



9278 - CAL-NRS-413: MOS Pathlosses Extension

Cycle: 4, Proposal Category: CAL/NIRSPEC

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Observation Folder				
	1	PRISM moved around shutter	NIRSpec MultiObject Spectroscopy	(1) Gaia-DR3-3038045185547143936
	61	PRISM moved around shutter - repeat	NIRSpec MultiObject Spectroscopy	(1) Gaia-DR3-3038045185547143936

ABSTRACT

Sample the slit losses for the MSA shutters in the 1x1 and 1x3 shutter case at any given position of the shutter. The observations conducted during commissioning and Cycle 2 did not sufficiently sample the corners of the MSA shutter, thus an accurate and smooth slit loss calibration could not be produced. We will add extra pathlosses measurement for MOS at the corners of one shutter.

This calibration program may change in response to system developments and the final Cycle 4 science program.

OBSERVING DESCRIPTION

Not needed

Proposal 9278 - Targets - CAL-NRS-413: MOS Pathlosses Extension

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
	(1)	Gaia-DR3- 3038045185547143936	RA: 08 00 14.2126 (120.0592192d) Dec: -10 47 29.47 (-10.79152d) Equinox: J2000	Proper Motion RA: -1.7068523903317065E-4 sec of time/yr Proper Motion Dec: 0.004057000000000001 arcsec/yr Epoch of Position: 2015.5	
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=Calibration</i> <i>Description=[Photometric]</i> <i>Extended=NO</i></p>					

Proposal 9278 - Observation 1 - CAL-NRS-413: MOS Pathlosses Extension

Wed Apr 15 17:01:28 GMT 2026

Observation	<p>Proposal 9278, Observation 1: PRISM moved around shutter</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec MultiObject Spectroscopy</p>										
Diagnostics	<p>(PRISM moved around shutter (Obs 1)) Warning (Form): Observers are responsible for checking that target acquisition is feasible.</p> <p>(Visit 1:1) Warning (Form): Data Excess over lower threshold</p> <p>(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous			
	(1)	Gaia-DR3-3038045185547143936	RA: 08 00 14.2126 (120.0592192d) Dec: -10 47 29.47 (-10.79152d) Equinox: J2000		Proper Motion RA: -1.7068523903317065E-4 sec of time/yr Proper Motion Dec: 0.004057000000000001 arcsec/yr Epoch of Position: 2015.5						
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[Photometric]</i></p> <p><i>Extended=NO</i></p>										
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
	1	SAME	WATA	SUB32	CLEAR	NRSRAPID	3	1	1	0.08	
Template	HFF Readout Mode		Obtain Confirmation Images		Science Aperture		Primary Candidate List	Filler Candidate List	Spectral Overlap Map		Spectral Overlap Threshold
	false		No		Q4 Field Point 1				jwst-nirspec-prism		1.5

Proposal 9278 - Observation 1 - CAL-NRS-413: MOS Pathlosses Extension

#	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
1	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		0.0	0.0	0.0	3	30	1313.0
2	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.724806117005442E-6	0.465	0.425	3	30	1313.0
3	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.80225062774492E-6	0.47	0.455	3	30	1313.0
4	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.305584483514836E-6	0.435	0.47	3	30	1313.0
5	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.804270361268536E-6	0.47	0.465	3	30	1313.0
6	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.449364603920918E-6	0.445	0.475	3	30	1313.0
7	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.157764311644573E-6	0.425	0.445	3	30	1313.0
8	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.805280199382454E-6	0.47	0.47	3	30	1313.0
9	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		5.944618849506173E-6	0.41	0.45	3	30	1313.0
10	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999327492134	-0.465	-0.425	3	30	1313.0
11	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999312606354	-0.475	-0.455	3	30	1313.0
12	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999369412456	-0.435	-0.47	3	30	1313.0
13	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999319542377	-0.47	-0.465	3	30	1313.0
14	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.9999935503353	-0.445	-0.475	3	30	1313.0
15	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999384196815	-0.425	-0.445	3	30	1313.0
16	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.9999940551177	-0.41	-0.45	3	30	1313.0
17	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.9999934941524	-0.45	-0.4	3	30	1313.0
18	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.999999089153	0.0	-0.45	3	30	1313.0
19	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		1.3326238343523486E-6	0.1	-0.47	3	30	1313.0
20	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		2.7624054856645836E-6	0.2	-0.46	3	30	1313.0
21	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		3.478307570369951E-6	0.25	-0.45	3	30	1313.0
22	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		4.908087709073606E-6	0.35	-0.44	3	30	1313.0
23	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.9999984811591	-0.1	-0.45	3	30	1313.0
24	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999705137753	-0.2	-0.46	3	30	1313.0
25	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999634155176	-0.25	-0.44	3	30	1313.0
26	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.9999956317273	-0.3	-0.42	3	30	1313.0

Proposal 9278 - Observation 1 - CAL-NRS-413: MOS Pathlosses Extension

#	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
27	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999351442 38	-0.45	-0.3	3	30	1313.0
28	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999386077 01	-0.43	0.0	3	30	1313.0
29	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999333020 45	-0.47	0.2	3	30	1313.0
30	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.3540407561083 1E-6	0.45	-0.35	3	30	1313.0
31	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.1190271622369 49E-6	0.43	-0.1	3	30	1313.0
32	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.5675572599852 59E-6	0.46	0.0	3	30	1313.0
33	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.3022190955839 99E-6	0.44	0.1	3	30	1313.0
34	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.7406387915385 85E-6	0.47	0.15	3	30	1313.0
35	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.4651967742512 E-6	0.45	0.2	3	30	1313.0
36	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.0469839074434 35E-6	0.42	0.25	3	30	1313.0
37	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.6382713902039 395E-6	0.46	0.35	3	30	1313.0
38	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.4247841644703 22E-6	0.45	0.0	3	30	1313.0

Proposal 9278 - Observation 61 - CAL-NRS-413: MOS Pathlosses Extension

Wed Apr 15 17:01:28 GMT 2026

Observation	<p>Proposal 9278, Observation 61: PRISM moved around shutter - repeat</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec MultiObject Spectroscopy</p>										
Diagnostics	<p>(PRISM moved around shutter - repeat (Obs 61)) Warning (Form): Observers are responsible for checking that target acquisition is feasible.</p> <p>(Visit 61:1) Warning (Form): Data Excess over lower threshold</p> <p>(Visit 61:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Miscellaneous			
	(1)	Gaia-DR3-3038045185547143936	RA: 08 00 14.2126 (120.0592192d) Dec: -10 47 29.47 (-10.79152d) Equinox: J2000		Proper Motion RA: -1.7068523903317065E-4 sec of time/yr Proper Motion Dec: 0.004057000000000001 arcsec/yr Epoch of Position: 2015.5						
	<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Category=Calibration</i></p> <p><i>Description=[Photometric]</i></p> <p><i>Extended=NO</i></p>										
Acquisition	#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
	1	SAME	WATA	SUB32	CLEAR	NRSRAPID	3	1	1	0.08	
Template	HFF Readout Mode		Obtain Confirmation Images		Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map		Spectral Overlap Threshold	
	false		No		Q4 Field Point 1			jwst-nirspec-prism		1.5	

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#	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
1	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		0.0	0.0	0.0	3	30	1313.0
2	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.9999973587024	-0.185	0.0	3	30	1313.0
3	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.9999997085774	0.0	-0.144	3	30	1313.0
4	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		5.2825996524522555E-6	0.37	0.0	3	30	1313.0
5	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.9999973878563	-0.185	0.144	3	30	1313.0
6	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		5.311704705233532E-6	0.37	0.144	3	30	1313.0
7	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		5.827068439023127E-8	0.0	0.288	3	30	1313.0
8	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		2.583042617803238E-6	0.185	-0.288	3	30	1313.0
9	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		5.340805117056667E-6	0.37	0.288	3	30	1313.0
10	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		8.780363351206693E-8	0.0	0.434	3	30	1313.0
11	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999727080785	-0.185	-0.434	3	30	1313.0
12	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		5.370305075268659E-6	0.37	0.434	3	30	1313.0
13	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999323257015	-0.474	0.0	3	30	1313.0
14	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999901424	0.0	-0.487	3	30	1313.0
15	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.8658216702133935E-6	0.474	0.487	3	30	1313.0
16	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		4.647561937514787E-6	0.32	0.39	3	30	1313.0
17	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.9999949953182	-0.345	-0.39	3	30	1313.0
18	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		5.361415153792656E-6	0.37	0.39	3	30	1313.0
19	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999534779784	-0.32	-0.412	3	30	1313.0
20	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		5.008933867355134E-6	0.345	0.412	3	30	1313.0
21	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.9999946339215	-0.37	-0.412	3	30	1313.0
22	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		4.656453188252874E-6	0.32	0.434	3	30	1313.0
23	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.9999949864011	-0.345	-0.434	3	30	1313.0
24	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.999995723801	-0.299	-0.036	3	30	1313.0
25	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		5.268045407188231E-6	0.37	-0.072	3	30	1313.0
26	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		4.290745045064042E-6	0.299	0.108	3	30	1313.0

Proposal 9278 - Observation 61 - CAL-NRS-413: MOS Pathlosses Extension

#	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
27	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999569463 125	-0.299	-0.18	3	30	1313.0
28	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999476115 994	-0.37	0.216	3	30	1313.0
29	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		4.3198528996089 365E-6	0.299	0.252	3	30	1313.0
30	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999579670 526	-0.299	0.324	3	30	1313.0
31	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		5.2098170070832 81E-6	0.37	-0.36	3	30	1313.0
32	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		8.5663736414867 44E-7	0.06	0.0	3	30	1313.0
33	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999926024 674	-0.046	-0.41	3	30	1313.0
34	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		1.2256897072890 807E-6	0.092	-0.434	3	30	1313.0
35	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		2.0674578712737 48E-6	0.139	0.41	3	30	1313.0
36	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		359.99999661890 31	-0.231	-0.41	3	30	1313.0
37	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		3.8813162916162 53E-6	0.278	-0.434	3	30	1313.0
38	1 (PRISM/CLEAR)	Q4 Field Point 1 Long Slit	3 Shutter Slitlet		6.0707170225291 244E-9	0.0	0.03	3	30	1313.0