XRT Timeline to be uploaded on 2026/10/01

Period: 2026/10/01 11:21:00 - 2026/10/06 10:43:00

* * * * * **Normal mode** * * * * *

XOB #1CE7: AR - Filter-Ratio with thin-Be (long/short pairs) and Med-Be (short) with PFB, 384x384 at 1064 1048, with G-band (1ms/1ms VLS=CLS), 180 cad

Term	Pointing (x, y)	Comment
10/01 11:34:00 - 10/01 17:12:54	Track (822.4, 102.0) @ 10/01 11:31:00	# OP start + 10min AR observations
10/01 17:49:00 - 10/02 03:59:54	Track (844.1, 107.7) @ 10/01 17:23:00	HOP 548
10/02 05:44:00 - 10/02 05:57:30	Track (880.4, 120.0) @ 10/02 05:41:00	AR observations
10/02 15:28:30 - 10/02 17:19:54	Track (703.2, -264.3) @ 10/02 15:25:30	End of HOP412 / AR observations
10/02 17:33:00 - 10/02 23:29:54	Fixed (894.9, 137.6)	HOP 548
10/02 23:33:00 - 10/03 03:59:54	Track (748.5, -257.3) @ 10/02 23:30:00	AR observations
10/03 06:14:00 - 10/03 11:30:30	Track (782.4, -251.3) @ 10/03 06:11:00	AR observations

PROG= 02 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 60-time(s) 180.0sec

Seqn= 37 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	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
med-Be/Open	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec

Seqn= 59 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	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
med-Be/Open	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec
med-Be/Open	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec

XOB #1D2F: Synoptic 8 Filter w/ Al-mesh(5/181/1443), Al-poly(12/256/2048), Thin-Be(45/1024/8192), Thick-Be(65536), Med-Al(256/8192/32768), Med-Be(128/5

Term	Pointing (x, y)	Comment
10/01 17:16:00 - 10/01 17:22:54	Fixed (0.0, 0.0)	synoptic, shifted manually
10/02 05:34:00 - 10/02 05:40:54	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted -29.0 min
10/02 11:38:30 - 10/02 11:58:24	Fixed (-23.0, 1.0)	HOP412 11/20
10/02 17:23:00 - 10/02 17:29:54	Fixed (0.0, 0.0)	synoptic, shifted manually
10/03 06:04:00 - 10/03 06:10:54	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted 1.0 min

PROG= 17 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= 66 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	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Seqn= 22 1-time(s) 2.0sec

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	12ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Seqn= 19 1-time(s) 2.0sec

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	44ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Seqn= 23 1-time(s) 4.0sec

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= 65 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	64.0s	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= 89 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	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

XOB #1D28: 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
10/02 04:03:00 - 10/02 05:30:54	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted -29.0 min
10/03 04:03:00 - 10/03 06:00:54	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted 1.0 min

PROG= 03 Inf.-time(s)

Subr= 1 1-time(s) 300.0sec

Seqn=100 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	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

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	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

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	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

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	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 10-time(s) 720.0sec

Seqn= 8 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	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

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	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

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	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 #1D23: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 1800s cad (G-band/Leak last)

Term	Pointing (x, y)	Comment
10/02 06:29:00 - 10/02 06:48:54	Fixed (-23.0, -989.0)	HOP412 01/20
10/02 06:52:00 - 10/02 07:11:54	Fixed (-23.0, -889.0)	HOP412 02/20
10/02 07:15:00 - 10/02 07:37:30	Fixed (-23.0, -789.0)	HOP412 03/20
10/02 08:06:00 - 10/02 08:25:54	Fixed (-23.0, -689.0)	HOP412 04/20
10/02 08:29:00 - 10/02 08:48:54	Fixed (-23.0, -589.0)	HOP412 05/20
10/02 08:52:00 - 10/02 09:17:00	Fixed (-23.0, -489.0)	HOP412 06/20
10/02 09:42:30 - 10/02 10:02:24	Fixed (-23.0, -389.0)	HOP412 07/20
10/02 10:05:30 - 10/02 10:25:24	Fixed (-23.0, -289.0)	HOP412 08/20
10/02 10:28:30 - 10/02 10:57:00	Fixed (-23.0, -189.0)	HOP412 09/20
10/02 11:15:30 - 10/02 11:35:24	Fixed (-23.0, -89.0)	HOP412 10/20
10/02 12:01:30 - 10/02 12:21:24	Fixed (-23.0, 101.0)	HOP412 12/20
10/02 12:24:30 - 10/02 12:44:24	Fixed (-23.0, 201.0)	HOP412 13/20
10/02 12:47:30 - 10/02 13:07:24	Fixed (-23.0, 301.0)	HOP412 14/20
10/02 13:10:30 - 10/02 13:30:24	Fixed (-23.0, 401.0)	HOP412 15/20
10/02 13:33:30 - 10/02 13:53:24	Fixed (-23.0, 501.0)	HOP412 16/20
10/02 13:56:30 - 10/02 14:16:24	Fixed (-23.0, 601.0)	HOP412 17/20
10/02 14:19:30 - 10/02 14:39:24	Fixed (-23.0, 701.0)	HOP412 18/20
10/02 14:42:30 - 10/02 15:02:24	Fixed (-23.0, 801.0)	HOP412 19/20
10/02 15:05:30 - 10/02 15:25:24	Fixed (-23.0, 901.0)	HOP412 20/20

PROG= 19 Inf.-time(s)

Subr= 1 8-time(s) 1800.0sec

Seqn= 8 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	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

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	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

Subr= 2 1-time(s) 2.0sec

Seqn= 30 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	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

* * * * * **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
10/01 11:34:00 - 10/01 17:12:54	Track (822.4, 102.0) @ 10/01 11:31:00	# OP start + 10min AR observations
10/01 17:49:00 - 10/02 03:59:54	Track (844.1, 107.7) @ 10/01 17:23:00	HOP 548
10/02 04:03:00 - 10/02 05:30:54	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted -29.0 min
10/02 05:44:00 - 10/02 05:57:30	Track (880.4, 120.0) @ 10/02 05:41:00	AR observations
10/02 06:29:00 - 10/02 06:48:54	Fixed (-23.0, -989.0)	HOP412 01/20

10/02 06:52:00 - 10/02 07:11:54	Fixed (-23.0, -889.0)	HOP412 02/20
10/02 07:15:00 - 10/02 07:37:30	Fixed (-23.0, -789.0)	HOP412 03/20
10/02 08:06:00 - 10/02 08:25:54	Fixed (-23.0, -689.0)	HOP412 04/20
10/02 08:29:00 - 10/02 08:48:54	Fixed (-23.0, -589.0)	HOP412 05/20
10/02 08:52:00 - 10/02 09:17:00	Fixed (-23.0, -489.0)	HOP412 06/20
10/02 09:42:30 - 10/02 10:02:24	Fixed (-23.0, -389.0)	HOP412 07/20
10/02 10:05:30 - 10/02 10:25:24	Fixed (-23.0, -289.0)	HOP412 08/20
10/02 10:28:30 - 10/02 10:57:00	Fixed (-23.0, -189.0)	HOP412 09/20
10/02 11:15:30 - 10/02 11:35:24	Fixed (-23.0, -89.0)	HOP412 10/20
10/02 12:01:30 - 10/02 12:21:24	Fixed (-23.0, 101.0)	HOP412 12/20
10/02 12:24:30 - 10/02 12:44:24	Fixed (-23.0, 201.0)	HOP412 13/20
10/02 12:47:30 - 10/02 13:07:24	Fixed (-23.0, 301.0)	HOP412 14/20
10/02 13:10:30 - 10/02 13:30:24	Fixed (-23.0, 401.0)	HOP412 15/20
10/02 13:33:30 - 10/02 13:53:24	Fixed (-23.0, 501.0)	HOP412 16/20
10/02 13:56:30 - 10/02 14:16:24	Fixed (-23.0, 601.0)	HOP412 17/20
10/02 14:19:30 - 10/02 14:39:24	Fixed (-23.0, 701.0)	HOP412 18/20
10/02 14:42:30 - 10/02 15:02:24	Fixed (-23.0, 801.0)	HOP412 19/20
10/02 15:05:30 - 10/02 15:25:24	Fixed (-23.0, 901.0)	HOP412 20/20
10/02 15:28:30 - 10/02 17:19:54	Track (703.2, -264.3) @ 10/02 15:25:30	End of HOP412 / AR observations
10/02 17:33:00 - 10/02 23:29:54	Fixed (894.9, 137.6)	HOP 548
10/02 23:33:00 - 10/03 03:59:54	Track (748.5, -257.3) @ 10/02 23:30:00	AR observations
10/03 04:03:00 - 10/03 06:00:54	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted 1.0 min
10/03 06:14:00 - 10/03 11:30:30	Track (782.4, -251.3) @ 10/03 06:11:00	AR observations

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

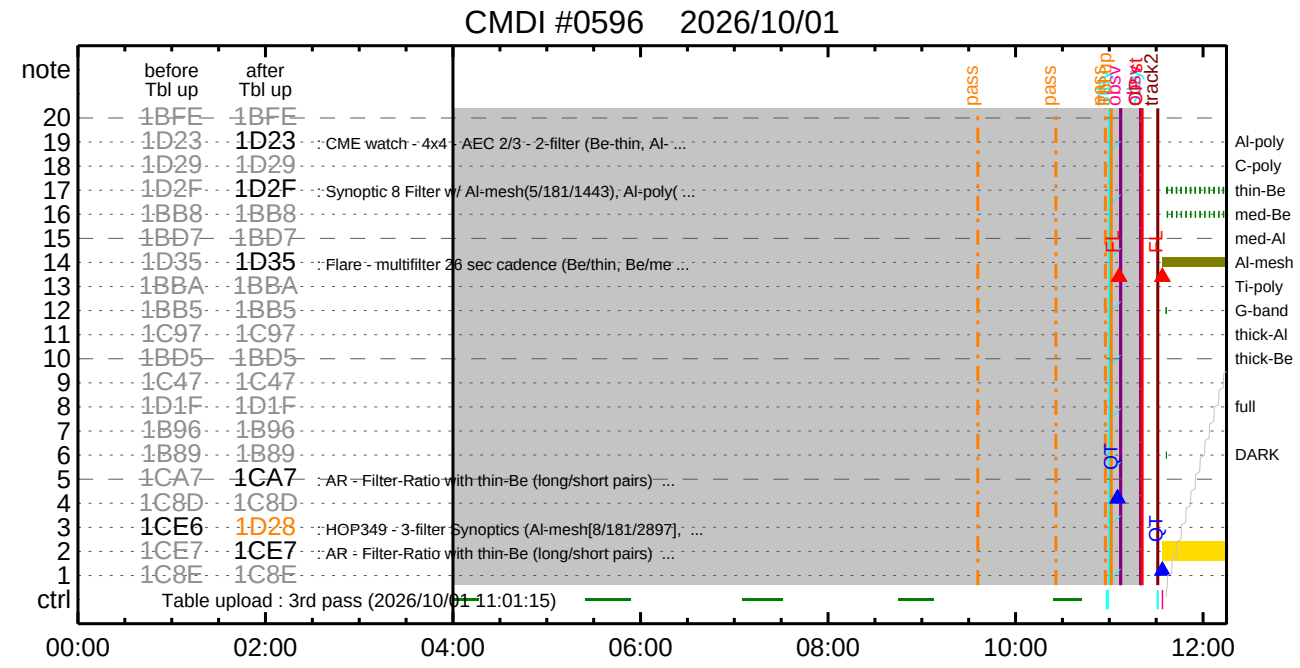
NOT USED

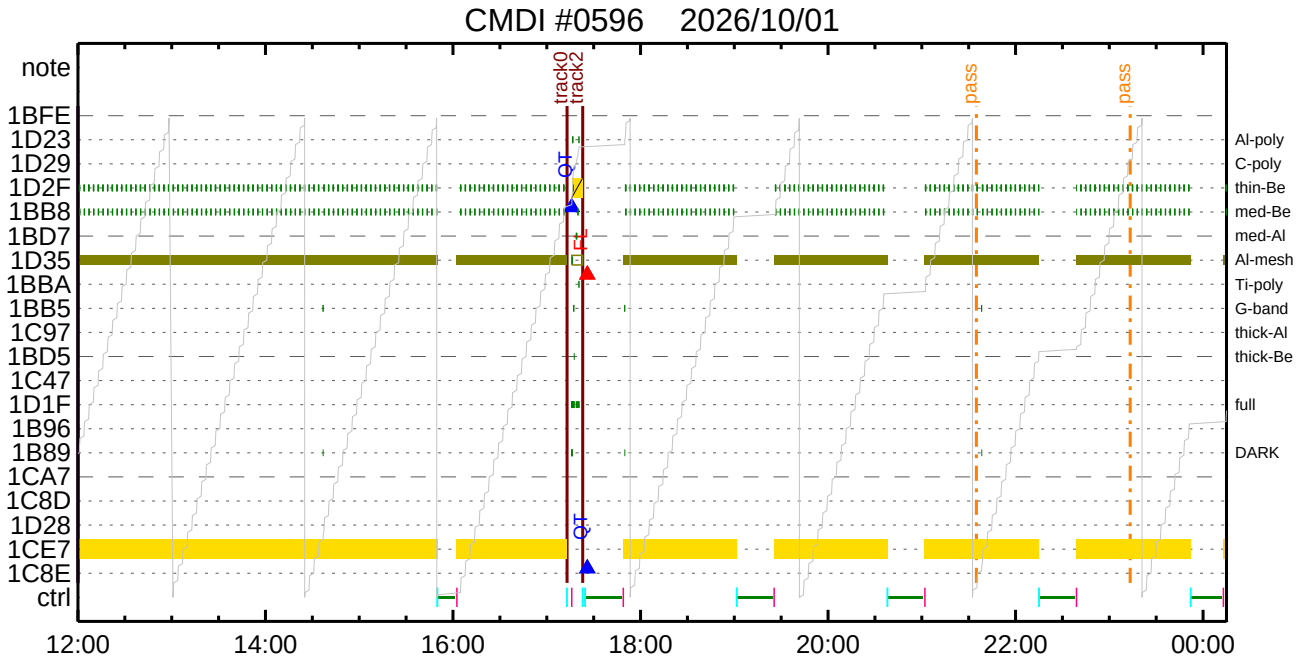
Flare Detection

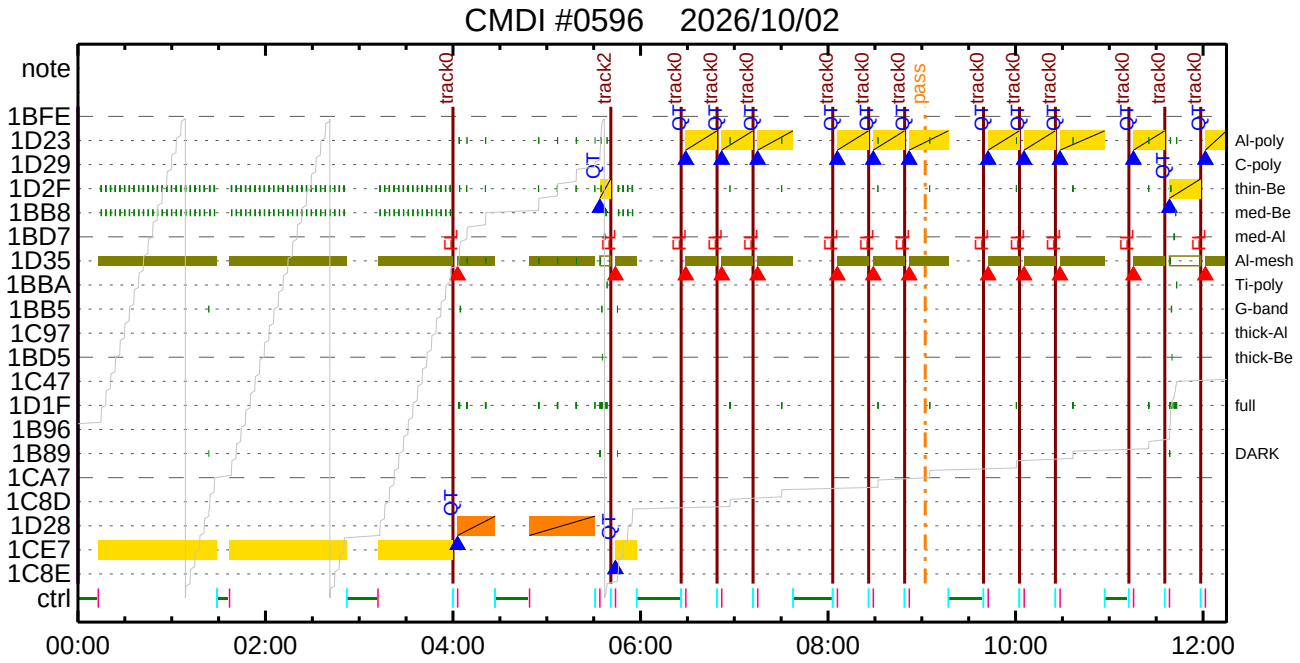
FLD Patrol

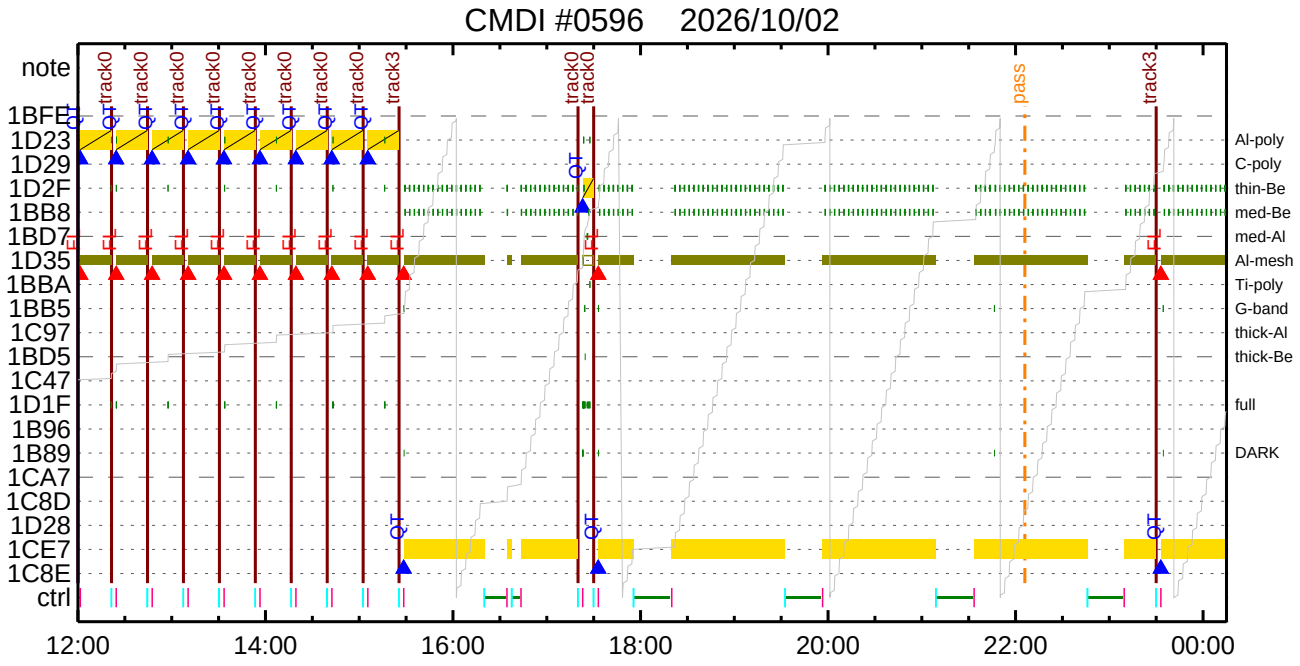
Term	Pointing (x, y)	Comment
10/01 11:02:15 - 10/01 17:13:18	cannot be identified	
10/01 17:23:18 - 10/02 05:31:18	Track (844.1, 107.7) @ 10/01 17:23:00	HOP 548
10/02 05:41:18 - 10/02 11:35:48	Track (880.4, 120.0) @ 10/02 05:41:00	AR observations
10/02 11:58:48 - 10/02 17:20:18	Fixed (-23.0, 101.0)	HOP412 12/20
10/02 17:30:18 - 10/03 06:01:18	Fixed (894.9, 137.6)	HOP 548
10/03 06:11:18 - 10/06 10:43:00	Track (782.4, -251.3) @ 10/03 06:11:00	AR observations

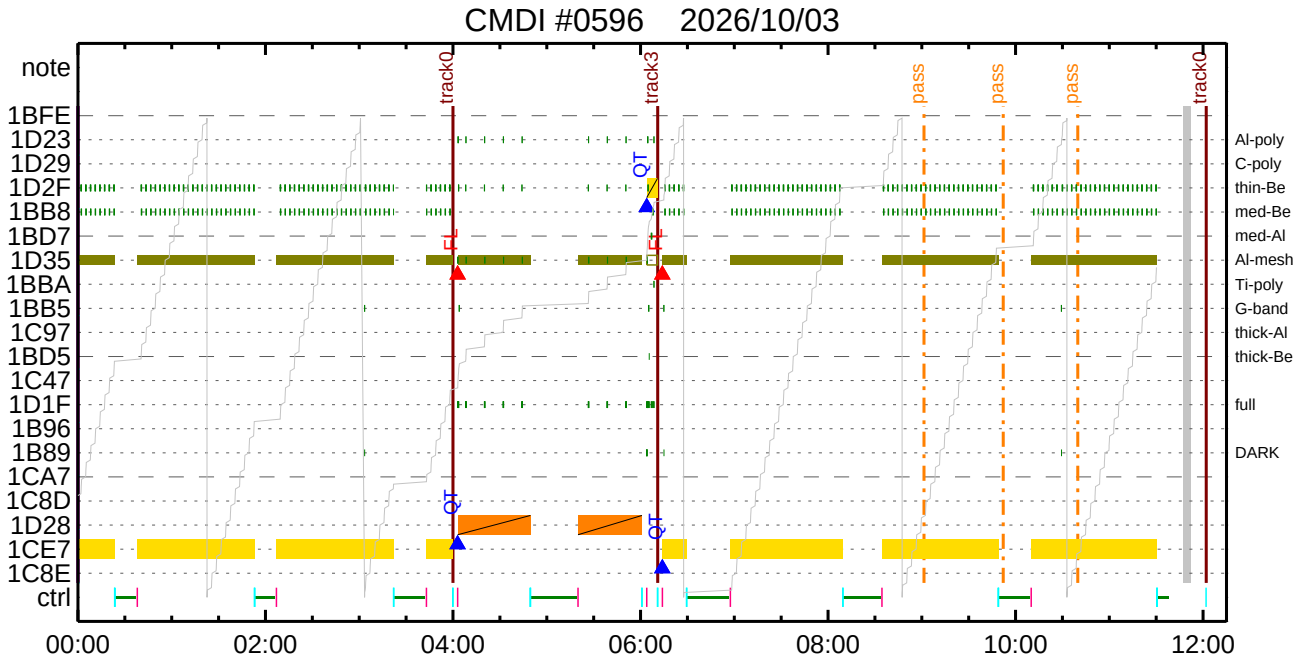
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4ms	Obs	8x8		Q=50			30sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval

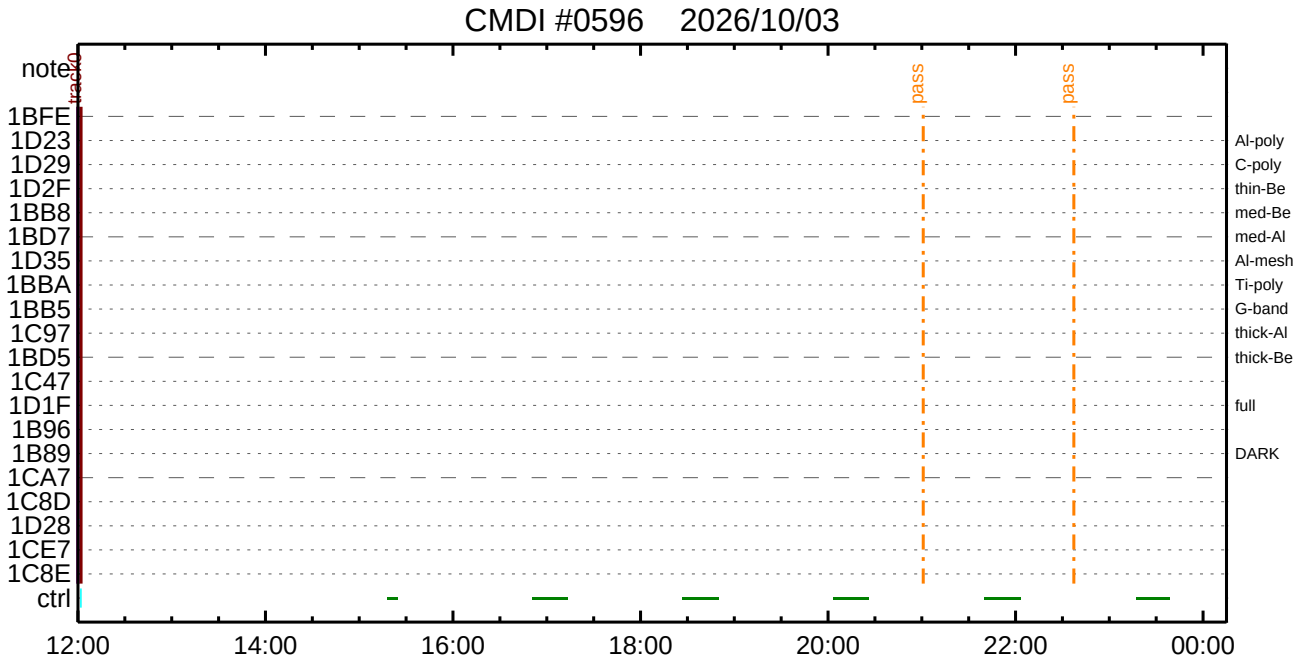

CMDI #0596 2026/10/01
note
before Tbl up
after Tbl up
1BFE 1BFE
1D23 1D23 : CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al- ...
1D29 1D29
1D2F 1D2F : Synoptic 8 Filter w/ Al-mesh(5/181/1443), Al-poly(...
1BB8 1BB8
1BD7 1BD7
1D35 1D35 : Flare - multifilter 26 sec cadence (Be/thin, Be/me ...
1BBA 1BBA
1BB5 1BB5
1C97 1C97
1BD5 1BD5
1C47 1C47
1D1F 1D1F
1B96 1B96
1B89 1B89
1CA7 1CA7 : AR - Filter-Ratio with thin-Be (long/short pairs) ...
1C8D 1C8D
1CE6 1D28 : HOP349 - 3-filter Synoptics (Al-mesh[8/181/2897], ...
1CE7 1CE7 : AR - Filter-Ratio with thin-Be (long/short pairs) ...
1C8E 1C8E
ctrl
Table upload : 3rd pass (2026/10/01 11:01:15)
pass
pass
track0
track2
FL
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

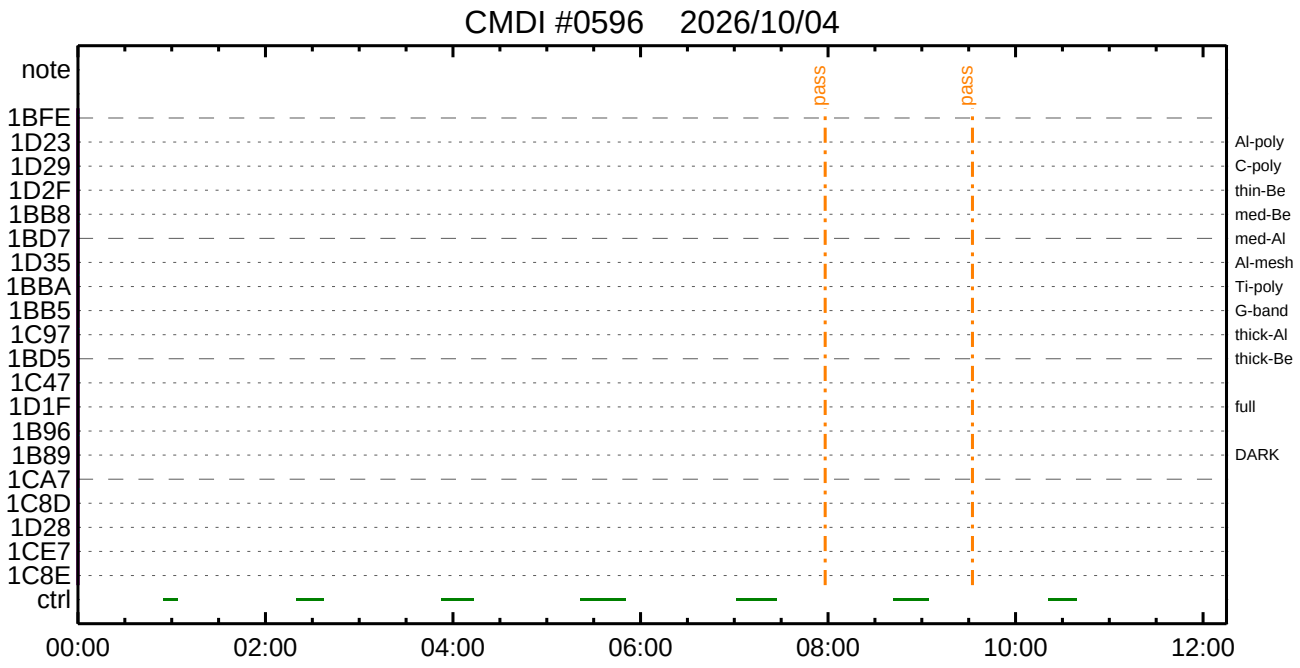

CMDI #0596 2026/10/01
note
1BFE
1D23
1D29
1D2F
1BB8
1BD7
1D35
1BBA
1BB5
1C97
1BD5
1C47
1D1F
1B96
1B89
1CA7
1C8D
1D28
1CE7
1C8E
ctrl
track0
track2
pass
pass
QT
QT
QT
FL
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

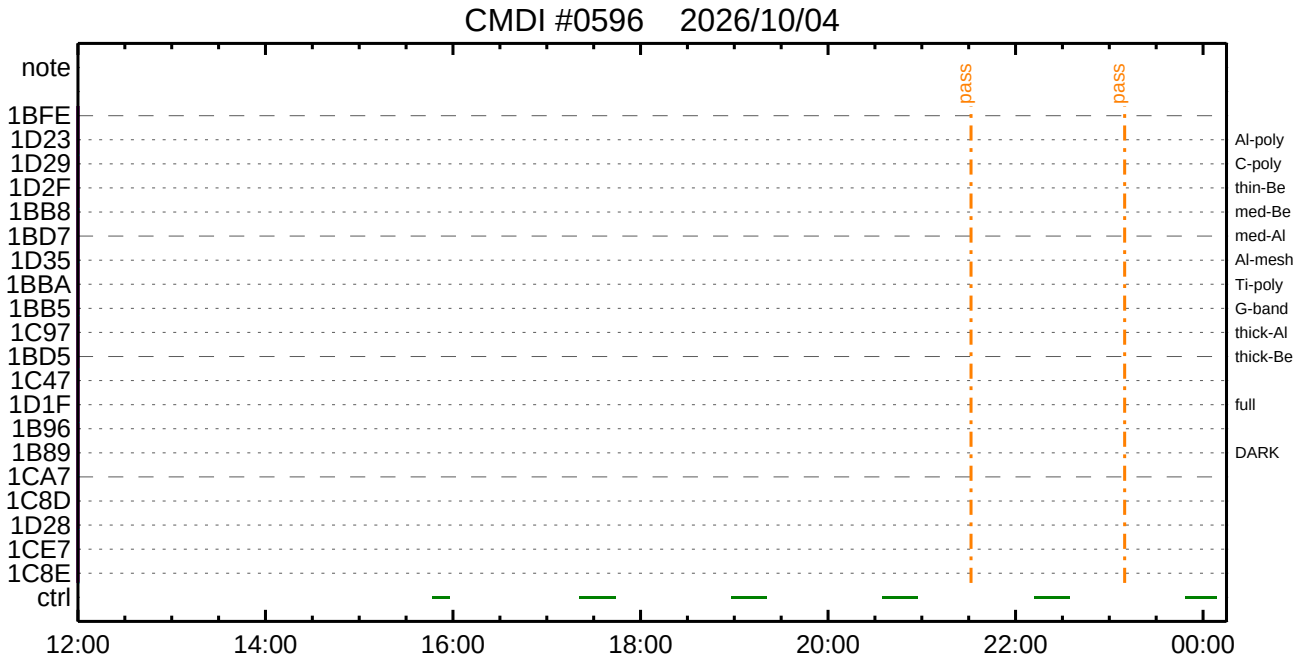

CMDI #0596 2026/10/02
note
1BFE
1D23
1D29
1D2F
1BB8
1BD7
1D35
1BBA
1BB5
1C97
1BD5
1C47
1D1F
1B96
1B89
1CA7
1C8D
1D28
1CE7
1C8E
ctrl
track0
track2
pass
QT
FL
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

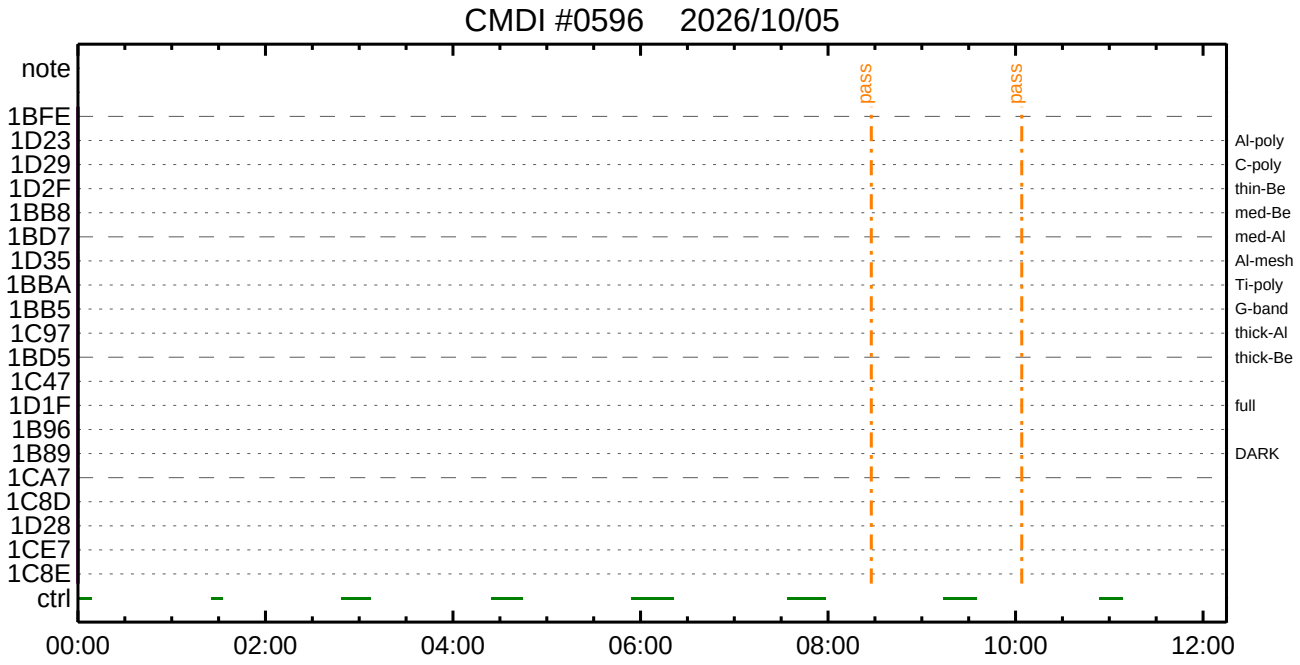

CMDI #0596 2026/10/02
note
1BFE
1D23
1D29
1D2F
1BB8
1BD7
1D35
1BBA
1BB5
1C97
1BD5
1C47
1D1F
1B96
1B89
1CA7
1C8D
1D28
1CE7
1C8E
ctrl
12:00
14:00
16:00
18:00
20:00
22:00
00:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK

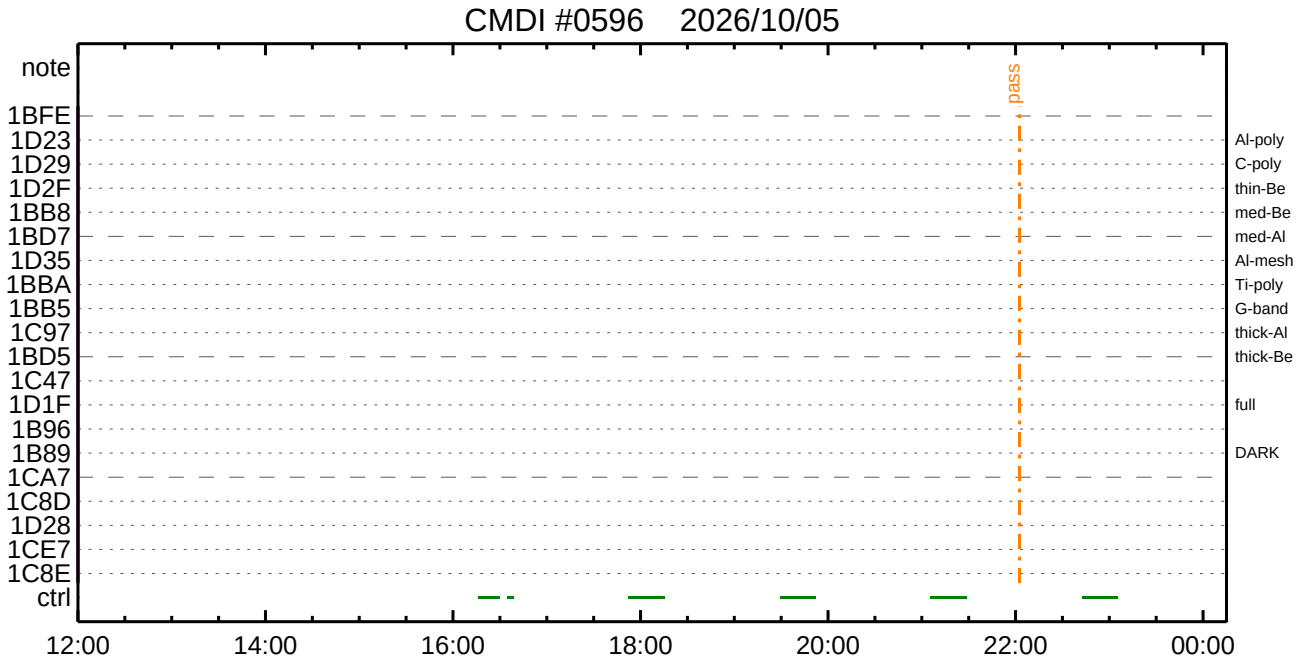

CMDI #0596 2026/10/03
note
1BFE
1D23
1D29
1D2F
1BB8
1BD7
1D35
1BBA
1BB5
1C97
1BD5
1C47
1D1F
1B96
1B89
1CA7
1C8D
1D28
1CE7
1C8E
ctrl
00:00
02:00
04:00
06:00
08:00
10:00
12:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK

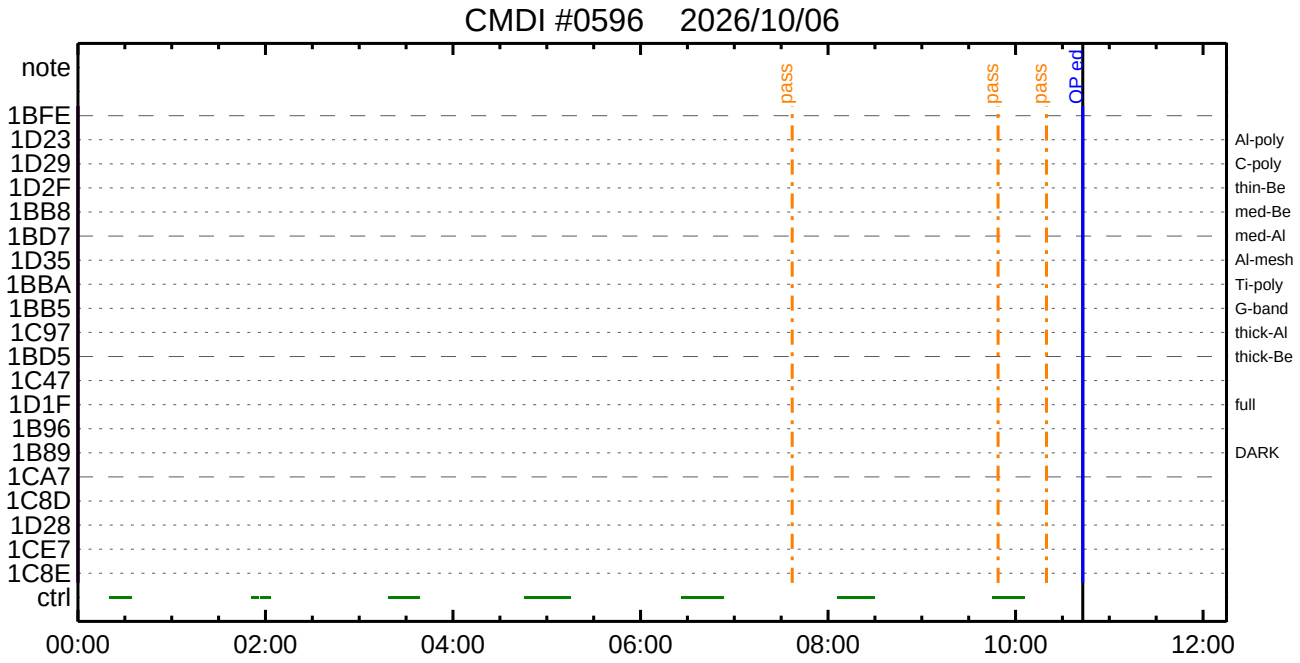

CMDI #0596 2026/10/03
note
1BFE
1D23
1D29
1D2F
1BB8
1BD7
1D35
1BBA
1BB5
1C97
1BD5
1C47
1D1F
1B96
1B89
1CA7
1C8D
1D28
1CE7
1C8E
ctrl
12:00
14:00
16:00
18:00
20:00
22:00
00:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK

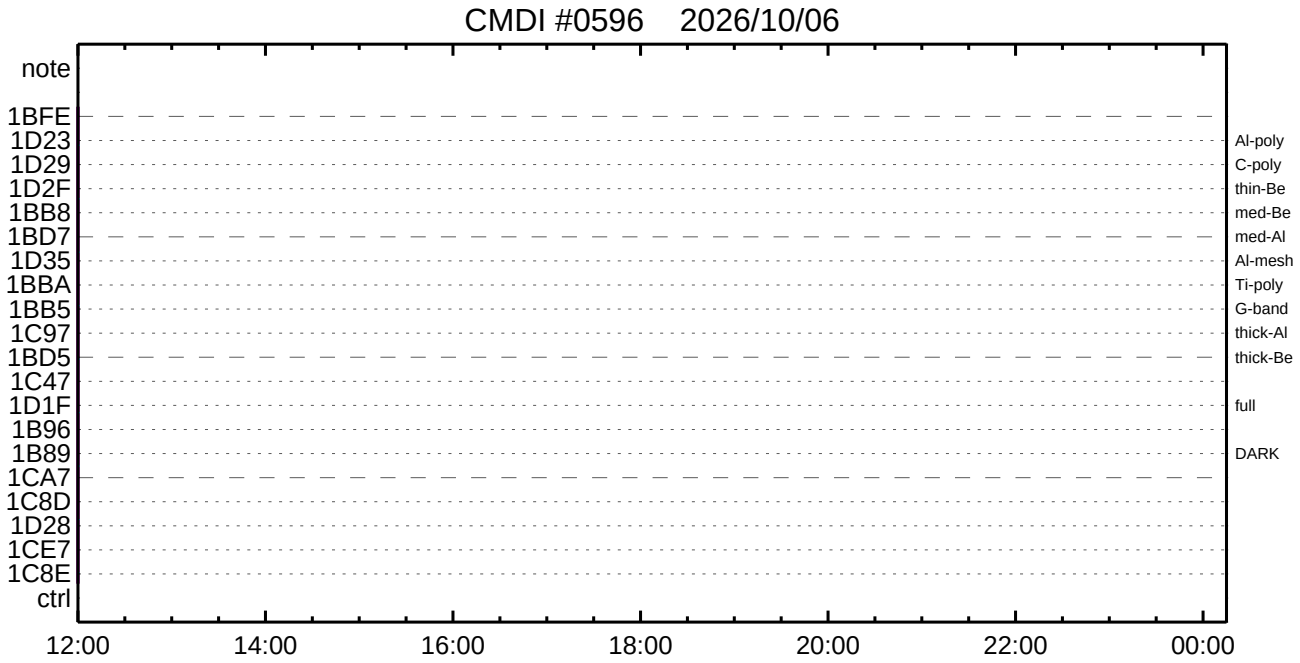

CMDI #0596 2026/10/04
note
1BFE
1D23
1D29
1D2F
1BB8
1BD7
1D35
1BBA
1BB5
1C97
1BD5
1C47
1D1F
1B96
1B89
1CA7
1C8D
1D28
1CE7
1C8E
ctrl
pass
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0596 2026/10/04
note
1BFE
1D23
1D29
1D2F
1BB8
1BD7
1D35
1BBA
1BB5
1C97
1BD5
1C47
1D1F
1B96
1B89
1CA7
1C8D
1D28
1CE7
1C8E
ctrl
pass
pass
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 #0596 2026/10/05
note
1BFE
1D23
1D29
1D2F
1BB8
1BD7
1D35
1BBA
1BB5
1C97
1BD5
1C47
1D1F
1B96
1B89
1CA7
1C8D
1D28
1CE7
1C8E
ctrl
pass
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 #0596 2026/10/05
note
1BFE
1D23
1D29
1D2F
1BB8
1BD7
1D35
1BBA
1BB5
1C97
1BD5
1C47
1D1F
1B96
1B89
1CA7
1C8D
1D28
1CE7
1C8E
ctrl
pass
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 #0596 2026/10/06
note
1BFE
1D23
1D29
1D2F
1BB8
1BD7
1D35
1BBA
1BB5
1C97
1BD5
1C47
1D1F
1B96
1B89
1CA7
1C8D
1D28
1CE7
1C8E
ctrl
pass
pass
pass
OP ed
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 #0596 2026/10/06
note
1BFE
1D23
1D29
1D2F
1BB8
1BD7
1D35
1BBA
1BB5
1C97
1BD5
1C47
1D1F
1B96
1B89
1CA7
1C8D
1D28
1CE7
1C8E
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-259 2026-10-01 11:39:09 278 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×È¥¤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¸¡¾Ú)
0043     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0044     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
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¸¡¾Ú)
0050     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0051     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
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¸¡¾Ú)
0069     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0070     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
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¸¡¾Ú)
0076     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0077     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
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. OP/OG¥í¡¼¥É¡¦¥À¥ó¥×
0100     C. ****************************
0101     C.
0102   . C. ¡ãOP/OG¥í¡¼¥É¡ä
0103   . S. OP     op-259:OP
0104     ()
0105   . S. OG     og-259:OG
0106     ()
0107     C.
0108   . C. ¡ãNMOG&OPÎÎ°è¥À¥ó¥×¡ä
0109     C. NMOG(0x200000-0x207FFF¡§ 32 kbyte)
0110  +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111     BC       (20 00 7f 01 02)
0112     C.                       ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     40
0113     C.                       ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0114     C.                       ¢¢[HK1_DMP_BLOCK_NUM]           EQ     127
0115     C.                       ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0116     C.                       ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0117  +. DC 01-22 DHU_MODE_CHNG
0118     BC       (07 0b f8)
0119     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     7
0120     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0121     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0122     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0123     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0124   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0125     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0126   . C. RAM ID=NMOG¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0127     C.
0128     C. NMOG(0x208000-0x20FFFF¡§ 32 kbyte)
0129  +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130     BC       (20 80 7f 01 02)
0131     C.                       ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     41
0132     C.                       ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0133     C.                       ¢¢[HK1_DMP_BLOCK_NUM]           EQ     127
0134     C.                       ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0135     C.                       ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0136  +. DC 01-22 DHU_MODE_CHNG
0137     BC       (07 0b f8)
0138     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     7
0139     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0140     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0141     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0142     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0143   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0144     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0145   . C. RAM ID=NMOG¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0146     C.
0147     C. NMOG(0x210000-0x2100FF¡§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148  +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149     BC       (21 00 41 01 02)
0150     C.                       ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     42
0151     C.                       ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0152     C.                       ¢¢[HK1_DMP_BLOCK_NUM]           EQ     65
0153     C.                       ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0154     C.                       ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0155  +. DC 01-22 DHU_MODE_CHNG
0156     BC       (07 0b f8)
0157     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     7
0158     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0159     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0160     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0161     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0162   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0163     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0164   . C. RAM ID=NMOG,RAM ID=OP¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0165     C.
0166   . C. ***** °Ê²¼¤Ï¾Ã´¶Á°¤ËÉ¬¤°Á÷¿® (¾åµ-¥À¥ó¥×¼ê½ç¤òÅÓÃæ¤Ç½ª¤¨¤ë¾ì¹ç¤Ç¤â) *****
0167     C. DHU¥â¡¼¥É¡Ê¼ý¸¸¸
```

```
0194     C.
0195   +. TI 2026-10-01 11:20:59.5
0196     DC 01-B2 DHU_OP_START
0197     C.                        ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0198     C.
0199     C. °Ê²¼¤ÏÄê¾ïÍÑ¤Î¥Á¥§¥Ã¥¯¹àÌÜ
0200     C.                        ¢¢[HK1_TI_CMD_ENA/DIS]          EQ     ENA
0201     C.                        ¢¢[HK1_TI_CMD_NUM]              EQ     4
0202     C.                        ¢¢[HK1_NEXT_EXEC_PIM]           EQ     DHU
0203     C.                        ¢¢[HK1_NEXT_EXEC_DC]            EQ     0xB3
0204     C.
0205    . C. ****************************
0206     C. TIÎÎ°è¥À¥ó¥×
0207     C. ****************************
0208     C.
0209     C. TI_TBL(0x03AB00-0x03AEFF¡§ 1024byte)
0210   +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211     BC       (03 ab 03 01 02)
0212     C.                        ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     07
0213     C.                        ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     2B
0214     C.                        ¢¢[HK1_DMP_BLOCK_NUM]           EQ     3
0215     C.                        ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0216     C.                        ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0217   +. DC 01-22 DHU_MODE_CHNG
0218     BC       (07 0b f8)
0219     C.                        ¢¢[HK1_PKT_FORM_NO]             EQ     7
0220     C.                        ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0221     C.                        ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0222     C.                        ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0223     C.                        ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0224     C.
0225    . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0226     C.                        ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0227     C.
0228    . C. RAM ID=TI_TBL¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0229     C.
0230    . C. DHU¥â¡¼¥É¡Ê¼ý½¸¥ì¡¼¥È¡Ë¤òÌá¤¹
0231   +. DC 01-22 DHU_MODE_CHNG
0232     BC       (02 0a f8)
0233     C.                        ¢¢[HK1_PKT_FORM_NO]             EQ     2
0234     C.                        ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
0235     C.                        ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
0236     C.                        ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0237     C.
0238    . C. Stop EIS observation and temporarily disable EIS mode changes
0239     C.
0240     C.
0241     C. ********** Start EIS operation (TI set) **********
0242     C. Execute, after the success of OP upload.
0243     C. Set EIS TI-commands
0244   +. TI 2026-10-01 11:20:30.0
0245     DC 07-FC EIS_MODE_MANU
0246     BC       (21 02)
0247   +. TI 2026-10-01 11:20:40.0
0248     DC 07-FC EIS_MODE_CHG_DIS
0249     BC       (22)
0250    . C.                       [   ]  [HK1_TI_CMD_NUM]     EQ    2 COUNTUP
0251     C. ************ End EIS operation (TI set) ************
0252     C.
0253     C.
0254     C.
0255     C. ************ XRT START ************
0256     C. Execute, after the success of OP upload.
0257   +. TI 2026-10-01 11:20:00.0
0258     DC 07-F0 MDP_XRT_MODE_STBY
0259     BC       (c3)
0260    . C.                       [   ]  [HK1_TI_CMD_NUM]     EQ    1COUNTUP
0261     C.
0262     C. ************ XRT END ************
0263     C.
0264    . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0265     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0266    . S. DC-BC dcbc-402:DCBC
0267     (MDP_known_event)
0268     C.
0269     C.
0270    . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0271    . S. DC-BC dcbc-153:DCBC
0272     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0273     C.
0274     C.
0275    . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0276     C.
0277    . C. *********** LOS ***********
0278     C.
```

```
(a) Spacecraft Operation Procedure (real-commands)

main-260 2026-10-01 11:39:09 108 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. ***** AOCS Commands (Tracking Curve Upload) ******
0015     C. Upload the Orbit Element and the Target Attitude
0016     C. RAM-ID:TARGET_ATT
0017   . S. RAM   ram-150:TARGET_ATT
0018     ()
0019     C.
0020     C.
0021     C. Set the dump memory area of TARGET_ATT
0022   +. DC 02-48 AOCU_DUMP_SET
0023     BC       (07 00 00 00 18 00)
0024     C.
0025     C.    <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026     C.
0027     C.
0028     C. Change the TLMFormatNo for the AOCS Dump Format
0029   +. DC 01-22 DHU_MODE_CHNG
0030     BC       (04 0b f8)
0031     C.
0032     C. Wait for AOCSDUMP to end
0033     C.
0034   . C. Check the dump memory
0035     C.
0036     C.                                      Result = OK [ ]
0037     C.
0038   +. DC 01-22 DHU_MODE_CHNG
0039     BC       (02 0a f8)
0040     C.
0041     C.                          <A_***>[TLM STS] FMT = 2 [ ]
0042     C.
0043   +. DC 02-8E AOCU_ORB_UPD
0044   . C.
0045   . C. ********** Start EIS SAFE RECOVERY operation **********
0046   . C. ENABLE MODE CHANGE
0047   +. DC 07-FC EIS_MODE_CHG_ENA
0048     BC       (20)
0049   . C. MHC SLIT/SLOT RESOLVER TO AUTO
0050   +. DC 07-FC EIS_RESOLV_AUTO
0051     BC       (72 00 99 00 02 00 03)
0052   . C. Wait 5 seconds
0053   . C. ENABLE MHC AUTO SAFE
0054   +. DC 07-FC EIS_MHC_SAFE_ENA
0055     BC       (5f c0 9a 00 02 00 01)
0056   . C. Wait 5 seconds
0057   . C. ENABLE MHC MECHANISMS
0058   +. DC 07-FC EIS_MHC_MECH_ENA
0059     BC       (54 e8 8e)
0060   . C. Wait 5 seconds
0061   . C. FIND MHC SHUTTER INDEX
0062   +. DC 07-FC EIS_FIND_SHT_INDEX
0063     BC       (5a 60 09)
0064   . C. Wait 30 seconds
0065   . C. Verify status type 3 parameters: EIS_MHC_SAFE_STS = NON , EIS_MHC_SAFE_FLG = ENA , EIS_MHC_MECH_FLG
= ENA , EIS_SHUTTER_INDEX = ACT
0066     C.
0067   . C. ********** End EIS SAFE RECOVERY operation **********
0068   . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0069   +. DC 07-FC EIS_MODE_CHG_ENA
0070     BC       (20)
0071   . C. Verify EIS_MODE_CHG_FLG is ENA
0072   +. DC 07-FC EIS_MODE_MANU
0073     BC       (21 02)
0074   . C. Verify EIS in MANUAL mode
0075   . C. Estimated OBSTBL upload time is 52s
0076     C. *********************************
0077     C. EIS START OBSTBL LOAD
0078     C. *********************************
0079   . S. RAM   ram-820:EIS_OBSTBL
0080     ()
0081   +. DC 07-FC EIS_DUMP_OBSTBL
0082     BC       (07 07 07 00 00 70 00)
0083     C.
0084     C. Execute, after the success of OBSTBL upload.
0085     C. Set EIS TI-commands
0086   +. TI 2026-10-01 11:20:50.0
0087     DC 07-FC EIS_MODE_CHG_ENA
0088     BC       (20)
0089   . C.                      [   ]  [HK1_TI_CMD_NUM]     EQ    1 COUNTUP
0090     C. *********************************
0091     C. EIS END OBSTBL LOAD
0092     C. *********************************
0093     C.
0094   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
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0095     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0096   . S. DC-BC dcbc-402:DCBC
0097     (MDP_known_event)
0098     C.
0099     C.
0100   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0101   . S. DC-BC dcbc-153:DCBC
0102     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0103     C.
0104     C.
0105   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0106     C.
0107   . C. ********** LOS **********
0108     C.
```

```
(a) Spacecraft Operation Procedure (real-commands)

main-261 2026-10-01 11:39:09 100 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. ************ XRT START ************
0016     C.
0017   +. DC 07-F0 MDP_XRT_CTRL_MANU
0018     BC       (c1)
0019   +. DC 07-F0 MDP_XRT_CTRL_MANU
0020     BC       (c1)
0021   +  DC 07-F0 MDP_XRT_MODE_STBY
0022     BC       (c3)
0023   . C. ----------- Success Verify ?              OK / NG____
0024     C.
0025     C. XRT Obs. Table Upload
0026   . S. RAM   ram-291:MDP_OBS_X
0027     ()
0028     C.
0029   +. DC 07-F0 MDP_DUMP_XRTTBL
0030     BC       (84 07 00 00 00 3a d4)
0031   . C. ----------- Comparison Check ?                        OK / ERR ____
0032     C.
0033     C.
0034   +. DC 07-F0 MDP_XRT_ROI_SET
0035     BC       (cd 01 b1 b1 04 04)
0036   +  DC 07-F0 MDP_XRT_ROI_SET
0037     BC       (cd 02 b1 b1 08 08)
0038   +  DC 07-F0 MDP_XRT_ROI_SET
0039     BC       (cd 03 b1 b1 08 08)
0040   +  DC 07-F0 MDP_XRT_ROI_SET
0041     BC       (cd 04 b1 b1 06 06)
0042   +  DC 07-F0 MDP_XRT_ROI_SET
0043     BC       (cd 06 85 83 06 06)
0044   +  DC 07-F0 MDP_XRT_ROI_SET
0045     BC       (cd 07 80 80 20 20)
0046   +  DC 07-F0 MDP_XRT_ROI_SET
0047     BC       (cd 08 80 80 20 08)
0048   +  DC 07-F0 MDP_XRT_ROI_SET
0049     BC       (cd 09 80 80 08 20)
0050   +  DC 07-F0 MDP_XRT_ROI_SET
0051     BC       (cd 0a 85 83 08 08)
0052   +  DC 07-F0 MDP_XRT_ROI_SET
0053     BC       (cd 0b 80 80 08 08)
0054   +  DC 07-F0 MDP_XRT_ROI_SET
0055     BC       (cd 0f 80 80 06 06)
0056   +  DC 07-F0 MDP_XRT_ROI_SET
0057     BC       (cd 10 80 80 08 08)
0058   +  DC 07-F0 MDP_XRT_FLD_ENA
0059     BC       (d8)
0060   +  DC 07-F0 MDP_XRT_FLRCTRL_ENA
0061     BC       (c8)
0062   +  DC 07-F0 MDP_XRT_ARS_DIS
0063     BC       (d5)
0064   +  DC 07-F0 MDP_XRT_AEC_RESET
0065     BC       (d0)
0066   +  DC 07-F0 MDP_XRT_FLD_RESET
0067     BC       (da)
0068   +. DC 07-F0 MDP_XRT_QT_PROG_SET
0069     BC       (c4 05)
0070   +. DC 07-F0 MDP_XRT_FL_PROG_SET
0071     BC       (c5 0e)
0072   . C. ---------- Success Verify ?            OK / NG ____
0073     C.
0074     C.
0075   . C. All OK?   Yes--> Please Proceed. / No --> Stop here.
0076     C.
0077   +. DC 07-F0 MDP_XRT_MODE_OBSV
0078     BC       (c2)
0079   +. TI 2026-10-01 11:20:02.0
0080     DC 07-F0 MDP_XRT_MODE_OBSV
0081     BC       (c2)
0082   . C. ---------- Success Verify ?            OK / NG ____
0083     C.
0084     C. ************ XRT END ***********
0085     C.
0086   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0087     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0088   . S. DC-BC dcbc-402:DCBC
0089     (MDP_known_event)
0090     C.
0091     C.
0092   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0093   . S. DC-BC dcbc-153:DCBC
0094     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0095     C.
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0096     C.
0097   . C. ¡ãLOS¥Á¥$¥Ã¥¯¼Â»Ü¡ä
0098     C.
0099   . C. *********** LOS ***********
0100     C.
```

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*** OP Sequence for XRT ***

2026/10/01  11:30:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  11:30:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  11:30:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2026/10/01  11:31:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM              5 02-76 02 03 e7 02 0c
2026/10/01  11:31:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/01  11:31:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/01  11:31:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/01  11:31:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/01  11:31:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/01  11:33:56.0  XRT_QT_PROG_SET_425_OG [0x1a9]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2026/10/01  11:33:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/01  11:34:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/01  15:50:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  15:50:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  15:50:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/01  15:50:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/01  15:53:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/01  16:01:30.0  XRT_Custom_430_OG [0x1ae]
2026/10/01  16:02:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/01  17:12:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  17:12:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  17:12:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/01  17:13:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2026/10/01  17:13:18.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2026/10/01  17:13:20.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2026/10/01  17:13:22.0  XRT_ARS_DIS_435_OG [0x1b3]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/01  17:15:58.0  XRT_QT_PROG_SET_404_OG [0x194]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 11
2026/10/01  17:16:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/01  17:22:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  17:22:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  17:22:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2026/10/01  17:23:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM              5 02-76 02 03 e7 02 0c
2026/10/01  17:23:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/01  17:23:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/01  17:23:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/01  17:23:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/01  17:23:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/01  17:24:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  17:24:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  17:24:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/01  17:24:36.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/01  17:25:56.0  XRT_QT_PROG_SET_425_OG [0x1a9]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2026/10/01  17:25:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/01  17:27:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/01  17:48:00.0  XRT_Custom_430_OG [0x1ae]
2026/10/01  17:49:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/01  19:01:30.0  XRT_CTRL_MANU_400_OG [0x190]
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                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  19:01:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  19:01:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/01  19:01:36.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/01  19:04:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/01  19:24:30.0  XRT_Custom_430_OG [0x1ae]
2026/10/01  19:25:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/01  20:38:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  20:38:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  20:38:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/01  20:38:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/01  20:41:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/01  21:01:00.0  XRT_Custom_430_OG [0x1ae]
2026/10/01  21:02:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/01  22:15:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  22:15:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  22:15:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/01  22:15:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/01  22:18:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/01  22:38:00.0  XRT_Custom_430_OG [0x1ae]
2026/10/01  22:39:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/01  23:52:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  23:52:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/01  23:52:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/01  23:52:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/01  23:55:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  00:12:00.0  XRT_Custom_430_OG [0x1ae]
2026/10/02  00:13:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  01:29:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  01:29:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  01:29:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  01:29:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/02  01:32:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  01:36:00.0  XRT_Custom_430_OG [0x1ae]
2026/10/02  01:37:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  02:52:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  02:52:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  02:52:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  02:52:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/02  02:55:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  03:11:00.0  XRT_Custom_430_OG [0x1ae]
2026/10/02  03:12:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  03:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  03:59:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  03:59:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  04:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2026/10/02  04:00:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  04:00:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  04:00:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  04:00:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
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2026/10/02  04:00:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  04:02:56.0  XRT_QT_PROG_SET_436_OG [0x1b4]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 03
2026/10/02  04:02:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  04:03:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  04:27:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  04:27:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  04:27:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  04:27:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/02  04:30:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  04:48:00.0  XRT_Custom_430_OG [0x1ae]
2026/10/02  04:49:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  05:30:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  05:30:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  05:30:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  05:31:18.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2026/10/02  05:31:20.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2026/10/02  05:31:22.0  XRT_ARS_DIS_435_OG [0x1b3]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  05:33:58.0  XRT_QT_PROG_SET_404_OG [0x194]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 11
2026/10/02  05:34:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  05:40:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  05:40:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  05:40:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2026/10/02  05:41:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM              5 02-76 02 03 e7 02 0c
2026/10/02  05:41:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  05:41:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  05:41:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  05:41:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  05:41:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  05:43:56.0  XRT_QT_PROG_SET_425_OG [0x1a9]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2026/10/02  05:43:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  05:44:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  05:57:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  05:57:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  05:57:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  05:57:36.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/02  06:00:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  06:25:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  06:25:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  06:25:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  06:26:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                AOCU_NM              5 02-76 00 57 e7 02 0c
2026/10/02  06:26:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  06:26:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  06:26:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  06:26:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  06:26:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  06:28:56.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  06:28:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
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2026/10/02  06:29:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  06:48:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  06:48:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  06:48:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  06:49:00.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                AOCU_NM              5 02-76 00 4f 02 02 0c
2026/10/02  06:49:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  06:49:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  06:49:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  06:49:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  06:49:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  06:51:56.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  06:51:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  06:52:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  07:11:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  07:11:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  07:11:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  07:12:00.0  AOCS_ORe-point_Start_5_OG [0x09b]
                                AOCU_NM              5 02-76 00 46 24 02 0c
2026/10/02  07:12:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  07:12:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  07:12:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  07:12:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  07:12:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  07:14:56.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  07:14:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  07:15:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  07:37:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  07:37:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  07:37:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  07:37:36.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/02  07:40:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  08:02:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  08:02:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  08:02:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  08:03:00.0  AOCS_ORe-point_Start_6_OG [0x09c]
                                AOCU_NM              5 02-76 00 3d 3f 02 0c
2026/10/02  08:03:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  08:03:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  08:03:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  08:03:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  08:03:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  08:05:56.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  08:05:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  08:06:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  08:25:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  08:25:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  08:25:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  08:26:00.0  AOCS_ORe-point_Start_7_OG [0x09d]
                                AOCU_NM              5 02-76 00 34 5a 02 0c
2026/10/02  08:26:18.0  XRT_FLD_ENA_411_OG [0x19b]
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                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  08:26:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  08:26:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  08:26:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  08:26:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  08:28:56.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  08:28:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  08:29:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  08:48:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  08:48:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  08:48:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  08:49:00.5  AOCS_ORe-point_Start_8_OG [0x09e]
                                    AOCU_NM              5 02-76 00 2b 74 02 0c
2026/10/02  08:49:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  08:49:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  08:49:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  08:49:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  08:49:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  08:51:56.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  08:51:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  08:52:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  09:17:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  09:17:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  09:17:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  09:17:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/02  09:20:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  09:39:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  09:39:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  09:39:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  09:39:30.0  AOCS_ORe-point_Start_9_OG [0x09f]
                                    AOCU_NM              5 02-76 00 22 97 02 0c
2026/10/02  09:39:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  09:39:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  09:39:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  09:39:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  09:39:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  09:42:26.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  09:42:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  09:42:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  10:02:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  10:02:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  10:02:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  10:02:30.0  AOCS_ORe-point_Start_10_OG [0x0a0]
                                    AOCU_NM              5 02-76 00 19 b2 02 0c
2026/10/02  10:02:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  10:02:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  10:02:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  10:02:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  10:02:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  10:05:26.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
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2026/10/02  10:05:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  10:05:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  10:25:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  10:25:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  10:25:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  10:25:30.0  AOCS_ORe-point_Start_11_OG [0x0a1]
                                AOCU_NM              5 02-76 00 10 cc 02 0c
2026/10/02  10:25:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  10:25:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  10:25:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  10:25:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  10:25:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  10:28:26.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  10:28:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  10:28:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  10:57:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  10:57:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  10:57:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  10:57:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/02  11:00:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  11:12:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  11:12:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  11:12:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  11:12:30.0  AOCS_ORe-point_Start_12_OG [0x0a2]
                                AOCU_NM              5 02-76 00 07 e7 02 0c
2026/10/02  11:12:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  11:12:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  11:12:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  11:12:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  11:12:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  11:15:26.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  11:15:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  11:15:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  11:35:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  11:35:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  11:35:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  11:35:30.0  AOCS_ORe-point_Start_13_OG [0x0a3]
                                AOCU_NM              5 02-76 00 ff e8 02 0c
2026/10/02  11:35:48.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2026/10/02  11:35:50.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2026/10/02  11:35:52.0  XRT_ARS_DIS_435_OG [0x1b3]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  11:38:28.0  XRT_QT_PROG_SET_404_OG [0x194]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 11
2026/10/02  11:38:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  11:58:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  11:58:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  11:58:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  11:58:30.0  AOCS_ORe-point_Start_14_OG [0x0a4]
                                AOCU_NM              5 02-76 00 f7 03 02 0c
2026/10/02  11:58:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  11:58:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  11:58:52.0  XRT_AEC_RESET_448_OG [0x1c0]
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                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  11:58:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  11:58:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  12:01:26.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  12:01:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  12:01:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  12:21:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  12:21:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  12:21:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  12:21:30.0  AOCS_ORe-point_Start_15_OG [0x0a5]
                                        AOCU_NM              5 02-76 00 ee 25 02 0c
2026/10/02  12:21:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  12:21:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  12:21:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  12:21:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  12:21:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  12:24:26.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  12:24:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  12:24:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  12:44:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  12:44:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  12:44:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  12:44:30.0  AOCS_ORe-point_Start_16_OG [0x0a6]
                                        AOCU_NM              5 02-76 00 e5 40 02 0c
2026/10/02  12:44:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  12:44:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  12:44:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  12:44:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  12:44:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  12:47:26.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  12:47:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  12:47:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  13:07:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  13:07:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  13:07:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  13:07:30.0  AOCS_ORe-point_Start_17_OG [0x0a7]
                                        AOCU_NM              5 02-76 00 dc 5b 02 0c
2026/10/02  13:07:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  13:07:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  13:07:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  13:07:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  13:07:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  13:10:26.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  13:10:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  13:10:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  13:30:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  13:30:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  13:30:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  13:30:30.0  AOCS_ORe-point_Start_18_OG [0x0a8]
                                        AOCU_NM              5 02-76 00 d3 75 02 0c
2026/10/02  13:30:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
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2026/10/02  13:30:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  13:30:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  13:30:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  13:30:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  13:33:26.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  13:33:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  13:33:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  13:53:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  13:53:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  13:53:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  13:53:30.0  AOCS_ORe-point_Start_19_OG [0x0a9]
                                AOCU_NM              5 02-76 00 ca 98 02 0c
2026/10/02  13:53:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  13:53:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  13:53:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  13:53:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  13:53:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  13:56:26.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  13:56:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  13:56:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  14:16:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  14:16:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  14:16:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  14:16:30.0  AOCS_ORe-point_Start_20_OG [0x0aa]
                                AOCU_NM              5 02-76 00 c1 b3 02 0c
2026/10/02  14:16:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  14:16:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  14:16:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  14:16:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  14:16:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  14:19:26.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  14:19:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  14:19:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  14:39:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  14:39:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  14:39:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  14:39:30.0  AOCS_ORe-point_Start_21_OG [0x0ab]
                                AOCU_NM              5 02-76 00 b8 cd 02 0c
2026/10/02  14:39:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  14:39:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  14:39:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  14:39:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  14:39:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  14:42:26.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  14:42:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  14:42:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  15:02:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  15:02:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  15:02:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  15:02:30.0  AOCS_ORe-point_Start_22_OG [0x0ac]
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                                    AOCU_NM              5 02-76 00 af e8 02 0c
2026/10/02  15:02:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  15:02:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  15:02:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  15:02:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  15:02:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  15:05:26.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2026/10/02  15:05:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  15:05:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  15:25:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  15:25:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  15:25:28.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                    XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2026/10/02  15:25:30.0  AOCS_ORe-point_Start_23_OG [0x0ad]
                                    AOCU_NM              5 02-76 03 03 e7 02 0c
2026/10/02  15:25:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  15:25:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  15:25:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  15:25:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  15:25:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  15:28:26.0  XRT_QT_PROG_SET_425_OG [0x1a9]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2026/10/02  15:28:28.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  15:28:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  16:20:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  16:20:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  16:20:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  16:20:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/02  16:23:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  16:33:30.0  XRT_Custom_430_OG [0x1ae]
2026/10/02  16:34:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  16:37:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  16:37:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  16:37:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  16:37:36.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/02  16:40:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  16:42:30.0  XRT_Custom_430_OG [0x1ae]
2026/10/02  16:43:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  17:19:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  17:19:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  17:19:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/02  17:20:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                    AOCU_NM              5 02-76 00 00 00 00 00
2026/10/02  17:20:18.0  XRT_FLD_DIS_409_OG [0x199]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2026/10/02  17:20:20.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2026/10/02  17:20:22.0  XRT_ARS_DIS_435_OG [0x1b3]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  17:22:58.0  XRT_QT_PROG_SET_404_OG [0x194]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 11
2026/10/02  17:23:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  17:29:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  17:29:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  17:29:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                    XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2026/10/02  17:30:00.0  AOCS_ORe-point_Start_24_OG [0x0ae]
                                    AOCU_NM              5 02-76 00 f3 c7 b0 73
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2026/10/02  17:30:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  17:30:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  17:30:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  17:30:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  17:30:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  17:32:56.0  XRT_QT_PROG_SET_425_OG [0x1a9]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2026/10/02  17:32:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  17:33:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  17:55:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  17:55:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  17:55:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  17:55:36.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/02  17:58:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  18:19:00.0  XRT_Custom_430_OG [0x1ae]
2026/10/02  18:20:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  19:32:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  19:32:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  19:32:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  19:32:36.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/02  19:35:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  19:55:30.0  XRT_Custom_430_OG [0x1ae]
2026/10/02  19:56:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  21:09:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  21:09:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  21:09:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  21:09:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/02  21:12:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  21:32:30.0  XRT_Custom_430_OG [0x1ae]
2026/10/02  21:33:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  22:46:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  22:46:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  22:46:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  22:46:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/02  22:49:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/02  23:08:30.0  XRT_Custom_430_OG [0x1ae]
2026/10/02  23:09:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/02  23:29:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  23:29:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/02  23:29:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2026/10/02  23:30:00.0  AOCS_ORe-point_Start_23_OG [0x0ad]
                                AOCU_NM              5 02-76 03 03 e7 02 0c
2026/10/02  23:30:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/02  23:30:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/02  23:30:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/02  23:30:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/02  23:30:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/02  23:32:56.0  XRT_QT_PROG_SET_425_OG [0x1a9]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2026/10/02  23:32:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/02  23:33:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/03  00:23:30.0  XRT_CTRL_MANU_400_OG [0x190]
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                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  00:23:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  00:23:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/03  00:23:36.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/03  00:26:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/03  00:37:00.0  XRT_Custom_430_OG [0x1ae]
2026/10/03  00:38:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/03  01:53:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  01:53:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  01:53:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/03  01:53:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/03  01:56:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/03  02:06:00.0  XRT_Custom_430_OG [0x1ae]
2026/10/03  02:07:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/03  03:22:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  03:22:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  03:22:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/03  03:22:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/03  03:25:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/03  03:42:00.0  XRT_Custom_430_OG [0x1ae]
2026/10/03  03:43:00.5  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/03  03:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  03:59:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  03:59:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/03  04:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2026/10/03  04:00:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/03  04:00:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/03  04:00:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/03  04:00:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/03  04:00:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/03  04:02:56.0  XRT_QT_PROG_SET_436_OG [0x1b4]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 03
2026/10/03  04:02:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/03  04:03:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/03  04:49:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  04:49:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  04:49:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/03  04:49:36.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/03  04:52:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/03  05:19:00.0  XRT_Custom_430_OG [0x1ae]
2026/10/03  05:20:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/03  06:00:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  06:00:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  06:00:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2026/10/03  06:01:18.0  XRT_FLD_DIS_409_OG [0x199]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2026/10/03  06:01:20.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2026/10/03  06:01:22.0  XRT_ARS_DIS_435_OG [0x1b3]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/03  06:03:58.0  XRT_QT_PROG_SET_404_OG [0x194]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 11
2026/10/03  06:04:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/03  06:10:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
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2026/10/03  06:10:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  06:10:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2026/10/03  06:11:00.0  AOCS_ORe-point_Start_23_OG [0x0ad]
                                AOCU_NM              5 02-76 03 03 e7 02 0c
2026/10/03  06:11:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2026/10/03  06:11:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2026/10/03  06:11:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2026/10/03  06:11:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2026/10/03  06:11:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/03  06:13:56.0  XRT_QT_PROG_SET_425_OG [0x1a9]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2026/10/03  06:13:58.0  XRT_FL_PROG_SET_439_OG [0x1b7]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0e
2026/10/03  06:14:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/03  06:29:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  06:29:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  06:29:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/03  06:29:36.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/03  06:32:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/03  06:56:30.0  XRT_Custom_430_OG [0x1ae]
2026/10/03  06:57:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/03  08:09:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  08:09:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  08:09:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/03  08:09:36.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/03  08:12:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/03  08:33:30.0  XRT_Custom_430_OG [0x1ae]
2026/10/03  08:34:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/03  09:49:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  09:49:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  09:49:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/03  09:49:06.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/03  09:52:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/03  10:09:00.0  XRT_Custom_430_OG [0x1ae]
2026/10/03  10:10:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2026/10/03  11:30:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  11:30:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  11:30:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2026/10/03  11:30:36.0  XRT_PREFLR_STRT_421_OG [0x1a5]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2026/10/03  11:33:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2026/10/03  12:01:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2026/10/03  12:02:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
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