

XRT Timeline to be uploaded on 2026/09/08

Period: 2026/09/08 10:43:00 - 2026/09/12 11:11:00

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Normal mode

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XOB #1CDF: HOP81/206 1-filter - Al/poly 6s, 60s cadence, G-band - 384x384 1ms															
Term		Pointing (x, y)				Comment									
09/08 10:56:00 - 09/08 17:58:54		Fixed (-23.0, 856.0)				# OP start + 10min + HOP 206									
09/09 10:36:30 - 09/09 17:56:54		Fixed (-23.0, -944.0)				HOP 81 south pole									
PROG= 08 Inf.-time(s)															
[	Subr= 1		1-time(s)		2.0sec										
	└ Seqn= 16		2-time(s)		2.0sec										
			Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
	Subr= 2		1-time(s)		2.0sec										
	└ Seqn= 90		1-time(s)		30.0sec										
			Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
	Subr= 3		60-time(s)		60.0sec										
	└ Seqn= 24		1-time(s)		30.0sec										
			Al-poly/Open	Al-poly/Open	close	Safe	Norm	5.66s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
			Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1D2F: Synoptic 8 Filter w/ Al-mesh(5/181/1443), Al-poly(12/256/2048), Thin-Be(45/1024/8192), Thick-Be(65536), Med-Al(256/8192/32768), Med-Be(128/512/4096)														
Term			Pointing (x, y)			Comment								
09/08 18:02:00 - 09/08 18:08:54			Fixed (0.0, 0.0)			synoptic, shifted -1.0 min								
09/09 06:03:00 - 09/09 06:09:54			Fixed (0.0, 0.0)			HOP 349 + synoptic								
09/09 18:00:00 - 09/09 18:06:54			Fixed (0.0, 0.0)			synoptic, shifted -3.0 min								
09/10 06:30:00 - 09/10 06:36:54			Fixed (0.0, 0.0)			HOP 349 + synoptic, shifted 27.0 min								
PROG= 17 1-time(s)														
Subr= 1			1-time(s)			2.0sec								
Seqn= 5			1-time(s)			2.0sec								
Open/Ti-poly			Open/thick-Al			close	Safe	Dark	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
Open/Ti-poly			Open/thick-Al			close	Safe	Dark	500ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
Open/Ti-poly			Open/thick-Al			close	Safe	Dark	500ms	Obs	8x8	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
Open/Ti-poly			Open/thick-Al			close	Safe	Dark	500ms	Obs	1x1	2048x512 (1024, 1024)	DPCM	0 0 2.0sec
Open/Ti-poly			Open/thick-Al			close	Safe	Dark	500ms	Obs	1x1	512x2048 (1024, 1024)	DPCM	0 0 2.0sec
Seqn= 66			1-time(s)			2.0sec								
Open/Al-mesh			Open/Al-mesh			close	Safe	Norm	5ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Open/Al-mesh			Open/Al-mesh			close	Safe	Norm	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Open/Al-mesh			Open/Ti-poly			close	Safe	Norm	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Seqn= 22			1-time(s)			2.0sec								
Al-poly/Open			Al-poly/Open			close	Safe	Norm	12ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Al-poly/Open			Al-poly/Open			close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Al-poly/Open			Al-poly/thick-Al			close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Seqn= 19			1-time(s)			2.0sec								
thin-Be/Open			thin-Be/Open			close	Safe	Norm	44ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
thin-Be/Open			thin-Be/Open			close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
thin-Be/Open			thin-Be/Open			close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Seqn= 23			1-time(s)			4.0sec								
Open/G-band			Open/G-band			open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0 0 2.0sec
Open/G-band			Open/G-band			close	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Subr= 2			1-time(s)			2.0sec								
Seqn= 65			1-time(s)			2.0sec								
Open/thick-Be			Open/thick-Be			close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
Seqn= 17			1-time(s)			2.0sec								
med-Al/Open			med-Al/thick-Al			close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
med-Al/Open			med-Al/thick-Al			close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
med-Al/Open			med-Al/Open			close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Seqn= 33			1-time(s)			2.0sec								
med-Be/Open			Open/thick-Al			close	Safe	Norm	125ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
med-Be/Open			med-Be/Open			close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
med-Be/Open			med-Be/Open			close	Safe	Norm	22.6s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Seqn= 89			1-time(s)			2.0sec								
Al-poly/Ti-poly			Al-poly/thick-Al			close	Safe	Norm	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Al-poly/Ti-poly			Al-poly/thick-Al			close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Default Filter			Thicker Filter			VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer Interval

XOB #1CD7: AR - Standard Core - (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 384x384 at 1064 1048, thin-Be, and Al/poly context, with														
Term		Pointing (x, y)				Comment								
09/08 18:12:00 - 09/09 03:48:30		Track (-125.1, 40.2) @ 09/08 18:09:00				# AR 14524								
09/09 06:13:00 - 09/09 10:17:00		Track (-17.2, 39.5) @ 09/09 06:10:00				# AR 14524								
09/09 18:10:00 - 09/10 03:59:54		Track (90.1, 40.4) @ 09/09 18:07:00				# AR 14524								
PROG= 01 Inf.-time(s)														
└ Subr= 1		1-time(s)		2.0sec										
└ Seqn= 92		1-time(s)		2.0sec										
└┐ Open/G-band		Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec	
└┐ Open/G-band		Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec	
└┐ Open/Ti-poly		Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec	

Subr= 2 5-time(s) 2.0sec												
Seqn= 47 1-time(s) 2.0sec												
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
Seqn= 96 4-time(s) 180.0sec												
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	1	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	1	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	2	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	2	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1C9B: HOP349 - 3-filter Synoptics (Al-mesh[8/181/2897], Al-poly[16/181/4096], thin-Be[64/1024/11571] with 512x512 G-band+Leak(1064,1048) - 45 min

Term	Pointing (x, y)	Comment
09/09 04:10:30 - 09/09 05:59:54	Fixed (0.0, 0.0)	HOP 349 + synoptic
09/10 04:03:00 - 09/10 06:26:54	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted 27.0 min

PROG= 04 Inf.-time(s)												
Subr= 1 1-time(s) 300.0sec												
Seqn=100 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	8ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 84 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 57 1-time(s) 2.0sec												
thin-Be/Open	thin-Be/Open	close	Safe	Norm	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	11.3s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 81 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1064, 1048)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1064, 1048)	Q=95	0	0	2.0sec
Subr= 2 9-time(s) 360.0sec												
Seqn= 8 1-time(s) 2.0sec												
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 6 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 29 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1B89: AR - Standard Core - (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 384x384 at 1064 1048, thin-Be, and Al/poly context, with

Term	Pointing (x, y)	Comment
09/10 06:40:00 - 09/10 10:49:30	Track (200.7, 43.0) @ 09/10 06:37:00	# AR 14524

PROG= 15 Inf.-time(s)												
Subr= 1 1-time(s) 2.0sec												
Seqn= 92 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
Subr= 2 5-time(s) 2.0sec												
Seqn= 47 1-time(s) 2.0sec												
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
Seqn= 96 4-time(s) 60.0sec												
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	1	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	1	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	2	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	2	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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Flare mode

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XOB #1D35: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Be/thick), AEC 3, 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512x512 2x2) + G

Term	Pointing (x, y)	Comment
09/08 10:56:00 - 09/08 17:58:54	Fixed (-23.0, 856.0)	# OP start + 10min + HOP 206

09/08 18:12:00 - 09/09 03:48:30 Track (-125.1, 40.2) @ 09/08 18:09:00 # AR 14524
09/09 04:10:30 - 09/09 05:59:54 Fixed (0.0, 0.0) HOP 349 + synoptic
09/09 06:13:00 - 09/09 10:17:00 Track (-17.2, 39.5) @ 09/09 06:10:00 # AR 14524
09/09 18:10:00 - 09/10 03:59:54 Track (90.1, 40.4) @ 09/09 18:07:00 # AR 14524
09/10 04:03:00 - 09/10 06:26:54 Fixed (0.0, 0.0) HOP 349 + synoptic, shifted 27.0 min
09/10 06:40:00 - 09/10 10:49:30 Track (200.7, 43.0) @ 09/10 06:37:00 # AR 14524

PROG= 14 30-time(s)												
Subr= 1		1-time(s)	2.0sec									
Seqn= 68		1-time(s)	2.0sec									
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1024, 1024)	Q=95	0	0 2.0sec
Subr= 2		20-time(s)	2.0sec									
Seqn= 11		1-time(s)	2.0sec									
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0 2.0sec
Seqn= 73		1-time(s)	10.0sec									
	thin-Be/Open	med-Be/Open	close	Safe	Norm	125ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0 2.0sec
	med-Be/Open	Open/thick-Al	close	Safe	Norm	250ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0 2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0 2.0sec
Subr= 3		1-time(s)	2.0sec									
Seqn= 10		1-time(s)	2.0sec									
	med-Al/Open	med-Al/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0 2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0 2.0sec
Seqn= 11		1-time(s)	2.0sec									
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0 2.0sec
Seqn= 87		1-time(s)	2.0sec									
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0 2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0 2.0sec
	Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0 2.0sec
	Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=98	0	0 2.0sec
Default Filter		Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

XOB #1D10: Flare - multifilter 5 sec cadence (Be/thin, Be/med), AEC 3, 384x384

Term		Pointing (x, y)					Comment									
09/09 10:36:30 - 09/09 17:56:54		Fixed (-23.0, -944.0)					HOP 81 south pole									
PROG= 11 1-time(s)																
Subr= 1		1-time(s)		2.0sec												
Seqn= 67		1-time(s)		2.0sec												
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1ms	Obs	1x1	384x384 (1024, 1024)			Q=95	0	0	2.0sec	
Subr= 2		1-time(s)		2.0sec												
Seqn= 59		255-time(s)		5.0sec												
	thin-Be/Open	med-Be/Open	close	Safe	Norm	8ms	Obs	1x1	384x384 (1024, 1024)			Q=95	3	0	2.0sec	
	med-Be/Open	Open/thick-Al	close	Safe	Norm	250ms	Obs	1x1	384x384 (1024, 1024)			Q=95	3	0	2.0sec	
Default Filter		Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)			Comp.	AEC Buffer	Interval		

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Active Region Search

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NOT USED

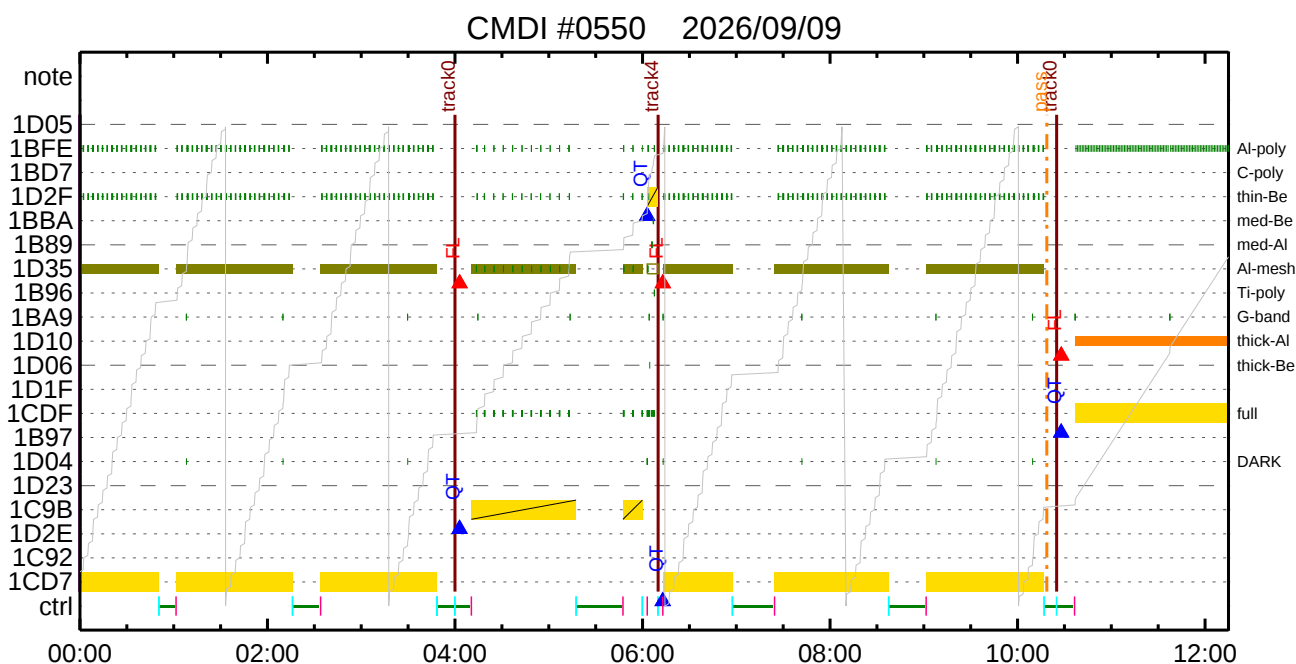
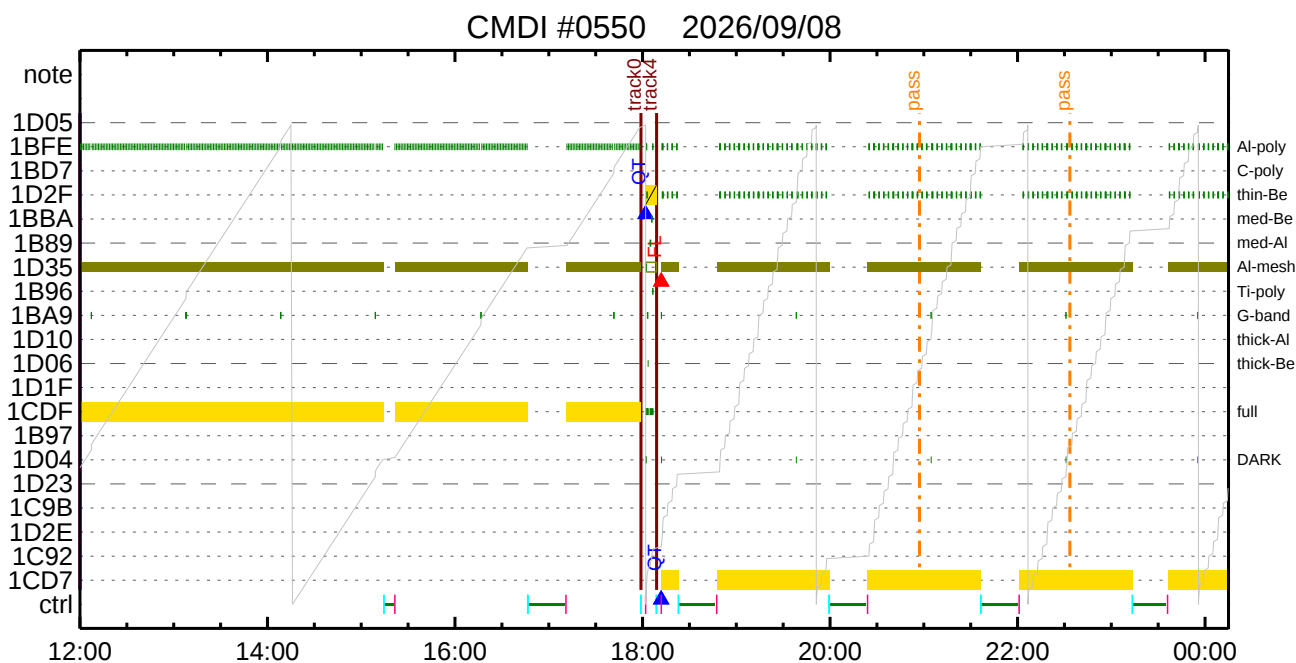
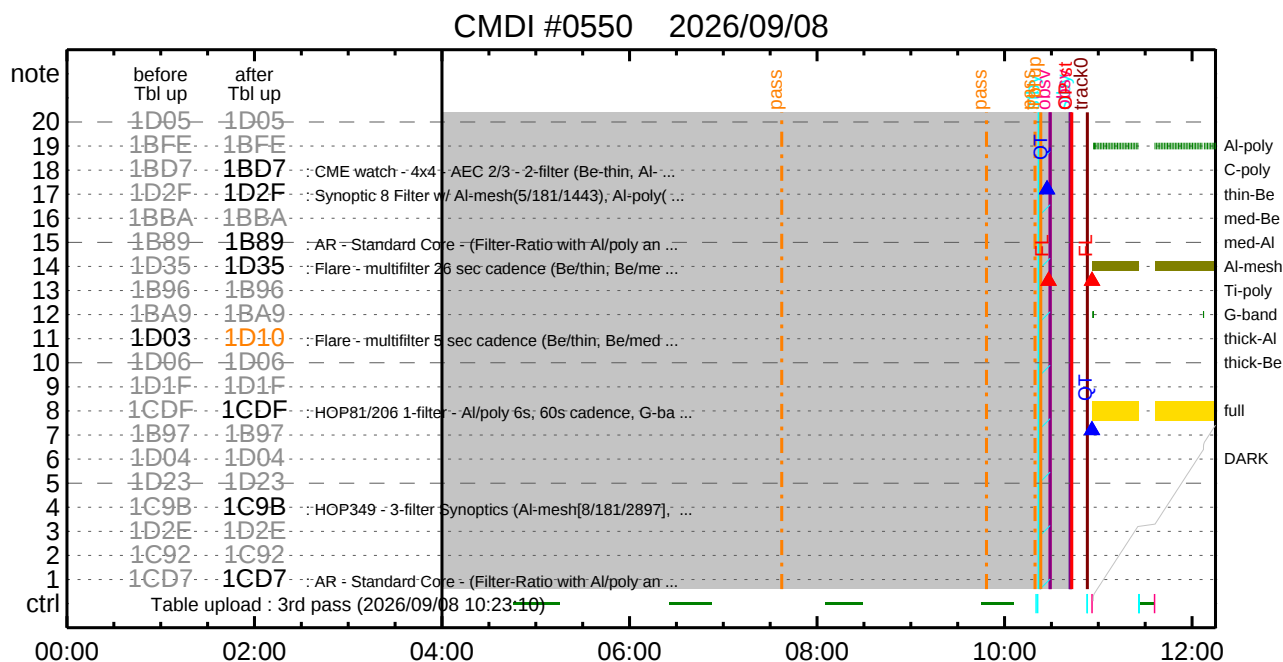
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Flare Detection

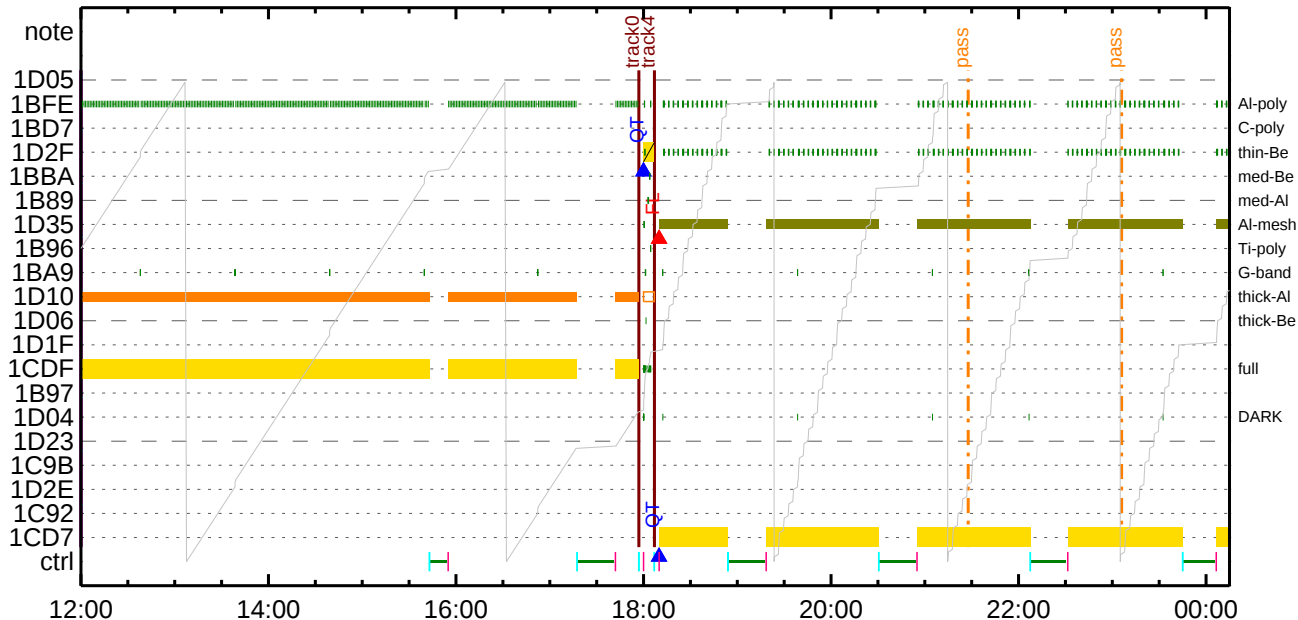
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FLD Patrol

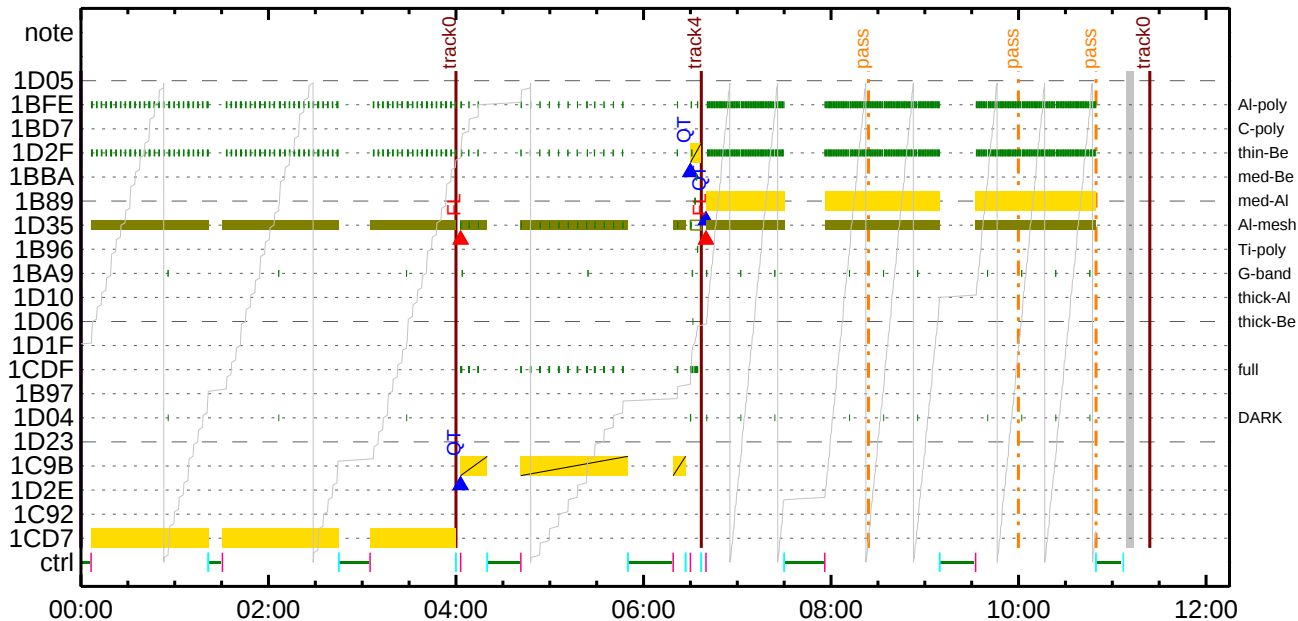
Term	Pointing (x, y)		Comment									
09/08 10:24:10 - 09/08 17:59:18	cannot be identified											
09/08 18:09:18 - 09/09 06:00:18	Track (-125.1, 40.2) @ 09/08 18:09:00		# AR 14524									
09/09 06:10:18 - 09/09 17:57:18	Track (-17.2, 39.5) @ 09/09 06:10:00		# AR 14524									
09/09 18:07:18 - 09/10 06:27:18	Track (90.1, 40.4) @ 09/09 18:07:00		# AR 14524									
09/10 06:37:18 - 09/12 11:11:00	Track (200.7, 43.0) @ 09/10 06:37:00		# AR 14524									
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	4ms	Obs	8x8		Q=50		30sec
Default Filter		Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval



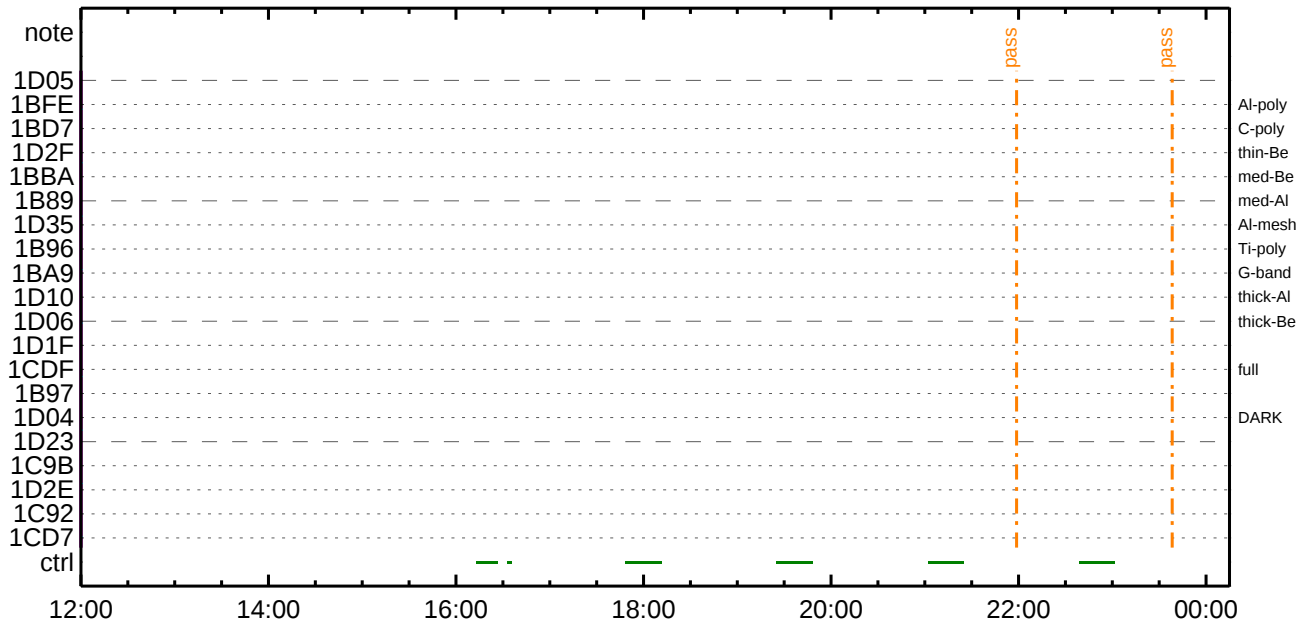
CMDI #0550 2026/09/09



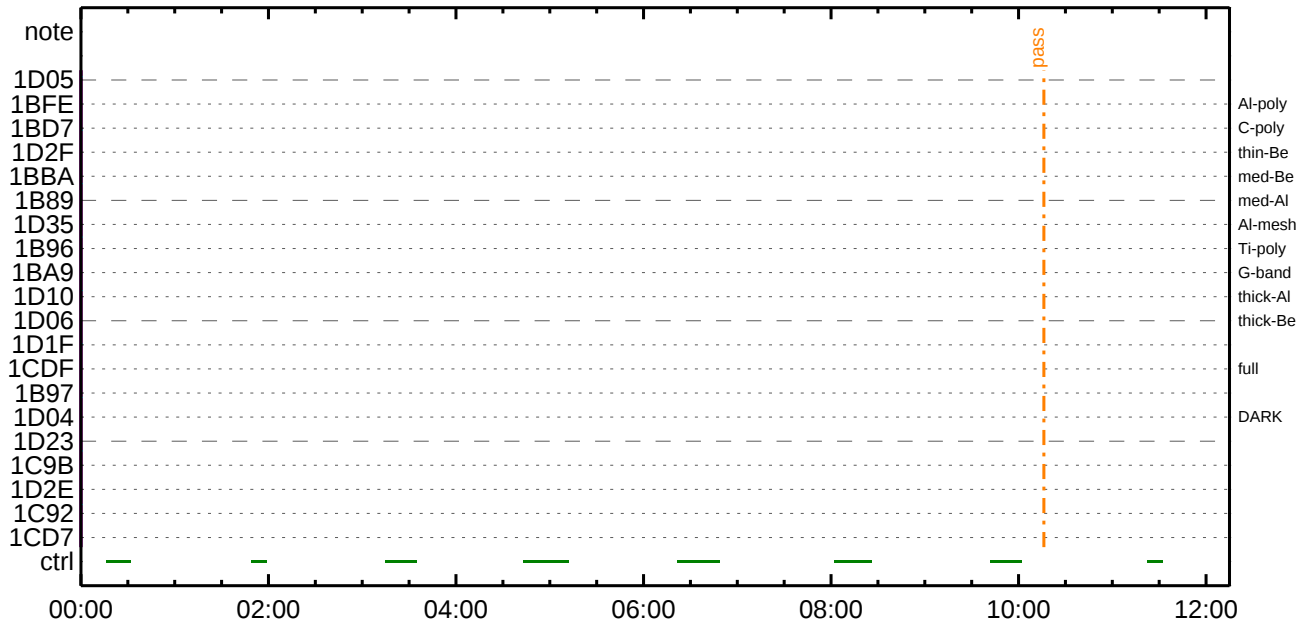
CMDI #0550 2026/09/10



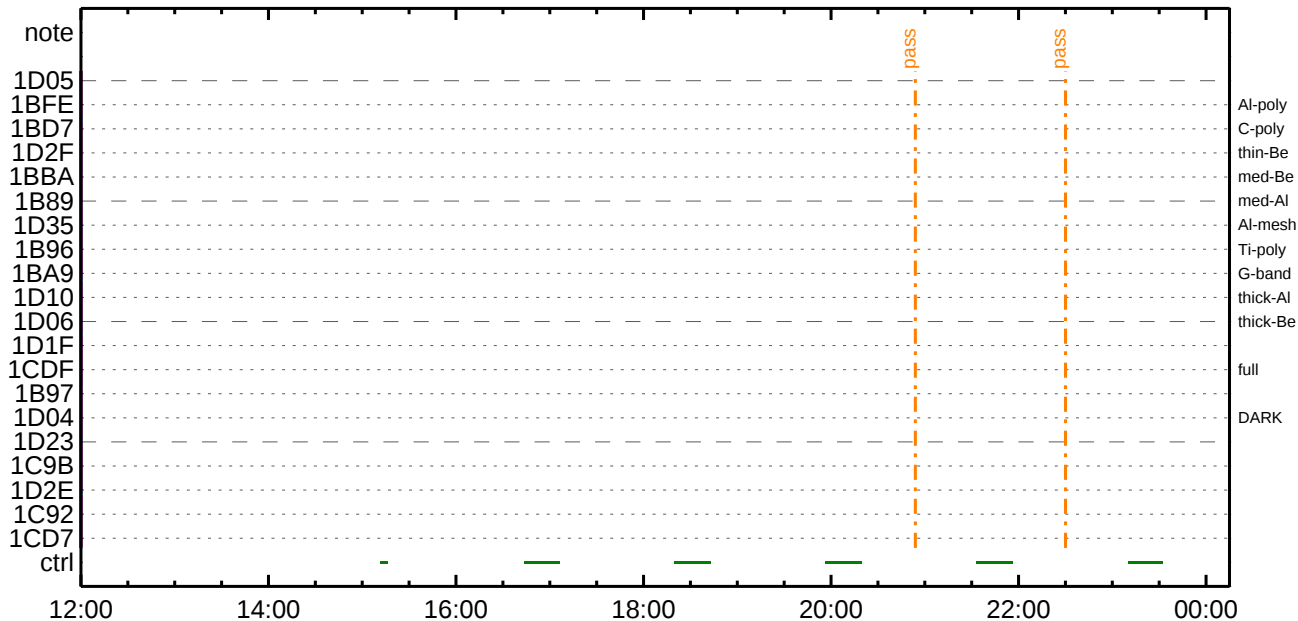
CMDI #0550 2026/09/10



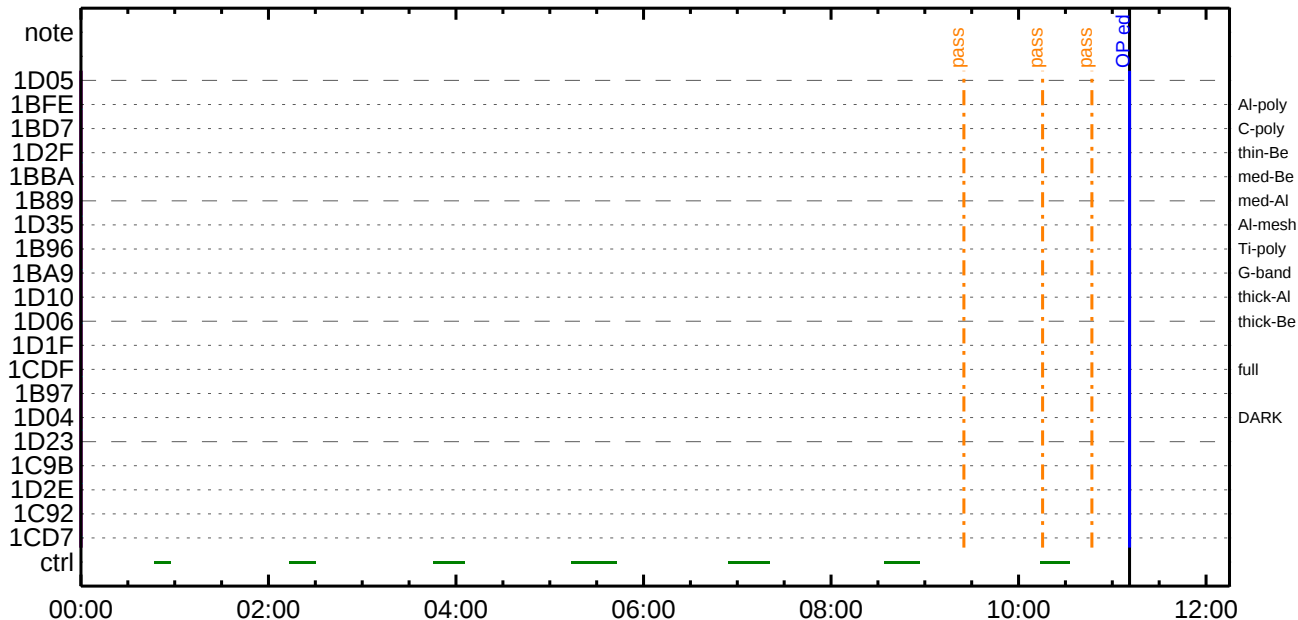
CMDI #0550 2026/09/11



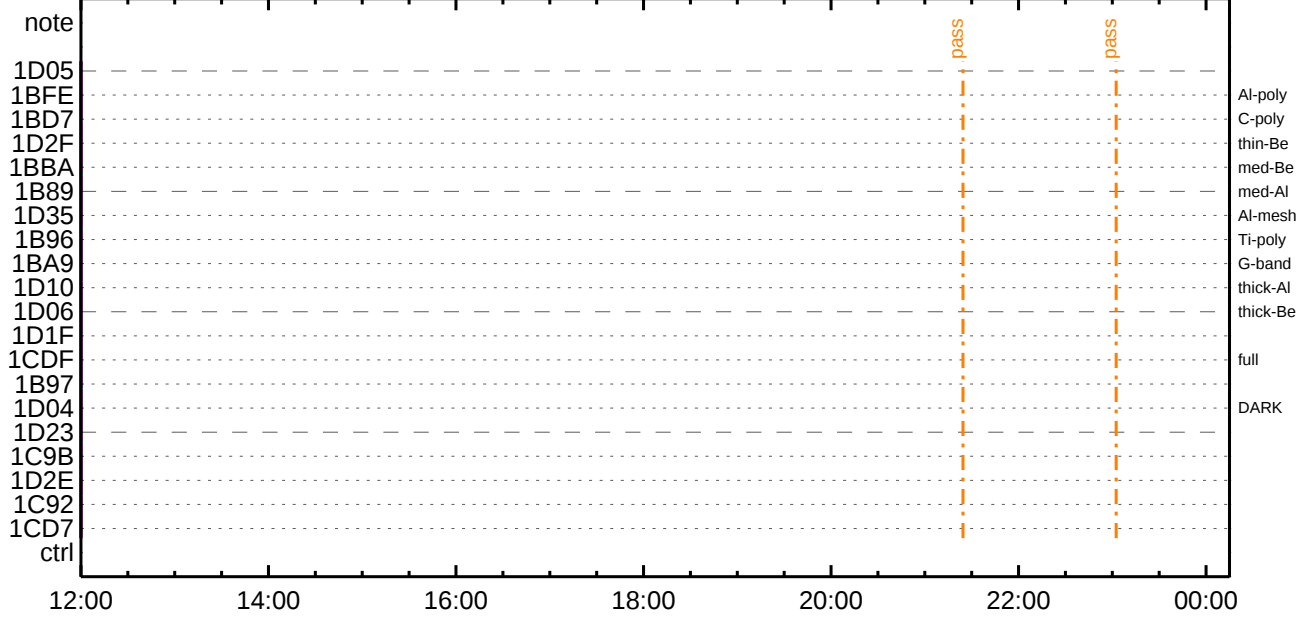
CMDI #0550 2026/09/11



CMDI #0550 2026/09/12



CMDI #0550 2026/09/12



(a) Spacecraft Operation Procedure (real-commands)

```
main-211 2026-09-08 12:04:30 205 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOS¥Á¥$¥Á¥~¼Ä»Ü;ä
0005 C.
0006 C. ¥À¥ß;¼¥³¥Ð¥ó¥ÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Ê¼¿¼Ä¼•µ°Æ»Í×ÁÇ¼Í¥Ç¥Á¥×¥í;¼¥É;ÊÊè¼µ•ííÊ;ÊÊÊ¼°ÇÖ¼•¼¿¼í¹Ç¼Í;ÇÀ®,ù¼¹¼è¼µ¼ÇÁ÷¿®¼•¼Ê¼µ¼³¼È;£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OG¥í;¼¥É;¥Á¥ó¥×
0016 C. *****
0017 C.
0018 . C. ;ãOP/OG¥í;¼¥É;ä
0019 . S. OP op-211:OP
0020 ()
0021 . S. OG og-211:OG
0022 ()
0023 C.
0024 . C. ;ãNMOG&OPíî°è¥Á¥ó¥×;ä
0025 C. NMOG(0x200000-0x207FFF;$ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027 BC (20 00 7f 01 02)
0028 C. ÇÇ[HK1_DMP_TOP_ADRS_1] EQ 40
0029 C. ÇÇ[HK1_DMP_TOP_ADRS_0] EQ 0
0030 C. ÇÇ[HK1_DMP_BLOCK_NUM] EQ 127
0031 C. ÇÇ[HK1_DMP_REPEAT_NUM] EQ 0
0032 C. ÇÇ[HK1_DMA_DMP_PIM] EQ DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 C. ÇÇ[HK1_PKT_FORM_NO] EQ 7
0036 C. ÇÇ[HK1_PKT_GEN_TIME] EQ 0.25 s
0037 C. ÇÇ[HK1_S_TLM_BIT_RATE] EQ 32k
0038 C. ÇÇ[HK1_X_TLM_BIT_RATE] EQ 4M
0039 C. ÇÇ[HK1_DMP_CHK_FLG] EQ EXEC
0040 . C. ¥À¥ó¥×¼°áî»¼³íÇ$
0041 C. ÇÇ[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOG¼í¾Ê¹Ç•è²íOK¼³íÇ$
0043 C.
0044 C. NMOG(0x208000-0x20FFFF;$ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046 BC (20 80 7f 01 02)
0047 C. ÇÇ[HK1_DMP_TOP_ADRS_1] EQ 41
0048 C. ÇÇ[HK1_DMP_TOP_ADRS_0] EQ 0
0049 C. ÇÇ[HK1_DMP_BLOCK_NUM] EQ 127
0050 C. ÇÇ[HK1_DMP_REPEAT_NUM] EQ 0
0051 C. ÇÇ[HK1_DMA_DMP_PIM] EQ DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 C. ÇÇ[HK1_PKT_FORM_NO] EQ 7
0055 C. ÇÇ[HK1_PKT_GEN_TIME] EQ 0.25 s
0056 C. ÇÇ[HK1_S_TLM_BIT_RATE] EQ 32k
0057 C. ÇÇ[HK1_X_TLM_BIT_RATE] EQ 4M
0058 C. ÇÇ[HK1_DMP_CHK_FLG] EQ EXEC
0059 . C. ¥À¥ó¥×¼°áî»¼³íÇ$
0060 C. ÇÇ[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOG¼í¾Ê¹Ç•è²íOK¼³íÇ$
0062 C.
0063 C. NMOG(0x210000-0x2100FF;$ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065 BC (21 00 41 01 02)
0066 C. ÇÇ[HK1_DMP_TOP_ADRS_1] EQ 42
0067 C. ÇÇ[HK1_DMP_TOP_ADRS_0] EQ 0
0068 C. ÇÇ[HK1_DMP_BLOCK_NUM] EQ 65
0069 C. ÇÇ[HK1_DMP_REPEAT_NUM] EQ 0
0070 C. ÇÇ[HK1_DMA_DMP_PIM] EQ DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 C. ÇÇ[HK1_PKT_FORM_NO] EQ 7
0074 C. ÇÇ[HK1_PKT_GEN_TIME] EQ 0.25 s
0075 C. ÇÇ[HK1_S_TLM_BIT_RATE] EQ 32k
0076 C. ÇÇ[HK1_X_TLM_BIT_RATE] EQ 4M
0077 C. ÇÇ[HK1_DMP_CHK_FLG] EQ EXEC
0078 . C. ¥À¥ó¥×¼°áî»¼³íÇ$
0079 C. ÇÇ[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG, RAM ID=OP¼í¾Ê¹Ç•è²íOK¼³íÇ$
0081 C.
0082 . C. ***** °Ê²¼¼í¾Ä´¼¼°¼ÊÊ¬¼°Á÷¿® (¾å¼µ-¥À¥ó¥×¼°è¼Ç¼¼°ÁÖÄ¼Ç¼°¼¼°è¾í¹Ç¼Ç¼Ä) *****
0083 C. DHU¥ä;¼¥É;Ê¼ý½, ¥í;¼¥É;Ê¼òíá¼¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 C. ÇÇ[HK1_PKT_FORM_NO] EQ 2
0087 C. ÇÇ[HK1_PKT_GEN_TIME] EQ 0.5S
0088 C. ÇÇ[HK1_S_TLM_BIT_RATE] EQ 32K
0089 C. ÇÇ[HK1_X_TLM_BIT_RATE] EQ 4M
0090 C.
0091 . C. *****
0092 C. TI-CMD SET (OPOG STOP/COPY/START)
0093 C. *****
0094 C.
0095 . C. NOTICE ;$ OPOG UPLOAD¼¬Á÷¿®NG¼í¾í¹Ç;Ç°Ê²¼¼í¾TI-CMDÁ÷¿®¼í¾Á¹Ô¼•¼Ê¼µ¼³¼È;£
```

0096	C.				
0097	C.				
0098	. C.	TI 2026-09-08 10:38:00.0			
0099	+ . TI	2026-09-08 10:38:00.0			
0100	DC	01-B3 DHU_OP_STOP			
0101	C.		EQ	1COUNTUP	
0102	C.				
0103	+ . TI	2026-09-08 10:38:01.0			
0104	DC	01-B4 DHU_OP_COPY			
0105	C.		EQ	1COUNTUP	
0106	C.				
0107	+ . TI	2026-09-08 10:38:01.0			
0108	DC	01-B5 DHU_OPOG_COPY			
0109	C.		EQ	1COUNTUP	
0110	C.				
0111	+ . TI	2026-09-08 10:42:59.5			
0112	DC	01-B2 DHU_OP_START			
0113	C.		EQ	1COUNTUP	
0114	C.				
0115	C.				
0116	C.		EQ	ENA	
0117	C.		EQ	4	
0118	C.		EQ	DHU	
0119	C.		EQ	0xB3	
0120	C.				
0121	. C.	*****			
0122	C.	TI 2026-09-08 10:42:59.5			
0123	C.	*****			
0124	C.				
0125	C.	TI_TBL(0x03AB00-0x03AEFF;\$ 1024byte)			
0126	+ . DC	01-23 DHU_DMA_DMP_PRM_SET			
0127	BC	(03 ab 03 01 02)			
0128	C.		EQ	07	
0129	C.		EQ	2B	
0130	C.		EQ	3	
0131	C.		EQ	0	
0132	C.		EQ	DHU	
0133	+ . DC	01-22 DHU_MODE_CHNG			
0134	BC	(07 0b f8)			
0135	C.		EQ	7	
0136	C.		EQ	0.25 s	
0137	C.		EQ	32k	
0138	C.		EQ	4M	
0139	C.		EQ	EXEC	
0140	C.				
0141	. C.				
0142	C.		EQ	NON	
0143	C.				
0144	. C.	RAM ID=TI_TBL			
0145	C.				
0146	. C.	DHU 2026-09-08 10:42:59.5			
0147	+ . DC	01-22 DHU_MODE_CHNG			
0148	BC	(02 0a f8)			
0149	C.		EQ	2	
0150	C.		EQ	0.5S	
0151	C.		EQ	32K	
0152	C.		EQ	4M	
0153	C.				
0154	C.	*****			
0155	C.	SOT TI command set			
0156	C.	*****			
0157	C.	Execute, after the success of OP upload.			
0158	+ . TI	2026-09-08 10:42:16.0			
0159	DC	07-F0 MDP_SOT_MODE_STBY			
0160	BC	(41)			
0161	. C.	-----			
0162	C.	HK1_TI_CMD_NUM = 1 CNTUP []			
0163	C.	-----			
0164	C.	***** SOT END *****			
0165	. C.	Stop EIS observation and temporarily disable EIS mode changes			
0166	C.				
0167	C.				
0168	C.	***** Start EIS operation (TI set) *****			
0169	C.	Execute, after the success of OP upload.			
0170	C.	Set EIS TI-commands			
0171	+ . TI	2026-09-08 10:42:30.0			
0172	DC	07-FC EIS_MODE_MANU			
0173	BC	(21 02)			
0174	+ . TI	2026-09-08 10:42:40.0			
0175	DC	07-FC EIS_MODE_CHG_DIS			
0176	BC	(22)			
0177	. C.	[] [HK1_TI_CMD_NUM]	EQ	2 COUNTUP	
0178	C.	***** End EIS operation (TI set) *****			
0179	C.				
0180	C.				
0181	C.				
0182	C.	***** XRT START *****			
0183	C.	Execute, after the success of OP upload.			
0184	+ . TI	2026-09-08 10:42:00.0			
0185	DC	07-F0 MDP_XRT_MODE_STBY			
0186	BC	(c3)			
0187	. C.	[] [HK1_TI_CMD_NUM]	EQ	1COUNTUP	
0188	C.				
0189	C.	***** XRT END *****			
0190	C.				
0191	. C.				

```
0194      (MDP_known_event)
0195      C.
0196      C.
0197      . C. ***** 𐄂𐄂𐄂!•İ Daily±ĭİÑ𐄂Ē'Ø𐄂¹𐄂ĕDCBC•x²è *****
0198      . S. DC-BC dcbc-153:DCBC
0199      (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200      C.
0201      C.
0202      . C. ĭāLOS𐄂Á𐄂$𐄂Ā𐄂⁻¼Ā»Üĭä
0203      C.
0204      . C. ***** LOS *****
0205      C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-212 2026-09-08 12:04:30 94 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSŸÁŸ$ŸÄŸ~¼Ä»Ü;ä
0005 C.
0006 C. ŸÄŸß;¼Ÿ³ŸÐŸóŸÉÄ÷ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Äí;ËççÄÄ•µ°Æ»Í×ÄÇÄÍŸçŸÄŸ×Ÿí;¼ŸÉ;ËËè½µ•ííË;ËÄË¼°ÇÖÄ•çç¼í¹ÇÄÍ;çÄ®,ùñ¹ÄèÄÐÄÇÄ÷ç®Ä•ÄËÄÄÄ³ÄË;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCS Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ()
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCU_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 . C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCS Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCS DUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCU_ORB_UPD
0044 . C.
0045 . C. ***** AOCS Commands (Orbital Element Update) *****
0046 C. Update the orbital element
0047 +. DC 02-50 AOCU_ORB_PRPGT_START
0048 BC (16)
0049 +. DC 02-8E AOCU_ORB_UPD
0050 C.
0051 C. <A_ORB>[ORBIT] EPC = 8175483.6 +- 1.0 (s) [ ]
0052 C.
0053 . C.
0054 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0055 +. DC 07-FC EIS_MODE_CHG_ENA
0056 BC (20)
0057 . C. Verify EIS_MODE_CHG_FLG is ENA
0058 +. DC 07-FC EIS_MODE_MANU
0059 BC (21 02)
0060 . C. Verify EIS in MANUAL mode
0061 . C. Estimated OBSTBL upload time is 10s
0062 C. *****
0063 C. EIS START OBSTBL LOAD
0064 C. *****
0065 . S. RAM ram-820:EIS_OBSTBL
0066 ()
0067 +. DC 07-FC EIS_DUMP_OBSTBL
0068 BC (07 07 07 00 00 70 00)
0069 C.
0070 C. Execute, after the success of OBSTBL upload.
0071 C. Set EIS TI-commands
0072 +. TI 2026-09-08 10:42:50.0
0073 DC 07-FC EIS_MODE_CHG_ENA
0074 BC (20)
0075 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0076 C. *****
0077 C. EIS END OBSTBL LOAD
0078 C. *****
0079 C.
0080 . C. ***** MDP ´ûÄîÄÍ»ö¼ŸÄËÄÄÄ¹ÄèDCBC•×²è *****
0081 C. (¾â°íŸóŸÄŸËŸÐŸŸËŸâŸçŸËŸË½¼Ä»Ü¹Äè)
0082 . S. DC-BC dcbc-402:DCBC
0083 (MDP_known_event)
0084 C.
0085 C.
0086 . C. ***** ŸÐŸ¹•İ Daily÷çÍÑÄË´ØÄ¹èDCBC•×²è *****
0087 . S. DC-BC dcbc-153:DCBC
0088 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0089 C.
0090 C.
0091 C. ;ãLOSŸÁŸ$ŸÄŸ~¼Ä»Ü;ä
0092 C.
0093 . C. ***** LOS *****
0094 C.
```

[illegible]

```
0096 + DC 07-F0 MDP_XRT_ARS_DIS
0097 BC (d5)
0098 + DC 07-F0 MDP_XRT_AEC_RESET
0099 BC (d0)
0100 + DC 07-F0 MDP_XRT_FLD_RESET
0101 BC (da)
0102 + DC 07-F0 MDP_XRT_QT_PROG_SET
0103 BC (c4 12)
0104 + DC 07-F0 MDP_XRT_FL_PROG_SET
0105 BC (c5 0e)
0106 . C. ----- Success Verify ? OK / NG ____
0107 C.
0108 C.
0109 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0110 C.
0111 + DC 07-F0 MDP_XRT_MODE_OBSV
0112 BC (c2)
0113 + TI 2026-09-08 10:42:02.0
0114 DC 07-F0 MDP_XRT_MODE_OBSV
0115 BC (c2)
0116 . C. ----- Success Verify ? OK / NG ____
0117 C.
0118 C. ***** XRT END *****
0119 C.
0120 . C. ***** MDP 'ûÃîñî»ö¼ýñÊÂðñ¹ñÊDCBC•x²è *****
0121 C. (¼å°îÿÓÿÃÿÊÿÐÿËÿÂÿÇÿËñÊ¼¼¼¼»Ûñ¹ñÊ)
0122 . S. DC-BC dcbc-402:DCBC
0123 (MDP_known_event)
0124 C.
0125 C.
0126 . C. ***** ¥Ðÿ¹•Ï Daily±¿ÍÑñÊ´Øñ¹ñÊDCBC•x²è *****
0127 . S. DC-BC dcbc-153:DCBC
0128 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0129 C.
0130 C.
0131 . C. ;ãLOS¥Á¥$¥Ã¥´¼Â»Û;ä
0132 C.
0133 . C. ***** LOS *****
0134 C.
```

Sep 08, 26 12:04

XRT_OGLIST_0550.chk

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*** OP Sequence for XRT ***

2026/09/08	10:52:54.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/08	10:52:56.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/08	10:52:58.0	XRT_FOCUS_POSITION_414_OG [0x19e]		
		XRT_FOCUS_POSITION	4	07-F8 22 fe 97 00
2026/09/08	10:53:00.0	AOCS_ORe-point_Start_1_OG [0x097]		
		AOCU_NM	5	02-76 00 b3 e8 02 0c
2026/09/08	10:53:18.0	XRT_FLD_ENA_411_OG [0x19b]		
		MDP_XRT_FLD_ENA	1	07-F0 d8
2026/09/08	10:53:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		
		MDP_XRT_FLRCTRL_ENA	1	07-F0 c8
2026/09/08	10:53:22.0	XRT_AEC_RESET_448_OG [0x1c0]		
		MDP_XRT_AEC_RESET	1	07-F0 d0
2026/09/08	10:53:24.0	XRT_ARS_DIS_423_OG [0x1a7]		
		MDP_XRT_ARS_DIS	1	07-F0 d5
2026/09/08	10:53:26.0	XRT_FLD_RESET_401_OG [0x191]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2026/09/08	10:55:56.0	XRT_QT_PROG_SET_405_OG [0x195]		
		MDP_XRT_QT_PROG_SET	2	07-F0 c4 08
2026/09/08	10:55:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]		
		MDP_XRT_FL_PROG_SET	2	07-F0 c5 0e
2026/09/08	10:56:00.0	XRT_CTRL_AUTO_408_OG [0x198]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2026/09/08	11:26:00.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/08	11:26:02.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/08	11:26:04.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2026/09/08	11:26:06.0	XRT_PREFLR_STRT_404_OG [0x194]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2026/09/08	11:29:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2026/09/08	11:35:00.0	XRT_Custom_430_OG [0x1ae]		
2026/09/08	11:36:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2026/09/08	15:14:30.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/08	15:14:32.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/08	15:14:34.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2026/09/08	15:14:36.0	XRT_PREFLR_STRT_404_OG [0x194]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2026/09/08	15:17:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2026/09/08	15:20:30.0	XRT_Custom_430_OG [0x1ae]		
2026/09/08	15:21:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2026/09/08	16:46:30.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/08	16:46:32.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/08	16:46:34.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2026/09/08	16:46:36.0	XRT_PREFLR_STRT_404_OG [0x194]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2026/09/08	16:49:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2026/09/08	17:10:00.0	XRT_Custom_430_OG [0x1ae]		
2026/09/08	17:11:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2026/09/08	17:58:54.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/08	17:58:56.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/08	17:58:58.0	XRT_FOCUS_POSITION_406_OG [0x196]		
		XRT_FOCUS_POSITION	4	07-F8 22 ff aa 00
2026/09/08	17:59:00.0	AOCS_ORe-point_Start_2_OG [0x098]		
		AOCU_NM	5	02-76 00 00 00 00 00
2026/09/08	17:59:18.0	XRT_FLD_DIS_409_OG [0x199]		
		MDP_XRT_FLD_DIS	1	07-F0 d9
2026/09/08	17:59:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]		
		MDP_XRT_FLRCTRL_DIS	1	07-F0 c9
2026/09/08	17:59:22.0	XRT_ARS_DIS_420_OG [0x1a4]		
		MDP_XRT_ARS_DIS	1	07-F0 d5
2026/09/08	18:01:58.0	XRT_QT_PROG_SET_428_OG [0x1ac]		
		MDP_XRT_QT_PROG_SET	2	07-F0 c4 11
2026/09/08	18:02:00.0	XRT_CTRL_AUTO_408_OG [0x198]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2026/09/08	18:08:54.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/08	18:08:56.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/08	18:08:58.0	XRT_FOCUS_POSITION_414_OG [0x19e]		
		XRT_FOCUS_POSITION	4	07-F8 22 fe 97 00
2026/09/08	18:09:00.5	AOCS_ORe-point_Start_3_OG [0x099]		
		AOCU_NM	5	02-76 04 03 e7 02 0c
2026/09/08	18:09:18.0	XRT_FLD_ENA_411_OG [0x19b]		
		MDP_XRT_FLD_ENA	1	07-F0 d8

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2026/09/08	18:09:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2026/09/08	18:09:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2026/09/08	18:09:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2026/09/08	18:09:26.0	XRT_FLD_RESET_401_OG [0x191]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/08	18:11:56.0	XRT_QT_PROG_SET_445_OG [0x1bd]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01
2026/09/08	18:11:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2026/09/08	18:12:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/08	18:23:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/08	18:23:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/08	18:23:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/08	18:23:06.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/08	18:26:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/08	18:46:30.0	XRT_Custom_430_OG [0x1ae]			
2026/09/08	18:47:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/08	19:59:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/08	19:59:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/08	19:59:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/08	19:59:36.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/08	20:02:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/08	20:23:00.0	XRT_Custom_430_OG [0x1ae]			
2026/09/08	20:24:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/08	21:36:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/08	21:36:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/08	21:36:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/08	21:36:36.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/08	21:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/08	22:00:00.0	XRT_Custom_430_OG [0x1ae]			
2026/09/08	22:01:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/08	23:13:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/08	23:13:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/08	23:13:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/08	23:13:36.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/08	23:16:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/08	23:35:00.0	XRT_Custom_430_OG [0x1ae]			
2026/09/08	23:36:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/09	00:50:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	00:50:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	00:50:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/09	00:50:36.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/09	00:53:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/09	01:00:30.0	XRT_Custom_430_OG [0x1ae]			
2026/09/09	01:01:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/09	02:16:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	02:16:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	02:16:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/09	02:16:06.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/09	02:19:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/09	02:33:00.0	XRT_Custom_430_OG [0x1ae]			
2026/09/09	02:34:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/09	03:48:30.0	XRT_CTRL_MANU_400_OG [0x190]			

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2026/09/09	03:48:32.0	MDP_XRT_CTRL_MANU	1	07-F0	c1
		XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	03:48:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/09	03:48:36.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/09	03:51:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/09	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	03:59:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	03:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2026/09/09	04:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2026/09/09	04:00:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2026/09/09	04:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2026/09/09	04:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2026/09/09	04:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2026/09/09	04:00:26.0	XRT_FLD_RESET_401_OG [0x191]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/09	04:02:56.0	XRT_QT_PROG_SET_435_OG [0x1b3]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04
2026/09/09	04:02:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2026/09/09	04:09:30.0	XRT_Custom_430_OG [0x1ae]			
2026/09/09	04:10:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/09	05:17:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	05:17:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	05:17:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/09	05:17:36.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/09	05:20:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/09	05:46:30.0	XRT_Custom_430_OG [0x1ae]			
2026/09/09	05:47:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/09	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	05:59:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	05:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2026/09/09	06:00:18.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2026/09/09	06:00:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2026/09/09	06:00:22.0	XRT_ARS_DIS_420_OG [0x1a4]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2026/09/09	06:02:58.0	XRT_QT_PROG_SET_428_OG [0x1ac]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2026/09/09	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/09	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	06:09:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	06:09:58.0	XRT_FOCUS_POSITION_414_OG [0x19e]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2026/09/09	06:10:00.0	AOCS_ORe-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	04 03 e7 02 0c
2026/09/09	06:10:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2026/09/09	06:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2026/09/09	06:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2026/09/09	06:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2026/09/09	06:10:26.0	XRT_FLD_RESET_401_OG [0x191]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/09	06:12:56.0	XRT_QT_PROG_SET_445_OG [0x1bd]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01
2026/09/09	06:12:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2026/09/09	06:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/09	06:57:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	06:57:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	06:57:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da

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2026/09/09	06:57:36.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/09	07:00:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/09	07:23:30.0	XRT_Custom_430_OG [0x1ae]			
2026/09/09	07:24:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/09	08:37:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	08:37:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	08:37:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/09	08:37:36.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/09	08:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/09	09:00:30.0	XRT_Custom_430_OG [0x1ae]			
2026/09/09	09:01:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/09	10:17:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	10:17:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	10:17:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/09	10:17:06.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/09	10:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/09	10:24:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	10:24:56.0	XRT_FOCUS_POSITION_414_OG [0x19e]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2026/09/09	10:25:00.0	AOCs_Or-point_Start_4_OG [0x09a]			
		AOCU_NM	5	02-76	00 53 e7 02 0c
2026/09/09	10:25:16.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2026/09/09	10:25:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2026/09/09	10:25:20.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2026/09/09	10:25:22.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2026/09/09	10:25:24.0	XRT_FLD_RESET_431_OG [0x1af]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/09	10:27:56.0	XRT_QT_PROG_SET_405_OG [0x195]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08
2026/09/09	10:27:58.0	XRT_FL_PROG_SET_403_OG [0x193]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0b
2026/09/09	10:35:30.0	XRT_Custom_430_OG [0x1ae]			
2026/09/09	10:36:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/09	15:43:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	15:43:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	15:43:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/09	15:43:06.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/09	15:46:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/09	15:54:00.0	XRT_Custom_430_OG [0x1ae]			
2026/09/09	15:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/09	17:17:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	17:17:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	17:17:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/09	17:17:36.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/09	17:20:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/09	17:41:00.0	XRT_Custom_430_OG [0x1ae]			
2026/09/09	17:42:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/09	17:56:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	17:56:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/09	17:56:58.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2026/09/09	17:57:00.0	AOCs_Or-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2026/09/09	17:57:18.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2026/09/09	17:57:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2026/09/09	17:57:22.0	XRT_ARS_DIS_420_OG [0x1a4]			
		MDP_XRT_ARS_DIS	1	07-F0	d5

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2026/09/09	17:59:58.0	XRT_QT_PROG_SET_428_OG [0x1ac]			
		MDP_XRT_QT_PROG_SET	2	07-F0 c4 11	
2026/09/09	18:00:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0 c0	
2026/09/09	18:06:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2026/09/09	18:06:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2026/09/09	18:06:58.0	XRT_FOCUS_POSITION_414_OG [0x19e]			
		XRT_FOCUS_POSITION	4	07-F8 22 fe 97 00	
2026/09/09	18:07:00.0	AOCS_ORe-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76 04 03 e7 02 0c	
2026/09/09	18:07:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0 d8	
2026/09/09	18:07:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0 c8	
2026/09/09	18:07:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0 d0	
2026/09/09	18:07:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0 d5	
2026/09/09	18:07:26.0	XRT_FLD_RESET_401_OG [0x191]			
		MDP_XRT_FLD_RESET	1	07-F0 da	
2026/09/09	18:09:56.0	XRT_QT_PROG_SET_445_OG [0x1bd]			
		MDP_XRT_QT_PROG_SET	2	07-F0 c4 01	
2026/09/09	18:09:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]			
		MDP_XRT_FL_PROG_SET	2	07-F0 c5 0e	
2026/09/09	18:10:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0 c0	
2026/09/09	18:54:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2026/09/09	18:54:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2026/09/09	18:54:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0 da	
2026/09/09	18:54:06.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0 e8	
2026/09/09	18:57:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0 e9	
2026/09/09	19:17:30.5	XRT_Custom_430_OG [0x1ae]			
2026/09/09	19:18:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0 c0	
2026/09/09	20:30:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2026/09/09	20:30:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2026/09/09	20:30:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0 da	
2026/09/09	20:30:36.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0 e8	
2026/09/09	20:33:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0 e9	
2026/09/09	20:54:00.0	XRT_Custom_430_OG [0x1ae]			
2026/09/09	20:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0 c0	
2026/09/09	22:07:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2026/09/09	22:07:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2026/09/09	22:07:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0 da	
2026/09/09	22:07:36.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0 e8	
2026/09/09	22:10:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0 e9	
2026/09/09	22:30:30.0	XRT_Custom_430_OG [0x1ae]			
2026/09/09	22:31:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0 c0	
2026/09/09	23:45:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2026/09/09	23:45:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2026/09/09	23:45:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0 da	
2026/09/09	23:45:06.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0 e8	
2026/09/09	23:48:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0 e9	
2026/09/10	00:05:30.0	XRT_Custom_430_OG [0x1ae]			
2026/09/10	00:06:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0 c0	
2026/09/10	01:21:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2026/09/10	01:21:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2026/09/10	01:21:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0 da	
2026/09/10	01:21:36.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0 e8	
2026/09/10	01:24:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0 e9	
2026/09/10	01:29:30.0	XRT_Custom_430_OG [0x1ae]			
2026/09/10	01:30:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0 c0	

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2026/09/10	02:45:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/10	02:45:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/10	02:45:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/10	02:45:06.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/10	02:48:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/10	03:04:00.0	XRT_Custom_430_OG [0x1ae]			
2026/09/10	03:05:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/10	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/10	03:59:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/10	03:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2026/09/10	04:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2026/09/10	04:00:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2026/09/10	04:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2026/09/10	04:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2026/09/10	04:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2026/09/10	04:00:26.0	XRT_FLD_RESET_401_OG [0x191]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/10	04:02:56.0	XRT_QT_PROG_SET_435_OG [0x1b3]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04
2026/09/10	04:02:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2026/09/10	04:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/10	04:20:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/10	04:20:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/10	04:20:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/10	04:20:06.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/10	04:23:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/10	04:40:30.5	XRT_Custom_430_OG [0x1ae]			
2026/09/10	04:41:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/10	05:50:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/10	05:50:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/10	05:50:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2026/09/10	05:50:06.0	XRT_PREFLR_STRT_404_OG [0x194]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/09/10	05:53:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/09/10	06:18:00.0	XRT_Custom_430_OG [0x1ae]			
2026/09/10	06:19:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/10	06:26:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/10	06:26:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/10	06:26:58.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2026/09/10	06:27:18.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2026/09/10	06:27:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2026/09/10	06:27:22.0	XRT_ARS_DIS_420_OG [0x1a4]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2026/09/10	06:29:58.0	XRT_QT_PROG_SET_428_OG [0x1ac]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2026/09/10	06:30:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/09/10	06:36:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/10	06:36:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/09/10	06:36:58.0	XRT_FOCUS_POSITION_414_OG [0x19e]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2026/09/10	06:37:00.0	AOCS_ORe-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	04 03 e7 02 0c
2026/09/10	06:37:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2026/09/10	06:37:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2026/09/10	06:37:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0

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2026/09/10	06:37:24.0	XRT_ARS_DIS_423_OG [0x1a7]		
		MDP_XRT_ARS_DIS	1	07-F0 d5
2026/09/10	06:37:26.0	XRT_FLD_RESET_401_OG [0x191]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2026/09/10	06:39:56.0	XRT_QT_PROG_SET_421_OG [0x1a5]		
		MDP_XRT_QT_PROG_SET	2	07-F0 c4 0f
2026/09/10	06:39:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]		
		MDP_XRT_FL_PROG_SET	2	07-F0 c5 0e
2026/09/10	06:40:00.0	XRT_CTRL_AUTO_408_OG [0x198]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2026/09/10	07:30:00.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/10	07:30:02.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/10	07:30:04.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2026/09/10	07:30:06.0	XRT_PREFLR_STRT_404_OG [0x194]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2026/09/10	07:33:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2026/09/10	07:55:00.0	XRT_Custom_430_OG [0x1ae]		
2026/09/10	07:56:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2026/09/10	09:09:30.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/10	09:09:32.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/10	09:09:34.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2026/09/10	09:09:36.0	XRT_PREFLR_STRT_404_OG [0x194]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2026/09/10	09:12:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2026/09/10	09:31:30.0	XRT_Custom_430_OG [0x1ae]		
2026/09/10	09:32:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2026/09/10	10:49:30.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/10	10:49:32.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/10	10:49:34.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2026/09/10	10:49:36.0	XRT_PREFLR_STRT_404_OG [0x194]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2026/09/10	10:52:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2026/09/10	11:07:00.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2026/09/10	11:24:00.0	AOCS_ORe-point_Start_2_OG [0x098]		
		AOCU_NM	5	02-76 00 00 00 00 00