

# XRT Timeline to be uploaded on 2026/06/02

Period: 2026/06/02 11:24:00 - 2026/06/11 11:15:00

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Normal mode

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## XOB #1D11: HOP480 - Filter-Ratio with thin-Be and Med-Be (short) with PFB, 384x384 at 1064 1048, with G-band (1ms/1ms VLS=CLS), 60 cad

Term	Pointing (x, y)	Comment
06/02 11:37:00 - 06/02 12:18:30	Track ( -30.7, 164.8) @ 06/02 11:34:00	AR 14455 obs
06/02 18:19:00 - 06/03 03:59:54	Track ( 28.8, 164.2) @ 06/02 18:16:00	AR 14455 obs
06/03 05:47:00 - 06/03 17:44:30	Track ( 129.8, 163.2) @ 06/03 05:44:00	AR 14455 obs
06/03 18:35:00 - 06/04 03:25:00	Track ( 240.4, 162.0) @ 06/03 18:32:00	AR 14455 obs
06/04 06:17:30 - 06/04 12:59:54	Track ( 338.1, 160.8) @ 06/04 06:14:30	AR 14455 obs
06/04 18:54:30 - 06/05 03:56:00	Track ( 432.9, 159.6) @ 06/04 18:10:00	AR 14455 obs
06/05 06:36:30 - 06/05 18:02:24	Track ( 524.5, 158.5) @ 06/05 06:29:30	AR 14455 obs
06/05 18:15:30 - 06/06 03:59:54	Track ( 604.5, 157.5) @ 06/05 18:12:30	AR 14455 obs
06/06 05:44:00 - 06/06 17:41:30	Track ( 675.1, 156.6) @ 06/06 05:41:00	AR 14455 obs
06/06 18:32:00 - 06/07 03:22:00	Track ( 743.8, 155.8) @ 06/06 18:29:00	AR 14455 obs

**PROG= 18 Inf.-time(s)**

- Subr= 1 1-time(s) 10.0sec
  - Seqn= 1 2-time(s) 5.0sec
    - thin-Be/Open thin-Be/Open close Safe Dark 1.00s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
- Subr= 2 240-time(s) 60.0sec
  - Seqn= 61 1-time(s) 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= 28 1-time(s) 2.0sec
    - thin-Be/Open med-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 3 2.0sec
    - med-Be/Open Open/thick-Al close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 3 2.0sec
- Subr= 3 240-time(s) 60.0sec
  - Seqn= 61 1-time(s) 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= 28 1-time(s) 2.0sec
    - thin-Be/Open med-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 3 2.0sec
    - med-Be/Open Open/thick-Al close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 3 2.0sec

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

## XOB #1CDF: HOP81/206 1-filter - Al/poly 6s, 60s cadence, G-band - 384x384 1ms

Term	Pointing (x, y)	Comment
06/02 13:03:00 - 06/02 18:05:54	Fixed ( -19.0, -988.0)	HOP 81 Day 1 S-pole
06/04 13:03:00 - 06/04 17:59:54	Fixed ( -19.0, 832.0)	HOP 81 Day 2 N-pole

**PROG= 17 Inf.-time(s)**

- Subr= 1 1-time(s) 2.0sec
  - Seqn= 16 2-time(s) 2.0sec
    - Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
- Subr= 2 1-time(s) 2.0sec
  - Seqn= 90 1-time(s) 30.0sec
    - Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec
- Subr= 3 60-time(s) 60.0sec
  - Seqn= 24 1-time(s) 30.0sec
    - Al-poly/Open Al-poly/Open close Safe Norm 5.66s Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec

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

## XOB #1CF0: Synoptic 8 Filter w/ Al-mesh(5/128/723), Al-poly(12/181/1443), Thin-Be(33/512/4096), Thick-Be(65536), Med-Al(512/8192/32768), Med-Be(128/575)

Term	Pointing (x, y)	Comment
06/02 18:09:00 - 06/02 18:15:54	Fixed ( 0.0, 0.0)	synoptic, shifted 6.0 min
06/03 05:34:00 - 06/03 05:43:54	Fixed ( 0.0, 0.0)	HOP 439 + synoptic, shifted -26.0 min
06/03 18:25:00 - 06/03 18:31:54	Fixed ( 0.0, 0.0)	synoptic, shifted 22.0 min
06/04 05:45:00 - 06/04 06:14:24	Fixed ( 0.0, 0.0)	HOP 349 + synoptic, shifted 4.5 min
06/04 18:03:00 - 06/04 18:09:54	Fixed ( 0.0, 0.0)	synoptic
06/05 06:17:00 - 06/05 06:29:24	Fixed ( 0.0, 0.0)	HOP 349 + synoptic, shifted 19.5 min
06/05 18:05:30 - 06/05 18:12:24	Fixed ( 0.0, 0.0)	synoptic, shifted 2.5 min
06/06 05:29:00 - 06/06 05:40:54	Fixed ( 0.0, 0.0)	HOP 349 + synoptic, shifted -29.0 min
06/06 18:22:00 - 06/06 18:28:54	Fixed ( 0.0, 0.0)	synoptic, shifted 19.0 min
06/07 05:43:00 - 06/07 05:57:00	Fixed ( 0.0, 0.0)	HOP 349 + synoptic, shifted 1.0 min

**PROG= 15 1-time(s)**

- Subr= 1 1-time(s) 2.0sec
  - Seqn= 5 1-time(s) 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec
  - Seqn= 26 1-time(s) 2.0sec
    - Open/Al-mesh Open/Al-mesh close Safe Norm 5ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - Open/Al-mesh Open/Al-mesh close Safe Norm 125ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - Open/Al-mesh Open/Al-mesh close Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec

<b>Seqn= 15 1-time(s) 2.0sec</b>										
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	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
<b>Seqn= 83 1-time(s) 2.0sec</b>										
thin-Be/Open	thin-Be/Open	close	Safe	Norm	32ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
<b>Seqn= 23 1-time(s) 4.0sec</b>										
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
<b>Subr= 2 1-time(s) 2.0sec</b>										
<b>Seqn= 65 1-time(s) 2.0sec</b>										
Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
<b>Seqn= 17 1-time(s) 2.0sec</b>										
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
<b>Seqn= 33 1-time(s) 2.0sec</b>										
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
<b>Seqn= 50 1-time(s) 2.0sec</b>										
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0 0 2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer Interval

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

Term	Pointing (x, y)	Comment
06/03 04:03:00 - 06/03 05:30:54	Fixed ( 0.0, 0.0)	HOP 439 + synoptic, shifted -26.0 min
06/04 04:05:00 - 06/04 04:52:30	Fixed ( 0.0, 0.0)	HOP 349 + synoptic, shifted 4.5 min
06/05 04:36:30 - 06/05 05:25:00	Fixed ( 0.0, 0.0)	HOP 349 + synoptic, shifted 19.5 min
06/06 04:03:00 - 06/06 05:25:54	Fixed ( 0.0, 0.0)	HOP 349 + synoptic, shifted -29.0 min
06/07 04:03:00 - 06/07 04:49:30	Fixed ( 0.0, 0.0)	HOP 349 + synoptic, shifted 1.0 min

**PROG= 08 Inf.-time(s)**

<b>Subr= 1 1-time(s) 300.0sec</b>										
<b>Seqn=100 1-time(s) 2.0sec</b>										
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
<b>Seqn= 84 1-time(s) 2.0sec</b>										
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
<b>Seqn= 57 1-time(s) 2.0sec</b>										
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
<b>Seqn= 81 1-time(s) 2.0sec</b>										
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
<b>Subr= 2 9-time(s) 360.0sec</b>										
<b>Seqn= 8 1-time(s) 2.0sec</b>										
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
<b>Seqn= 6 1-time(s) 2.0sec</b>										
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
<b>Seqn= 29 1-time(s) 2.0sec</b>										
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3 0 2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2 0 2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer Interval

\* \* \* \* \* **Flare mode** \* \* \* \* \*

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

Term	Pointing (x, y)	Comment
06/02 11:37:00 - 06/02 12:18:30	Track ( -30.7, 164.8) @ 06/02 11:34:00	AR 14455 obs
06/02 13:03:00 - 06/02 18:05:54	Fixed ( -19.0, -988.0)	HOP 81 Day 1 S-pole
06/02 18:19:00 - 06/03 03:59:54	Track ( 28.8, 164.2) @ 06/02 18:16:00	AR 14455 obs
06/03 04:03:00 - 06/03 05:30:54	Fixed ( 0.0, 0.0)	HOP 439 + synoptic, shifted -26.0 min
06/03 05:47:00 - 06/03 17:44:30	Track ( 129.8, 163.2) @ 06/03 05:44:00	AR 14455 obs
06/03 18:35:00 - 06/04 03:25:00	Track ( 240.4, 162.0) @ 06/03 18:32:00	AR 14455 obs
06/04 04:05:00 - 06/04 04:52:30	Fixed ( 0.0, 0.0)	HOP 349 + synoptic, shifted 4.5 min
06/04 06:17:30 - 06/04 12:59:54	Track ( 338.1, 160.8) @ 06/04 06:14:30	AR 14455 obs
06/04 13:03:00 - 06/04 17:59:54	Fixed ( -19.0, 832.0)	HOP 81 Day 2 N-pole
06/04 18:54:30 - 06/05 03:56:00	Track ( 432.9, 159.6) @ 06/04 18:10:00	AR 14455 obs
06/05 04:36:30 - 06/05 05:25:00	Fixed ( 0.0, 0.0)	HOP 349 + synoptic, shifted 19.5 min

06/05 06:36:30 - 06/05 18:02:24	Track ( 524.5, 158.5)	@ 06/05 06:29:30	AR 14455 obs
06/05 18:15:30 - 06/06 03:59:54	Track ( 604.5, 157.5)	@ 06/05 18:12:30	AR 14455 obs
06/06 04:03:00 - 06/06 05:25:54	Fixed ( 0.0, 0.0)		HOP 349 + synoptic, shifted -29.0 min
06/06 05:44:00 - 06/06 17:41:30	Track ( 675.1, 156.6)	@ 06/06 05:41:00	AR 14455 obs
06/06 18:32:00 - 06/07 03:22:00	Track ( 743.8, 155.8)	@ 06/06 18:29:00	AR 14455 obs
06/07 04:03:00 - 06/07 04:49:30	Fixed ( 0.0, 0.0)		HOP 349 + synoptic, shifted 1.0 min

**PROG= 10 1-time(s)**

- Subr= 1 1-time(s) 2.0sec
  - Seqn= 67 1-time(s) 2.0sec
    - thin-Be/Open med-Be/Open close Safe Norm 1ms Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec
- Subr= 2 1-time(s) 2.0sec
  - Seqn= 59 255-time(s) 5.0sec
    - thin-Be/Open med-Be/Open close Safe Norm 8ms Obs 1x1 384x384 (1024, 1024) Q=95 3 0 2.0sec
    - med-Be/Open Open/thick-AI close Safe Norm 250ms Obs 1x1 384x384 (1024, 1024) Q=95 3 0 2.0sec

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

\* \* \* \* \*

NOT USED

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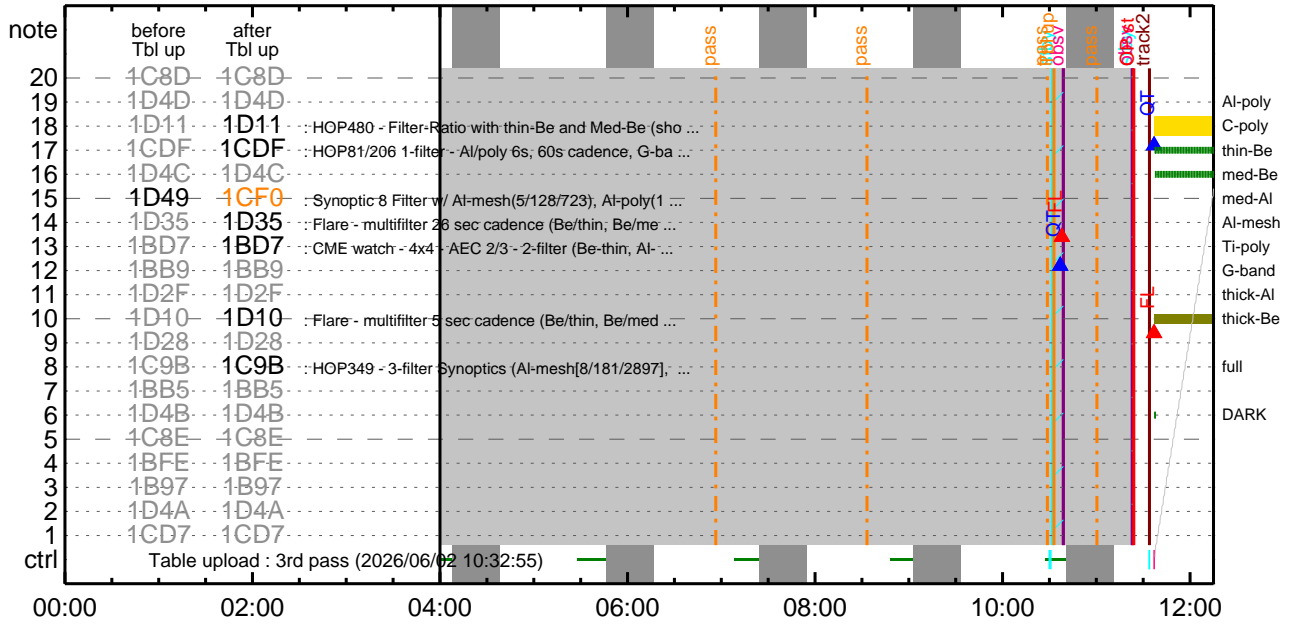
### Flare Detection

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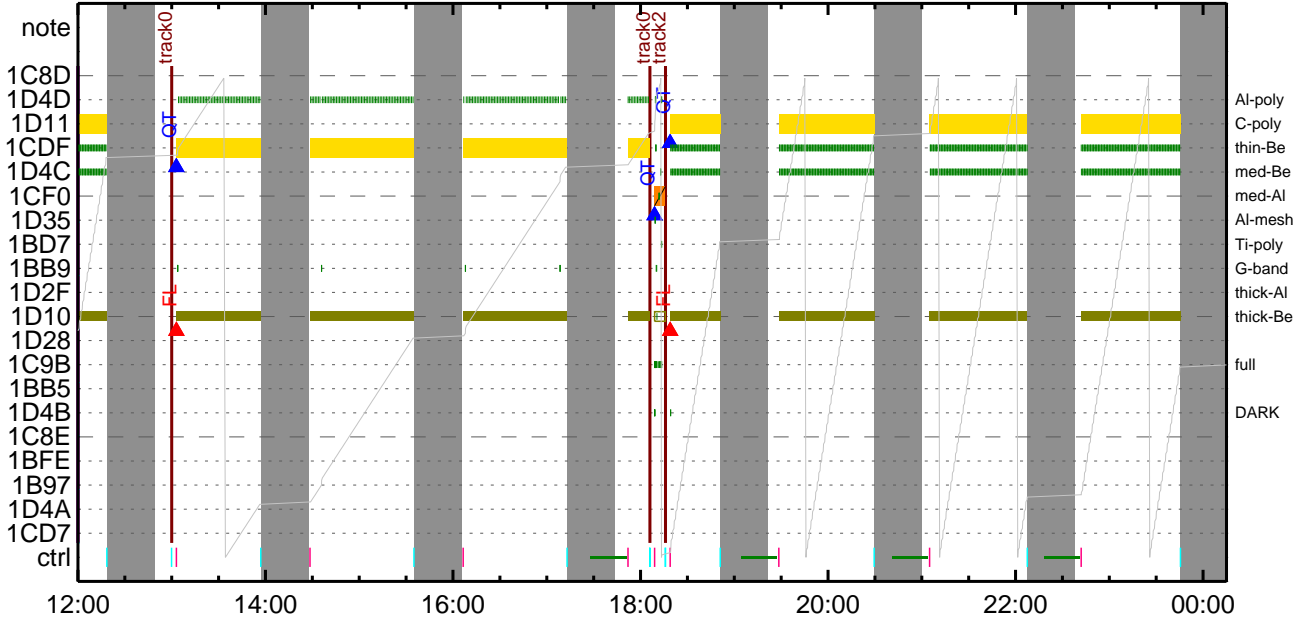
#### FLD Patrol

Term	Pointing (x, y)	Comment
06/02 10:33:55 - 06/02 18:06:18	cannot be identified	
06/02 18:16:18 - 06/03 05:31:18	Track ( 28.8, 164.2) @ 06/02 18:16:00	AR 14455 obs
06/03 05:44:18 - 06/03 18:22:18	Track ( 129.8, 163.2) @ 06/03 05:44:00	AR 14455 obs
06/03 18:32:18 - 06/04 05:42:18	Track ( 240.4, 162.0) @ 06/03 18:32:00	AR 14455 obs
06/04 06:14:48 - 06/04 18:00:18	Track ( 338.1, 160.8) @ 06/04 06:14:30	AR 14455 obs
06/04 18:10:18 - 06/05 06:14:18	Track ( 432.9, 159.6) @ 06/04 18:10:00	AR 14455 obs
06/05 06:33:48 - 06/05 18:02:48	Track ( 524.5, 158.5) @ 06/05 06:29:30	AR 14455 obs
06/05 18:12:48 - 06/06 05:26:18	Track ( 604.5, 157.5) @ 06/05 18:12:30	AR 14455 obs
06/06 05:41:18 - 06/06 18:19:18	Track ( 675.1, 156.6) @ 06/06 05:41:00	AR 14455 obs
06/06 18:29:18 - 06/07 05:40:18	Track ( 743.8, 155.8) @ 06/06 18:29:00	AR 14455 obs
AI-poly/Open	AI-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

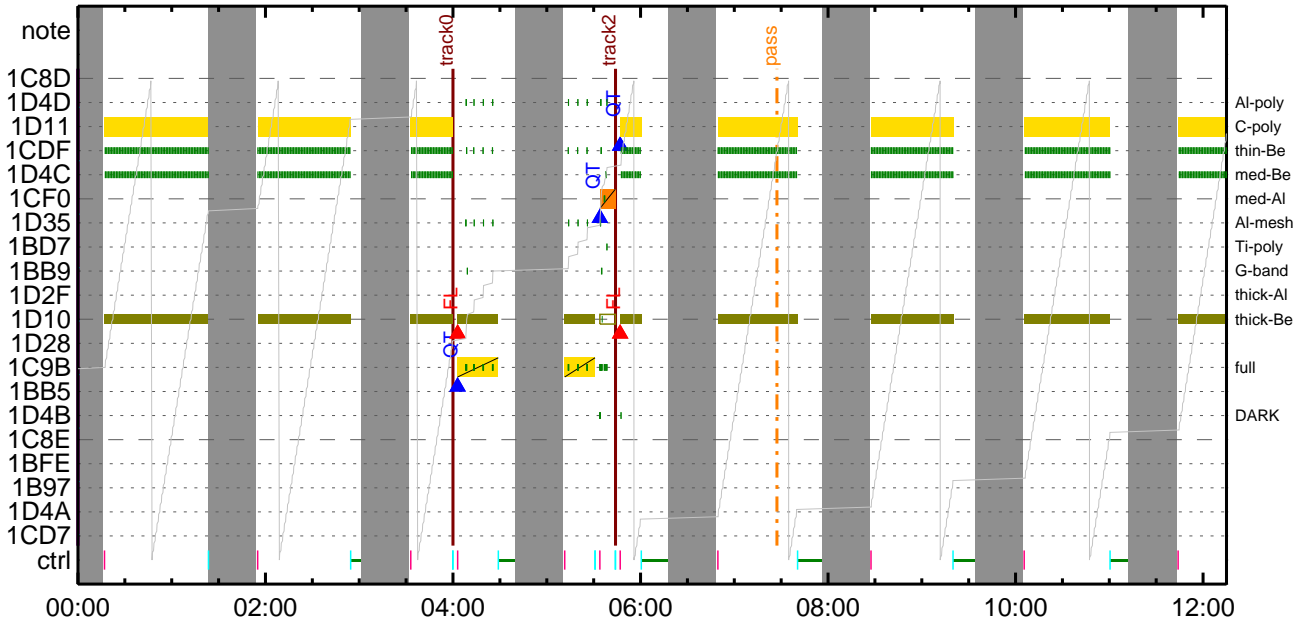
### CMDI #0357 2026/06/02



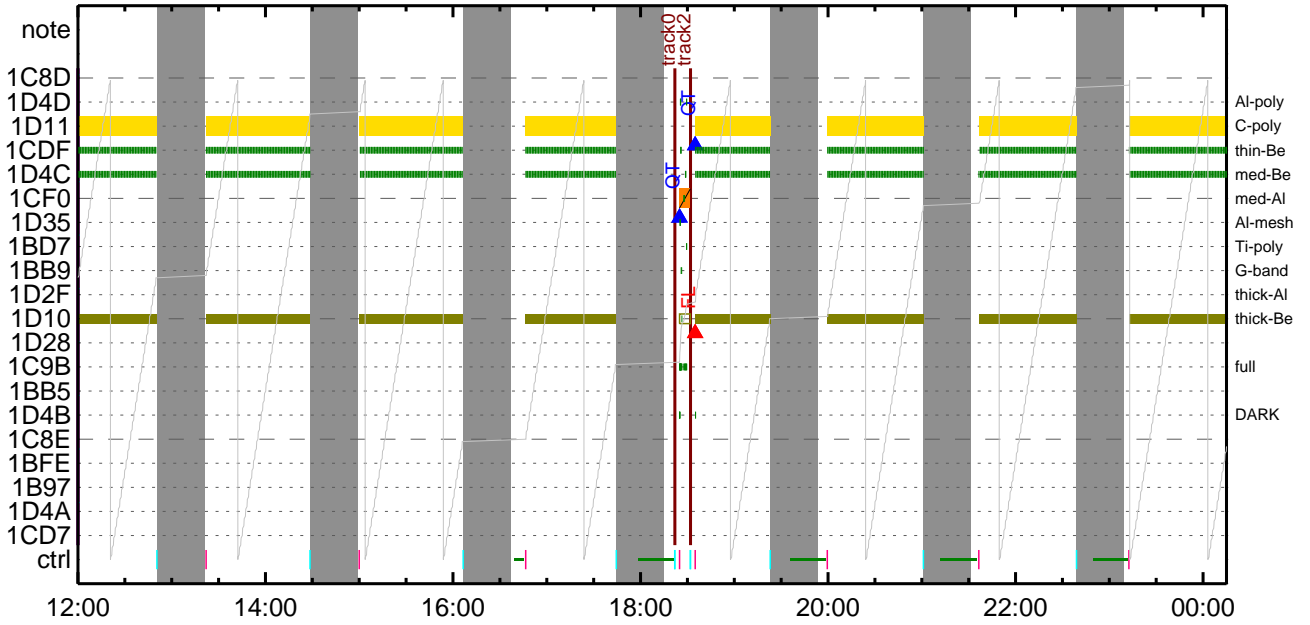
### CMDI #0357 2026/06/02



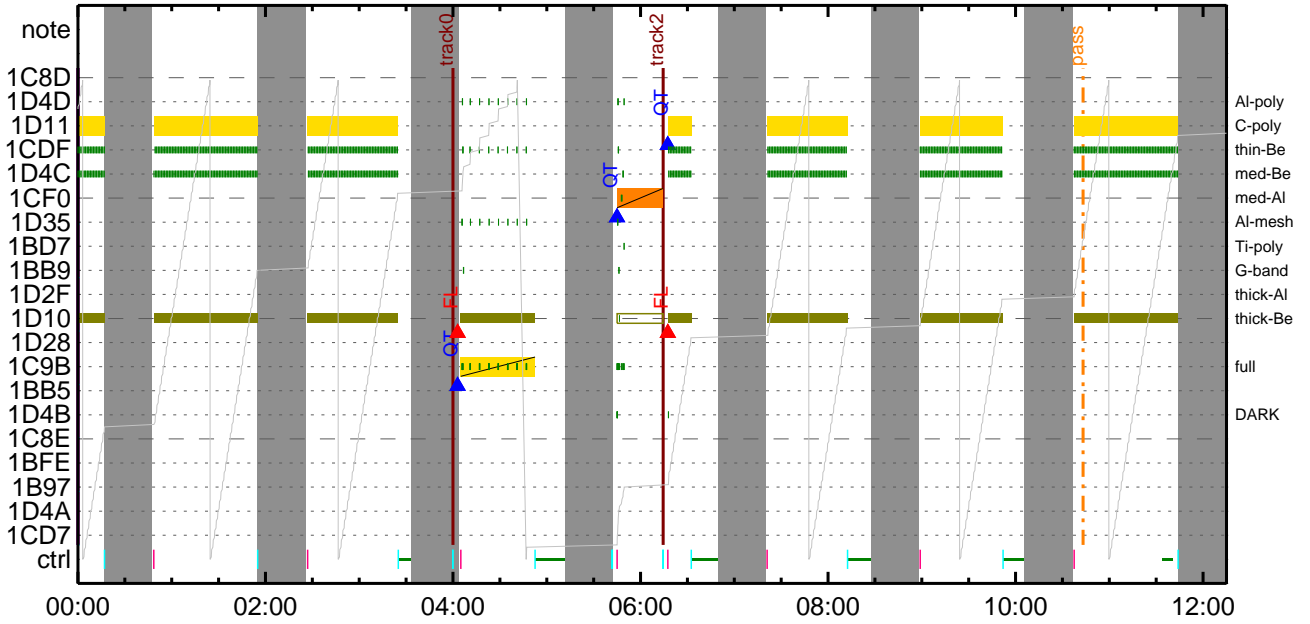
### CMDI #0357 2026/06/03



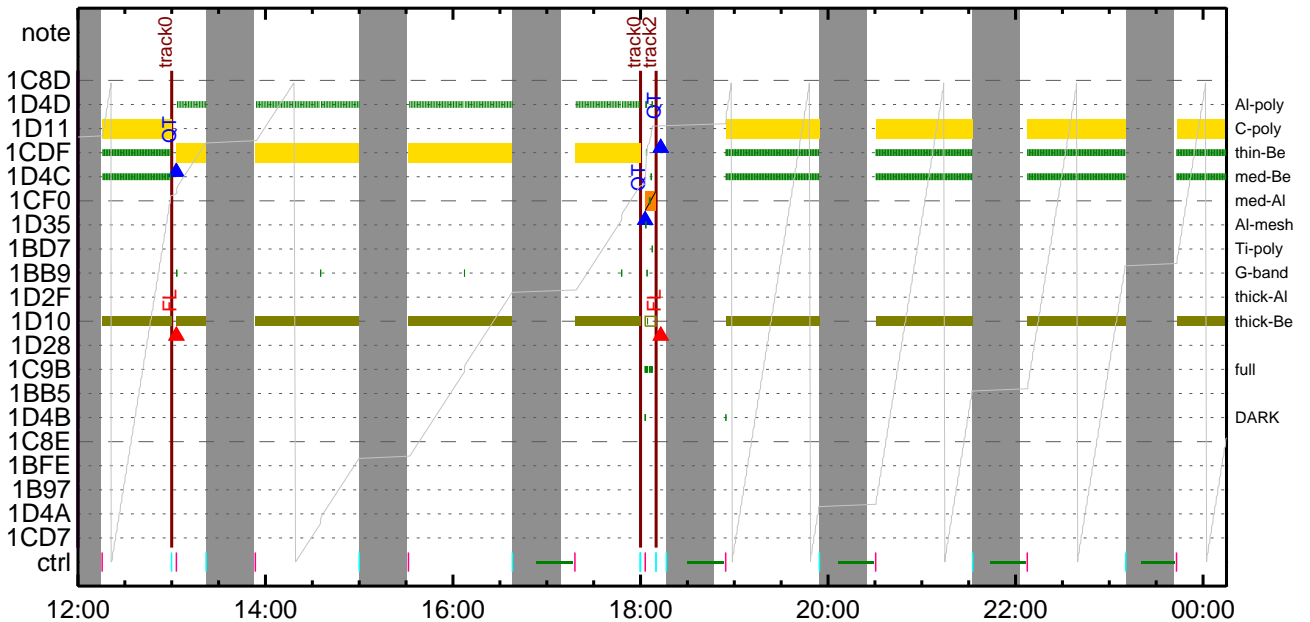
CMDI #0357 2026/06/03



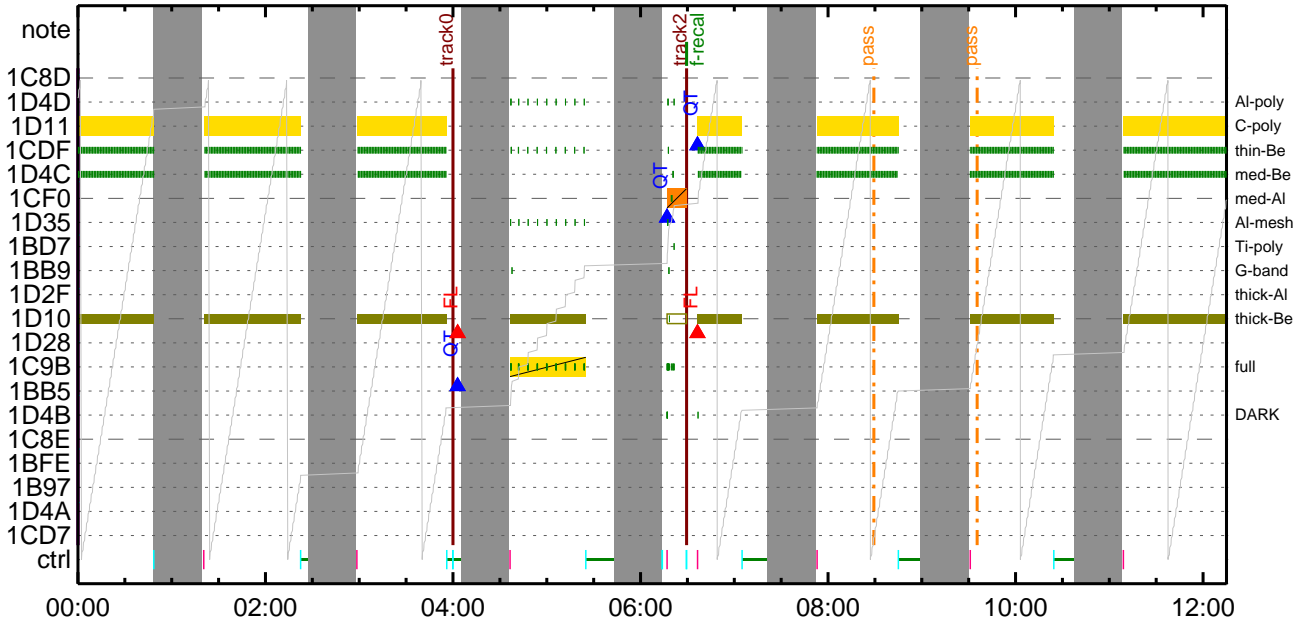
CMDI #0357 2026/06/04



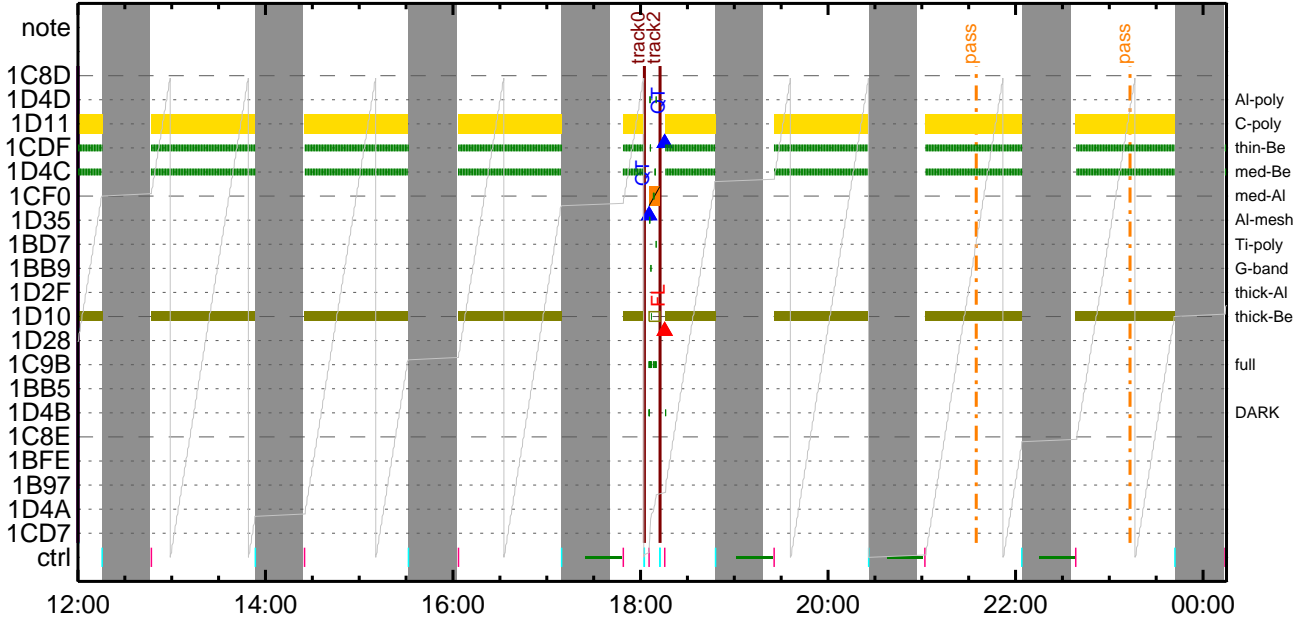
CMDI #0357 2026/06/04



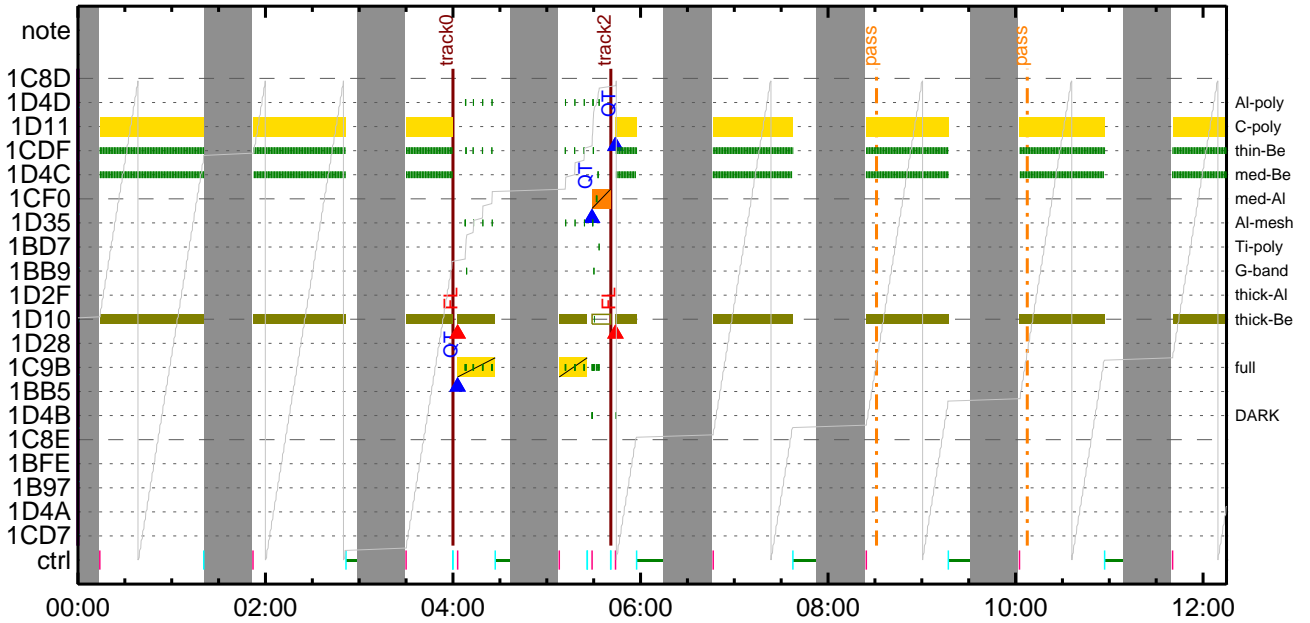
CMDI #0357 2026/06/05



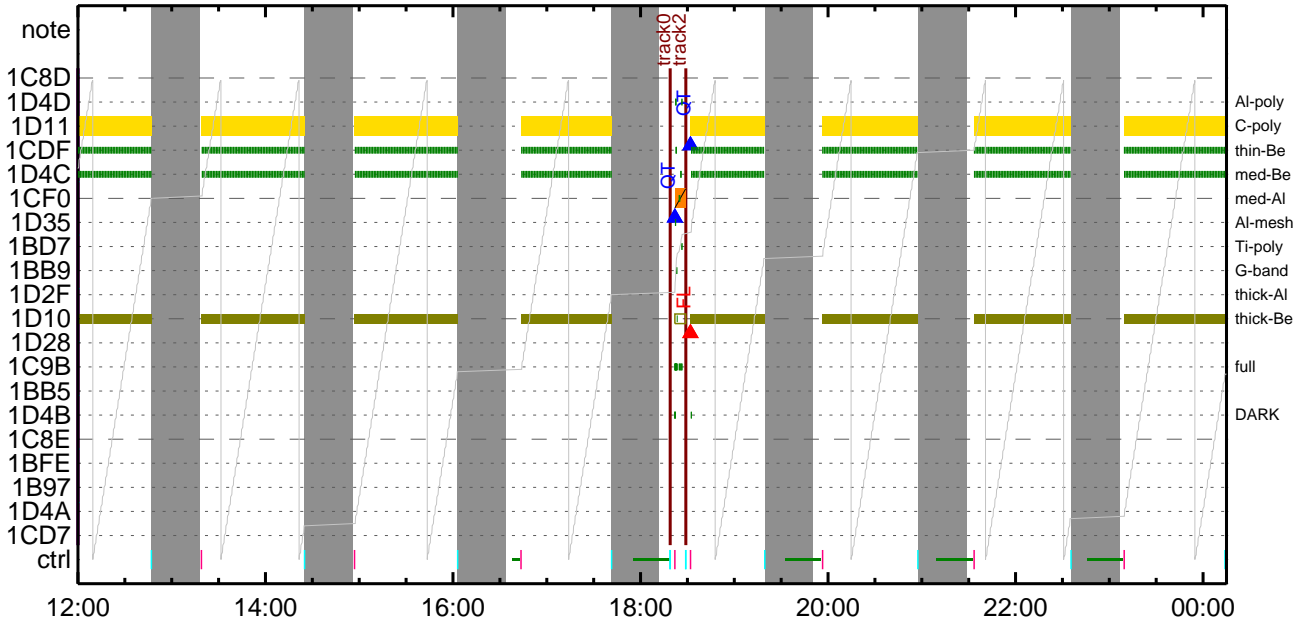
CMDI #0357 2026/06/05



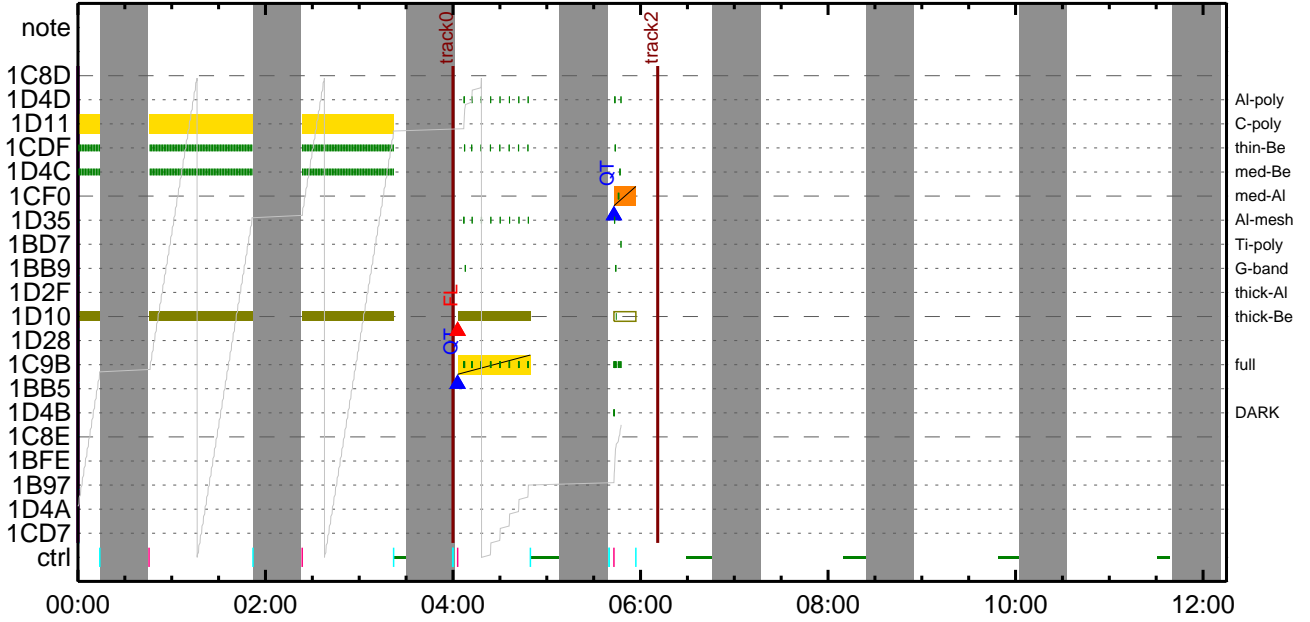
CMDI #0357 2026/06/06



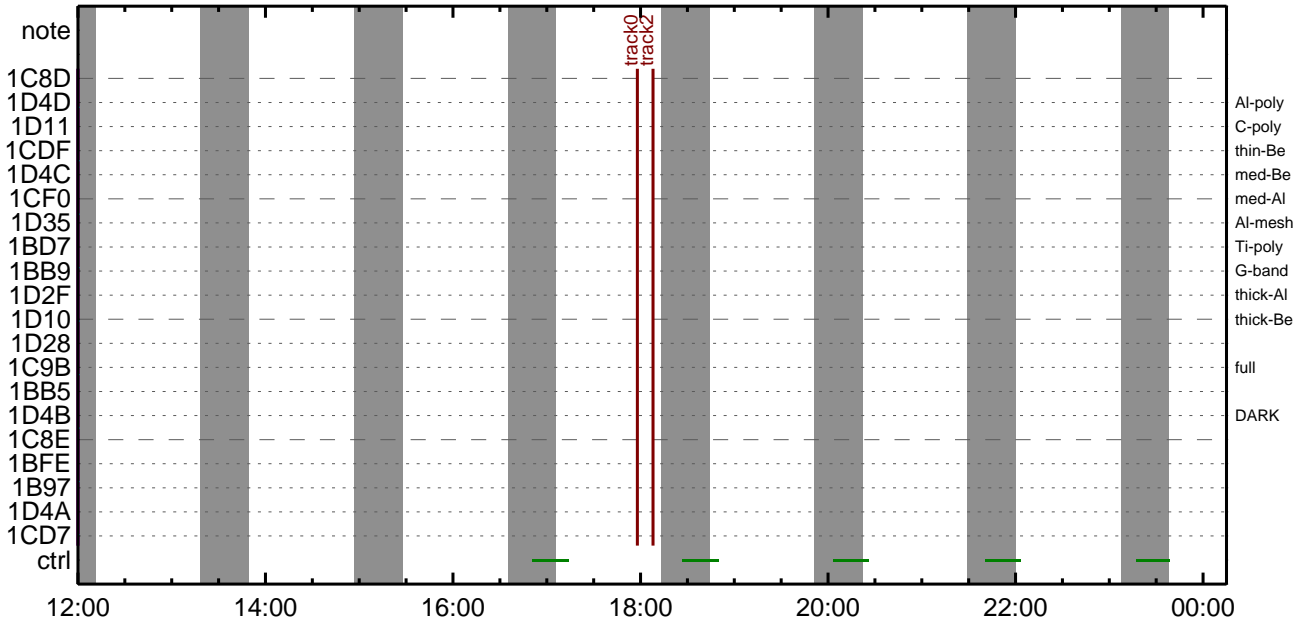
CMDI #0357 2026/06/06



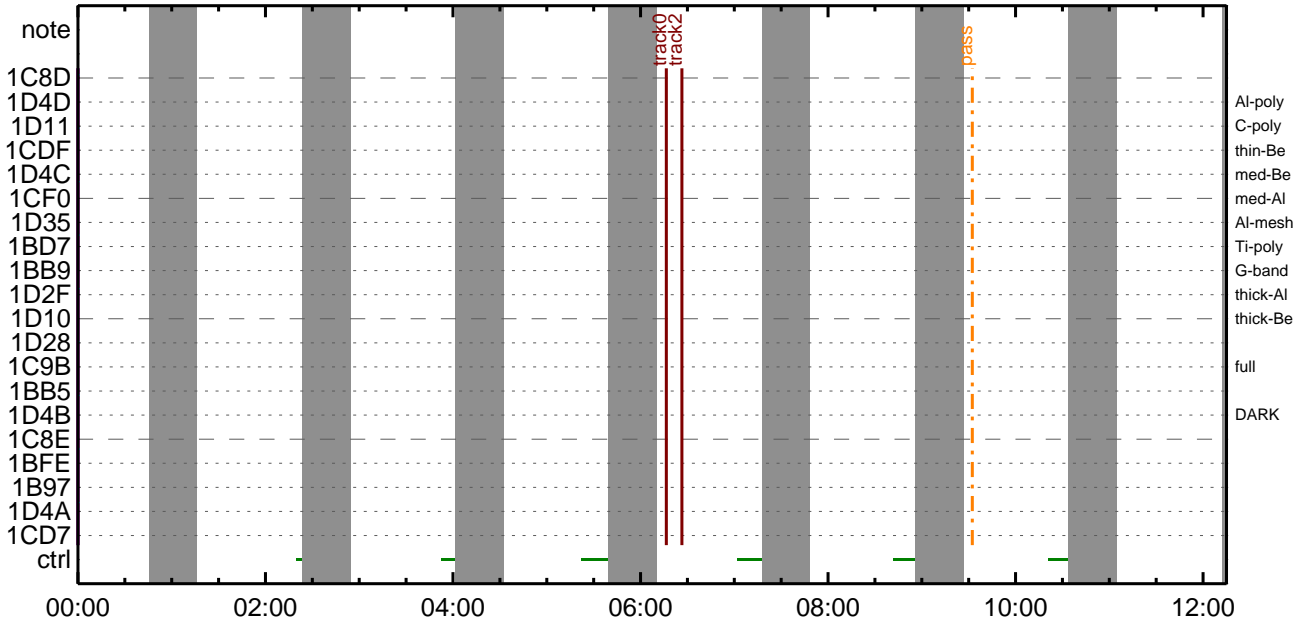
CMDI #0357 2026/06/07



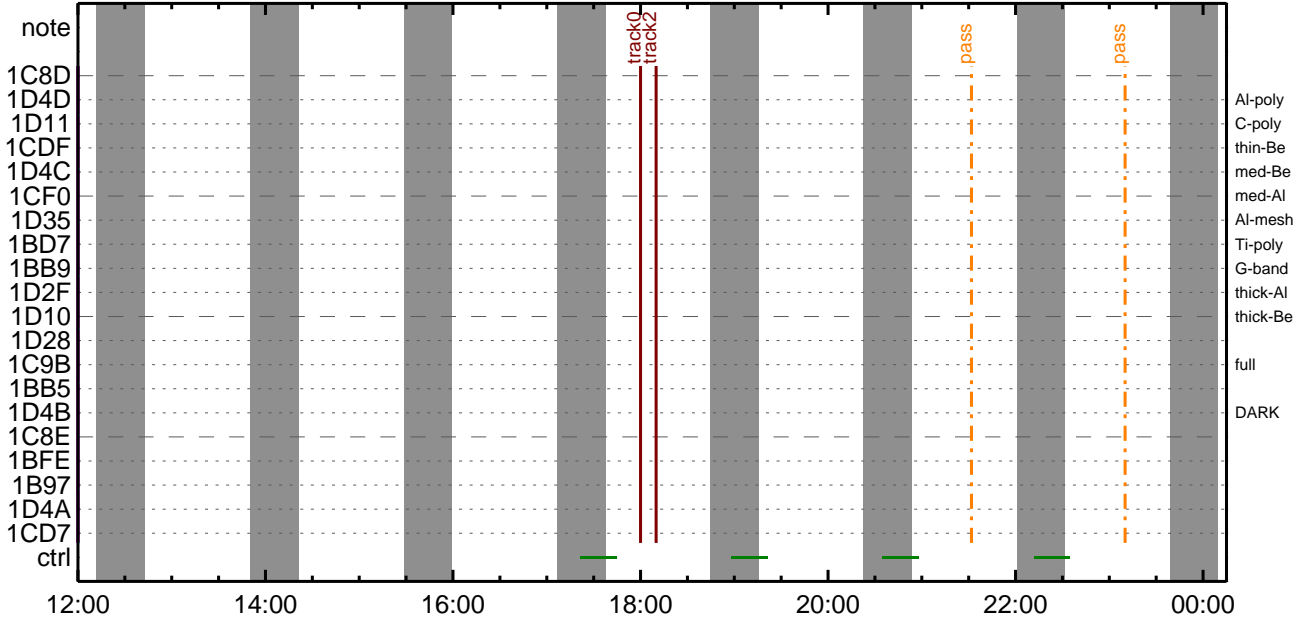
CMDI #0357 2026/06/07



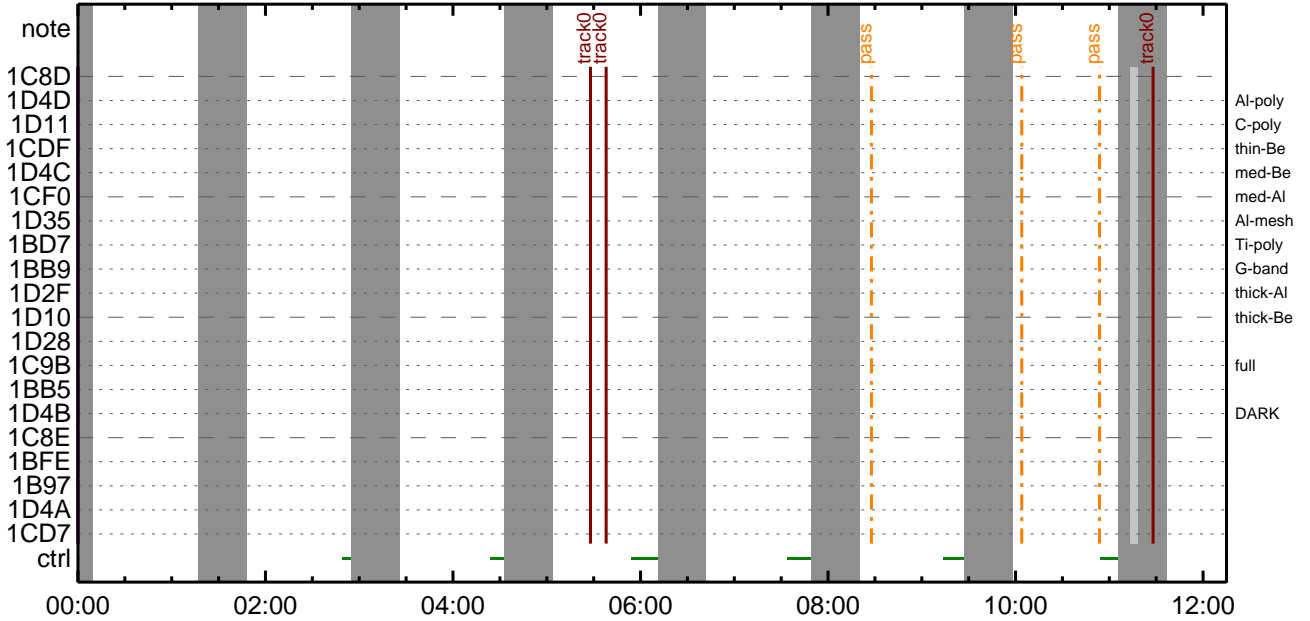
CMDI #0357 2026/06/08



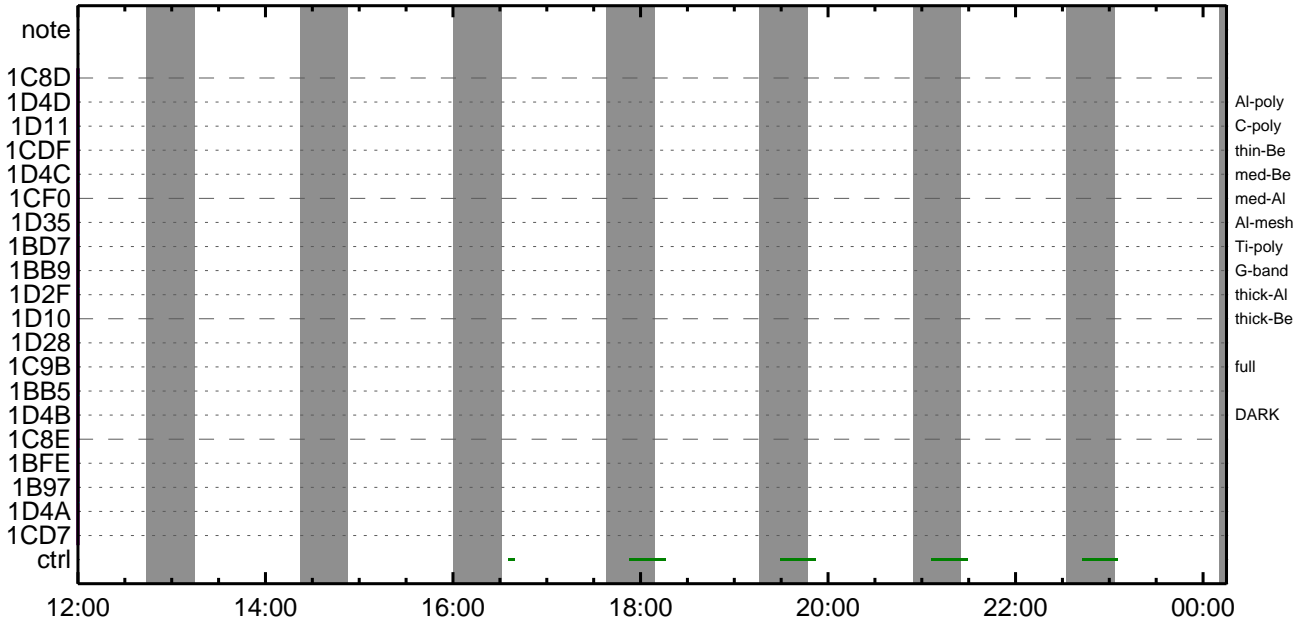
CMDI #0357 2026/06/08



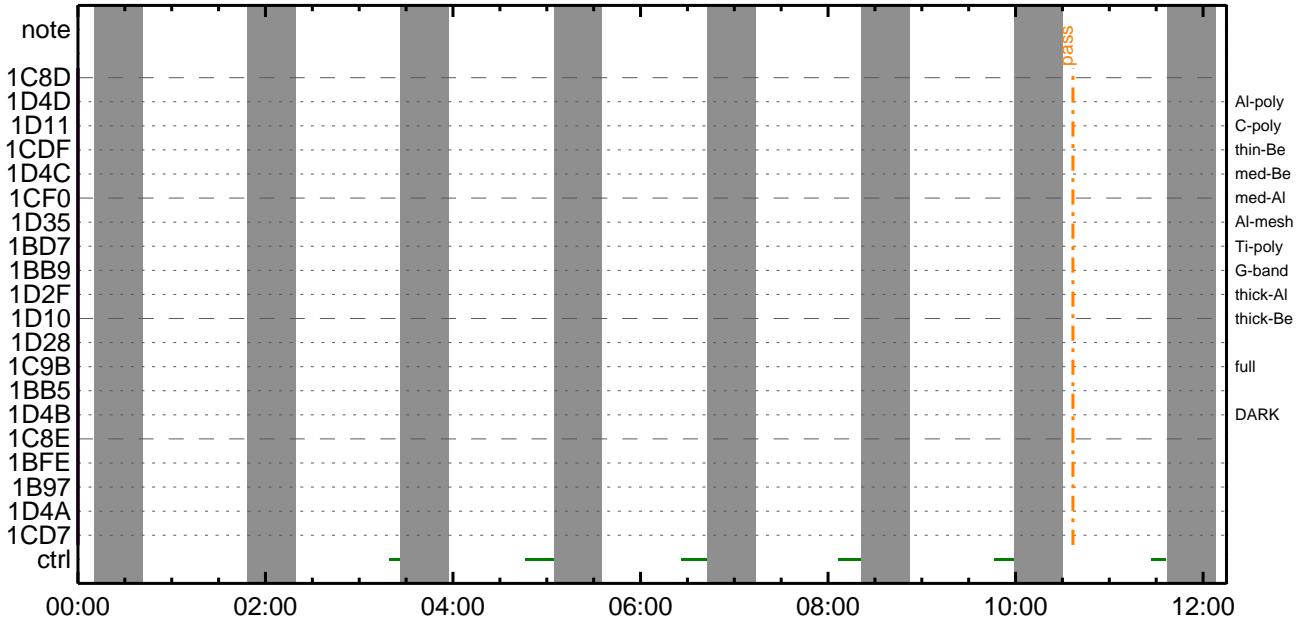
CMDI #0357 2026/06/09



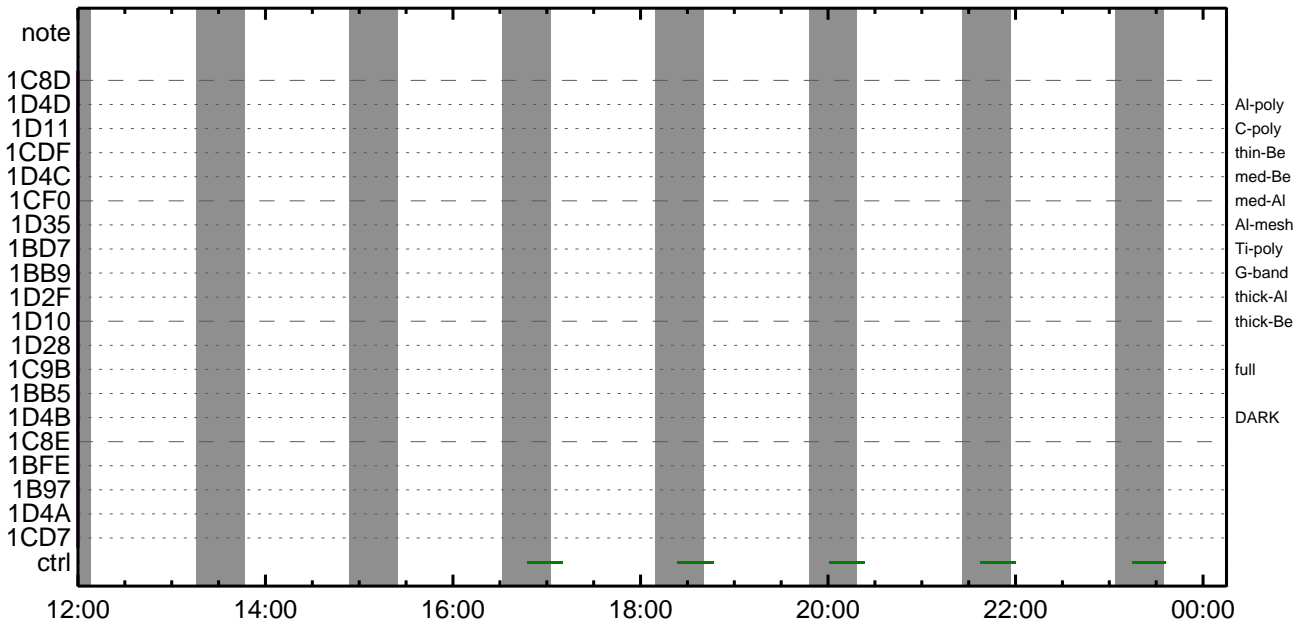
CMDI #0357 2026/06/09



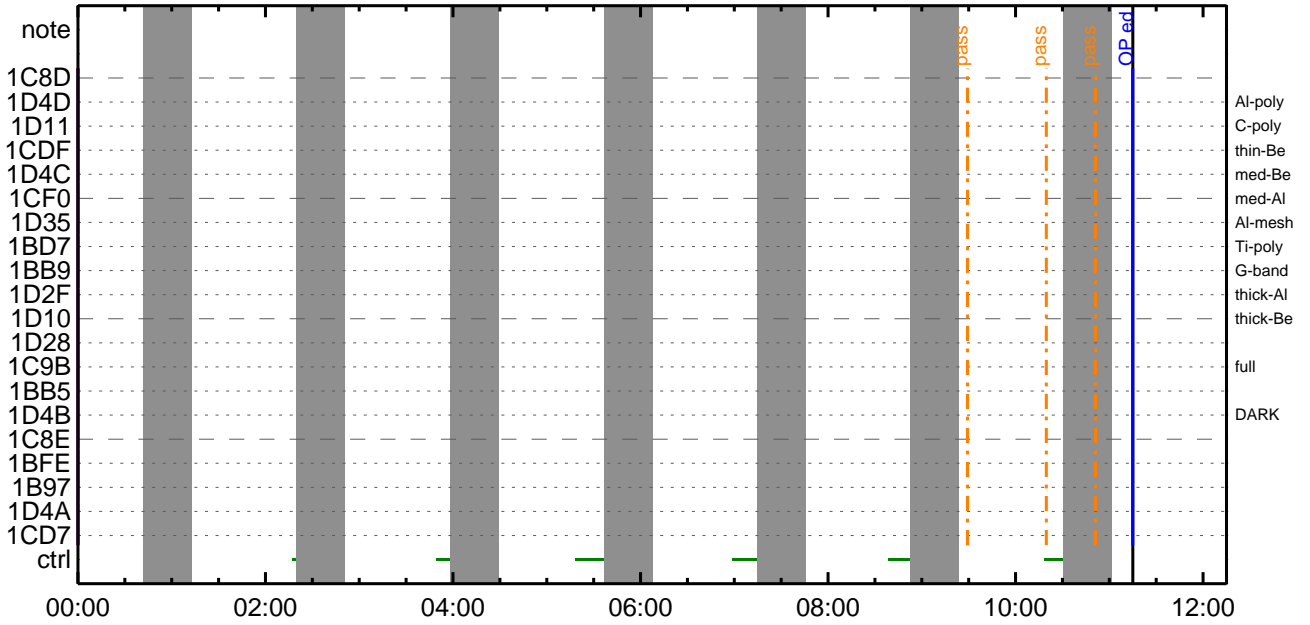
CMDI #0357 2026/06/10



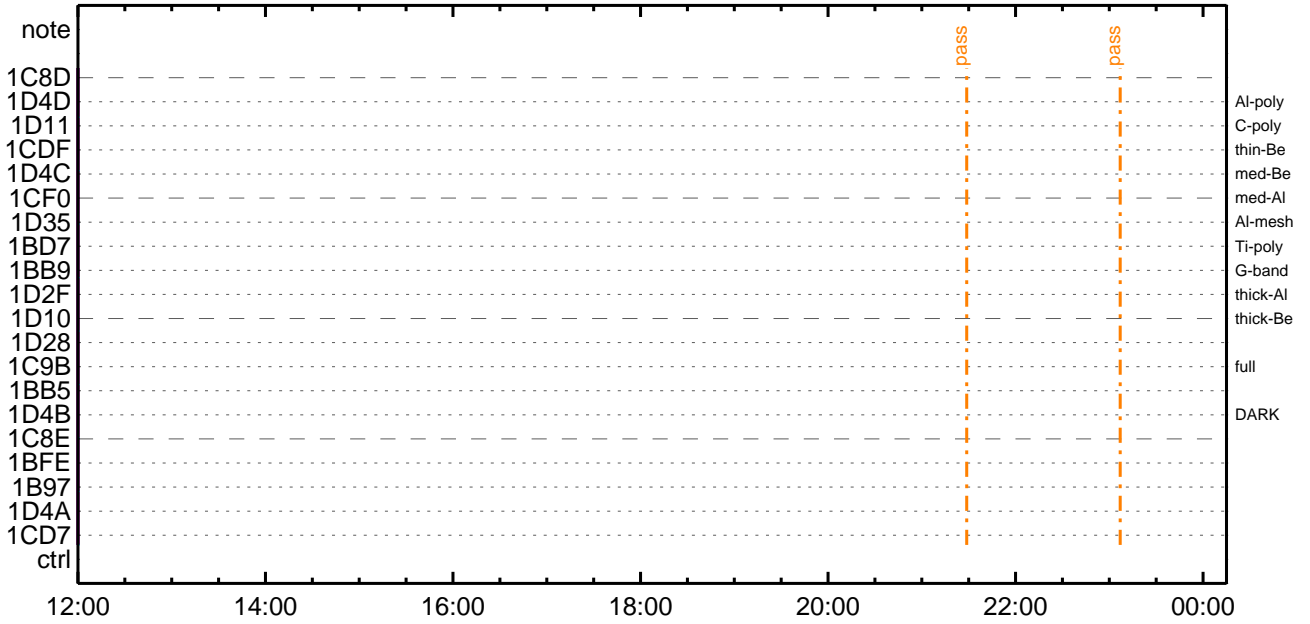
CMDI #0357 2026/06/10



CMDI #0357 2026/06/11



CMDI #0357 2026/06/11



(a) Spacecraft Operation Procedure (real-commands)

```
main-022 2026-06-02 12:50:44 205 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~¼Á»Ü;ä
0005 C.
0006 C. YÁYß;¼Y³YDÝóYÉÁ÷ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;ÈçµÄñ•µ°È»Í×ÁÇñÍYçYÁY×Yí;¼YÉ;ÈÈèµ•íÉ;ÈÈÈ¼°ÇÓñ•ñ;¼i¹çñÍ;çÁ®, ùñ¹èñµñÇÁ÷ç®ñ•ñÈñññ³ñÈ;£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C. *****
0015 C. SOT TI command set
0016 C. *****
0017 C. Execute, after the success of OP upload.
0018 +. TI 2026-06-02 11:23:16.0
0019 DC 07-F0 MDP_SOT_MODE_STBY
0020 BC (41)
0021 C. -----
0022 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0023 C. -----
0024 C. ***** SOT END *****
0025 C. *****
0026 C. OP/OGYí;¼YÉ;|YÁYóY×
0027 C. *****
0028 C.
0029 . C. ;ãOP/OGYí;¼YÉ;ä
0030 . S. OP op-022:OP
0031 ()
0032 . S. OG og-022:OG
0033 ()
0034 C.
0035 . C. ;ãNMOG&OPíî°èYÁYóY×;ä
0036 C. NMOG(0x200000-0x207FFF;$ 32 kbyte)
0037 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0038 BC (20 00 7f 01 02)
0039 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0040 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0041 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0042 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0043 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0044 +. DC 01-22 DHU_MODE_CHNG
0045 BC (07 0b f8)
0046 C. çç[HK1_PKT_FORM_NO] EQ 7
0047 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0048 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0049 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0050 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0051 . C. YÁYóY×½ªî»ñ³ÍÇ$
0052 C. çç[HK1_DMP_CHK_FLG] EQ NON
0053 . C. RAM ID=NMOGñî¾È¹ç•è²ÍOKñ³ÍÇ$
0054 C.
0055 C. NMOG(0x208000-0x20FFFF;$ 32 kbyte)
0056 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0057 BC (20 80 7f 01 02)
0058 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0059 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0060 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0061 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0062 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0063 +. DC 01-22 DHU_MODE_CHNG
0064 BC (07 0b f8)
0065 C. çç[HK1_PKT_FORM_NO] EQ 7
0066 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0067 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0068 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0069 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0070 . C. YÁYóY×½ªî»ñ³ÍÇ$
0071 C. çç[HK1_DMP_CHK_FLG] EQ NON
0072 . C. RAM ID=NMOGñî¾È¹ç•è²ÍOKñ³ÍÇ$
0073 C.
0074 C. NMOG(0x210000-0x2100FF;$ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0075 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0076 BC (21 00 41 01 02)
0077 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0078 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0079 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0080 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0081 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0082 +. DC 01-22 DHU_MODE_CHNG
0083 BC (07 0b f8)
0084 C. çç[HK1_PKT_FORM_NO] EQ 7
0085 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0086 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0087 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0088 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0089 . C. YÁYóY×½ªî»ñ³ÍÇ$
0090 C. çç[HK1_DMP_CHK_FLG] EQ NON
0091 . C. RAM ID=NMOG, RAM ID=OPñî¾È¹ç•è²ÍOKñ³ÍÇ$
0092 C.
0093 . C. ***** °È²¼ñÍ¾Á'¶Á°ÈÉ~ñ°Á÷ç® (¾ãµ-YÁYóY×½ªè½çñ³ÁÓÁñç½ªñ³ñè¾í¹çççñ) *****
0094 C. DHUYá;¼YÉ;ÈY½.Yí;¼YÉ;ÈñóÍán¹
0095 +. DC 01-22 DHU_MODE_CHNG
```



```
0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥Ð¥¹•Ï Daily±;ÍÑ«Ë'Ø«¹«èDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ä
0203 C.
0204 . C. ***** LOS *****
0205 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-023 2026-06-02 12:50:44 94 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSŸÁŸSŸÄŸ~¼Ä»Û;ä
0005 C.
0006 C. ŸÄŸß;¼Ÿ³ŸDŸóŸÉÄ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Ëñ¿ñÄñ•µ°E»Í×ÁÇñÍŸçŸÄŸ×Ÿí;¼ŸÉ;ËËè¿µ•íÍË;ËñÈ¼°ÇÖñ•ñ¿¼í¹ÇñÍ;ÇÄ®, ùñ¹ñèñDñÇÄ÷¿®ñ•ñËñññ³ñÈ;£
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. ***** AOCs Commands (Orbital Element Update) *****
0046 C. Update the orbital element
0047 +. DC 02-50 AOCU_ORB_PRPGT_START
0048 BC (16)
0049 +. DC 02-8E AOCU_ORB_UPD
0050 C.
0051 C. <A_ORB>[ORBIT] EPC = 8096830.6 +- 1.0 (s) [ ]
0052 C.
0053 . C.
0054 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0055 +. DC 07-FC EIS_MODE_CHG_ENA
0056 BC (20)
0057 . C. Verify EIS_MODE_CHG_FLG is ENA
0058 +. DC 07-FC EIS_MODE_MANU
0059 BC (21 02)
0060 . C. Verify EIS in MANUAL mode
0061 . C. Estimated OBSTBL upload time is 1m8s
0062 C. *****
0063 C. EIS START OBSTBL LOAD
0064 C. *****
0065 . S. RAM ram-820:EIS_OBSTBL
0066 ( )
0067 +. DC 07-FC EIS_DUMP_OBSTBL
0068 BC (07 07 07 00 00 70 00)
0069 C.
0070 C. Execute, after the success of OBSTBL upload.
0071 C. Set EIS TI-commands
0072 +. TI 2026-06-02 11:23:50.0
0073 DC 07-FC EIS_MODE_CHG_ENA
0074 BC (20)
0075 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0076 C. *****
0077 C. EIS END OBSTBL LOAD
0078 C. *****
0079 C.
0080 . C. ***** MDP ´ûÄÏñÍ»ó¼ŸñÈÄDñ¹ñèDCBC•×²è *****
0081 C. (¾å°íŸÓŸÄŸËŸDŸŸËŸáŸçŸËñÈ¾¼ññ¼Ä»Ûñ¹ñè)
0082 . S. DC-BC dcbc-402:DCBC
0083 (MDP_known_event)
0084 C.
0085 C.
0086 . C. ***** ŸDŸ¹•Ï Daily±¿ÍñÈ´Øñ¹ñèDCBC•×²è *****
0087 . S. DC-BC dcbc-153:DCBC
0088 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0089 C.
0090 C.
0091 C. ;ãLOSŸÁŸSŸÄŸ~¼Ä»Û;ä
0092 C.
0093 . C. ***** LOS *****
0094 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-024 2026-06-02 12:50:44 132 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~¼Á»Ü;ä
0005 C.
0006 C. YÁY$;¼Y³YD¥óYÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Ë¼¿¼Á¼•µ°Æ»Í×ÁÇ¼ÍYçYÁY×Yí;¼YÉ;ËËè¼µ•íË;Ë¼Ë¼°ÇÖ¼•¼¿¼í¹Ç¼Í;çÁ®, ù¼¹¼è¼D¼ÇÁ÷¿®¼¼•¼Ë¼¼¼³¼È;Ë
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop SP table >
0018 +. DC 07-F0 MDP_SP_CTRL_MANU
0019 BC (61)
0020 C. -----
0021 C. MDP_SP_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload SP Observation Table>
0025 . S. RAM ram-287:MDP_OBS_S
0026 ()
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_S >
0029 +. DC 07-F0 MDP_DUMP_SPTBL
0030 BC (83 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_S verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 C. *****
0036 C. SOT TI command set
0037 C. *****
0038 C. Execute, after the success of TBL upload.
0039 +. TI 2026-06-02 11:23:18.0
0040 DC 07-F0 MDP_SOT_MODE_OBSV
0041 BC (40)
0042 C. -----
0043 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0044 C. -----
0045 C.
0046 C.
0047 C. ***** XRT START *****
0048 C.
0049 +. DC 07-F0 MDP_XRT_CTRL_MANU
0050 BC (c1)
0051 +. DC 07-F0 MDP_XRT_CTRL_MANU
0052 BC (c1)
0053 +. DC 07-F0 MDP_XRT_MODE_STBY
0054 BC (c3)
0055 . C. ----- Success Verify ? OK / NG_____
0056 C.
0057 C. XRT Obs. Table Upload
0058 . S. RAM ram-291:MDP_OBS_X
0059 ()
0060 C.
0061 +. DC 07-F0 MDP_DUMP_XRTTBL
0062 BC (84 07 00 00 00 3a d4)
0063 . C. ----- Comparison Check ? OK / ERR _____
0064 C.
0065 C.
0066 +. DC 07-F0 MDP_XRT_ROI_SET
0067 BC (cd 01 b1 b1 04 04)
0068 +. DC 07-F0 MDP_XRT_ROI_SET
0069 BC (cd 02 b1 b1 08 08)
0070 +. DC 07-F0 MDP_XRT_ROI_SET
0071 BC (cd 03 b1 b1 08 08)
0072 +. DC 07-F0 MDP_XRT_ROI_SET
0073 BC (cd 04 b1 b1 06 06)
0074 +. DC 07-F0 MDP_XRT_ROI_SET
0075 BC (cd 06 80 80 20 20)
0076 +. DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 07 80 80 08 08)
0078 +. DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 08 85 83 06 06)
0080 +. DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 09 80 80 20 08)
0082 +. DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 0a 80 80 08 20)
0084 +. DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 0b 85 83 08 08)
0086 +. DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 0f 80 80 06 06)
0088 +. DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 10 80 80 08 08)
0090 +. DC 07-F0 MDP_XRT_FLD_ENA
0091 BC (d8)
0092 +. DC 07-F0 MDP_XRT_FLRCTRL_ENA
0093 BC (c8)
0094 +. DC 07-F0 MDP_XRT_ARS_DIS
0095 BC (d5)
```



(a) Spacecraft Operation Procedure (real-commands)

```
main-025 2026-06-02 12:50:44 29 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSŸÁŸSŸÃŸ^-¼Ã»Û;ä
0005 C.
0006 C. ŸÀŸß;¼Ÿ³ŸDŸóŸÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. ̂í;Ēñ¿ñĀñ•μ°E»Í×ĀÇñĪŸçŸĀŸ×Ÿí;¼ŸÉ;ĒĒè½μ•īĪĒ;ĒñĒ¼°ÇŌñ•ñ¿¼ī¹ÇñĪ;çĀ®, ùñ¹ñèñDñÇĀ÷¿®ñ•ñĒñññ³ñĒ;£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 . C. ***** MDP 'úĀĪñĪ»ô¼ŸñĒĒñ¹ñèDCBC•×²è *****
0016 C. (¾ā°īŸŌŸĀŸĒŸDŸĒŸĒŸĀŸçŸĒñĒĒ¾ññ¼Ā»Ûñ¹ñè)
0017 . S. DC-BC dcbc-402:DCBC
0018 (MDP_known_event)
0019 C.
0020 C.
0021 . C. ***** ŸDŸ¹•Ī Daily÷¿ĪññĒ'Øñ¹ñèDCBC•×²è *****
0022 . S. DC-BC dcbc-153:DCBC
0023 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0024 C.
0025 C.
0026 . C. ;ãLOSŸÁŸSŸÃŸ^-¼Ã»Û;ä
0027 C.
0028 . C. ***** LOS *****
0029 C.
```

\*\*\* OP Sequence for XRT \*\*\*

```

2026/06/02 11:33:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/06/02 11:33:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/06/02 11:33:58.0 XRT_FOCUS_POSITION_414_OG [0x19e]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2026/06/02 11:34:00.0 AOCs_Ore-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 02 06 0c 01 b2
2026/06/02 11:34:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2026/06/02 11:34:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2026/06/02 11:34:22.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2026/06/02 11:34:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2026/06/02 11:34:26.0 XRT_FLD_RESET_401_OG [0x191]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2026/06/02 11:36:56.0 XRT_QT_PROG_SET_437_OG [0x1b5]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 12
2026/06/02 11:36:58.0 XRT_FL_PROG_SET_441_OG [0x1b9]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 0a
2026/06/02 11:37:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2026/06/02 12:18:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/06/02 12:18:32.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2026/06/02 12:18:34.0 XRT_PREFLR_STRT_410_OG [0x19a]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2026/06/02 12:21:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2026/06/02 12:59:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/06/02 12:59:56.0 XRT_FOCUS_POSITION_414_OG [0x19e]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2026/06/02 13:00:00.0 AOCs_Ore-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 57 ce 01 b2
2026/06/02 13:00:16.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2026/06/02 13:00:18.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2026/06/02 13:00:20.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2026/06/02 13:00:22.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2026/06/02 13:00:24.0 XRT_FLD_RESET_404_OG [0x194]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2026/06/02 13:02:56.0 XRT_QT_PROG_SET_416_OG [0x1a0]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 11
2026/06/02 13:02:58.0 XRT_FL_PROG_SET_441_OG [0x1b9]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 0a
2026/06/02 13:03:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2026/06/02 13:57:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/06/02 13:57:02.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2026/06/02 13:57:04.0 XRT_PREFLR_STRT_410_OG [0x19a]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2026/06/02 14:00:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2026/06/02 14:27:30.0 XRT_Custom_430_OG [0x1ae]
2026/06/02 14:28:30.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2026/06/02 15:35:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/06/02 15:35:02.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2026/06/02 15:35:04.0 XRT_PREFLR_STRT_410_OG [0x19a]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2026/06/02 15:38:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2026/06/02 16:05:30.0 XRT_Custom_430_OG [0x1ae]
2026/06/02 16:06:30.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2026/06/02 17:13:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/06/02 17:13:02.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2026/06/02 17:13:04.0 XRT_PREFLR_STRT_410_OG [0x19a]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2026/06/02 17:16:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2026/06/02 17:51:00.0 XRT_Custom_430_OG [0x1ae]
2026/06/02 17:52:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2026/06/02 18:05:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/06/02 18:05:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1

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2026/06/02	18:05:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2026/06/02	18:06:00.0	AOCs_Orе-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00	00	00	00
2026/06/02	18:06:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2026/06/02	18:06:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2026/06/02	18:06:22.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2026/06/02	18:08:58.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f		
2026/06/02	18:09:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2026/06/02	18:15:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/02	18:15:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/02	18:15:58.0	XRT_FOCUS_POSITION_414_OG [0x19e]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2026/06/02	18:16:00.0	AOCs_Orе-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02	06	0c	01
2026/06/02	18:16:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2026/06/02	18:16:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2026/06/02	18:16:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2026/06/02	18:16:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2026/06/02	18:16:26.0	XRT_FLD_RESET_401_OG [0x191]	MDP_XRT_FLD_RESET	1	07-F0	da			
2026/06/02	18:18:56.0	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	12		
2026/06/02	18:18:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0a		
2026/06/02	18:19:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2026/06/02	18:51:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/02	18:51:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2026/06/02	18:51:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2026/06/02	18:54:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2026/06/02	19:27:31.0	XRT_Custom_430_OG [0x1ae]							
2026/06/02	19:28:31.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2026/06/02	20:29:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/02	20:29:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2026/06/02	20:29:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2026/06/02	20:32:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2026/06/02	21:04:00.0	XRT_Custom_430_OG [0x1ae]							
2026/06/02	21:05:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2026/06/02	22:07:30.5	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/02	22:07:32.5	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2026/06/02	22:07:34.5	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2026/06/02	22:10:44.5	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2026/06/02	22:41:00.0	XRT_Custom_430_OG [0x1ae]							
2026/06/02	22:42:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2026/06/02	23:45:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/02	23:45:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2026/06/02	23:45:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2026/06/02	23:48:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2026/06/03	00:16:00.5	XRT_Custom_430_OG [0x1ae]							
2026/06/03	00:17:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2026/06/03	01:23:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/03	01:23:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2026/06/03	01:23:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2026/06/03	01:26:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2026/06/03	01:54:00.0	XRT_Custom_430_OG [0x1ae]							
2026/06/03	01:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			

2026/06/03	02:54:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/03	02:54:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2026/06/03	02:54:34.0	XRT_PREFLR_STRT_410_OG [0x19a]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2026/06/03	02:57:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2026/06/03	03:32:00.0	XRT_Custom_430_OG [0x1ae]							
2026/06/03	03:33:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2026/06/03	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/03	03:59:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/03	03:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2026/06/03	04:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2026/06/03	04:00:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2026/06/03	04:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2026/06/03	04:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2026/06/03	04:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2026/06/03	04:00:26.0	XRT_FLD_RESET_401_OG [0x191]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2026/06/03	04:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2026/06/03	04:02:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0a				
2026/06/03	04:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2026/06/03	04:29:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/03	04:29:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2026/06/03	04:29:04.0	XRT_PREFLR_STRT_410_OG [0x19a]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2026/06/03	04:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2026/06/03	05:10:30.0	XRT_Custom_430_OG [0x1ae]							
2026/06/03	05:11:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2026/06/03	05:30:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/03	05:30:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/03	05:30:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2026/06/03	05:31:18.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2026/06/03	05:31:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2026/06/03	05:31:22.0	XRT_ARS_DIS_420_OG [0x1a4]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2026/06/03	05:33:58.0	XRT_QT_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f				
2026/06/03	05:34:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2026/06/03	05:43:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/03	05:43:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/03	05:43:58.0	XRT_FOCUS_POSITION_414_OG [0x19e]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2026/06/03	05:44:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02 06 0c 01 b2				
2026/06/03	05:44:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2026/06/03	05:44:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2026/06/03	05:44:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2026/06/03	05:44:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2026/06/03	05:44:26.0	XRT_FLD_RESET_401_OG [0x191]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2026/06/03	05:46:56.0	XRT_QT_PROG_SET_437_OG [0x1b5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2026/06/03	05:46:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0a				
2026/06/03	05:47:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2026/06/03	06:00:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/03	06:00:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2026/06/03	06:00:34.0	XRT_PREFLR_STRT_410_OG [0x19a]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2026/06/03	06:03:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							

2026/06/03	06:48:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/03	06:49:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2026/06/03	07:40:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/03	07:40:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/03	07:40:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/03	07:43:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/03	08:26:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/03	08:27:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2026/06/03	09:20:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/03	09:20:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/03	09:20:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/03	09:23:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/03	10:04:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/03	10:05:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2026/06/03	11:00:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/03	11:00:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/03	11:00:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/03	11:03:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/03	11:03:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/03	11:43:00.0	XRT_Custom_430_OG [0x1ae]				
2026/06/03	11:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2026/06/03	12:50:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/03	12:50:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/03	12:50:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/03	12:53:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/03	12:53:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/03	13:21:00.0	XRT_Custom_430_OG [0x1ae]				
2026/06/03	13:22:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2026/06/03	14:28:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/03	14:28:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/03	14:28:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/03	14:31:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/03	14:31:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/03	14:59:00.0	XRT_Custom_430_OG [0x1ae]				
2026/06/03	15:00:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2026/06/03	16:06:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/03	16:06:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/03	16:06:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/03	16:06:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/03	16:09:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/03	16:45:30.0	XRT_Custom_430_OG [0x1ae]				
2026/06/03	16:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2026/06/03	17:44:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/03	17:44:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/03	17:44:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/03	17:44:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/03	17:47:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/03	18:21:54.0	XRT_CTRL_MANU_402_OG [0x192]				
2026/06/03	18:21:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/03	18:21:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/03	18:21:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2026/06/03	18:22:00.0	AOCS_Ore-point_Start_3_OG [0x099]				
2026/06/03	18:22:18.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00 00 00 00 00
2026/06/03	18:22:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9
2026/06/03	18:22:22.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2026/06/03	18:22:22.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5
2026/06/03	18:24:58.0	XRT_QT_PROG_SET_421_OG [0x1a5]				

2026/06/03	18:25:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_OT_PROG_SET	2	07-F0	c4	0f
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2026/06/03	18:31:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/03	18:31:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/03	18:31:58.0	XRT_FOCUS_POSITION_414_OG [0x19e]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2026/06/03	18:32:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 06 0c 01 b2	
2026/06/03	18:32:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2026/06/03	18:32:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2026/06/03	18:32:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2026/06/03	18:32:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2026/06/03	18:32:26.0	XRT_FLD_RESET_401_OG [0x191]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/03	18:34:56.0	XRT_OT_PROG_SET_437_OG [0x1b5]	MDP_XRT_OT_PROG_SET	2	07-F0	c4 12	
2026/06/03	18:34:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0a	
2026/06/03	18:35:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2026/06/03	19:23:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/03	19:23:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/03	19:23:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2026/06/03	19:26:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2026/06/03	19:58:30.0	XRT_Custom_430_OG [0x1ae]					
2026/06/03	19:59:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2026/06/03	21:01:00.5	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/03	21:01:02.5	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/03	21:01:04.5	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2026/06/03	21:04:14.5	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2026/06/03	21:35:30.0	XRT_Custom_430_OG [0x1ae]					
2026/06/03	21:36:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2026/06/03	22:39:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/03	22:39:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/03	22:39:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2026/06/03	22:42:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2026/06/03	23:11:30.0	XRT_Custom_430_OG [0x1ae]					
2026/06/03	23:12:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2026/06/04	00:17:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/04	00:17:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/04	00:17:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2026/06/04	00:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2026/06/04	00:47:30.0	XRT_Custom_430_OG [0x1ae]					
2026/06/04	00:48:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2026/06/04	01:55:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/04	01:55:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/04	01:55:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2026/06/04	01:58:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2026/06/04	02:26:00.0	XRT_Custom_430_OG [0x1ae]					
2026/06/04	02:27:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2026/06/04	03:25:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/04	03:25:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/04	03:25:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2026/06/04	03:28:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2026/06/04	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/04	03:59:56.0	XRT_CTRL_MANU_402_OG [0x192]					

2026/06/04	03:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	04:00:00.0	AOCS_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2026/06/04	04:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 00 00 00
2026/06/04	04:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2026/06/04	04:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2026/06/04	04:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2026/06/04	04:00:26.0	XRT_FLD_RESET_401_OG [0x191]	MDP_XRT_ARS_DIS	1	07-F0	d5
2026/06/04	04:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/04	04:02:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08
2026/06/04	04:04:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0a
2026/06/04	04:05:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2026/06/04	04:52:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/04	04:52:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	04:52:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/04	04:55:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/04	05:41:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/04	05:41:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	05:41:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	05:42:18.0	XRT_FLD_DIS_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2026/06/04	05:42:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9
2026/06/04	05:42:22.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2026/06/04	05:44:58.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_ARS_DIS	1	07-F0	d5
2026/06/04	05:45:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2026/06/04	06:14:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/04	06:14:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	06:14:28.0	XRT_FOCUS_POSITION_414_OG [0x19e]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	06:14:30.0	AOCS_OrE-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2026/06/04	06:14:48.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	02 06 0c 01 b2
2026/06/04	06:14:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2026/06/04	06:14:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2026/06/04	06:14:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2026/06/04	06:14:56.0	XRT_FLD_RESET_401_OG [0x191]	MDP_XRT_ARS_DIS	1	07-F0	d5
2026/06/04	06:17:26.0	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/04	06:17:28.0	XRT_FL_PROG_SET_441_OG [0x1b9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12
2026/06/04	06:17:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0a
2026/06/04	06:32:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/04	06:32:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	06:32:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/04	06:35:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/04	07:20:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/04	07:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2026/06/04	08:12:30.5	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/04	08:12:32.5	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	08:12:34.5	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/04	08:15:44.5	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/04	08:58:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/04	08:59:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2026/06/04	09:52:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0

2026/06/04	09:52:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/04	09:52:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da		
2026/06/04	09:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2026/06/04	10:36:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2026/06/04	10:37:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2026/06/04	11:44:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/04	11:44:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2026/06/04	11:44:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2026/06/04	11:47:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2026/06/04	12:14:30.0	XRT_Custom_430_OG [0x1ae]						
2026/06/04	12:15:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2026/06/04	12:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/04	12:59:56.0	XRT_FOCUS_POSITION_414_OG [0x19e]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2026/06/04	13:00:00.0	AOCS_OrE-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 b6 0d 01 b2		
2026/06/04	13:00:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2026/06/04	13:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2026/06/04	13:00:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2026/06/04	13:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2026/06/04	13:00:24.0	XRT_FLD_RESET_404_OG [0x194]	MDP_XRT_FLD_RESET	1	07-F0	da		
2026/06/04	13:02:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2026/06/04	13:02:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0a		
2026/06/04	13:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2026/06/04	13:22:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/04	13:22:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2026/06/04	13:22:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2026/06/04	13:25:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2026/06/04	13:52:30.0	XRT_Custom_430_OG [0x1ae]						
2026/06/04	13:53:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2026/06/04	15:00:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/04	15:00:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2026/06/04	15:00:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2026/06/04	15:03:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2026/06/04	15:30:30.0	XRT_Custom_430_OG [0x1ae]						
2026/06/04	15:31:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2026/06/04	16:38:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/04	16:38:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2026/06/04	16:38:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2026/06/04	16:41:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2026/06/04	17:17:00.0	XRT_Custom_430_OG [0x1ae]						
2026/06/04	17:18:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2026/06/04	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/04	17:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/04	17:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2026/06/04	18:00:00.0	AOCS_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00		
2026/06/04	18:00:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2026/06/04	18:00:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2026/06/04	18:00:22.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2026/06/04	18:02:58.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f		
2026/06/04	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]						

2026/06/04	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	18:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	18:09:58.0	XRT_FOCUS_POSITION_414_OG [0x19e]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2026/06/04	18:10:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 06 0c 01 b2
2026/06/04	18:10:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2026/06/04	18:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2026/06/04	18:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2026/06/04	18:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2026/06/04	18:10:26.0	XRT_FLD_RESET_401_OG [0x191]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/04	18:12:56.0	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12
2026/06/04	18:12:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0a
2026/06/04	18:16:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	18:16:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/04	18:16:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/04	18:19:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/04	18:53:30.0	XRT_Custom_430_OG [0x1ae]				
2026/06/04	18:54:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/04	19:54:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	19:54:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/04	19:54:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/04	19:57:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/04	20:29:30.0	XRT_Custom_430_OG [0x1ae]				
2026/06/04	20:30:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/04	21:32:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	21:32:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/04	21:32:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/04	21:35:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/04	22:06:30.0	XRT_Custom_430_OG [0x1ae]				
2026/06/04	22:07:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/04	23:10:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/04	23:10:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/04	23:10:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/04	23:13:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/04	23:42:00.5	XRT_Custom_430_OG [0x1ae]				
2026/06/04	23:43:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	00:48:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	00:48:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/05	00:48:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/05	00:51:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/05	01:19:30.0	XRT_Custom_430_OG [0x1ae]				
2026/06/05	01:20:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	02:22:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	02:22:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/05	02:22:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/05	02:25:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/05	02:57:30.0	XRT_Custom_430_OG [0x1ae]				
2026/06/05	02:58:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	03:56:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	03:56:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da

2026/06/05	03:56:04.0	XRT_PREFLR_STRT_410_OG [0x19a]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2026/06/05	03:59:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2026/06/05	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/05	03:59:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/05	03:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2026/06/05	04:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]						
		AOCU_NM	5	02-76	00 00 00 00 00			
2026/06/05	04:00:18.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2026/06/05	04:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2026/06/05	04:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2026/06/05	04:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2026/06/05	04:00:26.0	XRT_FLD_RESET_401_OG [0x191]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2026/06/05	04:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08			
2026/06/05	04:02:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0a			
2026/06/05	04:35:30.0	XRT_Custom_430_OG [0x1ae]						
2026/06/05	04:36:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2026/06/05	05:25:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/05	05:25:02.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2026/06/05	05:25:04.0	XRT_PREFLR_STRT_410_OG [0x19a]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2026/06/05	05:28:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2026/06/05	06:13:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/05	06:13:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/05	06:13:58.0	XRT_FOCUS_POSITION_406_OG [0x196]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2026/06/05	06:14:18.0	XRT_FLD_DIS_409_OG [0x199]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2026/06/05	06:14:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2026/06/05	06:14:22.0	XRT_ARS_DIS_420_OG [0x1a4]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2026/06/05	06:16:58.0	XRT_QT_PROG_SET_421_OG [0x1a5]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f			
2026/06/05	06:17:00.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2026/06/05	06:29:24.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/05	06:29:26.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/05	06:29:28.0	XRT_FOCUS_RECALIBRATE_407_OG [0x197]						
		XRT_FOCUS_RECAL	2	07-F8	78 00			
2026/06/05	06:29:30.0	AOCS_ORe-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	02 06 0c 01 b2			
2026/06/05	06:33:28.0	XRT_FOCUS_POSITION_414_OG [0x19e]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2026/06/05	06:33:48.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2026/06/05	06:33:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2026/06/05	06:33:52.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2026/06/05	06:33:54.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2026/06/05	06:33:56.0	XRT_FLD_RESET_401_OG [0x191]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2026/06/05	06:36:26.0	XRT_QT_PROG_SET_437_OG [0x1b5]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 12			
2026/06/05	06:36:28.0	XRT_FL_PROG_SET_441_OG [0x1b9]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0a			
2026/06/05	06:36:30.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2026/06/05	07:05:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/05	07:05:02.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2026/06/05	07:05:04.0	XRT_PREFLR_STRT_410_OG [0x19a]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2026/06/05	07:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2026/06/05	07:52:00.0	XRT_Custom_430_OG [0x1ae]						
2026/06/05	07:53:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2026/06/05	08:45:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2026/06/05	08:45:02.0	XRT_FLD_RESET_415_OG [0x19f]						

2026/06/05	08:45:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
			MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/05	08:48:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/05	09:30:00.0	XRT_Custom_430_OG [0x1ae]				
2026/06/05	09:31:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	10:24:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	10:24:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/05	10:24:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/05	10:27:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/05	11:08:00.0	XRT_Custom_430_OG [0x1ae]				
2026/06/05	11:09:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	12:15:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	12:15:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/05	12:15:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/05	12:18:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/05	12:46:00.0	XRT_Custom_430_OG [0x1ae]				
2026/06/05	12:47:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	13:53:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	13:53:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/05	13:53:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/05	13:56:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/05	14:24:00.0	XRT_Custom_430_OG [0x1ae]				
2026/06/05	14:25:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	15:31:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	15:31:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/05	15:31:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/05	15:34:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/05	16:02:30.0	XRT_Custom_430_OG [0x1ae]				
2026/06/05	16:03:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	17:09:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	17:09:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/05	17:09:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/05	17:12:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/05	17:48:00.0	XRT_Custom_430_OG [0x1ae]				
2026/06/05	17:49:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	18:02:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	18:02:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	18:02:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2026/06/05	18:02:30.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00
2026/06/05	18:02:48.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9
2026/06/05	18:02:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2026/06/05	18:02:52.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5
2026/06/05	18:05:28.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2026/06/05	18:05:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	18:12:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	18:12:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	18:12:28.0	XRT_FOCUS_POSITION_414_OG [0x19e]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2026/06/05	18:12:30.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 06 0c 01 b2
2026/06/05	18:12:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2026/06/05	18:12:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8

2026/06/05	18:12:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2026/06/05	18:12:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2026/06/05	18:12:56.0	XRT_FLD_RESET_401_OG [0x191]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/05	18:15:26.0	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12
2026/06/05	18:15:28.0	XRT_FL_PROG_SET_441_OG [0x1b9]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0a
2026/06/05	18:15:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	18:48:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	18:48:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/05	18:48:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/05	18:51:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/05	19:24:31.0	XRT_Custom_430_OG [0x1ae]				
2026/06/05	19:25:31.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	20:26:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	20:26:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/05	20:26:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/05	20:29:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/05	21:01:00.0	XRT_Custom_430_OG [0x1ae]				
2026/06/05	21:02:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	22:04:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	22:04:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/05	22:04:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/05	22:07:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/05	22:37:30.0	XRT_Custom_430_OG [0x1ae]				
2026/06/05	22:38:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/05	23:42:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/05	23:42:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/05	23:42:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/05	23:45:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/06	00:13:00.5	XRT_Custom_430_OG [0x1ae]				
2026/06/06	00:14:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/06	01:20:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/06	01:20:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/06	01:20:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/06	01:23:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/06	01:51:00.0	XRT_Custom_430_OG [0x1ae]				
2026/06/06	01:52:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/06	02:51:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/06	02:51:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2026/06/06	02:51:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2026/06/06	02:54:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2026/06/06	03:29:00.0	XRT_Custom_430_OG [0x1ae]				
2026/06/06	03:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2026/06/06	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/06	03:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2026/06/06	03:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2026/06/06	04:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00
2026/06/06	04:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2026/06/06	04:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2026/06/06	04:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2026/06/06	04:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]				

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2026/06/06	04:00:26.0	XRT_FLD_RESET_401_OG [0x191]	MDP_XRT_ARS_DIS	1	07-F0	d5		
			MDP_XRT_FLD_RESET	1	07-F0	da		
2026/06/06	04:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	08	
2026/06/06	04:02:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0a	
2026/06/06	04:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2026/06/06	04:27:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/06	04:27:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2026/06/06	04:27:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2026/06/06	04:30:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2026/06/06	05:07:00.0	XRT_Custom_430_OG [0x1ae]						
2026/06/06	05:08:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2026/06/06	05:25:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/06	05:25:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/06	05:25:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa 00
2026/06/06	05:26:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2026/06/06	05:26:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2026/06/06	05:26:22.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2026/06/06	05:28:58.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f	
2026/06/06	05:29:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2026/06/06	05:40:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/06	05:40:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/06	05:40:58.0	XRT_FOCUS_POSITION_414_OG [0x19e]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97 00
2026/06/06	05:41:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02	06	0c 01 b2
2026/06/06	05:41:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2026/06/06	05:41:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2026/06/06	05:41:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2026/06/06	05:41:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2026/06/06	05:41:26.0	XRT_FLD_RESET_401_OG [0x191]	MDP_XRT_FLD_RESET	1	07-F0	da		
2026/06/06	05:43:56.0	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	12	
2026/06/06	05:43:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0a	
2026/06/06	05:44:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2026/06/06	05:57:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/06	05:57:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2026/06/06	05:57:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2026/06/06	06:00:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2026/06/06	06:45:30.0	XRT_Custom_430_OG [0x1ae]						
2026/06/06	06:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2026/06/06	07:37:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/06	07:37:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2026/06/06	07:37:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2026/06/06	07:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2026/06/06	08:23:30.0	XRT_Custom_430_OG [0x1ae]						
2026/06/06	08:24:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2026/06/06	09:17:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2026/06/06	09:17:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2026/06/06	09:17:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2026/06/06	09:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2026/06/06	10:01:30.5	XRT_Custom_430_OG [0x1ae]						
2026/06/06	10:02:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		

2026/06/06	10:57:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/06	10:57:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2026/06/06	10:57:04.0	XRT_PREFLR_STRT_410_OG [0x19a]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2026/06/06	11:00:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2026/06/06	11:39:30.0	XRT_Custom_430_OG [0x1ae]							
2026/06/06	11:40:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2026/06/06	12:47:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/06	12:47:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2026/06/06	12:47:04.0	XRT_PREFLR_STRT_410_OG [0x19a]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2026/06/06	12:50:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2026/06/06	13:18:00.0	XRT_Custom_430_OG [0x1ae]							
2026/06/06	13:19:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2026/06/06	14:25:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/06	14:25:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2026/06/06	14:25:04.0	XRT_PREFLR_STRT_410_OG [0x19a]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2026/06/06	14:28:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2026/06/06	14:56:00.0	XRT_Custom_430_OG [0x1ae]							
2026/06/06	14:57:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2026/06/06	16:03:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/06	16:03:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2026/06/06	16:03:04.0	XRT_PREFLR_STRT_410_OG [0x19a]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2026/06/06	16:06:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2026/06/06	16:42:30.0	XRT_Custom_430_OG [0x1ae]							
2026/06/06	16:43:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2026/06/06	17:41:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/06	17:41:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2026/06/06	17:41:34.0	XRT_PREFLR_STRT_410_OG [0x19a]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2026/06/06	17:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2026/06/06	18:18:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/06	18:18:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/06	18:18:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2026/06/06	18:19:00.0	AOCS_OrE-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2026/06/06	18:19:18.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2026/06/06	18:19:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2026/06/06	18:19:22.0	XRT_ARS_DIS_420_OG [0x1a4]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2026/06/06	18:21:58.0	XRT_QT_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f				
2026/06/06	18:22:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2026/06/06	18:28:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/06	18:28:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/06	18:28:58.0	XRT_FOCUS_POSITION_414_OG [0x19e]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2026/06/06	18:29:00.0	AOCS_OrE-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02 06 0c 01 b2				
2026/06/06	18:29:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2026/06/06	18:29:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2026/06/06	18:29:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2026/06/06	18:29:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2026/06/06	18:29:26.0	XRT_FLD_RESET_401_OG [0x191]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2026/06/06	18:31:56.0	XRT_QT_PROG_SET_437_OG [0x1b5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2026/06/06	18:31:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0a				
2026/06/06	18:32:00.0	XRT_CTRL_AUTO_408_OG [0x198]							

2026/06/06	19:19:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/06	19:19:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/06	19:19:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2026/06/06	19:22:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2026/06/06	19:55:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2026/06/06	19:56:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/06	20:57:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/06	20:57:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/06	20:57:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2026/06/06	21:00:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2026/06/06	21:32:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2026/06/06	21:33:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/06	22:35:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/06	22:35:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/06	22:35:34.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2026/06/06	22:38:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2026/06/06	23:08:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2026/06/06	23:09:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/07	00:14:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/07	00:14:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/07	00:14:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2026/06/07	00:17:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2026/06/07	00:44:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2026/06/07	00:45:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/07	01:52:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/07	01:52:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/07	01:52:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2026/06/07	01:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2026/06/07	02:22:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2026/06/07	02:23:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/07	03:22:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/07	03:22:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/07	03:22:04.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2026/06/07	03:25:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2026/06/07	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/07	03:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/07	03:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2026/06/07	04:00:00.0	AOCS_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00	
2026/06/07	04:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2026/06/07	04:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2026/06/07	04:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2026/06/07	04:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2026/06/07	04:00:26.0	XRT_FLD_RESET_401_OG [0x191]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/07	04:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08	
2026/06/07	04:02:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0a	
2026/06/07	04:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2026/06/07	04:49:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2026/06/07	04:49:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2026/06/07	04:49:34.0	XRT_PREFLR_STRT_410_OG [0x19a]					

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2026/06/07	04:52:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
			MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2026/06/07	05:39:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/07	05:39:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/07	05:39:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2026/06/07	05:40:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9				
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2026/06/07	05:40:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2026/06/07	05:40:22.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5				
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2026/06/07	05:42:58.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f				
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f				
2026/06/07	05:43:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2026/06/07	05:57:00.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2026/06/07	06:00:00.0	XRT_TCIB_XRT_S_HTR_A_ENA_422_OG [0x1a6]	TCIB_XRT_S_HTR_A_ENA	0	04-BC					
			TCIB_XRT_S_HTR_A_ENA	0	04-BC					
2026/06/07	06:11:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 06 0c 01 b2				
			AOCU_NM	5	02-76	02 06 0c 01 b2				
2026/06/07	17:58:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00				
			AOCU_NM	5	02-76	00 00 00 00 00				
2026/06/07	18:08:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 06 0c 01 b2				
			AOCU_NM	5	02-76	02 06 0c 01 b2				
2026/06/08	06:16:30.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00				
			AOCU_NM	5	02-76	00 00 00 00 00				
2026/06/08	06:26:30.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 06 0c 01 b2				
			AOCU_NM	5	02-76	02 06 0c 01 b2				
2026/06/08	18:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00				
			AOCU_NM	5	02-76	00 00 00 00 00				
2026/06/08	18:10:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 06 0c 01 b2				
			AOCU_NM	5	02-76	02 06 0c 01 b2				
2026/06/09	05:28:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00				
			AOCU_NM	5	02-76	00 00 00 00 00				
2026/06/09	05:38:00.0	AOCS_ORe-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	00 f2 36 b0 19				
			AOCU_NM	5	02-76	00 f2 36 b0 19				
2026/06/09	11:28:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00				
			AOCU_NM	5	02-76	00 00 00 00 00				