



7945 - CAL-MIRI-401 MIRI CCC-Open

Cycle: 4, Proposal Category: CAL/MIRI

INVESTIGATORS

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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Trending darks				
	1	CCC open FULL FAST R1	MIRI Dark	NONE
	2	CCC open FULL FAST R1	MIRI Dark	NONE
	3	CCC open FULL FAST R1	MIRI Dark	NONE
	4	CCC open FULL FAST R1	MIRI Dark	NONE
	5	CCC open FULL FAST R1	MIRI Dark	NONE
	6	CCC open FULL FAST R1	MIRI Dark	NONE
	7	CCC open FULL FAST R1	MIRI Dark	NONE
	8	CCC open FULL FAST R1	MIRI Dark	NONE
	9	CCC open FULL FAST R1	MIRI Dark	NONE

Folder	Observation	Label	Observing Template	Science Target
	10	CCC open FULL FAST R1	MIRI Dark	NONE
	11	CCC open FULL FAST R1	MIRI Dark	NONE
	12	CCC open FULL FAST R1	MIRI Dark	NONE
	13	CCC open FULL FAST R1	MIRI Dark	NONE
	14	CCC open FULL FAST R1	MIRI Dark	NONE
	15	CCC open FULL FAST R1	MIRI Dark	NONE
	16	CCC open FULL FAST R1	MIRI Dark	NONE
	17	CCC open FULL FAST R1	MIRI Dark	NONE
	18	CCC open FULL FAST R1	MIRI Dark	NONE

ABSTRACT

The number of bad pixels on the MIRI detectors is growing with time. We require a series of trending darks to continue to monitor this growth and create new reference files. These darks also serve the purpose of continuing to give the same value to the study of persistence as they did in Cycles 2 and 3. The additional data might also prove useful for a synthetic correction of the dark rate in the future.

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

OBSERVING DESCRIPTION

We will continue the same trending darks as obtained in Cycles 2 and 3. They will be taken with the same exposure parameters, but with a longer cadence in-between, to cover the entire cycle.

The number of bad pixels on the MIRI detectors is growing with time. We require a series of trending darks to continue to monitor this growth and create new reference files. These darks also serve the purpose of continuing to give the same value to the study of persistence as they did in Cycles 2 and 3. The additional data might also prove useful for a synthetic correction of the dark rate in the future.

Proposal 7945 - Observation 1 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 1: CCC open FULL FASTR1 Wed Mar 19 13:00:29 GMT 2025 Diagnostic Status: Warning Observing Template: MIRI Dark								
Diagnostics	(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.								
Template	Detector		Test Pattern				Imager Subarray		
	IMAGER		NONE				FULL		
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	FASTR1	250	2	1	2	1390.295	
Special Requirements	Between Dates 01-JUL-2025:00:00:00 and 07-JUL-2025:00:00:00 Parallel								

Proposal 7945 - Observation 2 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 2: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark									Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Template	Detector		Test Pattern				Imager Subarray			
	IMAGER		NONE				FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	IMAGER	FASTR1	250	2	1	2	1390.295		
Special Requirements	Between Dates 21-JUL-2025:00:00:00 and 28-JUL-2025:00:00:00 Parallel									

Proposal 7945 - Observation 3 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 3: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark									Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Template	Detector		Test Pattern				Imager Subarray			
	IMAGER		NONE				FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	IMAGER	FASTR1	250	2	1	2	1390.295		
Special Requirements	Between Dates 11-AUG-2025:00:00:00 and 18-AUG-2025:00:00:00 Parallel									

Proposal 7945 - Observation 4 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 4: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark									Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Template	Detector		Test Pattern				Imager Subarray			
	IMAGER		NONE				FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	IMAGER	FASTR1	250	2	1	2	1390.295		
Special Requirements	Between Dates 01-SEP-2025:00:00:00 and 08-SEP-2025:00:00:00 Parallel									

Proposal 7945 - Observation 5 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 5: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark								Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.								
Template	Detector	Test Pattern				Imager Subarray			
	IMAGER	NONE				FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	FASTR1	250	2	1	2	1390.295	
Special Requirements	Between Dates 22-SEP-2025:00:00:00 and 29-SEP-2025:00:00:00 Parallel								

Proposal 7945 - Observation 6 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 6: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark								Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.								
Template	Detector	Test Pattern				Imager Subarray			
	IMAGER	NONE				FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	FASTR1	250	2	1	2	1390.295	
Special Requirements	Between Dates 13-OCT-2025:00:00:00 and 20-OCT-2025:00:00:00 Parallel								

Proposal 7945 - Observation 7 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 7: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark									Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Template	Detector		Test Pattern				Imager Subarray			
	IMAGER		NONE				FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	IMAGER	FASTR1	250	2	1	2	1390.295		
Special Requirements	Between Dates 03-NOV-2025:00:00:00 and 10-NOV-2025:00:00:00 Parallel									

Proposal 7945 - Observation 8 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 8: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark								Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.								
Template	Detector		Test Pattern			Imager Subarray			
	IMAGER		NONE			FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	FASTR1	250	2	1	2	1390.295	
Special Requirements	Between Dates 24-NOV-2025:00:00:00 and 01-DEC-2025:00:00:00 Parallel								

Proposal 7945 - Observation 9 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 9: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark									Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Template	Detector		Test Pattern				Imager Subarray			
	IMAGER		NONE				FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	IMAGER	FASTR1	250	2	1	2	1390.295		
Special Requirements	Between Dates 15-DEC-2025:00:00:00 and 22-DEC-2025:00:00:00 Parallel									

Proposal 7945 - Observation 10 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 10: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark									Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Template	Detector		Test Pattern			Imager Subarray				
	IMAGER		NONE			FULL				
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	IMAGER	FASTR1	250	2	1	2	1390.295		
Special Requirements	Between Dates 05-JAN-2026:00:00:00 and 12-JAN-2026:00:00:00 Parallel									

Proposal 7945 - Observation 11 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 11: CCC open FULL FASTR1 Wed Mar 19 13:00:29 GMT 2025 Diagnostic Status: Warning Observing Template: MIRI Dark								
Diagnostics	(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.								
Template	Detector		Test Pattern			Imager Subarray			
	IMAGER		NONE			FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	FASTR1	250	2	1	2	1390.295	
Special Requirements	Between Dates 26-JAN-2026:00:00:00 and 02-FEB-2026:00:00:00 Parallel								

Proposal 7945 - Observation 12 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 12: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark									Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Template	Detector		Test Pattern				Imager Subarray			
	IMAGER		NONE				FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	IMAGER	FASTR1	250	2	1	2	1390.295		
Special Requirements	Between Dates 16-FEB-2026:00:00:00 and 23-FEB-2026:00:00:00 Parallel									

Proposal 7945 - Observation 13 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 13: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark									Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Template	Detector		Test Pattern				Imager Subarray			
	IMAGER		NONE				FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	IMAGER	FASTR1	250	2	1	2	1390.295		
Special Requirements	Between Dates 09-MAR-2026:00:00:00 and 16-MAR-2026:00:00:00 Parallel									

Proposal 7945 - Observation 14 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 14: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark								Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.								
Template	Detector	Test Pattern				Imager Subarray			
	IMAGER	NONE				FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	FASTR1	250	2	1	2	1390.295	
Special Requirements	Between Dates 30-MAR-2026:00:00:00 and 06-APR-2026:00:00:00 Parallel								

Proposal 7945 - Observation 15 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 15: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark									Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Template	Detector		Test Pattern				Imager Subarray			
	IMAGER		NONE				FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	IMAGER	FASTR1	250	2	1	2	1390.295		
Special Requirements	Between Dates 20-APR-2026:00:00:00 and 27-APR-2026:00:00:00 Parallel									

Proposal 7945 - Observation 16 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 16: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark									Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Template	Detector		Test Pattern				Imager Subarray			
	IMAGER		NONE				FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	IMAGER	FASTR1	250	2	1	2	1390.295		
Special Requirements	Between Dates 11-MAY-2026:00:00:00 and 18-MAY-2026:00:00:00 Parallel									

Proposal 7945 - Observation 17 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 17: CCC open FULL FASTR1 Wed Mar 19 13:00:29 GMT 2025 Diagnostic Status: Warning Observing Template: MIRI Dark								
Diagnostics	(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.								
Template	Detector		Test Pattern			Imager Subarray			
	IMAGER		NONE			FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	IMAGER	FASTR1	250	2	1	2	1390.295	
Special Requirements	Between Dates 01-JUN-2026:00:00:00 and 08-JUN-2026:00:00:00 Parallel								

Proposal 7945 - Observation 18 - CAL-MIRI-401 MIRI CCC-Open

Observation	Proposal 7945, Observation 18: CCC open FULL FASTR1 Diagnostic Status: Warning Observing Template: MIRI Dark									Wed Mar 19 13:00:29 GMT 2025
Diagnostics	(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.									
Template	Detector		Test Pattern				Imager Subarray			
	IMAGER		NONE				FULL			
Spectral Elements	#	Detector	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID	
	1	IMAGER	FASTR1	250	2	1	2	1390.295		
Special Requirements	Between Dates 22-JUN-2026:00:00:00 and 29-JUN-2026:00:00:00 Parallel									