



6636 - CAL-NRS-304: MSA Operability Monitor

Cycle: 3, Proposal Category: CAL/NIRSPEC

INVESTIGATORS

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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Yearly high contrast map				
	1	High contrast map	NIRSpec Internal Lamp	NONE
MSA Operability Monitor - Epoch 1				
	11	MSA Op Monitor - AL LOPEN	NIRSpec Internal Lamp	NONE
	12	MSA Op Monitor - CH KBD1x1-1	NIRSpec Internal Lamp	NONE
	13	MSA Op Monitor - CH KBD1x1-2	NIRSpec Internal Lamp	NONE
	14	MSA Op Monitor - AL LCLOSED	NIRSpec Internal Lamp	NONE
MSA Operability Monitor - Epoch 2				
	21	MSA Op Monitor - AL LOPEN	NIRSpec Internal Lamp	NONE
	22	MSA Op Monitor - CH KBD1x1-1	NIRSpec Internal Lamp	NONE
	23	MSA Op Monitor - CH KBD1x1-2	NIRSpec Internal Lamp	NONE

JWST Proposal 6636 (Created: Thursday, April 24, 2025, 11:00:25AM Eastern Standard Time) - Overview

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	24	MSA Op Monitor - AL LCLOSED	NIRSpec Internal Lamp	NONE
MSA Operability Monitor - Epoch 3				
	31	MSA Op Monitor - AL LOPEN	NIRSpec Internal Lamp	NONE
	32	MSA Op Monitor - CH KBD1x1-1	NIRSpec Internal Lamp	NONE
	33	MSA Op Monitor - CH KBD1x1-2	NIRSpec Internal Lamp	NONE
	34	MSA Op Monitor - AL LCLOSED	NIRSpec Internal Lamp	NONE
MSA Operability Monitor - Epoch 4				
	41	MSA Op Monitor - AL LOPEN	NIRSpec Internal Lamp	NONE
	42	MSA Op Monitor - CH KBD1x1-1	NIRSpec Internal Lamp	NONE
	43	MSA Op Monitor - CH KBD1x1-2	NIRSpec Internal Lamp	NONE
	44	MSA Op Monitor - AL LCLOSED	NIRSpec Internal Lamp	NONE
MSA Operability Monitor - Epoch 5				
	51	MSA Op Monitor - AL LOPEN	NIRSpec Internal Lamp	NONE
	52	MSA Op Monitor - CH KBD1x1-1	NIRSpec Internal Lamp	NONE
	53	MSA Op Monitor - CH KBD1x1-2	NIRSpec Internal Lamp	NONE
	54	MSA Op Monitor - AL LCLOSED	NIRSpec Internal Lamp	NONE
MSA Operability Monitor - Epoch 6				
	61	MSA Op Monitor - AL LOPEN	NIRSpec Internal Lamp	NONE
	62	MSA Op Monitor - CH KBD1x1-1	NIRSpec Internal Lamp	NONE
	63	MSA Op Monitor - CH KBD1x1-2	NIRSpec Internal Lamp	NONE

JWST Proposal 6636 (Created: Thursday, April 24, 2025, 11:00:25AM Eastern Standard Time) - Overview

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	64	MSA Op Monitor - AL LCLOSED	NIRSpec Internal Lamp	NONE
MSA Operability Monitor - Epoch 7				
	71	MSA Op Monitor - AL LOPEN	NIRSpec Internal Lamp	NONE
	72	MSA Op Monitor - CH KBD1x1-1	NIRSpec Internal Lamp	NONE
	73	MSA Op Monitor - CH KBD1x1-2	NIRSpec Internal Lamp	NONE
	74	MSA Op Monitor - AL LCLOSED	NIRSpec Internal Lamp	NONE
MSA Operability Monitor - Epoch 8				
	81	MSA Op Monitor - AL LOPEN	NIRSpec Internal Lamp	NONE
	82	MSA Op Monitor - CH KBD1x1-1	NIRSpec Internal Lamp	NONE
	83	MSA Op Monitor - CH KBD1x1-2	NIRSpec Internal Lamp	NONE
	84	MSA Op Monitor - AL LCLOSED	NIRSpec Internal Lamp	NONE
MSA Operability Monitor - Epoch 9				
	91	MSA Op Monitor - AL LOPEN	NIRSpec Internal Lamp	NONE
	92	MSA Op Monitor - CH KBD1x1-1	NIRSpec Internal Lamp	NONE
	93	MSA Op Monitor - CH KBD1x1-2	NIRSpec Internal Lamp	NONE
	94	MSA Op Monitor - AL LCLOSED	NIRSpec Internal Lamp	NONE
MSA Operability Monitor - Epoch 10				
	101	MSA Op Monitor - AL LOPEN	NIRSpec Internal Lamp	NONE
	102	MSA Op Monitor - CH KBD1x1-1	NIRSpec Internal Lamp	NONE
	103	MSA Op Monitor - CH KBD1x1-2	NIRSpec Internal Lamp	NONE

JWST Proposal 6636 (Created: Thursday, April 24, 2025, 11:00:25AM Eastern Standard Time) - Overview

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	104	MSA Op Monitor - AL LCLOSED	NIRSpec Internal Lamp	NONE
MSA Operability Monitor - Epoch 11				
	111	MSA Op Monitor - AL LOPEN	NIRSpec Internal Lamp	NONE
	112	MSA Op Monitor - CH KBD1x1-1	NIRSpec Internal Lamp	NONE
	113	MSA Op Monitor - CH KBD1x1-2	NIRSpec Internal Lamp	NONE
	114	MSA Op Monitor - AL LCLOSED	NIRSpec Internal Lamp	NONE
MSA Operability Monitor - Epoch 12				
	121	MSA Op Monitor - AL LOPEN	NIRSpec Internal Lamp	NONE
	122	MSA Op Monitor - CH KBD1x1-1	NIRSpec Internal Lamp	NONE
	123	MSA Op Monitor - CH KBD1x1-2	NIRSpec Internal Lamp	NONE
	124	MSA Op Monitor - AL LCLOSED	NIRSpec Internal Lamp	NONE
Short Re-check				
	125	Configuration medj01_ 28_p (1181)	NIRSpec Internal Lamp	NONE
	126	Configuration medj01_ 31_p (1181)	NIRSpec Internal Lamp	NONE
	127	Configuration medj01_ 31_g (1181)	NIRSpec Internal Lamp	NONE

ABSTRACT

Internal lamp observations (executed during slews to minimize impact) are used to monitor the status of NIRSpec MSA shutter operability and hence allow update of MSA operability masks (failed open and failed closed shutters) used in observation planning and pipeline reduction. Undispersed MSA images, illuminated by the internal lamp, are taken through a set of four diagnostic shutter patterns. An ALLCLOSED pattern is used to find all shutters that are “Failed Open” (fail to close when commanded). An ALLOPEN pattern and a pair of checkboards (CHKBD1x1-1, CHKBD1x1-2) are used to recover the best-case and worst-case population of “Failed Closed” shutters (those that fail to open when commanded). Each exposure

JWST Proposal 6636 (Created: Thursday, April 24, 2025, 11:00:25AM Eastern Standard Time) - Overview

uses NRSIRS2RAPID readout, with 7 groups x 1 integration. The set of four exposures are acquired every month to monitor trends in operability and keep the map used for planning up-to-date. The observations are executed as slew parallels to maximize efficiency. An additional long exposure through the ALLCLOSED configuration is obtained once per year, to yield a high dynamic-range contrast map.

This calibration program may change in response to system developments and the final Cycle 3 science program.

OBSERVING DESCRIPTION

TITLE: NIRSpec MSA Operability Monitor

ID: CAL-NRS-304

DESCRIPTION:

Internal lamp observations (executed during slews to minimize impact) are used to monitor the status of NIRSpec MSA shutter operability and hence allow update of MSA operability masks (failed open and failed closed shutters) used in observation planning and pipeline reduction. Undispersed MSA images, illuminated by the internal lamp, are taken through a set of four diagnostic shutter patterns. An ALLCLOSED pattern is used to find all shutters that are “Failed Open” (fail to close when commanded). An ALLOPEN pattern and a pair of checkboards (CHKBD1x1-1, CHKBD1x1-2) are used to recover the best-case and worst-case population of “Failed Closed” shutters (those that fail to open when commanded). Each exposure uses NRSIRS2RAPID readout, with 7 groups x 1 integration. The set of four exposures are acquired every month to monitor trends in operability and keep the map used for planning up-to-date. The observations are executed as slew parallels to maximize efficiency. An additional long exposure through the ALLCLOSED configuration is obtained once per year, to yield a high dynamic-range contrast map.

Note that all configurations should be commanded "pure", i.e. without the previously known shutter failure imprinted on to them by APT/MPT/OPGS. (The short mask will still be applied at the hardware level).

JUSTIFICATION:

During MOS observation planning, the MPT uses the MSA operability maps to prevent users allocating targets to Failed Closed shutters and also to avoid contamination of science data by the parasitic throughput of Failed Open shutters. This is a vital component of MOS planning, and the operability maps need to be updated regularly.

TIMING CONSTRAINTS:

Special requirements are in place for each epoch to ensure an approximately monthly cadence throughout the year. The high contrast map has a broad special requirement on time to ensure that the cadence is approximately yearly.

Proposal 6636 - Observation 1 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:25 GMT 2025

Observation	<p>Proposal 6636, Observation 1: High contrast map</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	65	1	1	962.867	
Special Requirements	<p>Between Dates 31-OCT-2024:00:00:00 and 30-APR-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 11 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:25 GMT 2025

Observation	<p>Proposal 6636, Observation 11: MSA Op Monitor - ALLOPEN</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLOPEN	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-JUL-2024:00:00:00 and 26-JUL-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 12 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:25 GMT 2025

Observation	<p>Proposal 6636, Observation 12: MSA Op Monitor - CHKBD1x1-1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-1	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-JUL-2024:00:00:00 and 26-JUL-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 13 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:25 GMT 2025

Observation	<p>Proposal 6636, Observation 13: MSA Op Monitor - CHKBD1x1-2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-2	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-JUL-2024:00:00:00 and 26-JUL-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 14 - CAL-NRS-304: MSA Operability Monitor

Observation	<p>Proposal 6636, Observation 14: MSA Op Monitor - ALLCLOSED</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>	Thu Apr 24 16:00:25 GMT 2025																								
Diagnostics	(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																									
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Operating Mode</th> <th>Subarray</th> <th>Lamp</th> <th>MSA Configuration</th> <th>Grating</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MSASPEC</td> <td>FULL</td> <td>TEST</td> <td>ALLCLOSED</td> <td>MIRROR</td> <td>NRSIRS2RAPID</td> <td>7</td> <td>1</td> <td>1</td> <td>116.711</td> <td></td> </tr> </tbody> </table>		#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID															
1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711																
Special Requirements	<p>Between Dates 05-JUL-2024:00:00:00 and 26-JUL-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>																									

Proposal 6636 - Observation 21 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:25 GMT 2025

Observation	<p>Proposal 6636, Observation 21: MSA Op Monitor - ALLOPEN</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLOPEN	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-AUG-2024:00:00:00 and 26-AUG-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 22 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:25 GMT 2025

Observation	<p>Proposal 6636, Observation 22: MSA Op Monitor - CHKBD1x1-1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-1	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-AUG-2024:00:00:00 and 26-AUG-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 23 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 23: MSA Op Monitor - CHKBD1x1-2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-2	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-AUG-2024:00:00:00 and 26-AUG-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 24 - CAL-NRS-304: MSA Operability Monitor

Observation	<p>Proposal 6636, Observation 24: MSA Op Monitor - ALLCLOSED</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>	Thu Apr 24 16:00:26 GMT 2025																								
Diagnostics	(Visit 24:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																									
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Operating Mode</th> <th>Subarray</th> <th>Lamp</th> <th>MSA Configuration</th> <th>Grating</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MSASPEC</td> <td>FULL</td> <td>TEST</td> <td>ALLCLOSED</td> <td>MIRROR</td> <td>NRSIRS2RAPID</td> <td>7</td> <td>1</td> <td>1</td> <td>116.711</td> <td></td> </tr> </tbody> </table>		#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID															
1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711																
Special Requirements	<p>Between Dates 05-AUG-2024:00:00:00 and 26-AUG-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>																									

Proposal 6636 - Observation 31 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 31: MSA Op Monitor - ALLOPEN</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 31:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLOPEN	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-SEP-2024:00:00:00 and 26-SEP-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 32 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 32: MSA Op Monitor - CHKBD1x1-1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 32:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-1	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-SEP-2024:00:00:00 and 26-SEP-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 33 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 33: MSA Op Monitor - CHKBD1x1-2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 33:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-2	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-SEP-2024:00:00:00 and 26-SEP-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 34 - CAL-NRS-304: MSA Operability Monitor

Observation	<p>Proposal 6636, Observation 34: MSA Op Monitor - ALLCLOSED</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>	Thu Apr 24 16:00:26 GMT 2025																								
Diagnostics	(Visit 34:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																									
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Operating Mode</th> <th>Subarray</th> <th>Lamp</th> <th>MSA Configuration</th> <th>Grating</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MSASPEC</td> <td>FULL</td> <td>TEST</td> <td>ALLCLOSED</td> <td>MIRROR</td> <td>NRSIRS2RAPID</td> <td>7</td> <td>1</td> <td>1</td> <td>116.711</td> <td></td> </tr> </tbody> </table>		#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID															
1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711																
Special Requirements	<p>Between Dates 05-SEP-2024:00:00:00 and 26-SEP-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>																									

Proposal 6636 - Observation 41 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 41: MSA Op Monitor - ALLOPEN</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 41:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLOPEN	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-OCT-2024:00:00:00 and 26-OCT-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 42 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 42: MSA Op Monitor - CHKBD1x1-1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 42:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-1	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-OCT-2024:00:00:00 and 26-OCT-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 43 - CAL-NRS-304: MSA Operability Monitor

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Observation	<p>Proposal 6636, Observation 43: MSA Op Monitor - CHKBD1x1-2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 43:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-2	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-OCT-2024:00:00:00 and 26-OCT-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 44 - CAL-NRS-304: MSA Operability Monitor

Observation	<p>Proposal 6636, Observation 44: MSA Op Monitor - ALLCLOSED</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>	Thu Apr 24 16:00:26 GMT 2025																								
Diagnostics	(Visit 44:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																									
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Operating Mode</th> <th>Subarray</th> <th>Lamp</th> <th>MSA Configuration</th> <th>Grating</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MSASPEC</td> <td>FULL</td> <td>TEST</td> <td>ALLCLOSED</td> <td>MIRROR</td> <td>NRSIRS2RAPID</td> <td>7</td> <td>1</td> <td>1</td> <td>116.711</td> <td></td> </tr> </tbody> </table>		#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID															
1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711																
Special Requirements	<p>Between Dates 05-OCT-2024:00:00:00 and 26-OCT-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>																									

Proposal 6636 - Observation 51 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 51: MSA Op Monitor - ALLOPEN</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 51:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLOPEN	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-NOV-2024:00:00:00 and 26-NOV-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 52 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 52: MSA Op Monitor - CHKBD1x1-1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 52:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-1	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-NOV-2024:00:00:00 and 26-NOV-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 53 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 53: MSA Op Monitor - CHKBD1x1-2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 53:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-2	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-NOV-2024:00:00:00 and 26-NOV-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 54 - CAL-NRS-304: MSA Operability Monitor

Observation	<p>Proposal 6636, Observation 54: MSA Op Monitor - ALLCLOSED</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>	Thu Apr 24 16:00:26 GMT 2025																								
Diagnostics	(Visit 54:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																									
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Operating Mode</th> <th>Subarray</th> <th>Lamp</th> <th>MSA Configuration</th> <th>Grating</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MSASPEC</td> <td>FULL</td> <td>TEST</td> <td>ALLCLOSED</td> <td>MIRROR</td> <td>NRSIRS2RAPID</td> <td>7</td> <td>1</td> <td>1</td> <td>116.711</td> <td></td> </tr> </tbody> </table>		#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID															
1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711																
Special Requirements	<p>Between Dates 05-NOV-2024:00:00:00 and 26-NOV-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>																									

Proposal 6636 - Observation 61 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 61: MSA Op Monitor - ALLOPEN</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 61:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLOPEN	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-DEC-2024:00:00:00 and 26-DEC-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 62 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 62: MSA Op Monitor - CHKBD1x1-1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 62:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-1	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-DEC-2024:00:00:00 and 26-DEC-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 63 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 63: MSA Op Monitor - CHKBD1x1-2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 63:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-2	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-DEC-2024:00:00:00 and 26-DEC-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 64 - CAL-NRS-304: MSA Operability Monitor

Observation	<p>Proposal 6636, Observation 64: MSA Op Monitor - ALLCLOSED</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>	Thu Apr 24 16:00:26 GMT 2025																								
Diagnostics	(Visit 64:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																									
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Operating Mode</th> <th>Subarray</th> <th>Lamp</th> <th>MSA Configuration</th> <th>Grating</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MSASPEC</td> <td>FULL</td> <td>TEST</td> <td>ALLCLOSED</td> <td>MIRROR</td> <td>NRSIRS2RAPID</td> <td>7</td> <td>1</td> <td>1</td> <td>116.711</td> <td></td> </tr> </tbody> </table>		#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID															
1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711																
Special Requirements	<p>Between Dates 05-DEC-2024:00:00:00 and 26-DEC-2024:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>																									

Proposal 6636 - Observation 71 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 71: MSA Op Monitor - ALLOPEN</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 71:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLOPEN	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-JAN-2025:00:00:00 and 26-JAN-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 72 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 72: MSA Op Monitor - CHKBD1x1-1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 72:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-1	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-JAN-2025:00:00:00 and 26-JAN-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 73 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 73: MSA Op Monitor - CHKBD1x1-2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 73:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-2	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-JAN-2025:00:00:00 and 26-JAN-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 74 - CAL-NRS-304: MSA Operability Monitor

Observation	<p>Proposal 6636, Observation 74: MSA Op Monitor - ALLCLOSED</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>	Thu Apr 24 16:00:26 GMT 2025																								
Diagnostics	(Visit 74:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																									
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Operating Mode</th> <th>Subarray</th> <th>Lamp</th> <th>MSA Configuration</th> <th>Grating</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MSASPEC</td> <td>FULL</td> <td>TEST</td> <td>ALLCLOSED</td> <td>MIRROR</td> <td>NRSIRS2RAPID</td> <td>7</td> <td>1</td> <td>1</td> <td>116.711</td> <td></td> </tr> </tbody> </table>		#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID															
1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711																
Special Requirements	<p>Between Dates 05-JAN-2025:00:00:00 and 26-JAN-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>																									

Proposal 6636 - Observation 81 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 81: MSA Op Monitor - ALLOPEN</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 81:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLOPEN	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-FEB-2025:00:00:00 and 26-FEB-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 82 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 82: MSA Op Monitor - CHKBD1x1-1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 82:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-1	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-FEB-2025:00:00:00 and 26-FEB-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 83 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 83: MSA Op Monitor - CHKBD1x1-2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 83:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-2	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-FEB-2025:00:00:00 and 26-FEB-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 84 - CAL-NRS-304: MSA Operability Monitor

Observation	<p>Proposal 6636, Observation 84: MSA Op Monitor - ALLCLOSED</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>	Thu Apr 24 16:00:26 GMT 2025																								
Diagnostics	(Visit 84:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																									
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Operating Mode</th> <th>Subarray</th> <th>Lamp</th> <th>MSA Configuration</th> <th>Grating</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MSASPEC</td> <td>FULL</td> <td>TEST</td> <td>ALLCLOSED</td> <td>MIRROR</td> <td>NRSIRS2RAPID</td> <td>7</td> <td>1</td> <td>1</td> <td>116.711</td> <td></td> </tr> </tbody> </table>		#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID															
1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711																
Special Requirements	<p>Between Dates 05-FEB-2025:00:00:00 and 26-FEB-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>																									

Proposal 6636 - Observation 91 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 91: MSA Op Monitor - ALLOPEN</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 91:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLOPEN	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-MAR-2025:00:00:00 and 26-MAR-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 92 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 92: MSA Op Monitor - CHKBD1x1-1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 92:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-1	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-MAR-2025:00:00:00 and 26-MAR-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 93 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 93: MSA Op Monitor - CHKBD1x1-2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 93:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-2	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-MAR-2025:00:00:00 and 26-MAR-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 94 - CAL-NRS-304: MSA Operability Monitor

Observation	<p>Proposal 6636, Observation 94: MSA Op Monitor - ALLCLOSED</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>	Thu Apr 24 16:00:26 GMT 2025																								
Diagnostics	(Visit 94:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.																									
Spectral Elements	<table border="1"> <thead> <tr> <th>#</th> <th>Operating Mode</th> <th>Subarray</th> <th>Lamp</th> <th>MSA Configuration</th> <th>Grating</th> <th>Readout Pattern</th> <th>Groups/Int</th> <th>Integrations/Exp</th> <th>Total Integrations</th> <th>Total Exposure Time</th> <th>ETC Wkbk.Calc ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MSASPEC</td> <td>FULL</td> <td>TEST</td> <td>ALLCLOSED</td> <td>MIRROR</td> <td>NRSIRS2RAPID</td> <td>7</td> <td>1</td> <td>1</td> <td>116.711</td> <td></td> </tr> </tbody> </table>		#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID															
1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711																
Special Requirements	<p>Between Dates 05-MAR-2025:00:00:00 and 26-MAR-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>																									

Proposal 6636 - Observation 101 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 101: MSA Op Monitor - ALLOPEN</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 101:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLOPEN	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-APR-2025:00:00:00 and 26-APR-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 102 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 102: MSA Op Monitor - CHKBD1x1-1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 102:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-1	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-APR-2025:00:00:00 and 26-APR-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 103 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 103: MSA Op Monitor - CHKBD1x1-2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 103:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-2	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-APR-2025:00:00:00 and 26-APR-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 104 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 104: MSA Op Monitor - ALLCLOSED</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 104:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-APR-2025:00:00:00 and 26-APR-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 111 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 111: MSA Op Monitor - ALLOPEN</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 111:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGE	FULL	TEST	ALLOPEN	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-MAY-2025:00:00:00 and 26-MAY-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 112 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 112: MSA Op Monitor - CHKBD1x1-1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 112:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-1	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-MAY-2025:00:00:00 and 26-MAY-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 113 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 113: MSA Op Monitor - CHKBD1x1-2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 113:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-2	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-MAY-2025:00:00:00 and 26-MAY-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 114 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 114: MSA Op Monitor - ALLCLOSED</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 114:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-MAY-2025:00:00:00 and 26-MAY-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 121 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 121: MSA Op Monitor - ALLOPEN</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 121:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLOPEN	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-JUN-2025:00:00:00 and 26-JUN-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 122 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 122: MSA Op Monitor - CHKBD1x1-1</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 122:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-1	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-JUN-2025:00:00:00 and 26-JUN-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 123 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 123: MSA Op Monitor - CHKBD1x1-2</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 123:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	CHKBD1x1-2	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-JUN-2025:00:00:00 and 26-JUN-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 124 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 124: MSA Op Monitor - ALLCLOSED</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 124:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	ALLCLOSED	MIRROR	NRSIRS2RAPID	7	1	1	116.711	
Special Requirements	<p>Between Dates 05-JUN-2025:00:00:00 and 26-JUN-2025:00:00:00</p> <p>No Parallel Attachments</p> <p>Parallel slew only</p>											

Proposal 6636 - Observation 125 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 125: Configuration medj01_28_p (1181)</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 125:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	medj01_28_p	MIRROR	NRSIRS2RAPI D	7	1	1	116.711	
	2	MSASPEC	FULL	NONE	medj01_28_p	MIRROR	NRSIRS2RAPI D	5	1	1	87.533	
Special Requirements	<p>No Parallel Attachments Parallel slew only</p>											

Proposal 6636 - Observation 126 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 126: Configuration medj01_31_p (1181)</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 126:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	medj01_31_p	MIRROR	NRSIRS2RAPI D	7	1	1	116.711	
	2	MSASPEC	FULL	NONE	medj01_31_p	MIRROR	NRSIRS2RAPI D	5	1	1	87.533	
Special Requirements	<p>No Parallel Attachments Parallel slew only</p>											

Proposal 6636 - Observation 127 - CAL-NRS-304: MSA Operability Monitor

Thu Apr 24 16:00:26 GMT 2025

Observation	<p>Proposal 6636, Observation 127: Configuration medj01_31_g (1181)</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec Internal Lamp</p>											
Diagnostics	<p>(Visit 127:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p>											
Spectral Elements	#	Operating Mode	Subarray	Lamp	MSA Configuration	Grating	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	MSASPEC	FULL	TEST	medj01_31_g	MIRROR	NRSIRS2RAPI D	7	1	1	116.711	
	2	MSASPEC	FULL	NONE	medj01_31_g	MIRROR	NRSIRS2RAPI D	5	1	1	87.533	
Special Requirements	<p>No Parallel Attachments Parallel slew only</p>											