XRT Timeline to be uploaded on 2025/12/30

Period: 2025/12/30 11:20:00 - 2026/01/07 12:18:00

✲ ✲ ✲ ✲ ✲ **Normal mode** ✲ ✲ ✲ ✲ ✲

XOB #1BBA: 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
12/30 11:33:00 - 12/30 17:37:30	Fixed (937.0, -200.9)	# OP start + 10min + AR14321
12/30 18:19:30 - 12/30 19:14:00	Track (-449.7, 390.6) @ 12/30 18:11:00	AR14324
12/30 19:44:00 - 12/31 03:59:54	Fixed (937.0, -200.9)	AR14321

PROG= 10 Inf.-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 92 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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) 120.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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

XOB #1D07: Synoptic 8 Filter w/ Al-mesh(5/128/723), Al-poly(8/181/1443), Thin-Be(33/512/4096), Thick-Be(32768), Med-Al(256/8192/32768), Med-Be(128/5795

Term	Pointing (x, y)	Comment
12/30 18:04:00 - 12/30 18:10:54	Fixed (0.0, 0.0)	synoptic, shifted 1.0 min
12/31 05:31:30 - 12/31 05:38:24	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted -31.5 min
12/31 17:47:30 - 12/31 17:54:24	Fixed (0.0, 0.0)	synoptic, shifted -15.5 min
01/01 06:03:00 - 01/01 06:09:54	Fixed (0.0, 0.0)	HOP349 + synoptic
01/01 18:03:00 - 01/01 18:09:54	Fixed (0.0, 0.0)	synoptic
01/02 06:16:30 - 01/02 06:23:24	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted 13.5 min
01/02 18:02:30 - 01/02 18:09:24	Fixed (0.0, 0.0)	synoptic, shifted -0.5 min
01/03 05:45:00 - 01/03 05:51:54	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted -18.0 min
01/03 17:45:30 - 01/03 17:52:24	Fixed (0.0, 0.0)	synoptic, shifted -17.5 min
01/04 05:52:30 - 01/04 05:59:30	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted -1.5 min

PROG= 06 1-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 5 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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= 26 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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	125ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	707ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Seqn= 99 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8ms	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	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Seqn= 83 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
thin-Be/Open	thin-Be/Open	close	Safe	Norm	32ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Seqn= 23 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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= 41 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/thick-Be	Open/thick-Be	close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 17 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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= 75 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	44ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

XOB #1D29: 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
12/31 04:08:00 - 12/31 05:28:24	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted -31.5 min
01/01 04:03:00 - 01/01 05:59:54	Fixed (0.0, 0.0)	HOP349 + synoptic
01/02 04:28:00 - 01/02 06:13:24	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted 13.5 min
01/03 04:04:00 - 01/03 05:38:30	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted -18.0 min
01/04 04:07:00 - 01/04 05:49:24	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted -1.5 min

PROG= 02 Inf.-time(s)

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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 6-time(s) 1200.0sec												
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

XOB #1BFE: 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
12/31 05:46:30 - 12/31 07:49:54	Track (-278.3, -145.7) @ 12/31 05:38:30	AR14325
12/31 08:16:00 - 12/31 17:44:24	Fixed (937.0, -200.9)	AR14321
12/31 17:57:30 - 12/31 19:43:54	Track (-264.4, 396.2) @ 12/31 17:54:30	AR14324
12/31 20:10:00 - 01/01 03:35:00	Fixed (937.0, -200.9)	AR14321
01/01 06:18:00 - 01/01 17:59:54	Track (-52.2, -141.9) @ 01/01 06:10:00	AR14325
01/01 18:13:00 - 01/02 03:59:54	Track (-62.3, 399.8) @ 01/01 18:10:00	AR14324

PROG= 09 Inf.-time(s)

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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 4-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= 77 4-time(s) 300.0sec												
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	95.0sec
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	95.0sec
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

XOB #1C92: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 600s cad (G-band/Leak first)

Term	Pointing (x, y)	Comment
01/02 06:26:30 - 01/02 17:35:00	Track (173.0, -140.9) @ 01/02 06:23:30	AR14325
01/02 18:15:30 - 01/03 03:59:54	Track (139.8, 400.8) @ 01/02 18:09:30	AR14324
01/03 05:55:00 - 01/03 17:42:24	Track (381.0, -142.9) @ 01/03 05:52:00	AR14325
01/03 17:55:30 - 01/04 03:59:54	Track (331.4, 399.0) @ 01/03 17:52:30	AR14324

PROG= 11 Inf.-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 30 1-time(s) 2.0sec													
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 2 5-time(s) 720.0sec													
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
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer		Interval

✲ ✲ ✲ ✲ ✲ Flare mode ✲ ✲ ✲ ✲ ✲

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) + Gb

Term	Pointing (x, y)	Comment
12/30 11:33:00 - 12/30 17:37:30	Fixed (937.0, -200.9)	# OP start + 10min + AR14321
12/30 18:19:30 - 12/30 19:14:00	Track (-449.7, 390.6) @ 12/30 18:11:00	AR14324
12/30 19:44:00 - 12/31 03:59:54	Fixed (937.0, -200.9)	AR14321
12/31 04:08:00 - 12/31 05:28:24	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted -31.5 min
12/31 05:46:30 - 12/31 07:49:54	Track (-278.3, -145.7) @ 12/31 05:38:30	AR14325
12/31 08:16:00 - 12/31 17:44:24	Fixed (937.0, -200.9)	AR14321
12/31 17:57:30 - 12/31 19:43:54	Track (-264.4, 396.2) @ 12/31 17:54:30	AR14324
12/31 20:10:00 - 01/01 03:35:00	Fixed (937.0, -200.9)	AR14321
01/01 04:03:00 - 01/01 05:59:54	Fixed (0.0, 0.0)	HOP349 + synoptic
01/01 06:18:00 - 01/01 17:59:54	Track (-52.2, -141.9) @ 01/01 06:10:00	AR14325
01/01 18:13:00 - 01/02 03:59:54	Track (-62.3, 399.8) @ 01/01 18:10:00	AR14324
01/02 04:28:00 - 01/02 06:13:24	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted 13.5 min
01/02 06:26:30 - 01/02 17:35:00	Track (173.0, -140.9) @ 01/02 06:23:30	AR14325
01/02 18:15:30 - 01/03 03:59:54	Track (139.8, 400.8) @ 01/02 18:09:30	AR14324
01/03 04:04:00 - 01/03 05:38:30	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted -18.0 min
01/03 05:55:00 - 01/03 17:42:24	Track (381.0, -142.9) @ 01/03 05:52:00	AR14325
01/03 17:55:30 - 01/04 03:59:54	Track (331.4, 399.0) @ 01/03 17:52:30	AR14324
01/04 04:07:00 - 01/04 05:49:24	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted -1.5 min

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

✲ ✲ ✲ ✲ ✲ Active Region Search ✲ ✲ ✲ ✲ ✲

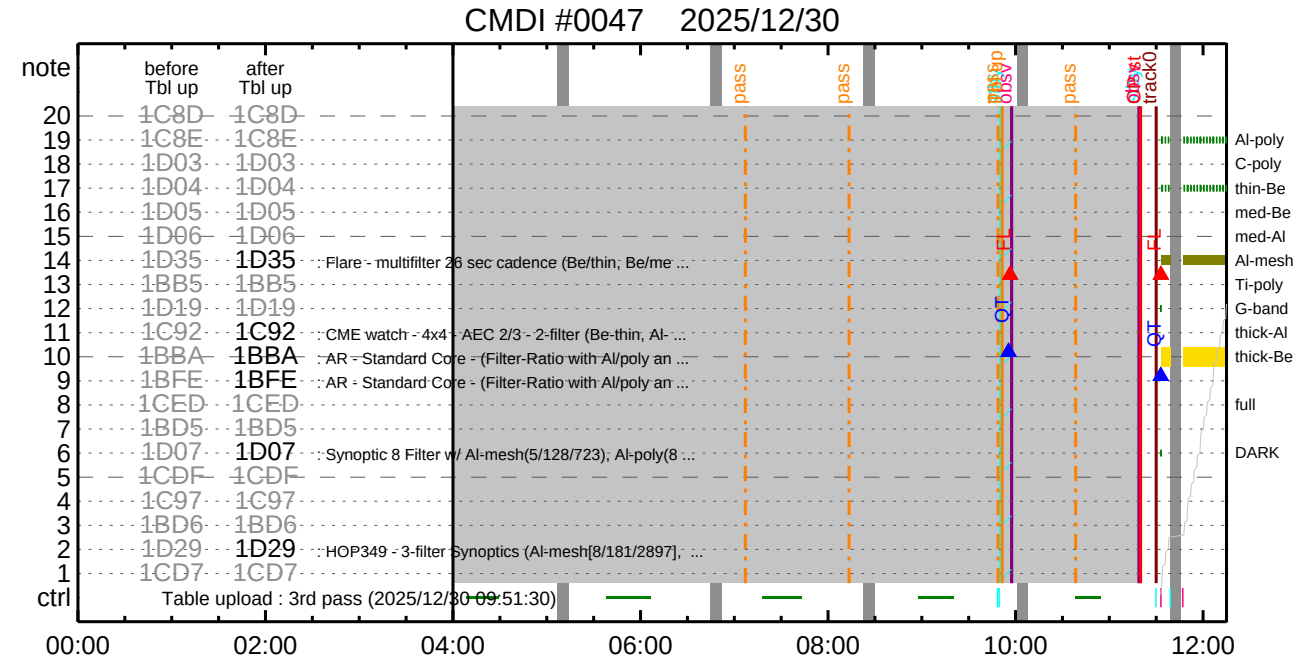
NOT USED

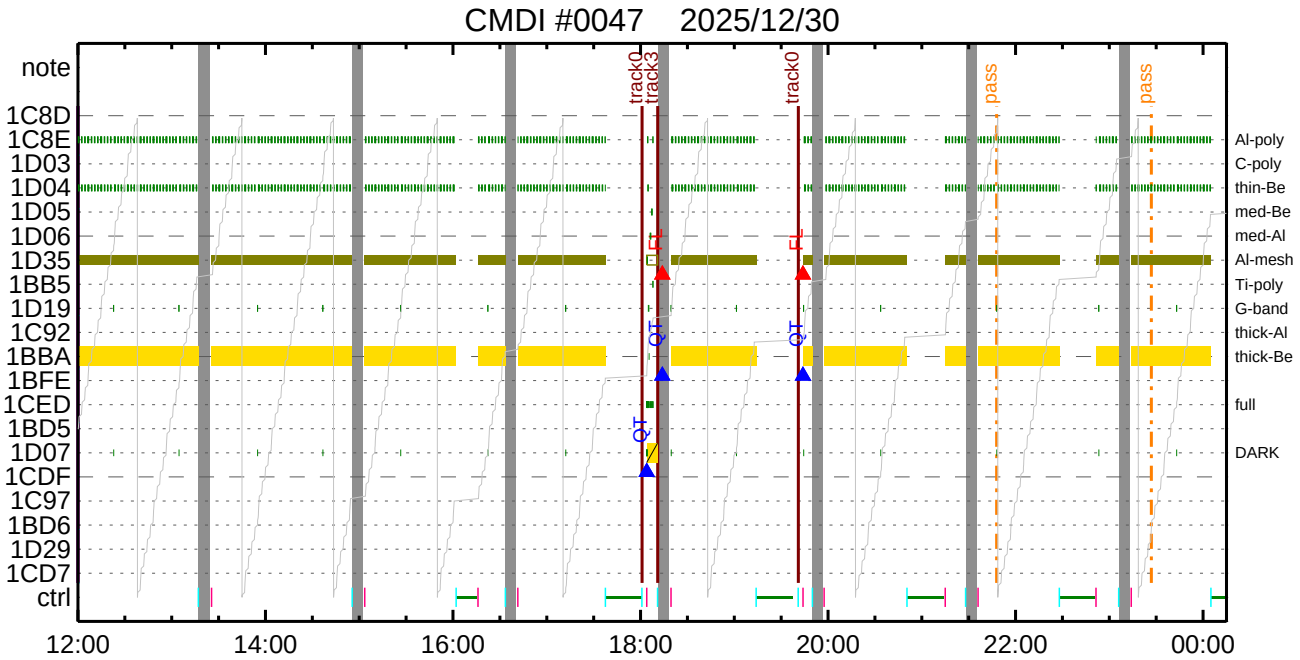
✲ ✲ ✲ ✲ ✲ Flare Detection ✲ ✲ ✲ ✲ ✲

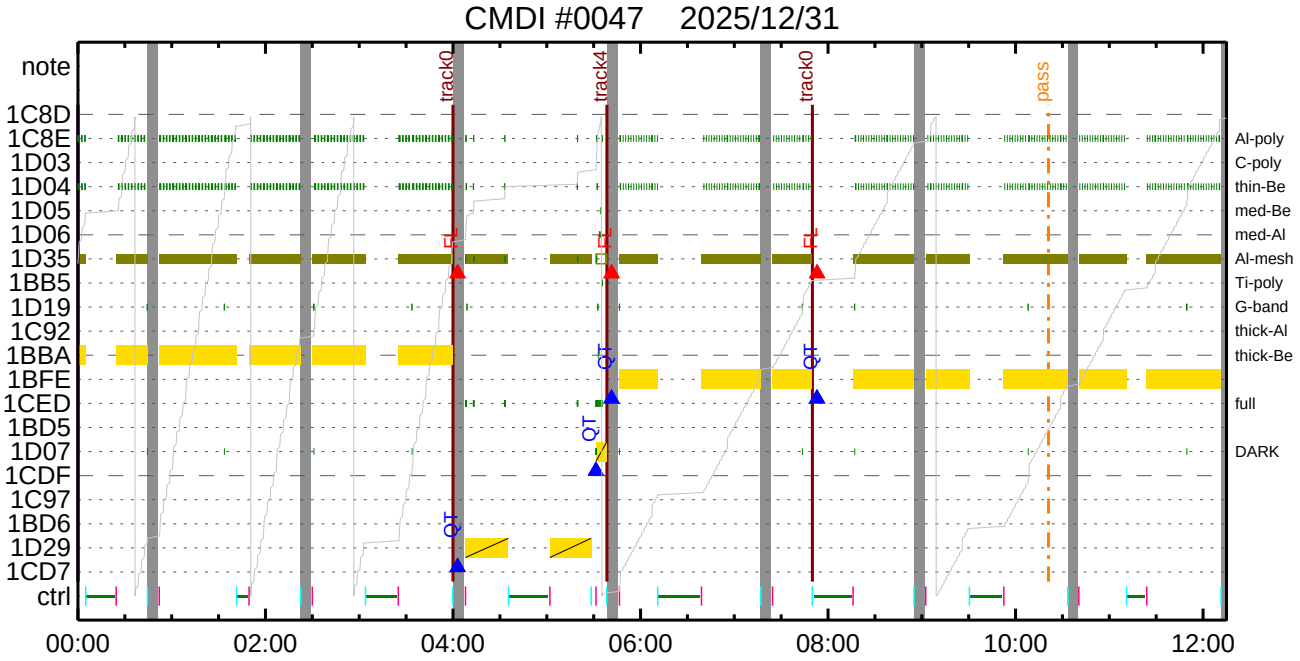
FLD Patrol

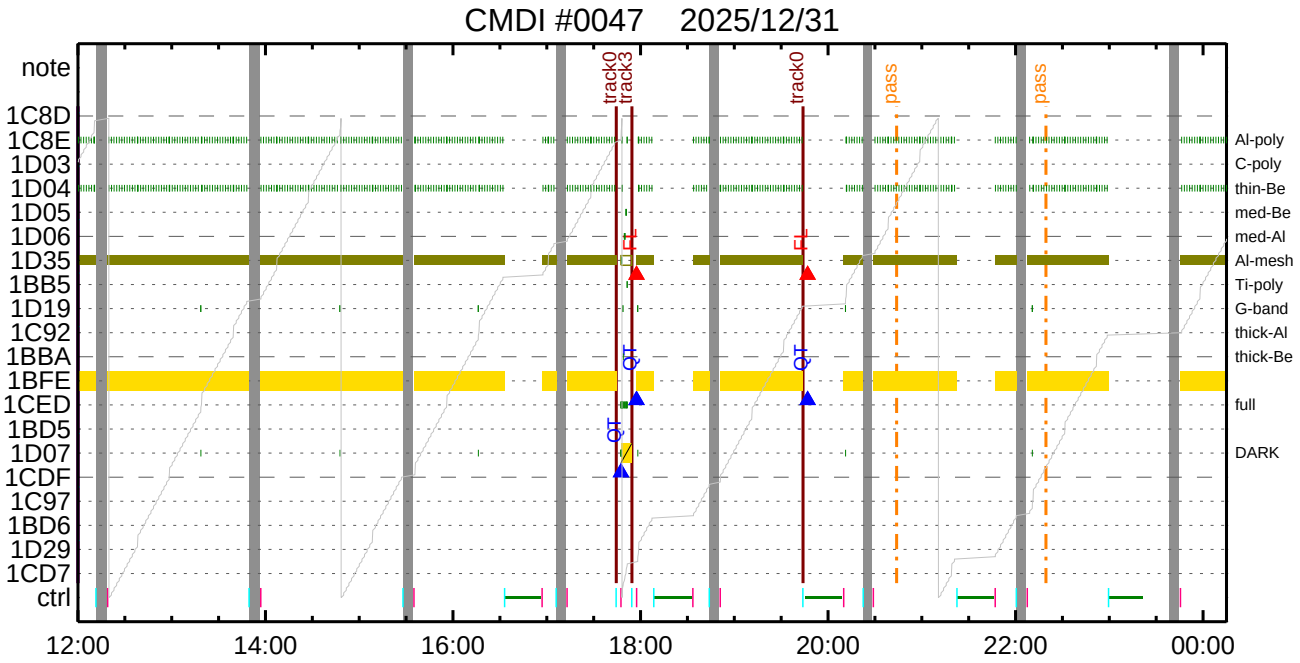
Term	Pointing (x, y)	Comment
12/30 09:52:30 - 12/30 18:01:16	cannot be identified	
12/30 18:11:16 - 12/31 05:28:46	Track (-449.7, 390.6) @ 12/30 18:11:00	AR14324
12/31 05:38:46 - 12/31 17:44:46	Track (-278.3, -145.7) @ 12/31 05:38:30	AR14325
12/31 17:54:46 - 01/01 06:00:16	Track (-264.4, 396.2) @ 12/31 17:54:30	AR14324
01/01 06:10:16 - 01/01 18:00:16	Track (-52.2, -141.9) @ 01/01 06:10:00	AR14325
01/01 18:10:16 - 01/02 06:13:46	Track (-62.3, 399.8) @ 01/01 18:10:00	AR14324
01/02 06:23:46 - 01/02 17:59:46	Track (173.0, -140.9) @ 01/02 06:23:30	AR14325
01/02 18:09:46 - 01/03 05:42:16	Track (139.8, 400.8) @ 01/02 18:09:30	AR14324
01/03 05:52:16 - 01/03 17:42:46	Track (381.0, -142.9) @ 01/03 05:52:00	AR14325
01/03 17:52:46 - 01/04 05:49:46	Track (331.4, 399.0) @ 01/03 17:52:30	AR14324

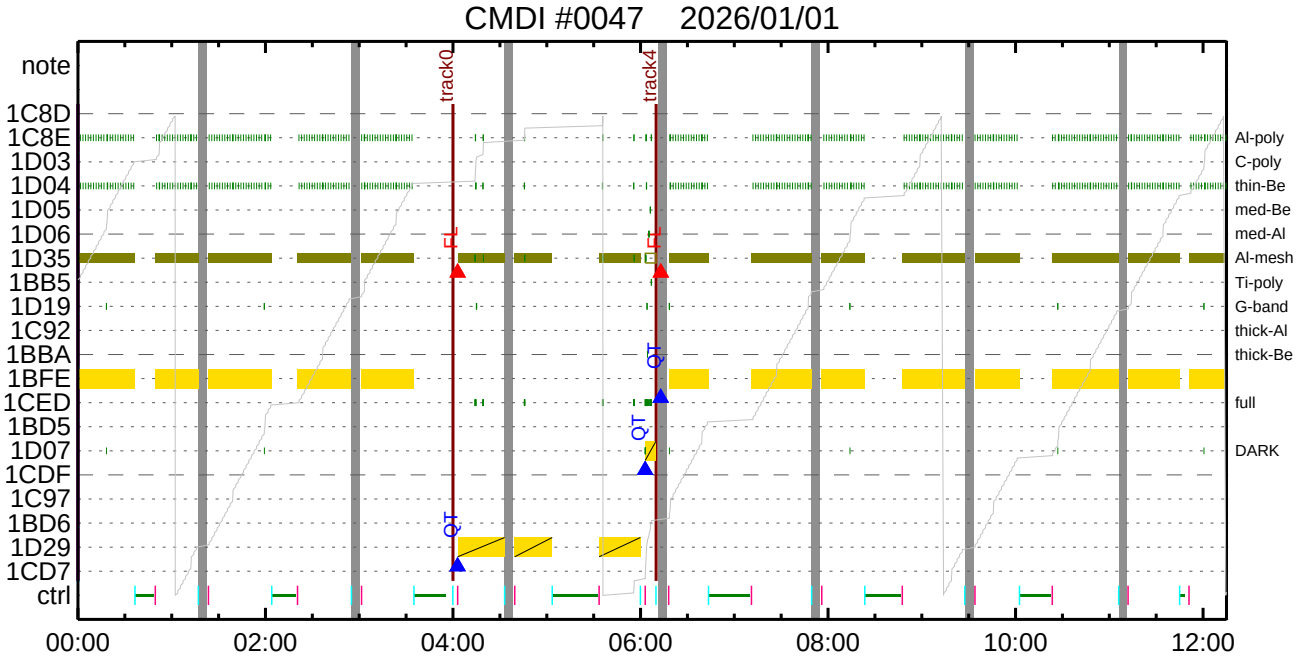
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4ms	Obs	8x8		Q=50			30sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer		Interval

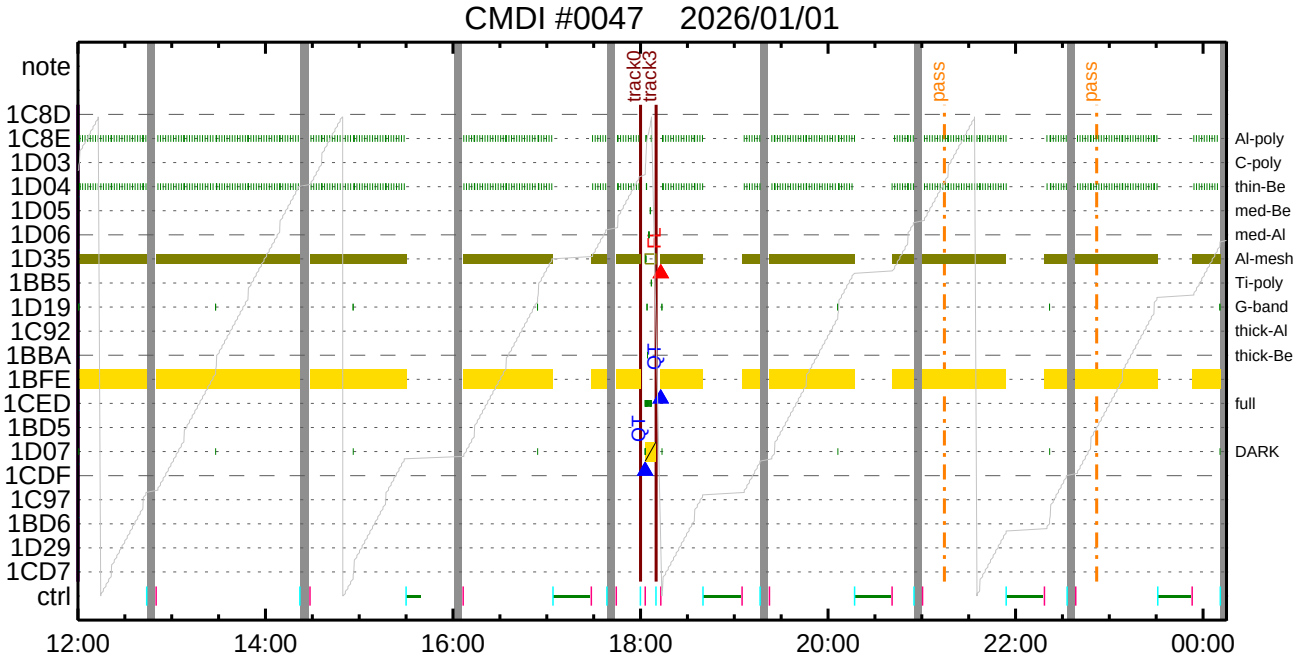

CMDI #0047 2025/12/30
note
before Tbl up
after Tbl up
20 1C8D 1C8D
19 1C8E 1C8E
18 1D03 1D03
17 1D04 1D04
16 1D05 1D05
15 1D06 1D06
14 1D35 1D35 : Flare - multifilter 26 sec cadence (Be/thin; Be/me ...
13 1BB5 1BB5
12 1D19 1D19
11 1C92 1C92 : CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al- ...
10 1BBA 1BBA : AR - Standard Core - (Filter-Ratio with Al/poly an ...
9 1BFE 1BFE : AR - Standard Core - (Filter-Ratio with Al/poly an ...
8 1CED 1CED
7 1BD5 1BD5
6 1D07 1D07 : Synoptic 8 Filter w/ Al-mesh(5/128/723); Al-poly(8 ...
5 1CDF 1CDF
4 1C97 1C97
3 1BD6 1BD6
2 1D29 1D29 : HOP349 - 3-filter Synoptics (Al-mesh[8/181/2897], ...
1 1CD7 1CD7
ctrl
Table upload : 3rd pass (2025/12/30 09:51:30)
pass
pass
pass
pass
track0
FL
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

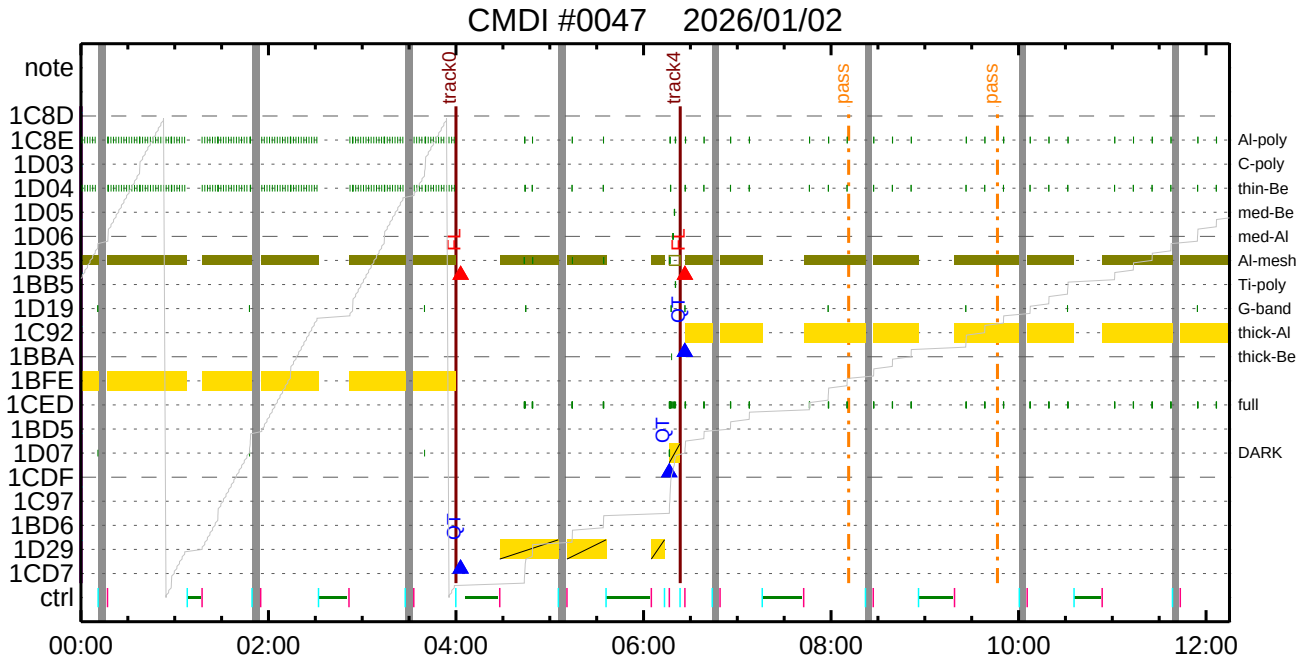

CMDI #0047 2025/12/30
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track0
track3
track0
pass
pass
FL
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

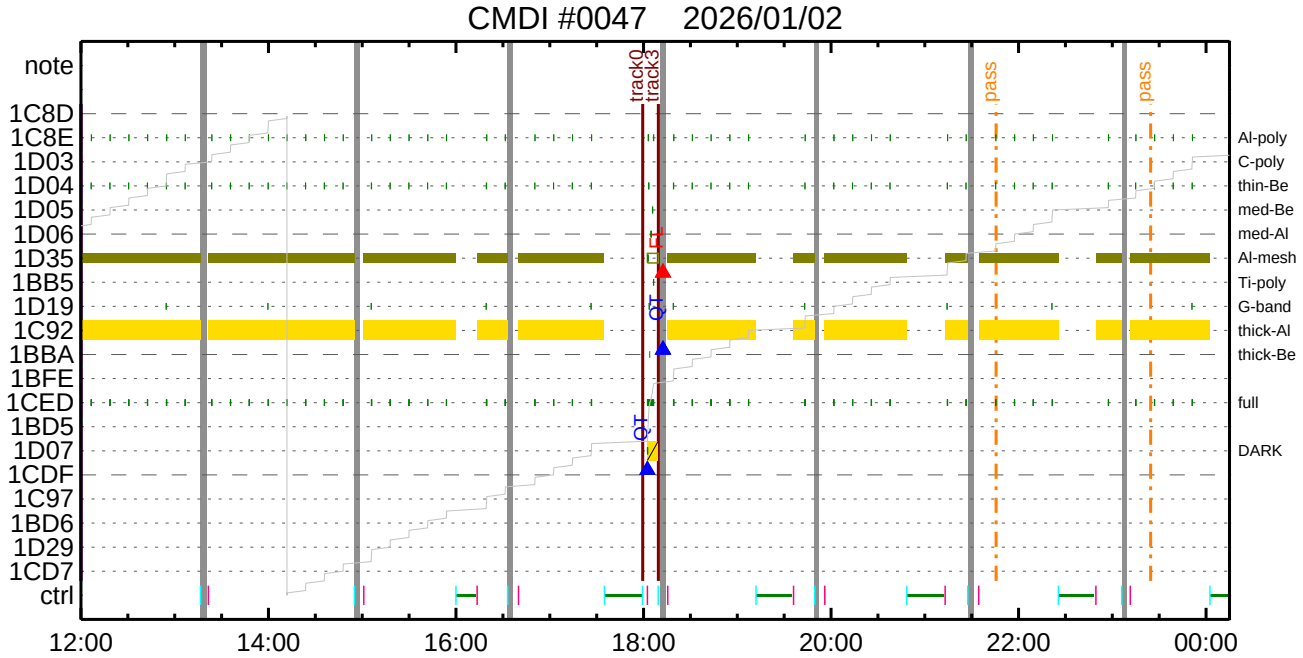

CMDI #0047 2025/12/31
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track0
track4
track0
pass
FL
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

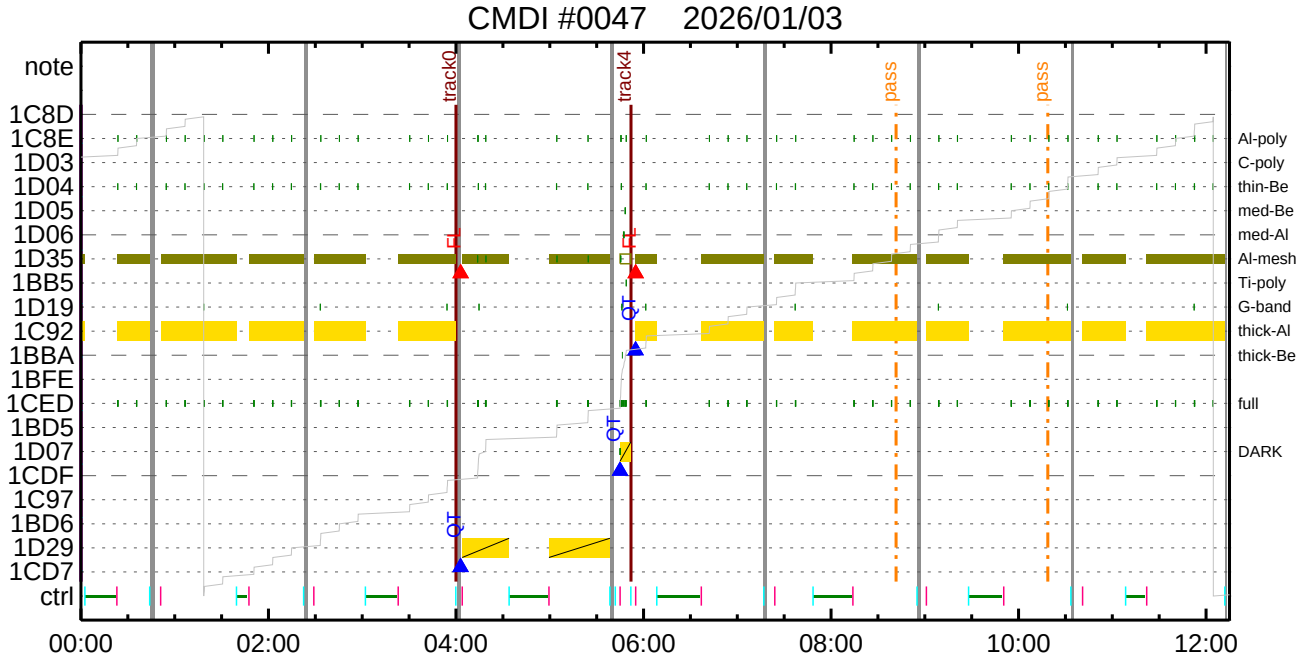

CMDI #0047 2025/12/31
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track0
track3
track0
pass
pass
FL
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

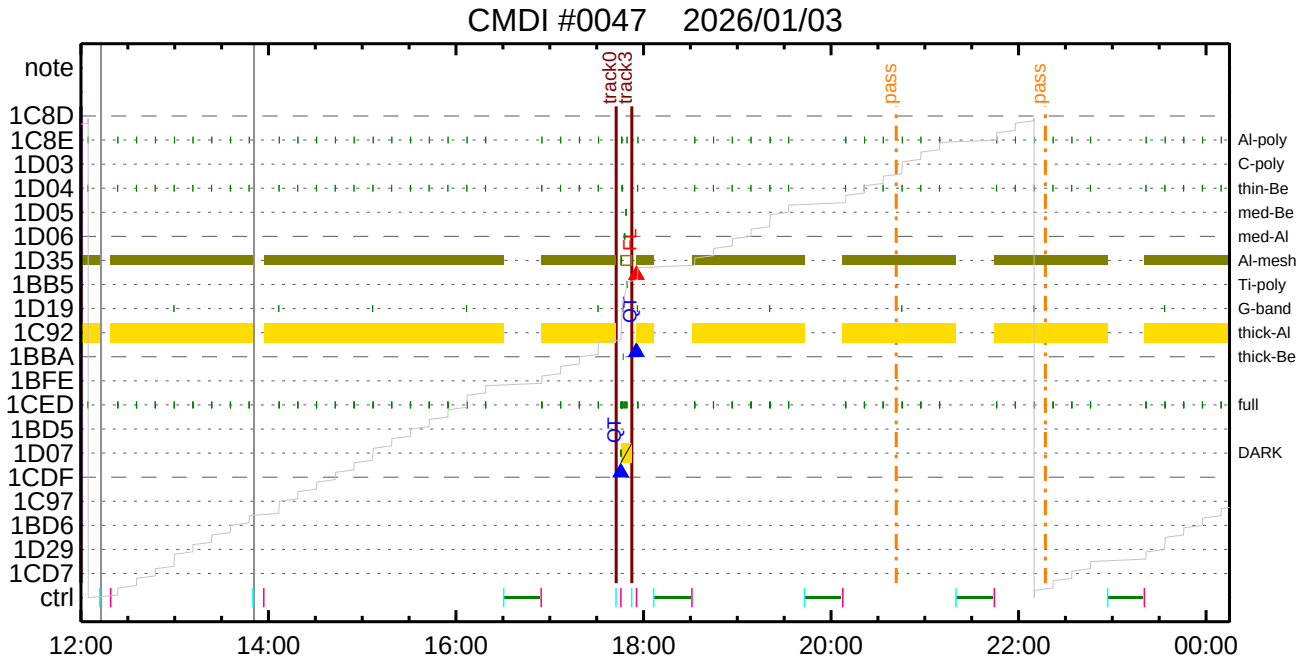

CMDI #0047 2026/01/01
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track0
track4
FL
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

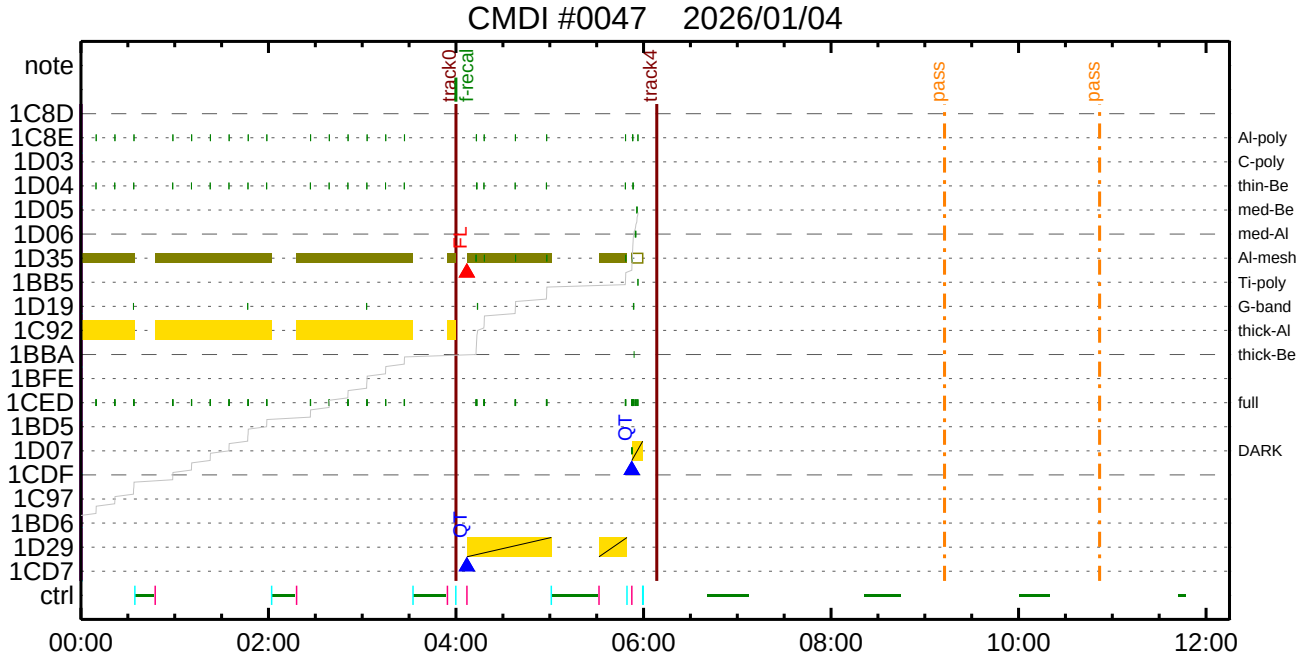

CMDI #0047 2026/01/01
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track0
track3
pass
pass
FL
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

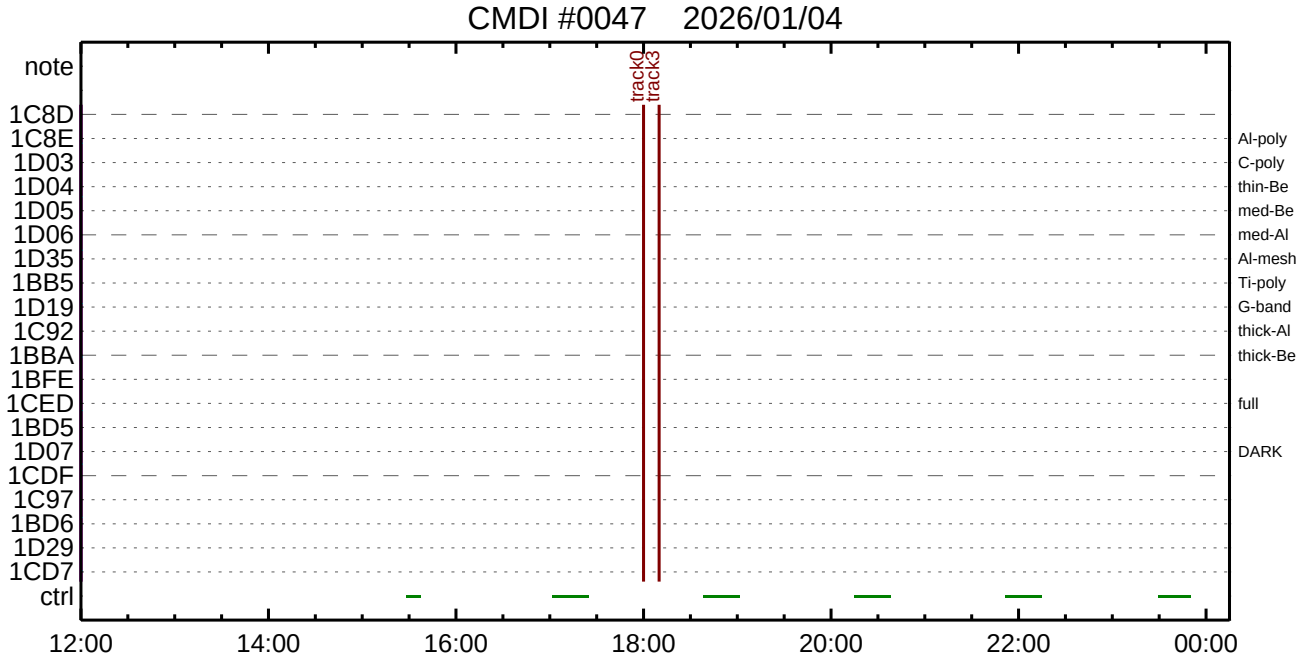

CMDI #0047 2026/01/02
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track0
track4
pass
pass
FL
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

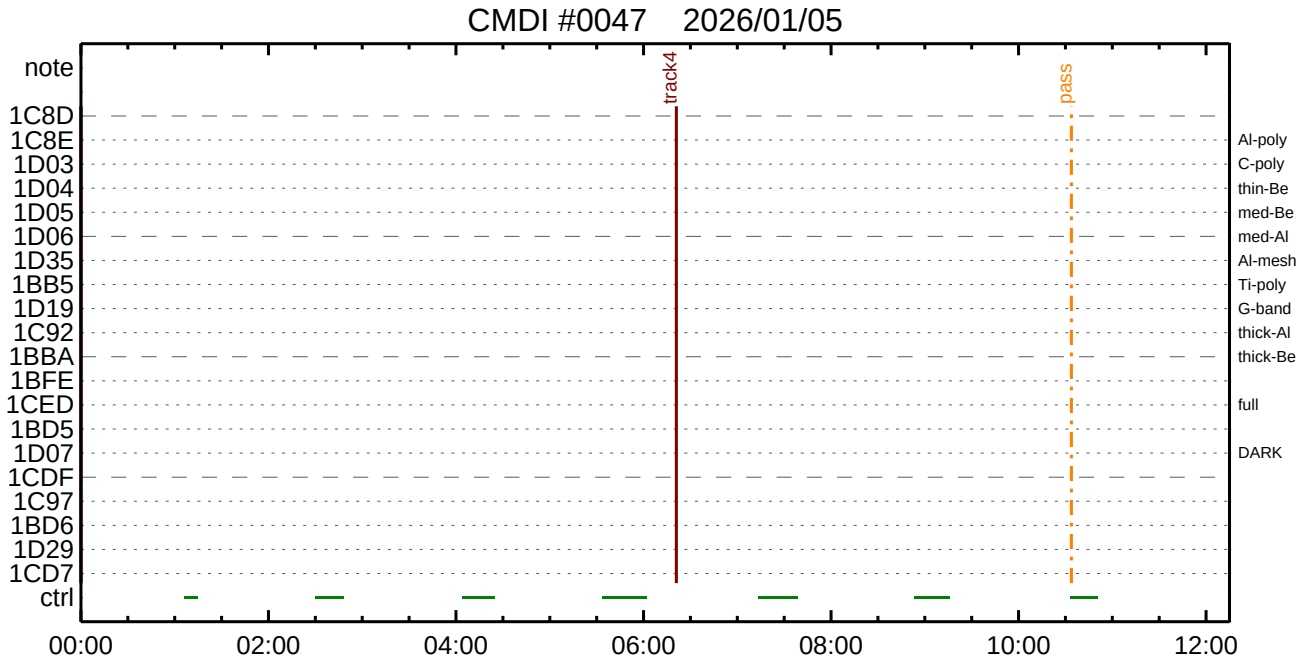

CMDI #0047 2026/01/02
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track0
track3
pass
pass
FL
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

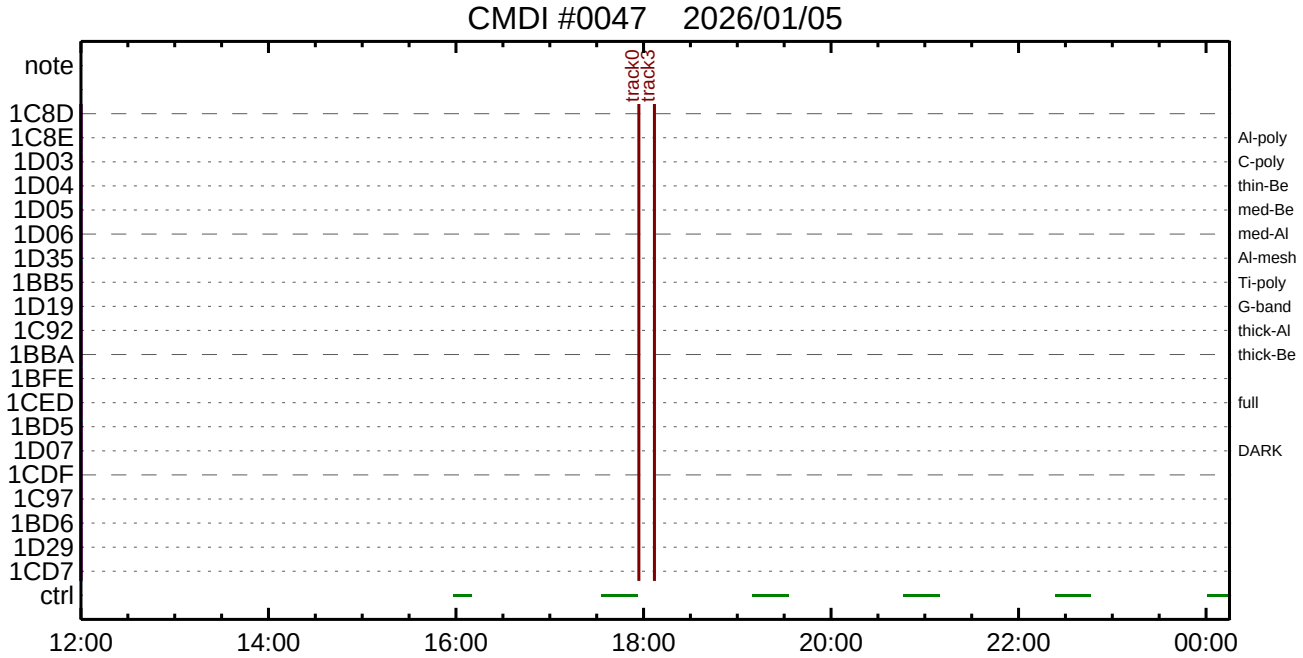

CMDI #0047 2026/01/03
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track0
track4
pass
pass
FL
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

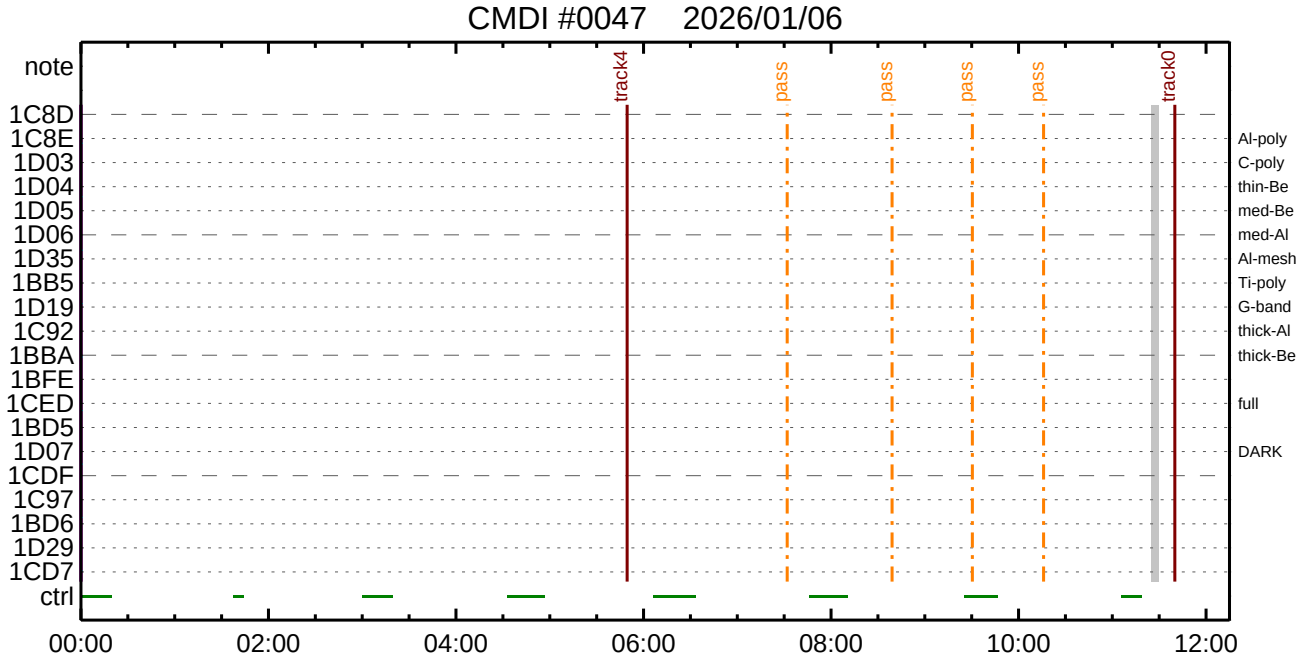

CMDI #0047 2026/01/03
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track0
track3
pass
pass
FL
QT
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

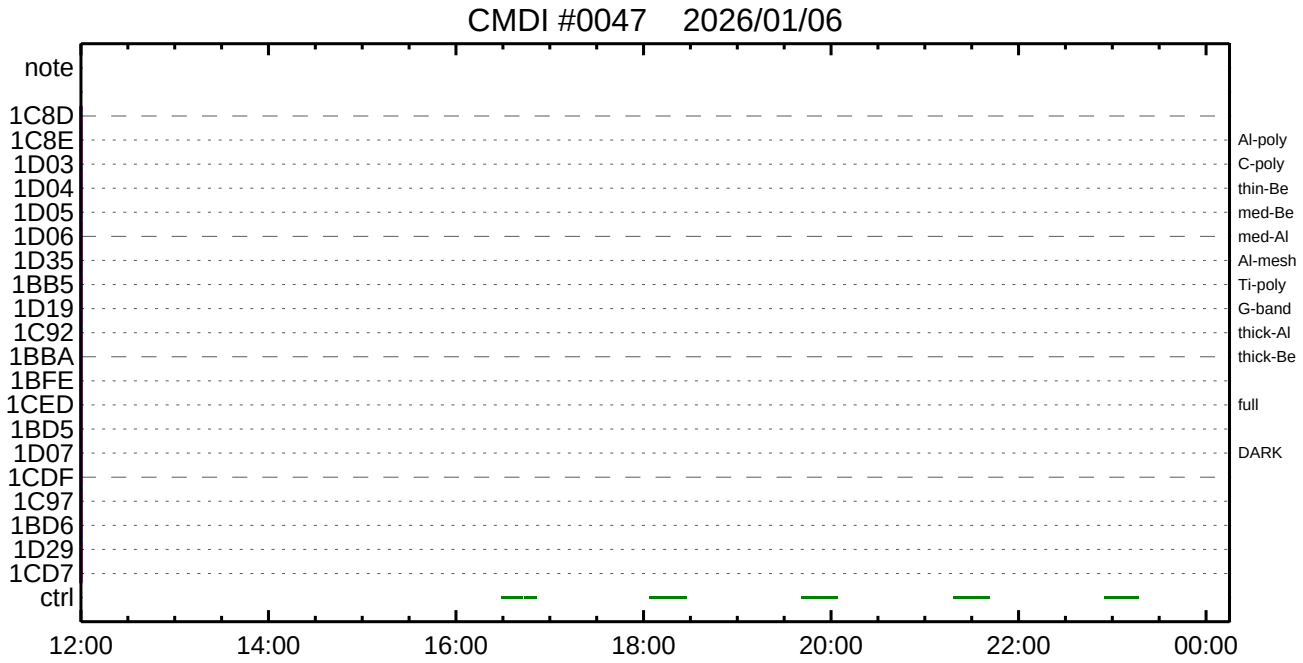

CMDI #0047 2026/01/04
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track0
f-recal
track4
pass
pass
FL
QT
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

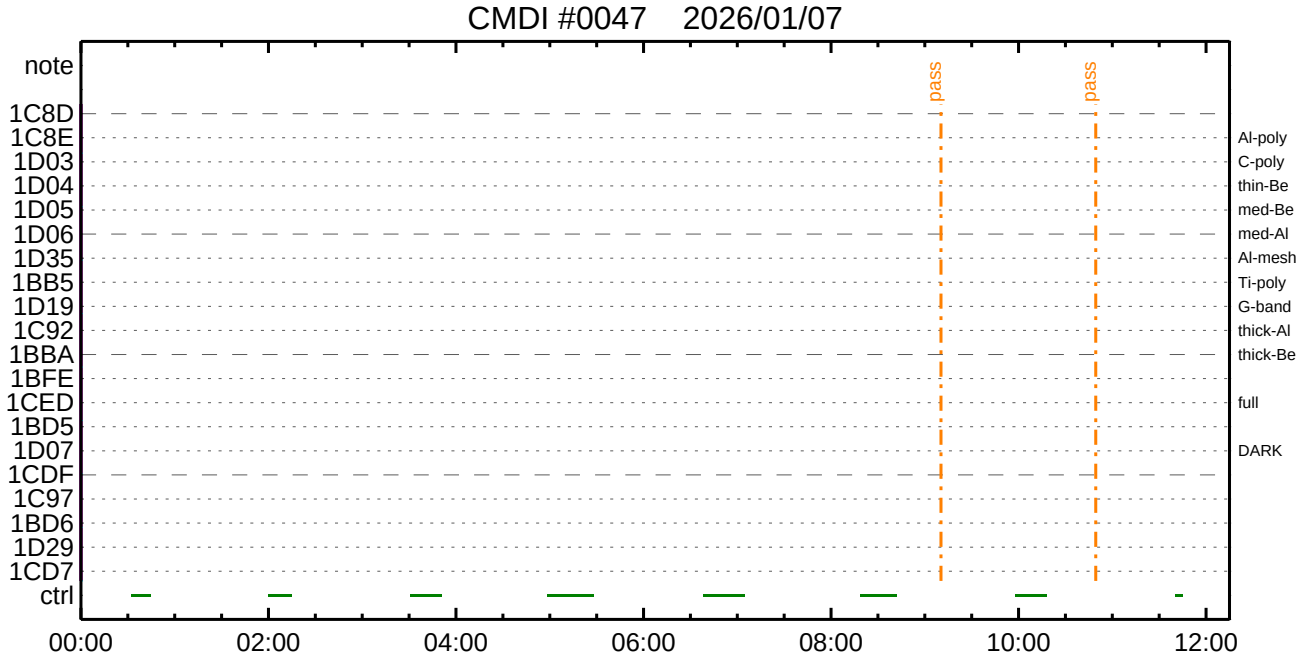

CMDI #0047 2026/01/04
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track0
track3
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

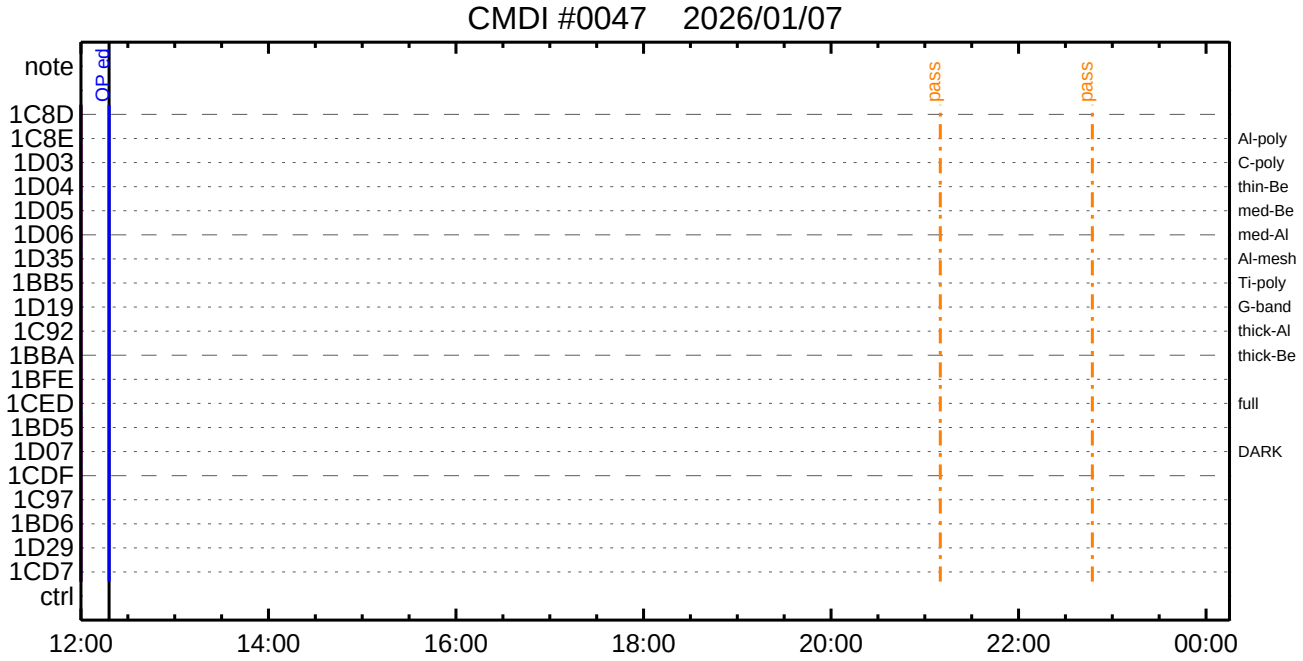

CMDI #0047 2026/01/05
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track4
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0047 2026/01/05
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track0
track3
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00


CMDI #0047 2026/01/06
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
track4
pass
pass
pass
pass
track0
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0047 2026/01/06
note
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00


CMDI #0047 2026/01/07
note
pass
pass
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0047 2026/01/07
note
OP ed
pass
pass
1C8D
1C8E
1D03
1D04
1D05
1D06
1D35
1BB5
1D19
1C92
1BBA
1BFE
1CED
1BD5
1D07
1CDF
1C97
1BD6
1D29
1CD7
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

(a) Spacecraft Operation Procedure (real-commands)

```
main-715 2025-12-30 13:31:20 205 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007  +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ÊËè½µ•îÍË¡Ë¤Ë¼°ÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011  +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ****************************
0015     C. OP/OG¥í¡¼¥É¡¦¥À¥ó¥×
0016     C. ****************************
0017     C.
0018   . C. ¡ãOP/OG¥í¡¼¥É¡ä
0019   . S. OP    op-715:OP
0020     ()
0021   . S. OG    og-715:OG
0022     ()
0023     C.
0024   . C. ¡ãNMOG&OPÎÎ°è¥À¥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.                    ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     40
0029     C.                    ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0030     C.                    ¢¢[HK1_DMP_BLOCK_NUM]           EQ     127
0031     C.                    ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0032     C.                    ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0033  +. DC 01-22 DHU_MODE_CHNG
0034     BC       (07 0b f8)
0035     C.                    ¢¢[HK1_PKT_FORM_NO]             EQ     7
0036     C.                    ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0037     C.                    ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0038     C.                    ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0039     C.                    ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0040   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0041     C.                    ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0042   . C. RAM ID=NMOG¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
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.                    ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     41
0048     C.                    ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0049     C.                    ¢¢[HK1_DMP_BLOCK_NUM]           EQ     127
0050     C.                    ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0051     C.                    ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0052  +. DC 01-22 DHU_MODE_CHNG
0053     BC       (07 0b f8)
0054     C.                    ¢¢[HK1_PKT_FORM_NO]             EQ     7
0055     C.                    ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0056     C.                    ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0057     C.                    ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0058     C.                    ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0059   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0060     C.                    ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0061   . C. RAM ID=NMOG¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
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.                    ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     42
0067     C.                    ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0068     C.                    ¢¢[HK1_DMP_BLOCK_NUM]           EQ     65
0069     C.                    ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0070     C.                    ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0071  +. DC 01-22 DHU_MODE_CHNG
0072     BC       (07 0b f8)
0073     C.                    ¢¢[HK1_PKT_FORM_NO]             EQ     7
0074     C.                    ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0075     C.                    ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0076     C.                    ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0077     C.                    ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0078   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0079     C.                    ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0080   . C. RAM ID=NMOG,RAM ID=OP¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0081     C.
0082   . C. ***** °Ê²¼¤Ï¾Ã´¶Á°¤ËÉ¬¤°Á÷¿® (¾åµ-¥À¥ó¥×¼êº½ç¤òÅÓÃæ¤Ç½ª¤¨¤ë¾ì¹ç¤Ç¤â) *****
0083     C. DHU¥â¡¼¥É¡Ê¼ý½¸¥ì¡¼¥È¡Ë¤òÌá¤¹
0084  +. DC 01-22 DHU_MODE_CHNG
0085     BC       (02 0a f8)
0086     C.                    ¢¢[HK1_PKT_FORM_NO]             EQ     2
0087     C.                    ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
0088     C.                    ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
0089     C.                    ¢¢[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 UPLOAD¤¬Á÷¿®NG¤Î¾ì¹ç¡¢°Ê²¼¤ÎTI-CMDÁ÷¿®¤Ï¼Â¹Ô¤•¤Ê¤¤¤³¤È¡£
```

```
0096     C.           ¤Þ¤¿¡¢SET¤ÈDUMP¤ÏÆ±°ì¥Ñ¥¹¤Ç¹Ô¤¦¤³¤È¡£
0097     C.
0098   . C. TI¥³¥Þ¥ó¥É¤òÅÐÏ¿(UT)
0099  +. TI 2025-12-30 11:15:00.0
0100     DC 01-B3 DHU_OP_STOP
0101     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0102     C.
0103  +. TI 2025-12-30 11:15:01.0
0104     DC 01-B4 DHU_OP_COPY
0105     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0106     C.
0107  +. TI 2025-12-30 11:15:01.0
0108     DC 01-B5 DHU_OPOG_COPY
0109     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0110     C.
0111  +. TI 2025-12-30 11:19:59.5
0112     DC 01-B2 DHU_OP_START
0113     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0114     C.
0115     C. °Ê²¼¤ÏÄê¾ïÍÑ¤Î¥Á¥§¥Ã¥¯¹àÌÜ
0116     C.                      ¢¢[HK1_TI_CMD_ENA/DIS]          EQ     ENA
0117     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     4
0118     C.                      ¢¢[HK1_NEXT_EXEC_PIM]           EQ     DHU
0119     C.                      ¢¢[HK1_NEXT_EXEC_DC]            EQ     0xB3
0120     C.
0121   . C. ****************************
0122     C. TIÎÎ°è¥À¥ó¥×
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.                      ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     07
0129     C.                      ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     2B
0130     C.                      ¢¢[HK1_DMP_BLOCK_NUM]           EQ     3
0131     C.                      ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0132     C.                      ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0133  +. DC 01-22 DHU_MODE_CHNG
0134     BC       (07 0b f8)
0135     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     7
0136     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0137     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0138     C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0139     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0140     C.
0141   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0142     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0143     C.
0144   . C. RAM ID=TI_TBL¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0145     C.
0146   . C. DHU¥â¡¼¥É¡Ê¼ý½¸¥ì¡¼¥È¡Ë¤òÌá¤¹
0147  +. DC 01-22 DHU_MODE_CHNG
0148     BC       (02 0a f8)
0149     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     2
0150     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
0151     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
0152     C.                      ¢¢[HK1_X_TLM_BIT_RATE]          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 2025-12-30 11:19:16.0
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 2025-12-30 11:19:30.0
0172     DC 07-FC EIS_MODE_MANU
0173     BC       (21 02)
0174  +. TI 2025-12-30 11:19:40.0
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 2025-12-30 11:19:00.0
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. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0192     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0193   . S. DC-BC dcbc-402:DCBC
```

```
0194      (MDP_known_event)
0195      C.
0196      C.
0197    . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0198    . S. DC-BC dcbc-153:DCBC
0199      (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200      C.
0201      C.
0202    . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0203      C.
0204    . C. *********** LOS ***********
0205      C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-716 2025-12-30 13:31:20 178 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥$¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007  +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ÊËè½µ•îÍË¡Ë¤Ë¼°ÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011  +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ****************************
0015     C. XÁ÷¿®µ¡ON
0016     C. ****************************
0017     C. ¢¨ °ÆÀ¸Í×ÈÝ¤äLOS¤Þ¤Ç¤Î»þ´Ö¤ò¹ÍÎ¸¤•¡¢ÉÔÍ×¤ÊXÂÓON¤Ï¹Ô¤Ê¤ï¤Ê¤¤¤³¤È¡£
0018     C.
0019  +. DC 03-B4 TCIA_XPA_ON/HI
0020     M. WAIT_SEC   1
0021  +  DC 03-84 TCIA_XMOD_ON
0022     M. WAIT_SEC   1
0023  +  DC 03-95 TCIA_XMOD_QPSK
0024     C.                    ¢¢[HK1_XPA_ON/OFF]              EQ     ON
0025     C.                    ¢¢[HK1_XPA_PWR_HI/LO]           EQ     HI
0026     C.                    ¢¢[HK1_XMOD_ON/OFF]             EQ     ON
0027     C.                    ¢¢[HK1_XMOD_QPSK/PM]            EQ     QPSK
0028     C.
0029   . C. X¥Ð¥ó¥É¥í¥Ã¥¯¾õÂÖ¤¬°ÂÄê¤•¤¿¤é¡¢°Ê²¼¤Î°ÆÀ¸¼ê½ç¤ò¼Â¹Ô¤¹¤ë¡£
0030     C.
0031   . C. ***************
0032     C. DR PT1 ÄÌ¾ï°ÆÀ¸
0033     C. ***************
0034     C. ¢¨ RESTART¡ÊPT1¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤°¡¢DCBC-150¤Ø¿Ê¤à¡£
0035     C.
0036   . C. ¡ãPT1°ÆÀ¸³«»Ï¡ä
0037  +. DC 01-29 DHU_S/X_VC4_OFF
0038  +  DC 06-C8 DR_PT1_REP_SEL
0039     BC       (01 00)
0040  +  DC 06-B3 DR_REP_START
0041  +  DC 01-32 DHU_X_VC4_ON
0042     C.                    ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾¾Ú)
0043     C.                    ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾¾Ú)
0044     C.                    ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾¾Ú)
0045     C.
0046   . C. ¡ã¥¢¥ó¥Æ¥ÊÀÚÂØ¡ÊÅ•Ä°²ÓÈò¡Ë¸å¤Î°ÆÀ¸°Æ³«¡ä
0047  +. DC 06-B3 DR_REP_START
0048  +  DC 01-32 DHU_X_VC4_ON
0049     C.                    ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾¾Ú)
0050     C.                    ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾¾Ú)
0051     C.                    ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾¾Ú)
0052     C.
0053     C.
0054   . C. PT1°ÆÀ¸¤¬¼«°Ää»ß¤•¤¿¸å¡¢°Ê²¼¤ò¼Â¹Ô¤¹¤ë¡£
0055     C. ¥¢¥ó¥Æ¥ÊÀÚÂØ¤äÅ•Ä°²óÈò¤¬¶á¤¤¾ì¹ç¤Ï´°Î»¤¹¤ë¤Þ¤ÇÂÔ¤Ä¡£
0056     C.
0057   . C. ***************
0058     C. DR PT2 ÄÌ¾ï°ÆÀ¸
0059     C. ***************
0060     C. ¢¨ RESTART¡ÊPT2¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤°¡¢DCBC-151¤Ø¿Ê¤à¡£
0061     C.
0062   . C. ¡ãPT2°ÆÀ¸³«»Ï¡ä
0063  +. DC 01-29 DHU_S/X_VC4_OFF
0064  +  DC 06-C8 DR_PT2_REP_SEL
0065     BC       (02 00)
0066  +  DC 06-B3 DR_REP_START
0067  +  DC 01-32 DHU_X_VC4_ON
0068     C.                    ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾¾Ú)
0069     C.                    ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾¾Ú)
0070     C.                    ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾¾Ú)
0071     C.
0072   . C. ¡ã¥¢¥ó¥Æ¥ÊÀÚÂØ¡ÊÅ•Ä°²óÈò¡Ë¸å¤Î°ÆÀ¸°Æ³«¡ä
0073  +. DC 06-B3 DR_REP_START
0074  +  DC 01-32 DHU_X_VC4_ON
0075     C.                    ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾¾Ú)
0076     C.                    ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾¾Ú)
0077     C.                    ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾¾Ú)
0078     C.
0079   . C. ****************************
0080     C. DR°ÆÀ¸Ää»ß¡¢XÁ÷¿®µ¡OFF
0081     C. ****************************
0082     C.
0083   . C. ¡ãDR°ÆÀ¸Ää»ß¡ä
0084  +. DC 06-B4 DR_REP_STOP
0085  +  DC 01-29 DHU_S/X_VC4_OFF
0086     C.                    ¢¢[HK1_REP_STA/STP]             EQ     STOP
0087     C.                    ¢¢[HK1_S_VC4_ON/OFF]            EQ     OFF
0088     C.                    ¢¢[HK1_X_VC4_ON/OFF]            EQ     OFF
0089     C.
0090   . C. ¡ãXÁ÷¿®µ¡OFF¡ä
0091  +. DC 03-85 TCIA_XMOD_OFF
0092     M. WAIT_SEC   1
0093  +  DC 03-B5 TCIA_XPA_OFF
0094     C.                    ¢¢[HK1_XMOD_ON/OFF]             EQ     OFF
0095     C.                    ¢¢[HK1_XPA_ON/OFF]              EQ     OFF
```

```
0096     C.
0097     C.
0098   . C. ***** AOCS Commands (Tracking Curve Upload) ******
0099     C. Upload the Orbit Element and the Target Attitude
0100     C. RAM-ID:TARGET_ATT
0101   . S. RAM   ram-150:TARGET_ATT
0102     ()
0103     C.
0104     C.
0105     C. Set the dump memory area of TARGET_ATT
0106  +. DC 02-48 AOCU_DUMP_SET
0107     BC       (07 00 00 00 18 00)
0108     C.
0109     C.    <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0110     C.
0111     C.
0112     C. Change the TLMFormatNo for the AOCS Dump Format
0113  +. DC 01-22 DHU_MODE_CHNG
0114     BC       (04 0b f8)
0115     C.
0116     C. Wait for AOCSDUMP to end
0117     C.
0118   . C. Check the dump memory
0119     C.
0120     C.                                     Result = OK [ ]
0121     C.
0122  +. DC 01-22 DHU_MODE_CHNG
0123     BC       (02 0a f8)
0124     C.
0125     C.                        <A_***>[TLM STS] FMT = 2 [ ]
0126     C.
0127  +. DC 02-8E AOCU_ORB_UPD
0128   . C.
0129   . C. ***** AOCS Commands (Orbital Element Update) *****
0130     C. Update the orbital element
0131  +. DC 02-50 AOCU_ORB_PRPGT_START
0132     BC       (16)
0133  +  DC 02-8E AOCU_ORB_UPD
0134     C.
0135     C.       <A_ORB>[ORBIT] EPC = 3179741.3 +- 1.0 (s) [ ]
0136     C.
0137   . C.
0138   . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0139  +. DC 07-FC EIS_MODE_CHG_ENA
0140     BC       (20)
0141   . C. Verify EIS_MODE_CHG_FLG is ENA
0142  +. DC 07-FC EIS_MODE_MANU
0143     BC       (21 02)
0144   . C. Verify EIS in MANUAL mode
0145   . C. Estimated OBSTBL upload time is 1m9s
0146     C. ********************************
0147     C. EIS START OBSTBL LOAD
0148     C. ********************************
0149   . S. RAM   ram-820:EIS_OBSTBL
0150     ()
0151  +. DC 07-FC EIS_DUMP_OBSTBL
0152     BC       (07 07 07 00 00 70 00)
0153     C.
0154     C. Execute, after the success of OBSTBL upload.
0155     C. Set EIS TI-commands
0156  +. TI 2025-12-30 11:19:50.0
0157     DC 07-FC EIS_MODE_CHG_ENA
0158     BC       (20)
0159   . C.                      [   ]  [HK1_TI_CMD_NUM]     EQ    1 COUNTUP
0160     C. ********************************
0161     C. EIS END OBSTBL LOAD
0162     C. ********************************
0163     C.
0164   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0165     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0166   . S. DC-BC dcbc-402:DCBC
0167     (MDP_known_event)
0168     C.
0169     C.
0170   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0171   . S. DC-BC dcbc-153:DCBC
0172     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0173     C.
0174     C.
0175   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0176     C.
0177   . C. *********** LOS ***********
0178     C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-717 2025-12-30 13:31:20 218 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥$¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007  +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ÊËè½µ•îÍË¡Ë¤Ë¼°ÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011  +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ****************************
0015     C. XÁ÷¿®µ¡ON
0016     C. ****************************
0017     C. ¢¨ °ÆÀ¸Í×ÈÝ¤äLOS¤Þ¤Ç¤Î»þ´Ö¤ò¹ÍÎ¸¤•¡¢ÉÔÍ×¤ÊXÂÓON¤Ï¹Ô¤Ê¤ï¤Ê¤¤¤³¤È¡£
0018     C.
0019  +. DC 03-B4 TCIA_XPA_ON/HI
0020     M. WAIT_SEC   1
0021  +  DC 03-84 TCIA_XMOD_ON
0022     M. WAIT_SEC   1
0023  +  DC 03-95 TCIA_XMOD_QPSK
0024     C.                    ¢¢[HK1_XPA_ON/OFF]              EQ     ON
0025     C.                    ¢¢[HK1_XPA_PWR_HI/LO]           EQ     HI
0026     C.                    ¢¢[HK1_XMOD_ON/OFF]             EQ     ON
0027     C.                    ¢¢[HK1_XMOD_QPSK/PM]            EQ     QPSK
0028     C.
0029   . C. X¥Ð¥ó¥É¥í¥Ã¥¯¾õÂÖ¤¬°ÂÄê¤•¤¿¤é¡¢°Ê²¼¤Î°ÆÀ¸¼ê½ç¤ò¼Â¹Ô¤¹¤ë¡£
0030     C.
0031   . C. ***************
0032     C. DR PT1 ÄÌ¾ï°ÆÀ¸
0033     C. ***************
0034     C. ¢¨ RESTART¡ÊPT1¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤°¡¢DCBC-150¤Ø¿Ê¤à¡£
0035     C.
0036   . C. ¡ãPT1°ÆÀ¸³«»Ï¡ä
0037  +. DC 01-29 DHU_S/X_VC4_OFF
0038  +  DC 06-C8 DR_PT1_REP_SEL
0039     BC       (01 00)
0040  +  DC 06-B3 DR_REP_START
0041  +  DC 01-32 DHU_X_VC4_ON
0042     C.                    ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾¾Ú)
0043     C.                    ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾¾Ú)
0044     C.                    ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾¾Ú)
0045     C.
0046   . C. ¡ã¥¢¥ó¥Æ¥ÊÀÚÂØ¡ÊÅ•Ä°²óÈò¡Ë¸å¤Î°ÆÀ¸°Æ³«¡ä
0047  +. DC 06-B3 DR_REP_START
0048  +  DC 01-32 DHU_X_VC4_ON
0049     C.                    ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾¾Ú)
0050     C.                    ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾¾Ú)
0051     C.                    ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾¾Ú)
0052     C.
0053     C.
0054   . C. PT1°ÆÀ¸¤¬¼«°Ää»ß¤•¤¿¸å¡¢°Ê²¼¤ò¼Â¹Ô¤¹¤ë¡£
0055     C. ¥¢¥ó¥Æ¥ÊÀÚÂØ¤äÅ•Ä°²óÈò¤¬¶á¤¤¾ì¹ç¤Ï´°Î»¤¹¤ë¤Þ¤ÇÂÔ¤Ä¡£
0056     C.
0057   . C. ***************
0058     C. DR PT2 ÄÌ¾ï°ÆÀ¸
0059     C. ***************
0060     C. ¢¨ RESTART¡ÊPT2¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤°¡¢DCBC-151¤Ø¿Ê¤à¡£
0061     C.
0062   . C. ¡ãPT2°ÆÀ¸³«»Ï¡ä
0063  +. DC 01-29 DHU_S/X_VC4_OFF
0064  +  DC 06-C8 DR_PT2_REP_SEL
0065     BC       (02 00)
0066  +  DC 06-B3 DR_REP_START
0067  +  DC 01-32 DHU_X_VC4_ON
0068     C.                    ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾¾Ú)
0069     C.                    ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾¾Ú)
0070     C.                    ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾¾Ú)
0071     C.
0072   . C. ¡ã¥¢¥ó¥Æ¥ÊÀÚÂØ¡ÊÅ•Ä°²óÈò¡Ë¸å¤Î°ÆÀ¸°Æ³«¡ä
0073  +. DC 06-B3 DR_REP_START
0074  +  DC 01-32 DHU_X_VC4_ON
0075     C.                    ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾¾Ú)
0076     C.                    ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾¾Ú)
0077     C.                    ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾¾Ú)
0078     C.
0079   . C. ****************************
0080     C. DR°ÆÀ¸Ää»ß¡¢XÁ÷¿®µ¡OFF
0081     C. ****************************
0082     C.
0083   . C. ¡ãDR°ÆÀ¸Ää»ß¡ä
0084  +. DC 06-B4 DR_REP_STOP
0085  +  DC 01-29 DHU_S/X_VC4_OFF
0086     C.                    ¢¢[HK1_REP_STA/STP]             EQ     STOP
0087     C.                    ¢¢[HK1_S_VC4_ON/OFF]            EQ     OFF
0088     C.                    ¢¢[HK1_X_VC4_ON/OFF]            EQ     OFF
0089     C.
0090   . C. ¡ãXÁ÷¿®µ¡OFF¡ä
0091  +. DC 03-85 TCIA_XMOD_OFF
0092     M. WAIT_SEC   1
0093  +  DC 03-B5 TCIA_XPA_OFF
0094     C.                    ¢¢[HK1_XMOD_ON/OFF]             EQ     OFF
0095     C.                    ¢¢[HK1_XPA_ON/OFF]              EQ     OFF
```

```
0096     C.
0097     C.
0098     C.
0099     C. ************ XRT START ************
0100     C.
0101  +. DC 07-F0 MDP_XRT_CTRL_MANU
0102     BC       (c1)
0103  +. DC 07-F0 MDP_XRT_CTRL_MANU
0104     BC       (c1)
0105  +  DC 07-F0 MDP_XRT_MODE_STBY
0106     BC       (c3)
0107   . C. ----------- Success Verify ?              OK / NG____
0108     C.
0109     C. XRT Obs. Table Upload
0110   . S. RAM   ram-291:MDP_OBS_X
0111     ()
0112     C.
0113  +. DC 07-F0 MDP_DUMP_XRTTBL
0114     BC       (84 07 00 00 00 3a d4)
0115   . C. ----------- Comparison Check ?                        OK / ERR ____
0116     C.
0117     C.
0118  +. DC 07-F0 MDP_XRT_ROI_SET
0119     BC       (cd 01 b1 b1 04 04)
0120  +  DC 07-F0 MDP_XRT_ROI_SET
0121     BC       (cd 02 b1 b1 08 08)
0122  +  DC 07-F0 MDP_XRT_ROI_SET
0123     BC       (cd 03 b1 b1 08 08)
0124  +  DC 07-F0 MDP_XRT_ROI_SET
0125     BC       (cd 04 b1 b1 06 06)
0126  +  DC 07-F0 MDP_XRT_ROI_SET
0127     BC       (cd 05 85 83 06 06)
0128  +  DC 07-F0 MDP_XRT_ROI_SET
0129     BC       (cd 06 80 80 08 08)
0130  +  DC 07-F0 MDP_XRT_ROI_SET
0131     BC       (cd 07 80 80 20 20)
0132  +  DC 07-F0 MDP_XRT_ROI_SET
0133     BC       (cd 08 85 83 06 06)
0134  +  DC 07-F0 MDP_XRT_ROI_SET
0135     BC       (cd 09 80 80 20 08)
0136  +  DC 07-F0 MDP_XRT_ROI_SET
0137     BC       (cd 0a 80 80 08 20)
0138  +  DC 07-F0 MDP_XRT_ROI_SET
0139     BC       (cd 0b 85 83 08 08)
0140  +  DC 07-F0 MDP_XRT_ROI_SET
0141     BC       (cd 0f 80 80 06 06)
0142  +  DC 07-F0 MDP_XRT_ROI_SET
0143     BC       (cd 10 80 80 08 08)
0144  +  DC 07-F0 MDP_XRT_FLD_ENA
0145     BC       (d8)
0146  +  DC 07-F0 MDP_XRT_FLRCTRL_ENA
0147     BC       (c8)
0148  +  DC 07-F0 MDP_XRT_ARS_DIS
0149     BC       (d5)
0150  +  DC 07-F0 MDP_XRT_AEC_RESET
0151     BC       (d0)
0152  +  DC 07-F0 MDP_XRT_FLD_RESET
0153     BC       (da)
0154  +. DC 07-F0 MDP_XRT_QT_PROG_SET
0155     BC       (c4 0b)
0156  +. DC 07-F0 MDP_XRT_FL_PROG_SET
0157     BC       (c5 0e)
0158   . C. ---------- Success Verify ?            OK / NG ____
0159     C.
0160     C.
0161   . C. All OK?   Yes--> Please Proceed. / No --> Stop here.
0162     C.
0163  +. DC 07-F0 MDP_XRT_MODE_OBSV
0164     BC       (c2)
0165  +. TI 2025-12-30 11:19:02.0
0166     DC 07-F0 MDP_XRT_MODE_OBSV
0167     BC       (c2)
0168   . C. ---------- Success Verify ?            OK / NG ____
0169     C.
0170     C. ************ XRT END ***********
0171   . C. ********************************
0172     C.  SOT table upload
0173     C. ********************************
0174   . C. < Stop SP table >
0175  +. DC 07-F0 MDP_SP_CTRL_MANU
0176     BC       (61)
0177     C. -------------------------------------
0178     C.  MDP_SP_CTRL_MODE      = MANU    [ ]
0179     C. -------------------------------------
0180     C.
0181   . C. <Upload SP Observation Table>
0182   . S. RAM   ram-281:MDP_OBS_S
0183     ()
0184     C.
0185   . C. < Dump RAMID=MDP_OBS_S >
0186  +. DC 07-F0 MDP_DUMP_SPTBL
0187     BC       (83 07 00 00 00 38 b8)
0188     C. -------------------------------------
0189     C.  MDP_OBS_S verify = OK/NG        [ ]
0190     C. -------------------------------------
0191     C.
0192     C. ********************************
0193     C.  SOT TI command set
```

```
0194     C. ********************************
0195     C. Execute, after the success of TBL upload.
0196  +. TI 2025-12-30 11:19:18.0
0197     DC 07-F0 MDP_SOT_MODE_OBSV
0198     BC       (40)
0199   . C. ------------------------------------
0200     C.   HK1_TI_CMD_NUM       = 1 CNTUP [ ]
0201     C. ------------------------------------
0202     C.
0203     C.
0204   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0205     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0206   . S. DC-BC dcbc-402:DCBC
0207     (MDP_known_event)
0208     C.
0209     C.
0210   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0211   . S. DC-BC dcbc-153:DCBC
0212     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0213     C.
0214     C.
0215   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0216     C.
0217   . C. *********** LOS ***********
0218     C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-718 2025-12-30 13:31:20 29 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007  +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ÊËè½µ•îÍË¡Ë¤Ë¼°ÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011  +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014     C.
0015   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0016     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0017   . S. DC-BC dcbc-402:DCBC
0018     (MDP_known_event)
0019     C.
0020     C.
0021   . C. ***** ¥Þ¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0022   . S. DC-BC dcbc-153:DCBC
0023     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0024     C.
0025     C.
0026   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0027     C.
0028   . C. *********** LOS ***********
0029     C.
```

```
*** OP Sequence for XRT ***

2025/12/30  11:29:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  11:29:56.0  XRT_FOCUS_POSITION_414_OG [0x19e]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2025/12/30  11:30:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                        AOCU_NM              5 02-76 00 11 db ac b5
2025/12/30  11:30:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2025/12/30  11:30:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/12/30  11:30:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2025/12/30  11:30:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/12/30  11:30:24.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  11:32:56.0  XRT_QT_PROG_SET_440_OG [0x1b8]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 0a
2025/12/30  11:32:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2025/12/30  11:33:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/30  11:39:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  11:39:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  11:39:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/30  11:42:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/30  11:46:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/30  11:47:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/30  13:17:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  13:17:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  13:17:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/30  13:20:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/30  13:24:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/30  13:25:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/30  14:55:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  14:55:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  14:55:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/30  14:58:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/30  15:02:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/30  15:03:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/30  16:02:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  16:02:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  16:02:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/30  16:05:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/30  16:15:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/30  16:16:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/30  16:33:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  16:33:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  16:33:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/30  16:36:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/30  16:40:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/30  16:41:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/30  17:37:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  17:37:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  17:37:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/30  17:40:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/30  18:00:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  18:00:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/12/30  18:01:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
```

```
2025/12/30  18:01:16.0  XRT_FLD_DIS_409_OG [0x199]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2025/12/30  18:01:18.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2025/12/30  18:01:20.0  XRT_ARS_DIS_425_OG [0x1a9]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/12/30  18:03:58.0  XRT_QT_PROG_SET_421_OG [0x1a5]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2025/12/30  18:04:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/30  18:10:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  18:10:56.0  XRT_FOCUS_POSITION_414_OG [0x19e]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2025/12/30  18:11:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                        AOCU_NM              5 02-76 03 03 74 01 db
2025/12/30  18:11:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2025/12/30  18:11:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/12/30  18:11:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2025/12/30  18:11:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/12/30  18:11:24.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  18:13:56.0  XRT_QT_PROG_SET_440_OG [0x1b8]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 0a
2025/12/30  18:13:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2025/12/30  18:18:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/30  18:19:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/30  19:14:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  19:14:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  19:14:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/30  19:17:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/30  19:40:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  19:40:56.0  XRT_FOCUS_POSITION_414_OG [0x19e]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2025/12/30  19:41:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                        AOCU_NM              5 02-76 00 11 db ac b5
2025/12/30  19:41:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2025/12/30  19:41:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/12/30  19:41:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2025/12/30  19:41:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/12/30  19:41:24.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  19:43:56.0  XRT_QT_PROG_SET_440_OG [0x1b8]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 0a
2025/12/30  19:43:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2025/12/30  19:44:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/30  19:50:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  19:50:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  19:50:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/30  19:53:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/30  19:56:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/30  19:57:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/30  20:50:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  20:50:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  20:50:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/30  20:53:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/30  21:14:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/30  21:15:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/30  21:28:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  21:28:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  21:28:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/30  21:31:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
```

```
2025/12/30  21:35:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/30  21:36:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/30  22:28:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  22:28:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  22:28:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/30  22:31:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/30  22:50:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/30  22:51:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/30  23:06:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/30  23:06:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/30  23:06:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/30  23:09:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/30  23:13:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/30  23:14:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  00:05:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  00:05:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  00:05:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  00:08:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  00:23:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  00:24:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  00:44:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  00:44:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  00:44:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  00:47:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  00:51:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  00:52:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  01:41:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  01:41:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  01:41:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  01:44:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  01:48:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  01:49:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  02:22:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  02:22:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  02:22:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  02:25:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  02:29:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  02:30:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  03:04:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  03:04:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  03:04:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  03:07:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  03:24:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  03:25:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  03:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  03:59:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/12/31  04:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                    AOCU_NM              5 02-76 00 00 00 00 00
2025/12/31  04:00:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2025/12/31  04:00:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/12/31  04:00:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2025/12/31  04:00:22.0  XRT_ARS_DIS_423_OG [0x1a7]
```

```
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/12/31  04:00:24.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  04:02:56.0  XRT_QT_PROG_SET_444_OG [0x1bc]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2025/12/31  04:02:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2025/12/31  04:07:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  04:08:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  04:35:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  04:35:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  04:35:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  04:38:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  05:01:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  05:02:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  05:28:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  05:28:26.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/12/31  05:28:46.0  XRT_FLD_DIS_409_OG [0x199]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2025/12/31  05:28:48.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2025/12/31  05:28:50.0  XRT_ARS_DIS_425_OG [0x1a9]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/12/31  05:31:28.0  XRT_QT_PROG_SET_421_OG [0x1a5]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2025/12/31  05:31:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  05:38:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  05:38:26.0  XRT_FOCUS_POSITION_414_OG [0x19e]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2025/12/31  05:38:30.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                        AOCU_NM              5 02-76 04 03 74 01 db
2025/12/31  05:38:46.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2025/12/31  05:38:48.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/12/31  05:38:50.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2025/12/31  05:38:52.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/12/31  05:38:54.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  05:41:26.0  XRT_QT_PROG_SET_436_OG [0x1b4]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 09
2025/12/31  05:41:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2025/12/31  05:45:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  05:46:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  06:11:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  06:11:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  06:11:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  06:14:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  06:38:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  06:39:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  07:17:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  07:17:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  07:17:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  07:20:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  07:23:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  07:24:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  07:49:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  07:49:56.0  XRT_FOCUS_POSITION_414_OG [0x19e]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2025/12/31  07:50:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                        AOCU_NM              5 02-76 00 11 db ac b5
2025/12/31  07:50:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2025/12/31  07:50:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/12/31  07:50:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2025/12/31  07:50:22.0  XRT_ARS_DIS_423_OG [0x1a7]
```

```
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/12/31  07:50:24.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  07:52:56.0  XRT_QT_PROG_SET_436_OG [0x1b4]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 09
2025/12/31  07:52:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2025/12/31  08:15:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  08:16:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  08:55:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  08:55:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  08:55:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  08:58:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  09:01:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  09:02:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  09:30:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  09:30:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  09:30:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  09:33:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  09:51:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  09:52:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  10:33:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  10:33:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  10:33:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  10:36:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  10:39:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  10:40:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  11:11:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  11:11:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  11:11:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  11:14:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  11:23:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  11:24:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  12:11:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  12:11:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  12:11:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  12:14:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  12:18:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  12:19:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  13:49:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  13:49:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  13:49:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  13:52:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  13:56:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  13:57:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  15:28:00.5  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  15:28:02.5  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  15:28:04.5  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  15:31:14.5  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  15:34:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  15:35:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  16:33:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  16:33:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  16:33:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
```

```
2025/12/31  16:36:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  16:56:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  16:57:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  17:06:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  17:06:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  17:06:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  17:09:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  17:12:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  17:13:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  17:44:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  17:44:26.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/12/31  17:44:30.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2025/12/31  17:44:46.0  XRT_FLD_DIS_409_OG [0x199]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2025/12/31  17:44:48.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2025/12/31  17:44:50.0  XRT_ARS_DIS_425_OG [0x1a9]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/12/31  17:47:28.0  XRT_QT_PROG_SET_421_OG [0x1a5]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2025/12/31  17:47:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  17:54:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  17:54:26.0  XRT_FOCUS_POSITION_414_OG [0x19e]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2025/12/31  17:54:30.0  AOCS_ORe-point_Start_3_OG [0x099]
                                        AOCU_NM              5 02-76 03 03 74 01 db
2025/12/31  17:54:46.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2025/12/31  17:54:48.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/12/31  17:54:50.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2025/12/31  17:54:52.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/12/31  17:54:54.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  17:57:26.0  XRT_QT_PROG_SET_436_OG [0x1b4]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 09
2025/12/31  17:57:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2025/12/31  17:57:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  18:08:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  18:08:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  18:08:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  18:11:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  18:32:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  18:33:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  18:44:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  18:44:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  18:44:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  18:47:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  18:50:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  18:51:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  19:43:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  19:43:56.0  XRT_FOCUS_POSITION_414_OG [0x19e]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2025/12/31  19:44:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                        AOCU_NM              5 02-76 00 11 db ac b5
2025/12/31  19:44:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2025/12/31  19:44:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/12/31  19:44:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2025/12/31  19:44:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/12/31  19:44:24.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  19:46:56.0  XRT_QT_PROG_SET_436_OG [0x1b4]
```

```
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 09
2025/12/31  19:46:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2025/12/31  20:09:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  20:10:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  20:22:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  20:22:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  20:22:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  20:25:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  20:28:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  20:29:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  21:22:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  21:22:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  21:22:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  21:25:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  21:46:00.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  21:47:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  22:00:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  22:00:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  22:00:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  22:03:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  22:06:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  22:07:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/12/31  22:59:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/12/31  22:59:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/12/31  22:59:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/12/31  23:02:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/12/31  23:44:30.0  XRT_Custom_430_OG [0x1ae]
2025/12/31  23:45:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  00:36:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  00:36:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  00:36:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  00:39:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  00:48:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  00:49:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  01:17:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  01:17:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  01:17:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  01:20:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  01:22:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  01:23:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  02:04:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  02:04:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  02:04:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  02:07:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  02:19:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  02:20:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  02:55:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  02:55:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  02:55:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  02:58:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  03:00:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  03:01:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
```

```
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  03:35:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  03:35:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  03:35:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  03:38:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  03:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  03:59:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/01/01  04:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2026/01/01  04:00:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2026/01/01  04:00:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/01/01  04:00:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2026/01/01  04:00:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/01  04:00:24.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  04:02:56.0  XRT_QT_PROG_SET_444_OG [0x1bc]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2026/01/01  04:02:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/01/01  04:03:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  04:33:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  04:33:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  04:33:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  04:36:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  04:38:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  04:39:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  05:03:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  05:03:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  05:03:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  05:06:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  05:32:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  05:33:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  05:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  05:59:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/01/01  06:00:16.0  XRT_FLD_DIS_409_OG [0x199]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2026/01/01  06:00:18.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2026/01/01  06:00:20.0  XRT_ARS_DIS_425_OG [0x1a9]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/01  06:02:58.0  XRT_QT_PROG_SET_421_OG [0x1a5]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2026/01/01  06:03:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  06:09:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  06:09:56.0  XRT_FOCUS_POSITION_414_OG [0x19e]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2026/01/01  06:10:00.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                        AOCU_NM              5 02-76 04 03 74 01 db
2026/01/01  06:10:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2026/01/01  06:10:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/01/01  06:10:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2026/01/01  06:10:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/01  06:10:24.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  06:12:56.0  XRT_QT_PROG_SET_436_OG [0x1b4]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 09
2026/01/01  06:12:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/01/01  06:17:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  06:18:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  06:43:30.5  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  06:43:32.5  XRT_FLD_RESET_415_OG [0x19f]
```

```
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  06:43:34.5  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  06:46:44.5  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  07:10:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  07:11:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  07:49:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  07:49:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  07:49:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  07:52:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  07:55:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  07:56:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  08:23:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  08:23:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  08:23:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  08:26:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  08:46:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  08:47:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  09:27:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  09:27:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  09:27:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  09:30:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  09:33:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  09:34:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  10:02:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  10:02:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  10:02:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  10:05:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  10:22:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  10:23:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  11:06:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  11:06:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  11:06:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  11:09:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  11:11:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  11:12:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  11:45:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  11:45:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  11:45:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  11:48:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  11:50:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  11:51:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  12:44:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  12:44:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  12:44:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  12:47:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  12:49:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  12:50:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  14:22:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  14:22:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  14:22:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  14:25:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
```

```
2026/01/01  14:27:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  14:28:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  15:30:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  15:30:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  15:30:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  15:33:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  16:05:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  16:06:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  17:04:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  17:04:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  17:04:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  17:07:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  17:27:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  17:28:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  17:38:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  17:38:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  17:38:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  17:41:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  17:43:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  17:44:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  17:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  17:59:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/01/01  18:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                    AOCU_NM              5 02-76 00 00 00 00 00
2026/01/01  18:00:16.0  XRT_FLD_DIS_409_OG [0x199]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2026/01/01  18:00:18.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2026/01/01  18:00:20.0  XRT_ARS_DIS_425_OG [0x1a9]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/01  18:02:58.0  XRT_QT_PROG_SET_421_OG [0x1a5]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2026/01/01  18:03:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  18:09:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  18:09:56.0  XRT_FOCUS_POSITION_414_OG [0x19e]
                                    XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2026/01/01  18:10:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                    AOCU_NM              5 02-76 03 03 74 01 db
2026/01/01  18:10:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2026/01/01  18:10:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/01/01  18:10:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2026/01/01  18:10:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/01  18:10:24.0  XRT_FLD_RESET_410_OG [0x19a]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  18:12:56.0  XRT_QT_PROG_SET_436_OG [0x1b4]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 09
2026/01/01  18:12:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/01/01  18:13:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  18:40:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  18:40:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  18:40:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  18:43:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  19:04:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  19:05:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  19:16:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  19:16:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  19:16:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  19:19:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
```

```
2026/01/01  19:21:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  19:22:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  20:17:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  20:17:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  20:17:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  20:20:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  20:40:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  20:41:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  20:55:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  20:55:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  20:55:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  20:58:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  20:59:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  21:00:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  21:54:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  21:54:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  21:54:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  21:57:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  22:17:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  22:18:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  22:33:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  22:33:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  22:33:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  22:36:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  22:37:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  22:38:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/01  23:31:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/01  23:31:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/01  23:31:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/01  23:34:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/01  23:52:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/01  23:53:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  00:11:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  00:11:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  00:11:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  00:14:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  00:16:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  00:17:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  01:08:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  01:08:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  01:08:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  01:11:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  01:16:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  01:17:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  01:49:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  01:49:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  01:49:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  01:52:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  01:54:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  01:55:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  02:32:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
```

```
2026/01/02  02:32:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  02:32:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  02:35:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  02:50:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  02:51:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  03:27:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  03:27:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  03:27:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  03:30:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  03:32:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  03:33:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  03:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  03:59:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/01/02  04:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2026/01/02  04:00:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2026/01/02  04:00:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/01/02  04:00:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2026/01/02  04:00:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/02  04:00:24.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  04:02:56.0  XRT_QT_PROG_SET_444_OG [0x1bc]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2026/01/02  04:02:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/01/02  04:27:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  04:28:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  05:05:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  05:05:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  05:05:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  05:08:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  05:10:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  05:11:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  05:36:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  05:36:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  05:36:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  05:39:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  06:04:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  06:05:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  06:13:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  06:13:26.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/01/02  06:13:46.0  XRT_FLD_DIS_409_OG [0x199]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2026/01/02  06:13:48.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2026/01/02  06:13:50.0  XRT_ARS_DIS_425_OG [0x1a9]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/02  06:16:28.0  XRT_QT_PROG_SET_421_OG [0x1a5]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2026/01/02  06:16:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  06:23:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  06:23:26.0  XRT_FOCUS_POSITION_414_OG [0x19e]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2026/01/02  06:23:30.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                        AOCU_NM              5 02-76 04 03 74 01 db
2026/01/02  06:23:46.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2026/01/02  06:23:48.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/01/02  06:23:50.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2026/01/02  06:23:52.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
```

```
2026/01/02  06:23:54.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  06:26:26.0  XRT_QT_PROG_SET_447_OG [0x1bf]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 0b
2026/01/02  06:26:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/01/02  06:26:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  06:44:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  06:44:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  06:44:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  06:47:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  06:48:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  06:49:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  07:16:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  07:16:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  07:16:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  07:19:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  07:41:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  07:42:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  08:22:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  08:22:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  08:22:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  08:25:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  08:26:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  08:27:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  08:56:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  08:56:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  08:56:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  08:59:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  09:18:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  09:19:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  10:00:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  10:00:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  10:00:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  10:03:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  10:04:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  10:05:30.5  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  10:35:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  10:35:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  10:35:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  10:38:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  10:52:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  10:53:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  11:38:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  11:38:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  11:38:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  11:41:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  11:42:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  11:43:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  13:16:30.5  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  13:16:32.5  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  13:16:34.5  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  13:19:44.5  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
```

```
2026/01/02  13:20:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  13:21:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  14:55:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  14:55:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  14:55:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  14:58:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  15:00:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  15:01:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  16:00:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  16:00:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  16:00:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  16:03:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  16:12:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  16:13:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  16:33:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  16:33:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  16:33:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  16:36:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  16:39:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  16:40:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  17:35:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  17:35:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  17:35:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  17:38:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  17:59:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  17:59:26.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/01/02  17:59:30.0  AOCS_ORe-point_Start_2_OG [0x098]
                                    AOCU_NM              5 02-76 00 00 00 00 00
2026/01/02  17:59:46.0  XRT_FLD_DIS_409_OG [0x199]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2026/01/02  17:59:48.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2026/01/02  17:59:50.0  XRT_ARS_DIS_425_OG [0x1a9]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/02  18:02:28.0  XRT_QT_PROG_SET_421_OG [0x1a5]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2026/01/02  18:02:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  18:09:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  18:09:26.0  XRT_FOCUS_POSITION_414_OG [0x19e]
                                    XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2026/01/02  18:09:30.0  AOCS_ORe-point_Start_3_OG [0x099]
                                    AOCU_NM              5 02-76 03 03 74 01 db
2026/01/02  18:09:46.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2026/01/02  18:09:48.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/01/02  18:09:50.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2026/01/02  18:09:52.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/02  18:09:54.0  XRT_FLD_RESET_410_OG [0x19a]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  18:12:26.0  XRT_QT_PROG_SET_447_OG [0x1bf]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 0b
2026/01/02  18:12:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/01/02  18:14:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  18:15:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  19:12:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  19:12:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  19:12:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  19:15:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  19:35:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  19:36:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
```

```
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  19:49:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  19:49:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  19:49:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  19:52:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  19:55:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  19:56:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  20:48:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  20:48:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  20:48:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  20:51:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  21:12:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  21:13:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  21:27:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  21:27:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  21:27:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  21:30:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  21:33:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  21:34:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  22:25:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  22:25:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  22:25:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  22:28:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  22:48:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  22:49:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/02  23:06:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/02  23:06:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/02  23:06:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/02  23:09:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/02  23:10:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/02  23:11:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  00:02:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  00:02:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  00:02:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  00:05:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  00:22:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  00:23:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  00:44:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  00:44:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  00:44:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  00:47:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  00:50:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  00:51:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  01:39:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  01:39:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  01:39:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  01:42:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  01:46:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  01:47:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  02:22:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  02:22:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
```

```
2026/01/03  02:22:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  02:25:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  02:28:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  02:29:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  03:02:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  03:02:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  03:02:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  03:05:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  03:22:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  03:23:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  03:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  03:59:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/01/03  04:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                    AOCU_NM              5 02-76 00 00 00 00 00
2026/01/03  04:00:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2026/01/03  04:00:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/01/03  04:00:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2026/01/03  04:00:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/03  04:00:24.0  XRT_FLD_RESET_410_OG [0x19a]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  04:02:56.0  XRT_QT_PROG_SET_444_OG [0x1bc]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2026/01/03  04:02:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/01/03  04:03:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  04:04:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  04:34:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  04:34:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  04:34:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  04:37:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  04:58:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  04:59:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  05:38:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  05:38:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  05:38:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  05:41:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  05:41:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  05:41:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/01/03  05:42:16.0  XRT_FLD_DIS_409_OG [0x199]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2026/01/03  05:42:18.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2026/01/03  05:42:20.0  XRT_ARS_DIS_425_OG [0x1a9]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/03  05:44:58.0  XRT_QT_PROG_SET_421_OG [0x1a5]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2026/01/03  05:45:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  05:51:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  05:51:56.0  XRT_FOCUS_POSITION_414_OG [0x19e]
                                    XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2026/01/03  05:52:00.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                    AOCU_NM              5 02-76 04 03 74 01 db
2026/01/03  05:52:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2026/01/03  05:52:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/01/03  05:52:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2026/01/03  05:52:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/03  05:52:24.0  XRT_FLD_RESET_410_OG [0x19a]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  05:54:56.0  XRT_QT_PROG_SET_447_OG [0x1bf]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 0b
2026/01/03  05:54:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
```

```
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/01/03  05:55:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  06:08:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  06:08:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  06:08:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  06:11:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  06:36:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  06:37:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  07:17:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  07:17:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  07:17:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  07:20:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  07:23:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  07:24:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  07:48:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  07:48:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  07:48:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  07:51:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  08:13:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  08:14:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  08:55:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  08:55:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  08:55:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  08:58:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  09:00:01.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  09:01:01.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  09:28:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  09:28:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  09:28:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  09:31:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  09:49:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  09:50:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  10:33:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  10:33:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  10:33:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  10:36:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  10:40:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  10:41:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  11:08:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  11:08:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  11:08:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  11:11:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  11:21:00.5  XRT_Custom_430_OG [0x1ae]
2026/01/03  11:22:00.5  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  12:12:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  12:12:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  12:12:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  12:15:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  12:18:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  12:19:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  13:50:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
```

```
2026/01/03  13:50:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  13:50:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  13:53:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  13:56:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  13:57:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  16:30:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  16:30:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  16:30:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  16:33:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  16:53:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  16:54:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  17:42:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  17:42:26.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/01/03  17:42:30.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2026/01/03  17:42:46.0  XRT_FLD_DIS_409_OG [0x199]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2026/01/03  17:42:48.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2026/01/03  17:42:50.0  XRT_ARS_DIS_425_OG [0x1a9]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/03  17:45:28.0  XRT_QT_PROG_SET_421_OG [0x1a5]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2026/01/03  17:45:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  17:52:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  17:52:26.0  XRT_FOCUS_POSITION_414_OG [0x19e]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2026/01/03  17:52:30.0  AOCS_ORe-point_Start_3_OG [0x099]
                                        AOCU_NM              5 02-76 03 03 74 01 db
2026/01/03  17:52:46.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2026/01/03  17:52:48.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/01/03  17:52:50.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2026/01/03  17:52:52.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/03  17:52:54.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  17:55:26.0  XRT_QT_PROG_SET_447_OG [0x1bf]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 0b
2026/01/03  17:55:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/01/03  17:55:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  18:06:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  18:06:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  18:06:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  18:09:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  18:30:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  18:31:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  19:43:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  19:43:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  19:43:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  19:46:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  20:06:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  20:07:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  21:20:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/03  21:20:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  21:20:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  21:23:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  21:43:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  21:44:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/03  22:57:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
```

```
2026/01/03  22:57:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/03  22:57:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/03  23:00:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/03  23:19:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/03  23:20:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/04  00:34:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/04  00:34:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/04  00:34:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/04  00:37:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/04  00:46:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/04  00:47:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/04  02:02:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/04  02:02:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/04  02:02:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/04  02:05:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/04  02:17:00.0  XRT_Custom_430_OG [0x1ae]
2026/01/04  02:18:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/04  03:32:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/04  03:32:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/04  03:32:34.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/04  03:35:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/04  03:53:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/04  03:54:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/04  03:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/04  03:59:56.0  XRT_FOCUS_RECALIBRATE_407_OG [0x197]
                                        XRT_FOCUS_RECAL      2 07-F8 78 00
2026/01/04  04:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2026/01/04  04:03:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/01/04  04:04:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2026/01/04  04:04:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/01/04  04:04:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2026/01/04  04:04:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/04  04:04:24.0  XRT_FLD_RESET_410_OG [0x19a]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/04  04:06:56.0  XRT_QT_PROG_SET_444_OG [0x1bc]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2026/01/04  04:06:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/01/04  04:07:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/04  05:01:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/04  05:01:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/01/04  05:01:04.0  XRT_PREFLR_STRT_418_OG [0x1a2]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/01/04  05:04:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/01/04  05:30:30.0  XRT_Custom_430_OG [0x1ae]
2026/01/04  05:31:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/04  05:49:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/04  05:49:26.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/01/04  05:49:46.0  XRT_FLD_DIS_409_OG [0x199]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2026/01/04  05:49:48.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2026/01/04  05:49:50.0  XRT_ARS_DIS_425_OG [0x1a9]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/01/04  05:52:28.0  XRT_QT_PROG_SET_421_OG [0x1a5]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2026/01/04  05:52:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/01/04  05:59:30.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
```

```
2026/01/04  05:59:45.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/01/04  06:00:00.0  XRT_TCIB_XRT_S_HTR_A_ENA_422_OG [0x1a6]
                                        TCIB_XRT_S_HTR_A_ENA 0 04-BC
2026/01/04  06:08:30.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                        AOCU_NM              5 02-76 04 03 74 01 db
2026/01/04  18:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2026/01/04  18:10:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                        AOCU_NM              5 02-76 03 03 74 01 db
2026/01/05  06:21:00.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                        AOCU_NM              5 02-76 04 03 74 01 db
2026/01/05  17:57:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2026/01/05  18:07:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                        AOCU_NM              5 02-76 03 03 74 01 db
2026/01/06  05:49:30.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                        AOCU_NM              5 02-76 04 03 74 01 db
2026/01/06  11:40:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
```