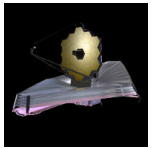

3225 - What are the real mass loss rates of massive stars?

Cycle: 2, Proposal Category: GO

INVESTIGATORS

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
G395H spec				
	1	NGC346-ELS-090	NIRSpec Fixed Slit Spectroscopy	(1) NGC346-ELS-090
	2	AZV468	NIRSpec Fixed Slit Spectroscopy	(2) AZV468
	3	MPG012	NIRSpec Fixed Slit Spectroscopy	(3) MPG012
	4	AZV461	NIRSpec Fixed Slit Spectroscopy	(4) AZV461

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	5	AZV170	NIRSpec Fixed Slit Spectroscopy	(5) AZV170
	6	AZV396	NIRSpec Fixed Slit Spectroscopy	(6) AZV396
	7	AZV440	NIRSpec Fixed Slit Spectroscopy	(7) AZV440
	8	AZV446	NIRSpec Fixed Slit Spectroscopy	(8) AZV446
	9	AZV207	NIRSpec Fixed Slit Spectroscopy	(9) AZV207
	10	AZV378	NIRSpec Fixed Slit Spectroscopy	(10) AZV378
	11	AZV223	NIRSpec Fixed Slit Spectroscopy	(11) AZV223
	12	AZV177	NIRSpec Fixed Slit Spectroscopy	(12) AZV177
	13	AZV388	NIRSpec Fixed Slit Spectroscopy	(13) AZV388
	14	AZV95	NIRSpec Fixed Slit Spectroscopy	(14) AZV95
	15	AZV15	NIRSpec Fixed Slit Spectroscopy	(15) AZV15

ABSTRACT

Mass loss is a key physical process ruling the evolution of massive stars, whose impact propagates into galactic evolution, population synthesis models, the interpretation of high-redshift galaxies, explosive events like SN, and our understanding of the First Stars. However, there are currently substantial uncertainties in the low-metallicity (Z), low-luminosity regimes where the classical diagnostics, H-alpha and UV P-Cygni profiles, fail to yield true mass-loss rates. Only upper limits exist for most of the parameter space of interest and this is insufficient to inform the models of evolution.

In contrast, the Br-alpha line in the mid-IR breaks this degeneracy, enabling accurate determination of very low mass loss rates that are also independent from assumptions concerning wind inhomogeneities and wind X-ray emission. The technique has already been demonstrated for bright O-stars in the Milky Way. However, our primary low-Z laboratory is the Small Magellanic Cloud (SMC), where Br-alpha spectroscopy of O-stars is simply impossible for any facility other than JWST.

We propose to exploit JWST's superb sensitivity in the thermal IR to determine the mass-loss rates of SMC O-stars with thin winds for the first time. Our results will serve to anchor the physics of radiation-driven wind theory that is so crucial for our understanding of massive star evolution and their impact on the Universe.

OBSERVING DESCRIPTION

The program consists on Fixed-Slit NIRSpec observations of O-type stars in the SMC.

The same configuration is used for all of them:
NIRSpec
Grating: G395H
Blocking Filter: F290LP
Aperture: S200A2
Dithering pattern: 5 point Primary Dithers.
No sub-pixel pattern.
Detector strategy: Full-frame with NRSIRS2RAPID read-out is prefered.
In the event of data-volume violation, NRSIRS2 is used.

The number of integrations and groups has been tailor-estimated for each star so that signal-to-noise ratio SNR=150 is achieved at 4.07 microns.

All stars are concentrated within roughly a 1 degree radius circle on the sky.

Targets are isolated within the S200A2 slit and no ORIENT is specified.

Target coordinates were taken from the Gaia-DR3 catalog. Since accuracy is better than 100 mas, and the program has no ORIENT-requirement, target acquisition will be performed in WATA mode.

All targets are isolated within a 2" radius. Stars AzV396 and MPG012 have a nearby object at ~2", but it is fainter.

All targets have ecliptic latitudes of -64deg -- -65deg and no ORIENT is specified, hence observations at the Micrometeoroid Avoidance Zone can be easily minimized or avoided. This has been double-checked with the Meteoroid Safe Zone tool of the Visit Planner.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	NGC346-ELS-090	RA: 00 58 25.7015 (14.6070896d) Dec: -72 14 33.39 (-72.24261d) Equinox: J2000		
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*				
(2)	AZV468	RA: 01 12 5.8791 (18.0244962d) Dec: -72 40 56.62 (-72.68239d) Equinox: J2000		
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*				
(3)	MPG012	RA: 00 58 14.0883 (14.5587013d) Dec: -72 10 44.31 (-72.17898d) Equinox: J2000		
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*				
(4)	AZV461	RA: 01 11 25.5733 (17.8565554d) Dec: -72 09 48.82 (-72.16356d) Equinox: J2000		
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*				
(5)	AZV170	RA: 00 55 42.4323 (13.9268012d) Dec: -73 17 30.54 (-73.29182d) Equinox: J2000		
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*				
(6)	AZV396	RA: 01 06 4.2184 (16.5175767d) Dec: -72 13 34.18 (-72.22616d) Equinox: J2000		
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*				
(7)	AZV440	RA: 01 08 56.0235 (17.2334313d) Dec: -71 52 46.71 (-71.87964d) Equinox: J2000		
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*				

(8)	AZV446	RA: 01 09 25.4312 (17.3559633d) Dec: -73 09 29.93 (-73.15831d) Equinox: J2000
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*		
(9)	AZV207	RA: 00 58 33.1918 (14.6382992d) Dec: -71 55 46.74 (-71.92965d) Equinox: J2000
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*		
(10)	AZV378	RA: 01 05 9.4377 (16.2893238d) Dec: -72 05 34.68 (-72.09297d) Equinox: J2000
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*		
(11)	AZV223	RA: 00 59 13.4303 (14.8059596d) Dec: -72 39 2.65 (-72.65074d) Equinox: J2000
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*		
(12)	AZV177	RA: 00 56 44.1059 (14.1837746d) Dec: -72 03 31.70 (-72.05881d) Equinox: J2000
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*		
(13)	AZV388	RA: 01 05 39.5332 (16.4147217d) Dec: -72 29 26.96 (-72.49082d) Equinox: J2000
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*		
(14)	AZV95	RA: 00 51 21.6025 (12.8400104d) Dec: -72 44 14.89 (-72.73747d) Equinox: J2000
Comments: *Category=Star* *Description=[O stars]* *Extended=NO*		

	(15)	AZV15	RA: 00 46 42.1609 (11.6756704d) Dec: -73 24 55.51 (-73.41542d) Equinox: J2000
	Comments: *Category=Star* *Description=[O stars]* *Extended=NO*		

Observation

Proposal 3225, Observation 1: NGC346-ELS-090 Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit 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)	NGC346-ELS-090	RA: 00 58 25.7015 (14.6070896d) Dec: -72 14 33.39 (-72.24261d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2	20	6	1	NONE	5	30	44204.337	147241.28

Observation

Proposal 3225, Observation 2: AZV468 Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(2)	AZV468	RA: 01 12 5.8791 (18.0244962d) Dec: -72 40 56.62 (-72.68239d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2	20	3	1	NONE	5	15	22102.168	147241.31

Observation

Proposal 3225, Observation 3: MPG012 Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit 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)	MPG012	RA: 00 58 14.0883 (14.5587013d) Dec: -72 10 44.31 (-72.17898d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2	16	2	1	NONE	5	10	11817.001	147241.32

Observation

Proposal 3225, Observation 4: AZV461 Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit 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)	AZV461	RA: 01 11 25.5733 (17.8565554d) Dec: -72 09 48.82 (-72.16356d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2	18	2	1	NONE	5	10	13275.89	147241.33

Observation

Proposal 3225, Observation 5: AZV170 Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

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)	AZV170	RA: 00 55 42.4323 (13.9268012d) Dec: -73 17 30.54 (-73.29182d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2RAPID	80	1	1	NONE	5	5	5908.5	147241.35

Observation

Proposal 3225, Observation 6: AZV396 Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit 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
(6)	AZV396	RA: 01 06 4.2184 (16.5175767d) Dec: -72 13 34.18 (-72.22616d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2	13	2	1	NONE	5	10	9628.667	147241.42

Observation

Proposal 3225, Observation 7: AZV440 Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

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
(7)	AZV440	RA: 01 08 56.0235 (17.2334313d) Dec: -71 52 46.71 (-71.87964d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2	16	2	1	NONE	5	10	11817.001	147241.36

Observation

Proposal 3225, Observation 8: AZV446 Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit 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
(8)	AZV446	RA: 01 09 25.4312 (17.3559633d) Dec: -73 09 29.93 (-73.15831d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2	18	2	1	NONE	5	10	13275.89	147241.33

Observation

Proposal 3225, Observation 9: AZV207 Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

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
(9)	AZV207	RA: 00 58 33.1918 (14.6382992d) Dec: -71 55 46.74 (-71.92965d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2	20	1	1	NONE	5	5	7367.389	147241.37

Observation

Proposal 3225, Observation 10: AZV378

Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

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
(10)	AZV378	RA: 01 05 9.4377 (16.2893238d) Dec: -72 05 34.68 (-72.09297d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2RAPID	70	1	1	NONE	5	5	5179.056	147241.38

Observation

Proposal 3225, Observation 11: AZV223 Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

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
(11)	AZV223	RA: 00 59 13.4303 (14.8059596d) Dec: -72 39 2.65 (-72.65074d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2RAPID	60	1	1	NONE	5	5	4449.611	147241.40

Observation

Proposal 3225, Observation 12: AZV177

Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	AZV177	RA: 00 56 44.1059 (14.1837746d) Dec: -72 03 31.70 (-72.05881d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2	16	2	1	NONE	5	10	11817.001	147241.32

Observation

Proposal 3225, Observation 13: AZV388

Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(13)	AZV388	RA: 01 05 39.5332 (16.4147217d) Dec: -72 29 26.96 (-72.49082d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2RAPID	90	1	1	NONE	5	5	6637.945	147241.43

Observation

Proposal 3225, Observation 14: AZV95

Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(14)	AZV95	RA: 00 51 21.6025 (12.8400104d) Dec: -72 44 14.89 (-72.73747d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2	12	1	1	NONE	5	5	4449.611	147241.40

Observation

Proposal 3225, Observation 15: AZV15

Sat Jul 13 01:00:23 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(15)	AZV15	RA: 00 46 42.1609 (11.6756704d) Dec: -73 24 55.51 (-73.41542d) Equinox: J2000		

Comments:
Category=Star
Description=[O stars]
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	F110W	NRSRAPID	3	1	1	0.08	63549

Template

Slit	Subarray
S200A2	FULL

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	NONE

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	S200A2	NRSIRS2RAPID	30	1	1	NONE	5	5	2261.278	147241.41