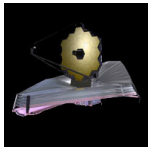

3271 - Characterizing the End Stage of Exoplanetary Systems

Cycle: 2, Proposal Category: GO

INVESTIGATORS

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Observation Folder				
	1	MRS_GD56	MIRI Medium Resolution Spectroscopy	(1) GD-56
	3	MRS_GD133	MIRI Medium Resolution Spectroscopy	(3) GD-133
	4	MRS_WD1150	MIRI Medium Resolution Spectroscopy	(4) WD1150
	5	F2100W_GD16	MIRI Imaging	(5) GD-16
	10	F2100W_GD133	MIRI Imaging	(3) GD-133
	6	MRS_GD16	MIRI Medium Resolution Spectroscopy	(5) GD-16
	7	F2100W_GD40	MIRI Imaging	(6) GD-40
	9	F2100W_GD56	MIRI Imaging	(1) GD-56
	11	F2100W_WD1150	MIRI Imaging	(4) WD1150
	8	MRS_GD40	MIRI Medium Resolution Spectroscopy	(6) GD-40
	17	F2100W_GD40 - Repeat of observation 7	MIRI Imaging	(6) GD-40
	18	MRS_GD40 - Repeat of observation 8	MIRI Medium Resolution Spectroscopy	(6) GD-40

ABSTRACT

Planetary systems are ubiquitous around young and old stars. In addition to planets orbiting a star, a planetary system also harbors minor bodies like asteroids and comets, signaling their presence as circumstellar dusty and gaseous material. Through various observing techniques (e.g., infrared excesses and metal pollution in white dwarf atmospheres), we now know that dusty material exists around hundreds of white dwarfs, the end stage of the majority of the stars. Standard models suggest that these dusty disks are formed by the tidal disruption of a scattered planet or minor bodies, feeding heavy elements onto white dwarfs that pollute their otherwise pure hydrogen or helium atmospheres. To better understand the formation and evolution of dusty disks around stellar remnants, we propose MIRI/MRS observations for a sample of bright dusty white dwarfs that show distinct 10 micron silicate features revealed from low-resolution Spitzer data. We aim to combine these data with state-of-the-art models to comprehensively probe the dust composition and geometric structures in the disk, and assess its dynamical stage by comparing with theoretical expectations. Detailed dust mineralogy derived from the data will allow for a direct comparison with the metal abundance measured from the atmospheric pollution, and shed light on the size and formation condition of disintegrating bodies.

OBSERVING DESCRIPTION

MIRI/MRS observations for six bright dusty white dwarfs that show distinct 10 micron silicate features revealed from low-resolution Spitzer data. For two of the fainter targets, an additional MIRI/F2100W image will be requested to better calibrate the long-wavelength spectrum.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	GD-56	RA: 04 11 2.1687 (62.7590362d) Dec: -03 58 22.59 (-3.97294d) Equinox: J2000	Proper Motion RA: 3.6800000000000006 mas/yr Proper Motion Dec: -128.54999993123783 mas/yr Epoch of Position: 2000	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[White dwarfs]*				
(3)	GD-133	RA: 11 19 12.3989 (169.8016621d) Dec: +02 20 33.05 (2.34251d) Equinox: J2000	Proper Motion RA: -100.334 mas/yr Proper Motion Dec: 30.977999999999998 mas/yr Epoch of Position: 2000	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[White dwarfs]*				
(4)	WD1150	RA: 11 53 15.2581 (178.3135754d) Dec: -15 36 36.51 (-15.61014d) Equinox: J2000	Proper Motion RA: -35.068 mas/yr Proper Motion Dec: -57.1549999904164 mas/yr Epoch of Position: 2000	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[White dwarfs]*				
(5)	GD-16	RA: 01 48 56.7966 (27.2366525d) Dec: +19 02 27.48 (19.04097d) Equinox: J2000	Proper Motion RA: 224.549 mas/yr Proper Motion Dec: -110.29399995550193 mas/yr Epoch of Position: 2000	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[White dwarfs]*				
(6)	GD-40	RA: 03 02 53.1037 (45.7212654d) Dec: -01 08 33.80 (-1.14272d) Equinox: J2000	Proper Motion RA: -88.802 mas/yr Proper Motion Dec: -35.65699998944183 mas/yr Epoch of Position: 2000	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[White dwarfs]*				

Observation

Proposal 3271, Observation 1: MRS_GD56 Wed Jan 31 20:00:12 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	GD-56	RA: 04 11 2.1687 (62.7590362d)	Proper Motion RA: 3.6800000000000006 mas/yr	
		Dec: -03 58 22.59 (-3.97294d)	Proper Motion Dec: -128.54999993123783 mas/yr	
		Equinox: J2000	Epoch of Position: 2000	

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

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	6	1	1	16.65	13

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	NEUTRAL

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SHORT(A)	MRSLONG		FASTR1	100	1	1	Dither 1	4	4	1110.016	133097
1	SHORT(A)	MRSSHORT		FASTR1	100	1	1	Dither 1	4	4	1110.016	133097
2	MEDIUM(B)	MRSLONG		FASTR1	100	1	1	Dither 1	4	4	1110.016	133097
2	MEDIUM(B)	MRSSHORT		FASTR1	100	1	1	Dither 1	4	4	1110.016	133097
3	LONG(C)	MRSLONG		FASTR1	100	1	1	Dither 1	4	4	1110.016	133097
3	LONG(C)	MRSSHORT		FASTR1	100	1	1	Dither 1	4	4	1110.016	133097

Special Requirements	Group Observations 1, 9, Non-interruptible

Observation

Proposal 3271, Observation 3: MRS_GD133

Wed Jan 31 20:00:12 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	GD-133	RA: 11 19 12.3989 (169.8016621d)	Proper Motion RA: -100.334 mas/yr	
		Dec: +02 20 33.05 (2.34251d)	Proper Motion Dec: 30.977999999999998 mas/yr	
		Equinox: J2000	Epoch of Position: 2000	

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

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	6	1	1	16.65	133097

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	NEUTRAL

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SHORT(A)	MRSLONG		FASTR1	80	2	1	Dither 1	4	8	1787.126	133097
1	SHORT(A)	MRSSHORT		FASTR1	80	2	1	Dither 1	4	8	1787.126	133097
2	MEDIUM(B)	MRSLONG		FASTR1	80	2	1	Dither 1	4	8	1787.126	133097
2	MEDIUM(B)	MRSSHORT		FASTR1	80	2	1	Dither 1	4	8	1787.126	133097
3	LONG(C)	MRSLONG		FASTR1	80	2	1	Dither 1	4	8	1787.126	133097
3	LONG(C)	MRSSHORT		FASTR1	80	2	1	Dither 1	4	8	1787.126	133097

Special Requirements	Group Observations 3, 10, Non-interruptible

Observation

Proposal 3271, Observation 4: MRS_WD1150

Wed Jan 31 20:00:12 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	WD1150	RA: 11 53 15.2581 (178.3135754d)	Proper Motion RA: -35.068 mas/yr	
		Dec: -15 36 36.51 (-15.61014d)	Proper Motion Dec: -57.1549999904164 mas/yr	
		Equinox: J2000	Epoch of Position: 2000	

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

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	6	1	1	16.65	133097

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	NEUTRAL

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SHORT(A)	MRSLONG		FASTR1	80	2	1	Dither 1	4	8	1787.126	133097
1	SHORT(A)	MRSSHORT		FASTR1	80	2	1	Dither 1	4	8	1787.126	133097
2	MEDIUM(B)	MRSLONG		FASTR1	80	2	1	Dither 1	4	8	1787.126	133097
2	MEDIUM(B)	MRSSHORT		FASTR1	80	2	1	Dither 1	4	8	1787.126	133097
3	LONG(C)	MRSLONG		FASTR1	80	2	1	Dither 1	4	8	1787.126	133097
3	LONG(C)	MRSSHORT		FASTR1	80	2	1	Dither 1	4	8	1787.126	133097

Special Requirements	Group Observations 4, 11, Non-interruptible

Observation

Proposal 3271, Observation 5: F2100W_GD16

Wed Jan 31 20:00:12 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	GD-16	RA: 01 48 56.7966 (27.2366525d)	Proper Motion RA: 224.549 mas/yr	
		Dec: +19 02 27.48 (19.04097d)	Proper Motion Dec: -110.29399995550193 mas/yr	
		Equinox: J2000	Epoch of Position: 2000	

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

Template

Subarray
FULL

Dithers

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

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F2100W	FASTR1	10	2	1	Dither 1	4	8	233.103	133097

Special Requirements

Group Observations 5, 6, Non-interruptible

Observation

Proposal 3271, Observation 10: F2100W_GD133 Wed Jan 31 20:00:12 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	GD-133	RA: 11 19 12.3989 (169.8016621d)	Proper Motion RA: -100.334 mas/yr	
		Dec: +02 20 33.05 (2.34251d)	Proper Motion Dec: 30.977999999999998 mas/yr	
		Equinox: J2000	Epoch of Position: 2000	

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

Template

Subarray
FULL

Dithers

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

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F2100W	FASTR1	10	2	1	Dither 1	4	8	233.103	133097

Special Requirements

Group Observations 3, 10, Non-interruptible

Observation

Proposal 3271, Observation 6: MRS_GD16 Wed Jan 31 20:00:12 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	GD-16	RA: 01 48 56.7966 (27.2366525d)	Proper Motion RA: 224.549 mas/yr	
		Dec: +19 02 27.48 (19.04097d)	Proper Motion Dec: -110.29399995550193 mas/yr	
		Equinox: J2000	Epoch of Position: 2000	

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

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	6	1	1	16.65	13

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	NEUTRAL

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SHORT(A)	MRSLONG		SLOWR1	15	2	1	Dither 1	4	8	2962.35	133097
1	SHORT(A)	MRSSHORT		SLOWR1	15	2	1	Dither 1	4	8	2962.35	133097
2	MEDIUM(B)	MRSLONG		SLOWR1	15	2	1	Dither 1	4	8	2962.35	133097
2	MEDIUM(B)	MRSSHORT		SLOWR1	15	2	1	Dither 1	4	8	2962.35	133097
3	LONG(C)	MRSLONG		SLOWR1	15	2	1	Dither 1	4	8	2962.35	133097
3	LONG(C)	MRSSHORT		SLOWR1	15	2	1	Dither 1	4	8	2962.35	133097

Special Requirements	Group Observations 5, 6, Non-interruptible

Observation

Proposal 3271, Observation 7: F2100W_GD40 Wed Jan 31 20:00:12 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	GD-40	RA: 03 02 53.1037 (45.7212654d)	Proper Motion RA: -88.802 mas/yr	
		Dec: -01 08 33.80 (-1.14272d)	Proper Motion Dec: -35.65699998944183 mas/yr	
		Equinox: J2000	Epoch of Position: 2000	

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

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	5		1	1			DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F2100W	FASTR1	20	1	1	Dither 1	5	5	277.504	133097

Special Requirements

Group Observations 7, 8, Non-interruptible

Observation

Proposal 3271, Observation 9: F2100W_GD56 Wed Jan 31 20:00:12 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	GD-56	RA: 04 11 2.1687 (62.7590362d)	Proper Motion RA: 3.6800000000000006 mas/yr	
		Dec: -03 58 22.59 (-3.97294d)	Proper Motion Dec: -128.54999993123783 mas/yr	
		Equinox: J2000	Epoch of Position: 2000	

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

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	5		1	1			DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F2100W	FASTR1	20	1	1	Dither 1	5	5	277.504	133097

Special Requirements

Group Observations 1, 9, Non-interruptible

Observation

Proposal 3271, Observation 11: F2100W_WD1150 Wed Jan 31 20:00:12 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(4)	WD1150	RA: 11 53 15.2581 (178.3135754d)	Proper Motion RA: -35.068 mas/yr	
		Dec: -15 36 36.51 (-15.61014d)	Proper Motion Dec: -57.1549999904164 mas/yr	
		Equinox: J2000	Epoch of Position: 2000	

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

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	5		1	1			DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F2100W	FASTR1	20	1	1	Dither 1	5	5	277.504	133097

Special Requirements

Group Observations 4, 11, Non-interruptible

Observation

Proposal 3271, Observation 8: MRS_GD40 Wed Jan 31 20:00:12 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	GD-40	RA: 03 02 53.1037 (45.7212654d)	Proper Motion RA: -88.802 mas/yr	
		Dec: -01 08 33.80 (-1.14272d)	Proper Motion Dec: -35.65699998944183 mas/yr	
		Equinox: J2000	Epoch of Position: 2000	

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

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	6	1	1	16.65	13

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	NEUTRAL

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	LONG(C)	MRSLONG		SLOWR1	25	2	1	Dither 1	4	8	4873.544	133097
1	LONG(C)	MRSSHORT		SLOWR1	25	2	1	Dither 1	4	8	4873.544	133097
2	MEDIUM(B)	MRSLONG		SLOWR1	25	2	1	Dither 1	4	8	4873.544	133097
2	MEDIUM(B)	MRSSHORT		SLOWR1	25	2	1	Dither 1	4	8	4873.544	133097
3	SHORT(A)	MRSLONG		SLOWR1	25	2	1	Dither 1	4	8	4873.544	133097
3	SHORT(A)	MRSSHORT		SLOWR1	25	2	1	Dither 1	4	8	4873.544	133097

Special Requirements	Group Observations 7, 8, Non-interruptible

Observation

Proposal 3271, Observation 17: F2100W_GD40 - Repeat of observation 7

Wed Jan 31 20:00:12 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Imaging

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	GD-40	RA: 03 02 53.1037 (45.7212654d)	Proper Motion RA: -88.802 mas/yr	
		Dec: -01 08 33.80 (-1.14272d)	Proper Motion Dec: -35.65699998944183 mas/yr	
		Equinox: J2000	Epoch of Position: 2000	

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

Template

Subarray
FULL

Dithers

#	Dither Type	Starting Point	Number of Points	Points	Starting Set	Number of Sets	Optimized For	Direction	Pattern Size
1	CYCLING	1	5		1	1			DEFAULT

Spectral Elements

#	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F2100W	FASTR1	20	1	1	Dither 1	5	5	277.504	133097

Special Requirements

Group Observations 17, 18, Non-interruptible

Observation

Proposal 3271, Observation 18: MRS_GD40 - Repeat of observation 8

Wed Jan 31 20:00:12 GMT 2024

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	GD-40	RA: 03 02 53.1037 (45.7212654d)	Proper Motion RA: -88.802 mas/yr	
		Dec: -01 08 33.80 (-1.14272d)	Proper Motion Dec: -35.65699998944183 mas/yr	
		Equinox: J2000	Epoch of Position: 2000	

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

Acquisition

#	Target	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	F560W	FAST	6	1	1	16.65	13

Template

Primary Channel	Simultaneous Imaging	Imager Subarray	Grating Wheel Direction
All MRS	NO	FULL	NEUTRAL

Dithers

#	Dither Type	Optimized For	Direction
1	4-Point	POINT SOURCE	NEGATIVE

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	LONG(C)	MRSLONG		SLOWR1	25	2	1	Dither 1	4	8	4873.544	133097
1	LONG(C)	MRSSHORT		SLOWR1	25	2	1	Dither 1	4	8	4873.544	133097
2	MEDIUM(B)	MRSLONG		SLOWR1	25	2	1	Dither 1	4	8	4873.544	133097
2	MEDIUM(B)	MRSSHORT		SLOWR1	25	2	1	Dither 1	4	8	4873.544	133097
3	SHORT(A)	MRSLONG		SLOWR1	25	2	1	Dither 1	4	8	4873.544	133097
3	SHORT(A)	MRSSHORT		SLOWR1	25	2	1	Dither 1	4	8	4873.544	133097

Special Requirements	Group Observations 17, 18, Non-interruptible