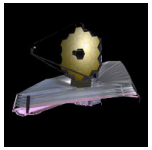

9268 - CAL-NRS-402: Fixed Slit Pathloss Correction Extention

Cycle: 4, Proposal Category: CAL/NIRSPEC

INVESTIGATORS

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
FXS Path losses				
	2	S200A1 slitlosses - 9 dithers	NIRSpec Fixed Slit Spectroscopy	(1) WG-7
	4	S200A1 slitlosses - 15 dithers	NIRSpec Fixed Slit Spectroscopy	(1) WG-7
	5	S200A2 slitlosses - 9 dithers	NIRSpec Fixed Slit Spectroscopy	(1) WG-7
	7	S200A2 slitlosses - 15 dithers	NIRSpec Fixed Slit Spectroscopy	(1) WG-7

ABSTRACT

This program aims to determine the pathlosses accurately in the 0.6-1.5 micron range where the spectra obtained in previous calibration programs were saturated, and therefore an accurate pathloss correction could not be derived in those wavelength ranges. These data will allow us to derive a precise pathloss correction in this wavelength range. This calibration program may change in response to system developments and the final Cycle 4 science program.

OBSERVING DESCRIPTION

We are observing a white dwarf that does not saturate in the 0.6-1.5 micron end before the two groups of integration. We will observe the target in the S200A1 and S200A2 slits using the 9 and 15 dither positions to determine the pathlosses in the 0.6-1.5 micron wavelength range, in these patterns that are the most affected by pathlosses.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	WG-7	RA: 03 09 47.9178 (47.4496575d)	Proper Motion RA: 149.261 mas/yr	
		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 66.806 mas/yr	
		Equinox: J2000	Parallax: 0.0201813"	
			Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[White dwarfs]

Observation

Proposal 9268, Observation 2: S200A1 slitlosses - 9 dithers

Tue Aug 12 20:00:12 GMT 2025

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
(1)	WG-7	RA: 03 09 47.9178 (47.4496575d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 149.261 mas/yr Proper Motion Dec: 66.806 mas/yr Parallax: 0.0201813" Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[White dwarfs]

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	109288

Template

HFF Readout Mode	Slit	Subarray
false	S200A1	SUBS200A1

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	3	SPECTRAL

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	S200A1	NRSRAPID	5	2	1	NONE	9	18	168.633	
2	PRISM/CLEAR	S200A1	NRSRAPID	5	2	2	NONE	9	18	168.633	
3	PRISM/CLEAR	S200A1	NRSRAPID	5	2	3	NONE	9	18	168.633	

Observation

Proposal 9268, Observation 4: S200A1 slitlosses - 15 dithers

Tue Aug 12 20:00:12 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

(S200A1 slitlosses - 15 dithers (Obs 4)) Warning (Form): Record ETC Wkbk.Calc ID used to verify target acquisition.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	WG-7	RA: 03 09 47.9178 (47.4496575d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 149.261 mas/yr Proper Motion Dec: 66.806 mas/yr Parallax: 0.0201813" Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[White dwarfs]

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	

Template

HFF Readout Mode	Slit	Subarray
false	S200A1	SUBS200A1

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	SPECTRAL

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	S200A1	NRSRAPID	5	2	1	NONE	15	30	281.054	
2	PRISM/CLEAR	S200A1	NRSRAPID	5	2	2	NONE	15	30	281.054	
3	PRISM/CLEAR	S200A1	NRSRAPID	5	2	3	NONE	15	30	281.054	

Observation

Proposal 9268, Observation 5: S200A2 slitlosses - 9 dithers

Tue Aug 12 20:00:12 GMT 2025

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
(1)	WG-7	RA: 03 09 47.9178 (47.4496575d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 149.261 mas/yr Proper Motion Dec: 66.806 mas/yr Parallax: 0.0201813" Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[White dwarfs]

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	109288

Template

HFF Readout Mode	Slit	Subarray
false	S200A2	SUBS200A2

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	3	SPECTRAL

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	S200A2	NRSRAPID	5	2	1	NONE	9	18	168.633	
2	PRISM/CLEAR	S200A2	NRSRAPID	5	2	2	NONE	9	18	168.633	
3	PRISM/CLEAR	S200A2	NRSRAPID	5	2	3	NONE	9	18	168.633	

Observation

Proposal 9268, Observation 7: S200A2 slitlosses - 15 dithers

Tue Aug 12 20:00:12 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRSpec Fixed Slit Spectroscopy

Diagnostics

(S200A2 slitlosses - 15 dithers (Obs 7)) Warning (Form): Record ETC Wkbk.Calc ID used to verify target acquisition.

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

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	WG-7	RA: 03 09 47.9178 (47.4496575d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 149.261 mas/yr Proper Motion Dec: 66.806 mas/yr Parallax: 0.0201813" Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[White dwarfs]

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	

Template

HFF Readout Mode	Slit	Subarray
false	S200A2	SUBS200A2

Dithers

#	Primary Dither Positions	Sub-Pixel Pattern
1	5	SPECTRAL

Spectral Elements

#	Grating/Filter	Slit	Readout Pattern	Groups/Int	Integrations/Exp	#	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	S200A2	NRSRAPID	5	2	1	NONE	15	30	281.054	
2	PRISM/CLEAR	S200A2	NRSRAPID	5	2	2	NONE	15	30	281.054	
3	PRISM/CLEAR	S200A2	NRSRAPID	5	2	3	NONE	15	30	281.054	