -399.5 mas/yr Epoch of Position: 2017.291034 | | | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| 1 | SAME | F1500W | FAST | 6 | 1 | 1 | 16.65 | 61057.3 | | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| 1 | ALONG SLIT NOD | | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| 1 | FASTR1 | 6 | 1 | 1 | 1 | 1 | 16.65 | | F1500W | |

Proposal 2302 - Observation 120 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 210 | 1 | 2 | 1 | 2 | 1165.517 | 61057.4 |

Proposal 2302 - Observation 121 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|--|--------------------|---|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 121 Diagnostic Status: Warning Observing Template: MIRI Imaging | | | | | | | | | | |
| Diagnostics | (Visit 121:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (93) | WISEAJ2354+02 | RA: 23 54 2.9995 (358.5124979d) Dec: +02 40 11.63 (2.66990d) Equinox: J2000 | | | Proper Motion RA: 503.5 mas/yr Proper Motion Dec: -399.5 mas/yr Epoch of Position: 2017.291034 | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | |
| Template | Subarray FULL | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 61057.5 |
| | 2 | F1800W | FASTR1 | 9 | 1 | 1 | Dither 1 | 4 | 4 | 99.901 | 61057.6 |
| | 3 | F2100W | FASTR1 | 30 | 1 | 1 | Dither 1 | 4 | 4 | 333.005 | 61057.7 |
| | 4 | F1000W | FASTR1 | 6 | 1 | 1 | Dither 1 | 4 | 4 | 66.601 | 61057.8 |

Proposal 2302 - Observation 47 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--|--|--------------------------|---|-----------------|------------|---|-------------------|------------------|--------------------|---------------------|------------------|
| Observation | Proposal 2302, Observation 47 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 47:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (101) | CWISEPJ1446-23 | RA: 14 46 6.4495 (221.5268729d) Dec: -23 17 19.85 (-23.28885d) Equinox: J2000 | | | Proper Motion RA: -796.1 mas/yr Proper Motion Dec: -913 mas/yr Epoch of Position: 2016.990308 | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB2048 | CLEAR | NRSRAPID | 3 | 1 | 1 | 3.628 | 61045.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 15 | 1 | 1 | NONE | 5 | 5 | 124.742 |

Proposal 2302 - Observation 48 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|------------------------------|---|--------------------|---|---|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 48 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Observation 48) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 48:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| | (101) | CWISEPJ1446-23 | RA: 14 46 6.4495 (221.5268729d) Dec: -23 17 19.85 (-23.28885d) Equinox: J2000 | Proper Motion RA: -796.1 mas/yr Proper Motion Dec: -913 mas/yr Epoch of Position: 2016.990308 | | | | | | |
| | <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1500W | FASTGRPAVG | 4 | 1 | 1 | 44.401 | 61045.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1500W |

Proposal 2302 - Observation 48 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the M...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 425 | 3 | 6 | 1 | 2 | 7087.452 | 61045.4 |

| | | | | | | | | | | | |
|--------------------------|--|--------------------|---|-------------------------|-------------------------|---|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 49</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| Diagnostics | (Visit 49:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (101) | CWISEPJ1446-23 | RA: 14 46 6.4495 (221.5268729d) Dec: -23 17 19.85 (-23.28885d) Equinox: J2000 | | | Proper Motion RA: -796.1 mas/yr Proper Motion Dec: -913 mas/yr Epoch of Position: 2016.990308 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 10 | 1 | 1 | Dither 1 | 4 | 4 | 111.002 | 61045.5 |
| | 2 | F1800W | FASTR1 | 29 | 1 | 1 | Dither 1 | 4 | 4 | 321.905 | 61045.6 |
| | 3 | F2100W | FASTR1 | 28 | 4 | 1 | Dither 1 | 4 | 16 | 1276.518 | 61045.7 |
| | 4 | F1000W | FASTR1 | 11 | 1 | 1 | Dither 1 | 4 | 4 | 122.102 | 61045.8 |

Proposal 2302 - Observation 122 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--|---|---------------------------------|--|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 122 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 122:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (102) | WISEJ2209+27 | RA: 22 09 6.1932 (332.2758050d) Dec: +27 11 37.11 (27.19364d) Equinox: J2000 | | | Proper Motion RA: 1202.2 mas/yr Proper Motion Dec: -1365.4 mas/yr Epoch of Position: 2015.40435318 | | | | | |
| <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB2048 | CLEAR | NRSRAPID | 3 | 1 | 1 | 3.628 | 59815.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 6 | 1 | 1 | NONE | 5 | 5 | 54.632 |

Proposal 2302 - Observation 123 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|---|---|--|--|--------------------------|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 123 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Observation 123) Warning (Form): Groups/Int cannot be 1, Groups/Int = 2 requires permission and Groups/Int of 3-4 is allowed but not recommended. (Visit 123:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| (102) | WISEJ2209+27 | RA: 22 09 6.1932 (332.2758050d) Dec: +27 11 37.11 (27.19364d) Equinox: J2000 | Proper Motion RA: 1202.2 mas/yr Proper Motion Dec: -1365.4 mas/yr Epoch of Position: 2015.40435318 | | | | | | | |
| Comments: Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| 1 | SAME | F1500W | FAST | 4 | 1 | 1 | 11.1 | 59815.3 | | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| 1 | ALONG SLIT NOD | | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| 1 | FASTR1 | 4 | 1 | 1 | 1 | 1 | 11.1 | | F1500W | |

Proposal 2302 - Observation 123 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 185 | 1 | 2 | 1 | 2 | 1026.765 | 59815.4 |

Proposal 2302 - Observation 124 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|--------------------------|--|--------------------|--|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 124 Diagnostic Status: Warning Observing Template: MIRI Imaging | | | | | | | | | | |
| Diagnostics | (Visit 124:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (102) | WISEJ2209+27 | RA: 22 09 6.1932 (332.2758050d) Dec: +27 11 37.11 (27.19364d) Equinox: J2000 | | | Proper Motion RA: 1202.2 mas/yr Proper Motion Dec: -1365.4 mas/yr Epoch of Position: 2015.40435318 | | | | | |
| | <i>Comments:</i> Category=Star Description=[Brown dwarfs, Y dwarfs] Extended=NO | | | | | | | | | | |
| Template | Subarray FULL | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 59815.5 |
| | 2 | F1800W | FASTR1 | 7 | 1 | 1 | Dither 1 | 4 | 4 | 77.701 | 59815.6 |
| | 3 | F2100W | FASTR1 | 15 | 1 | 1 | Dither 1 | 4 | 4 | 166.502 | 59815.7 |
| | 4 | F1000W | FASTR1 | 5 | 1 | 1 | Dither 1 | 4 | 4 | 55.501 | 59815.8 |

Proposal 2302 - Observation 125 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | | |
|---|---|---------------------------------|---|------------------------|-------------------|--|--------------------------|-------------------------|---------------------------|----------------------------|-------------------------|
| Observation | Proposal 2302, Observation 125 Diagnostic Status: Warning Observing Template: NIRSpec Fixed Slit Spectroscopy | | | | | | | | | | |
| | (Visit 125:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | | Miscellaneous | | |
| | (103) | CWISEPJ1047+54 | RA: 10 47 56.6242 (161.9859342d) Dec: +54 57 41.06 (54.96141d) Equinox: J2000 | | | Proper Motion RA: -447.9 mas/yr Proper Motion Dec: -65.5 mas/yr Epoch of Position: 2016.910691 | | | | | |
| <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | | | |
| Acquisition | # | Target | TA Method | Subarray | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | SAME | WATA | SUB2048 | CLEAR | NRSRAPID | 3 | 1 | 1 | 3.628 | 63548.1 |
| Template | Slit | | | | | Subarray | | | | | |
| | S200A1 | | | | | SUBS200A1 | | | | | |
| Dithers | # | Primary Dither Positions | | | | | Sub-Pixel Pattern | | | | |
| | 1 | 5 | | | | | NONE | | | | |
| Spectral Elements | # | Grating/Filter | Slit | Readout Pattern | Groups/Int | Integrations/Ex # | Autocal | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | PRISM/CLEAR | S200A1 | NRSRAPID | 21 | 1 | 1 | NONE | 5 | 5 | 171.482 |

Proposal 2302 - Observation 126 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

Wed Jun 28 22:01:13 GMT 2023

| | | | | | | | | | | |
|------------------------------|--|--------------------|---|--|----------------------------|---------------------|--------------------|------------------------|---------------------|--------|
| Observation | Proposal 2302, Observation 126 Diagnostic Status: Warning Observing Template: MIRI Low Resolution Spectroscopy | | | | | | | | | |
| Diagnostics | (Visit 126:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | | Miscellaneous | | | |
| | (103) | CWISEPJ1047+54 | RA: 10 47 56.6242 (161.9859342d) Dec: +54 57 41.06 (54.96141d) Equinox: J2000 | Proper Motion RA: -447.9 mas/yr Proper Motion Dec: -65.5 mas/yr Epoch of Position: 2016.910691 | | | | | | |
| | <i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i> | | | | | | | | | |
| Acquisition | # | Target | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID | |
| | 1 | SAME | F1500W | FASTGRPAVG | 6 | 1 | 1 | 66.601 | 63548.3 | |
| Template | Subarray | | | | Obtain Verification Image? | | | | | |
| | FULL | | | | true | | | | | |
| Dithers | # | Dither Type | No. Spectral Steps | Spectral Step Offset | No. Spatial Steps | Spatial Step Offset | | | | |
| | 1 | ALONG SLIT NOD | | | | | | | | |
| Pointing Verification | # | PV Readout Pattern | PV Groups/Int | PV Integrations/Exp | PV Total Integrations | PV Exposures/Dith | PV Total Dithers | PV Total Exposure Time | PV ETC Wkbk.Calc ID | Filter |
| | 1 | FASTR1 | 6 | 1 | 1 | 1 | 1 | 16.65 | | F1500W |

Proposal 2302 - Observation 126 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

| Spectral Elements | # | Readout Pattern | Groups/Int | Integrations/Exp | Total Integrations | Exposures/Dith | Total Dithers | Total Exposure Time | ETC Wkbk.Calc ID |
|-------------------|---|-----------------|------------|------------------|--------------------|----------------|---------------|---------------------|------------------|
| | 1 | FASTR1 | 605 | 5 | 10 | 1 | 2 | 16811.192 | 63548.4 |

Proposal 2302 - Observation 127 - Bolometric Luminosities of Cool Brown Dwarfs: The Key to Their Effective Temperatures and the ...

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| | | | | | | | | | | | |
|--------------------------|---|--------------------|---|-------------------------|-------------------------|--|-----------------------|----------------------|---------------------------|----------------------------|-------------------------|
| Observation | <p>Proposal 2302, Observation 127</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: MIRI Imaging</p> | | | | | | | | | | |
| Diagnostics | (Visit 127:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | | Targ. Coord. Corrections | | Miscellaneous | | | |
| | (103) | CWISEPJ1047+54 | RA: 10 47 56.6242 (161.9859342d) Dec: +54 57 41.06 (54.96141d) Equinox: J2000 | | | Proper Motion RA: -447.9 mas/yr Proper Motion Dec: -65.5 mas/yr Epoch of Position: 2016.910691 | | | | | |
| | <p><i>Comments:</i> <i>Category=Star</i> <i>Description=[Brown dwarfs, Y dwarfs]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Template | <p>Subarray</p> <p>FULL</p> | | | | | | | | | | |
| Dithers | # | Dither Type | Starting Point | Number of Points | Points | Starting Set | Number of Sets | Optimized For | Direction | Pattern Size | |
| | 1 | CYCLING | 20 | 4 | | 5 | 1 | | | MEDIUM | |
| Spectral Elements | # | Filter | Readout Pattern | Groups/Int | Integrations/Exp | Exposures/Dith | Dither | Total Dithers | Total Integrations | Total Exposure Time | ETC Wkbk.Calc ID |
| | 1 | F1500W | FASTR1 | 16 | 1 | 1 | Dither 1 | 4 | 4 | 177.603 | 63548.5 |
| | 2 | F1800W | FASTR1 | 22 | 3 | 1 | Dither 1 | 4 | 12 | 754.811 | 63548.6 |
| | 3 | F2100W | FASTR1 | 37 | 8 | 1 | Dither 1 | 4 | 32 | 3363.348 | 63548.7 |
| | 4 | F1000W | FASTR1 | 15 | 1 | 1 | Dither 1 | 4 | 4 | 166.502 | 63548.8 |