# XRT Timeline to be uploaded on 2025/05/06

Period: 2025/05/06 10:55:00 - 2025/05/10 10:52:00

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

**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(512/8192/32768), Med-Be(256/5**

| Term | Pointing (x, y) | Comment |
|---|---|---|
| 05/06 11:47:00 - 05/06 12:24:00 | Fixed ( 0.0, 0.0) | HOP130 03/15 |
| 05/06 17:03:06 - 05/06 17:15:30 | Fixed ( 0.0, 0.0) | XRT straylight measurements + synoptic |
| 05/07 05:39:30 - 05/07 05:46:24 | Fixed ( 0.0, 0.0) | synoptic, shifted -23.5 min |
| 05/07 17:33:00 - 05/07 17:47:30 | Fixed ( 0.0, 0.0) | synoptic, shifted for XRT straylight measurements |
| 05/08 05:56:30 - 05/08 06:03:24 | Fixed ( 0.0, 0.0) | synoptic, shifted -6.5 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 #1D31: Stray light study 2025-1; Al-mesh and Al-poly, 2x2 full FOV(1min-cad) and 1x1 384 on AR(10sec-cad)**

| Term | Pointing (x, y) | Comment |
|---|---|---|
| 05/06 14:01:30 - 05/06 15:37:00 | Fixed ( 0.0, 941.0) | HOP130 08/15 |
| 05/06 15:39:30 - 05/06 15:53:00 | Fixed ( 0.0, -941.0) | HOP130 13/15 |
| 05/06 22:12:30 - 05/06 22:24:00 | Fixed ( -970.0, 0.0) | # Coalignment at east limb - extended for EIS loop obs. |
| 05/07 17:50:00 - 05/07 18:01:54 | Fixed ( 945.0, 0.0) | # west limb |

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

**Subr= 2 16-time(s) 2.0sec**

**Seqn= 9 1-time(s) 10.0sec**

| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC | Buffer | Interval |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Open/Al-mesh | Open/thick-Al | close | Safe | Norm | 2.83s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |

**Subr= 3 9-time(s) 2.0sec**

**Seqn= 49 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/Ti-poly | close | Safe | Norm | 1.41s | Obs | 2x2 | 2048x2048 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 2.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |

**Seqn= 9 3-time(s) 10.0sec**

| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC | Buffer | Interval |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Open/Al-mesh | Open/thick-Al | close | Safe | Norm | 2.83s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |

**XOB #1BD6: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 900s cad (G-band/Leak first)**

| Term | Pointing (x, y) | Comment |
|---|---|---|
| 05/06 16:41:00 - 05/06 17:00:00 | Fixed ( 0.0, 0.0) | XRT straylight measurements + synoptic |
| 05/06 21:33:00 - 05/06 22:10:00 | Fixed ( -970.0, 0.0) | # Coalignment at east limb - extended for EIS loop obs. |
| 05/06 22:44:00 - 05/06 23:51:00 | Fixed ( -970.0, 0.0) | # Coalignment at east limb - extended for EIS loop obs. |

**PROG= 19 Inf.-time(s)**

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Subr= 1 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| **Seqn= 30 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 512x512 (1024, 1024) | Q=90 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 512x512 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| **Subr= 2 8-time(s) 900.0sec** | | | | | | | | | | | | | |
| **Seqn= 8 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 1.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 1.41s | Obs | 4x4 | 2048x2048 (1024, 1024) | DPCM | 2 | 0 | 2.0sec |
| **Seqn= 6 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 125ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 1.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | DPCM | 2 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC | Buffer | Interval | |

**XOB #1D34: Stray light study 2025-4 ; med-Al, 2x2 full FOV(1min-cad) and 1x1 384x384 (18sec-cad) at Center**

| Term | Pointing (x, y) | Comment |
|---|---|---|
| 05/06 17:18:00 - 05/06 17:29:54 | Fixed ( 0.0, 0.0) | XRT straylight measurements + synoptic |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PROG= 08 1-time(s)** | | | | | | | | | | | | | |
| **Subr= 2 14-time(s) 2.0sec** | | | | | | | | | | | | | |
| **Seqn= 9 1-time(s) 10.0sec** | | | | | | | | | | | | | |
| Open/Al-mesh | Open/thick-Al | close | Safe | Norm | 2.83s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| **Subr= 3 8-time(s) 2.0sec** | | | | | | | | | | | | | |
| **Seqn= 7 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| med-Al/Open | med-Al/Open | close | Safe | Norm | 32.0s | Obs | 2x2 | 2048x2048 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| **Seqn= 9 3-time(s) 10.0sec** | | | | | | | | | | | | | |
| Open/Al-mesh | Open/thick-Al | close | Safe | Norm | 2.83s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC | Buffer | Interval | |

**XOB #1C8D: Alignment with North Pole Al/poly 1443ms Q95 2x2 (G-band and VLS=CLS) - 5min cad**

| Term | Pointing (x, y) | Comment |
|---|---|---|
| 05/06 17:45:00 - 05/06 19:29:54 | Fixed ( 0.0, 930.0) | # Coalignment at North pole |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PROG= 04 1-time(s)** | | | | | | | | | | | | | |
| **Subr= 1 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| **Seqn= 23 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=90 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| **Subr= 2 24-time(s) 300.0sec** | | | | | | | | | | | | | |
| **Seqn= 69 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| Al-poly/Open | med-Be/Open | close | Safe | Norm | 1.41s | Obs | 2x2 | 2048x1536 (1024, 768) | Q=95 | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC | Buffer | Interval | |

**XOB #1C8E: Alignment with East limb Al/poly 1443ms Q95 2x2 (G-band and VLS=CLS) - 8 min cad**

| Term | Pointing (x, y) | Comment |
|---|---|---|
| 05/06 19:45:00 - 05/06 21:29:54 | Fixed ( -970.0, 0.0) | # Coalignment at east limb - extended for EIS loop obs. |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PROG= 01 1-time(s)** | | | | | | | | | | | | | |
| **Subr= 1 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| **Seqn= 23 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=90 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| **Subr= 2 15-time(s) 480.0sec** | | | | | | | | | | | | | |
| **Seqn= 70 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| Al-poly/Open | med-Be/Open | close | Safe | Norm | 1.41s | Obs | 2x2 | 1536x2048 (1280, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC | Buffer | Interval | |

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

| Term | Pointing (x, y) | Comment |
|---|---|---|
| 05/07 00:18:30 - 05/07 03:59:54 | Track ( 383.1, 137.2) @ 05/07 00:00:00 | # AR 14079 |
| 05/07 05:49:30 - 05/07 17:29:54 | Track ( 430.1, 135.3) @ 05/07 05:46:30 | # AR cont. |
| 05/07 18:26:00 - 05/08 03:28:00 | Track ( 525.0, 130.9) @ 05/07 18:02:00 | # AR cont. |
| 05/08 06:06:30 - 05/08 11:19:00 | Track ( 610.5, 126.0) @ 05/08 06:03:30 | # AR cont. |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PROG= 20 Inf.-time(s)** | | | | | | | | | | | | | |
| **Subr= 1 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| **Seqn= 92 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 16.0s | Obs | 1x1 | 384x384 (1064, 1048) | Q=98 | 0 | 0 | 2.0sec |
| **Subr= 2 4-time(s) 2.0sec** | | | | | | | | | | | | | |
| **Seqn= 47 1-time(s) 2.0sec** | | | | | | | | | | | | | |
| Al-poly/Open | thin-Be/Open | close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 2 | 0 | 2.0sec |
| Al-poly/Open | thin-Be/Open | close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 2 | 0 | 2.0sec |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| **Seqn= 77 4-time(s) 300.0sec** | | | | | | | | | | | | | |
| Al-poly/Open | thin-Be/Open | close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 0 | 2.0sec |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 0 | 95.0sec |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al-poly/Open | thin-Be/Open | close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 1 | 2.0sec |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 1 | 95.0sec |
| Al-poly/Open | thin-Be/Open | close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 2 | 2.0sec |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 2 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC | Buffer | Interval |

**XOB #1D09: HOP349 - 3-filter Synoptics (Al-mesh[2/128/723], Al-poly[5/181/1443], thin-Be[16/512/3897] with 512x512 G-band+Leak - 90min cad) + CME wat**

| Term | Pointing (x, y) | Comment |
|---|---|---|
| 05/07 04:03:00 - 05/07 05:36:24 | Fixed ( 0.0, 0.0) | # HOP 349 |
| 05/08 04:07:00 - 05/08 05:53:24 | Fixed ( 0.0, 0.0) | # HOP 349 |

**PROG= 16 Inf.-time(s)**

**Subr= 1 1-time(s) 600.0sec**

**Seqn= 55 1-time(s) 2.0sec**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 2ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 125ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 707ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |

**Seqn= 98 1-time(s) 2.0sec**

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 5ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 177ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/thick-Al | close | Safe | Norm | 1.41s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |

**Seqn= 79 1-time(s) 2.0sec**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 16ms | 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 | 2.83s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |

**Seqn= 30 1-time(s) 2.0sec**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 512x512 (1024, 1024) | Q=90 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 512x512 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |

**Subr= 2 7-time(s) 600.0sec**

**Seqn= 8 1-time(s) 2.0sec**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 1.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 1.41s | Obs | 4x4 | 2048x2048 (1024, 1024) | DPCM | 2 | 0 | 2.0sec |

**Seqn= 74 1-time(s) 2.0sec**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| med-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| med-Be/Open | med-Be/Open | close | Safe | Norm | 2.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 2 | 0 | 2.0sec |

**Seqn= 6 1-time(s) 2.0sec**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 125ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 1.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | DPCM | 2 | 0 | 2.0sec |

**Seqn= 29 1-time(s) 2.0sec**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 125ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 250ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 2 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC | Buffer | Interval |

* * * * * **Flare mode** * * * * *

**XOB #1D30: 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 |
|---|---|---|
| 05/06 16:41:00 - 05/06 17:00:00 | Fixed ( 0.0, 0.0) | XRT straylight measurements + synoptic |
| 05/06 21:33:00 - 05/06 22:10:00 | Fixed ( -970.0, 0.0) | # Coalignment at east limb - extended for EIS loop obs. |
| 05/06 22:44:00 - 05/06 23:51:00 | Fixed ( -970.0, 0.0) | # Coalignment at east limb - extended for EIS loop obs. |
| 05/07 00:18:30 - 05/07 03:59:54 | Track ( 383.1, 137.2) @ 05/07 00:00:00 | # AR 14079 |
| 05/07 04:03:00 - 05/07 05:36:24 | Fixed ( 0.0, 0.0) | # HOP 349 |
| 05/07 05:49:30 - 05/07 17:29:54 | Track ( 430.1, 135.3) @ 05/07 05:46:30 | # AR cont. |
| 05/07 18:26:00 - 05/08 03:28:00 | Track ( 525.0, 130.9) @ 05/07 18:02:00 | # AR cont. |
| 05/08 04:07:00 - 05/08 05:53:24 | Fixed ( 0.0, 0.0) | # HOP 349 |
| 05/08 06:06:30 - 05/08 11:19:00 | Track ( 610.5, 126.0) @ 05/08 06:03:30 | # AR cont. |

**PROG= 12 30-time(s)**

**Subr= 1 1-time(s) 2.0sec**

**Seqn= 60 1-time(s) 2.0sec**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Al-poly/Open | thin-Be/Open | close | Safe | Norm | 1ms | Obs | 2x2 | 512x512 (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 ✲ ✲ ✲ ✲ ✲

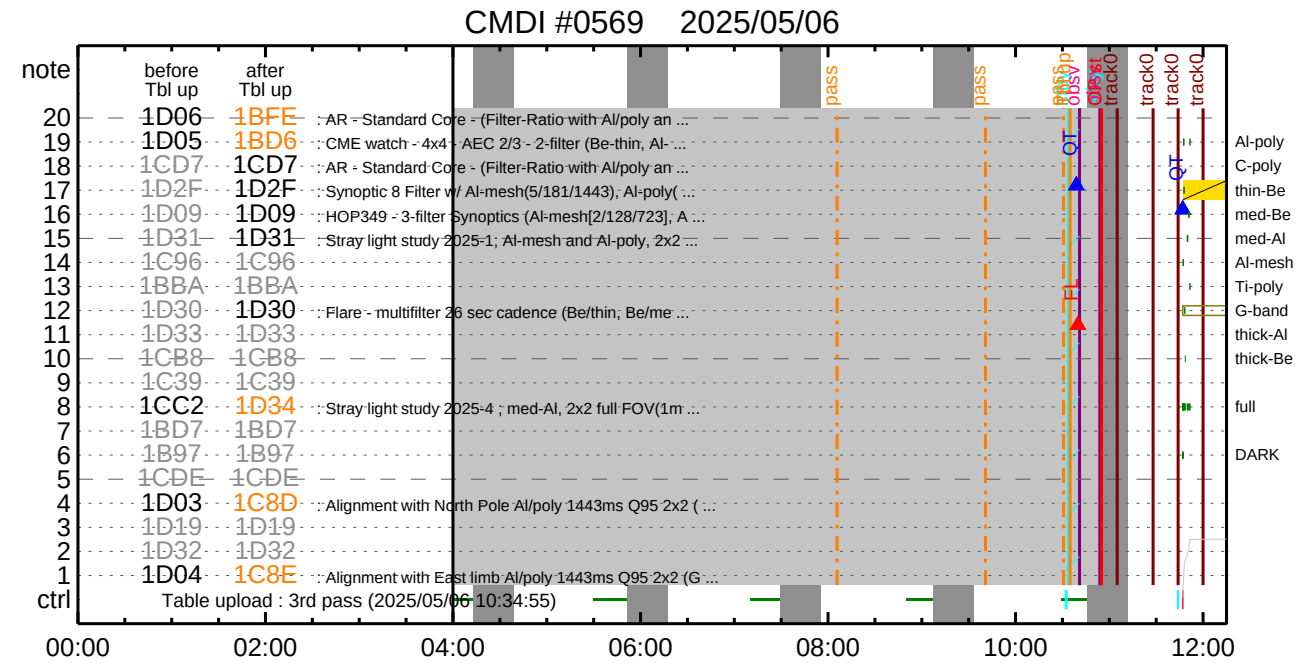
NOT USED

## ✲ ✲ ✲ ✲ ✲ Flare Detection ✲ ✲ ✲ ✲ ✲

**FLD Patrol**

| Term | Pointing (x, y) | Comment |
|---|---|---|
| 05/06 10:35:55 - 05/06 11:44:18 | cannot be identified | |
| 05/06 16:38:16 - 05/06 17:00:24 | Fixed ( 0.0, 0.0) | XRT straylight measurements + synoptic |
| 05/06 21:30:16 - 05/06 22:10:24 | Fixed ( -970.0, 0.0) | # Coalignment at east limb - extended for EIS loop obs. |
| 05/06 22:24:22 - 05/07 05:36:48 | Fixed ( -970.0, 0.0) | # Coalignment at east limb - extended for EIS loop obs. |
| 05/07 05:46:48 - 05/07 17:30:18 | Track ( 430.1, 135.3) @ 05/07 05:46:30 | # AR cont. |
| 05/07 18:02:18 - 05/08 05:53:48 | Track ( 525.0, 130.9) @ 05/07 18:02:00 | # AR cont. |
| 05/08 06:03:48 - 05/10 10:52:00 | Track ( 610.5, 126.0) @ 05/08 06:03:30 | # AR cont. |

| 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 | 4ms | Obs | 8x8 | | Q=50 | | 30sec |


CMDI #0569 2025/05/06
note
before Tbl up
after Tbl up
20 1D06 1BFE : AR - Standard Core - (Filter-Ratio with Al/poly an ...
19 1D05 1BD6 : CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al- ...
18 1CD7 1CD7 : AR - Standard Core - (Filter-Ratio with Al/poly an ...
17 1D2F 1D2F : Synoptic 8 Filter w/ Al-mesh(5/181/1443), Al-poly( ...
16 1D09 1D09 : HOP349 - 3-filter Synoptics (Al-mesh[2/128/723], A ...
15 1D31 1D31 : Stray light study 2025-1; Al-mesh and Al-poly, 2x2 ...
14 1C96 1C96
13 1BBA 1BBA
12 1D30 1D30 : Flare - multifilter 26 sec cadence (Be/thin, Be/me ...
11 1D33 1D33
10 1CB8 1CB8
9 1C39 1C39
8 1CC2 1D34 : Stray light study 2025-4 ; med-Al, 2x2 full FOV(1m ...
7 1BD7 1BD7
6 1B97 1B97
5 1CDE 1CDE
4 1D03 1C8D : Alignment with North Pole Al/poly 1443ms Q95 2x2 ( ...
3 1D19 1D19
2 1D32 1D32
1 1D04 1C8E : Alignment with East limb Al/poly 1443ms Q95 2x2 (G ...
ctrl Table upload : 3rd pass (2025/05/06 10:34:55)
pass
QT
FL
track0
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
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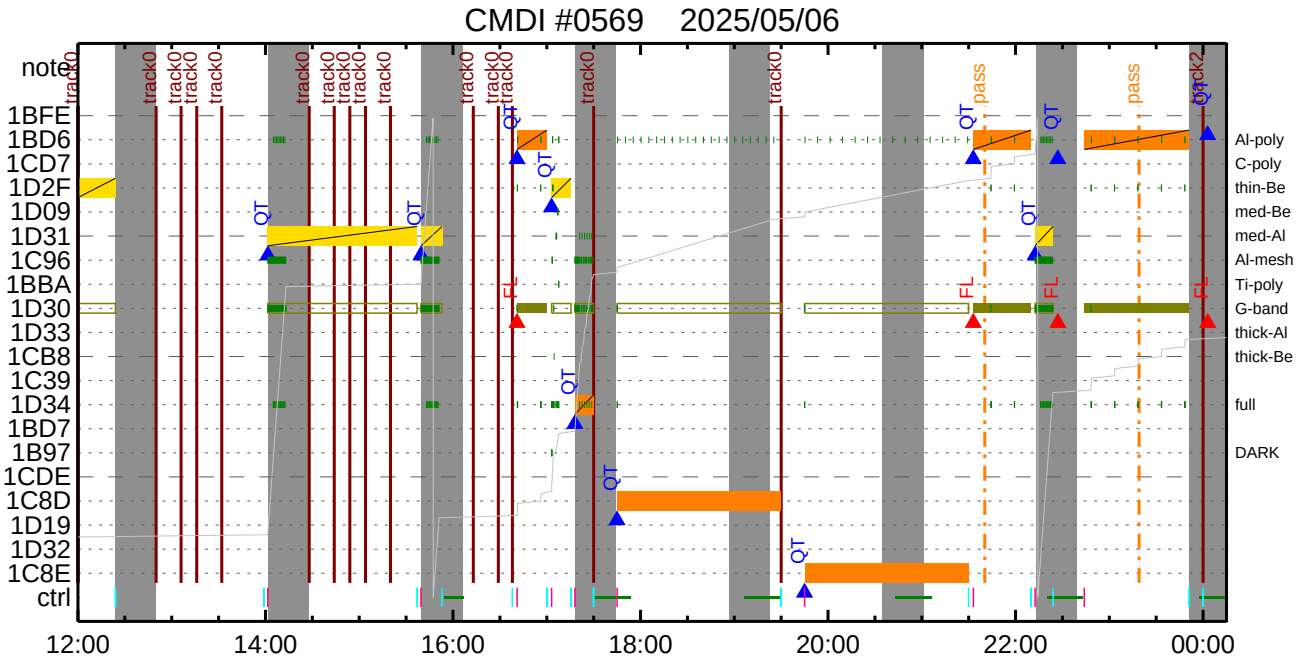
CMDI #0569 2025/05/06
note
1BFE
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1C8E
ctrl
track0
track2
QT
FL
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
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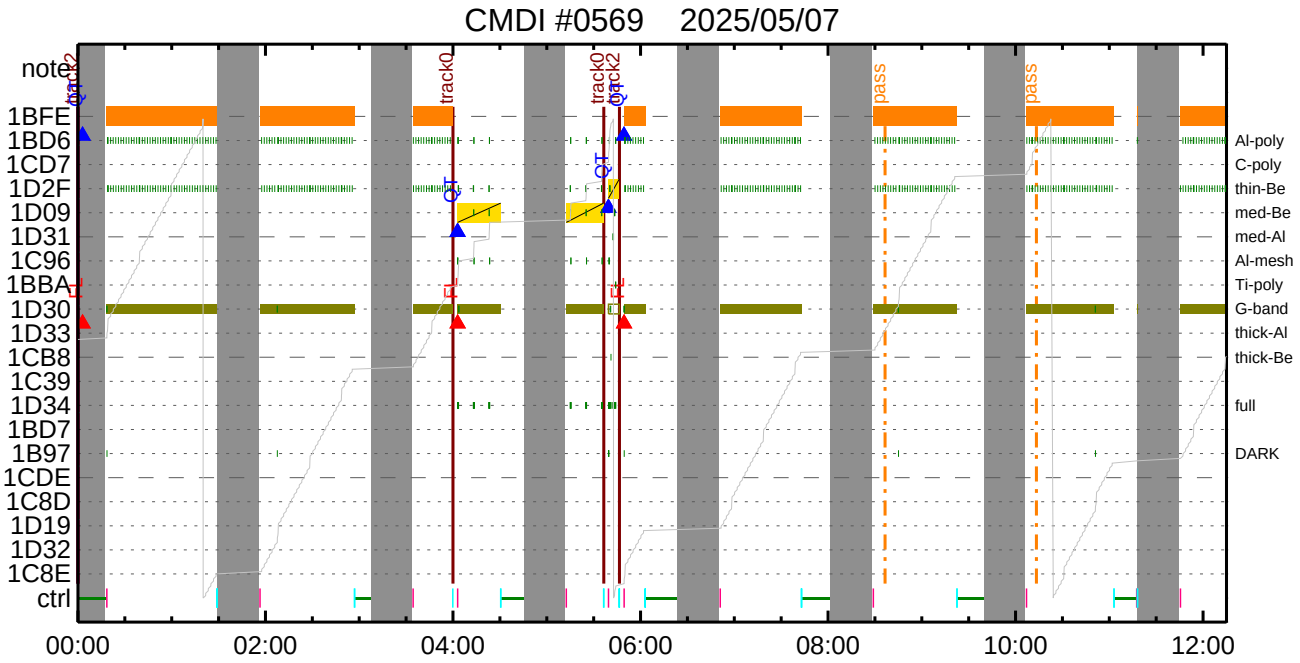
CMDI #0569 2025/05/07
note
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ctrl
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thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
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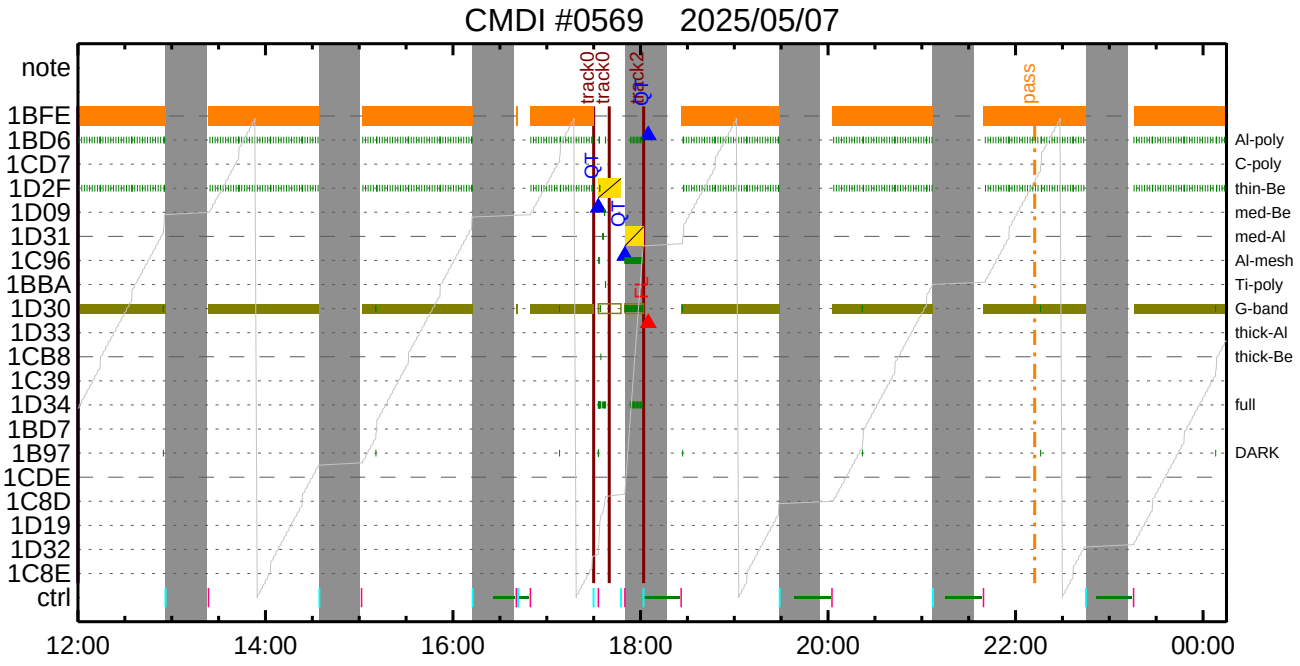
CMDI #0569 2025/05/07
note
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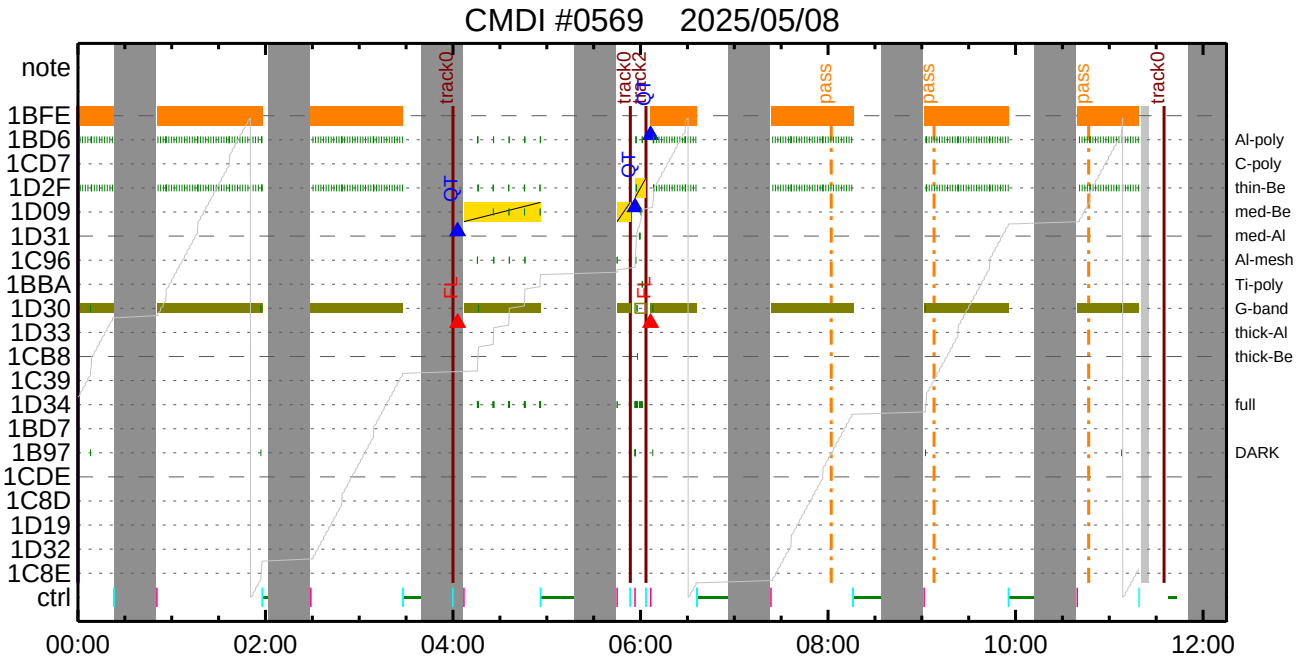
CMDI #0569 2025/05/08
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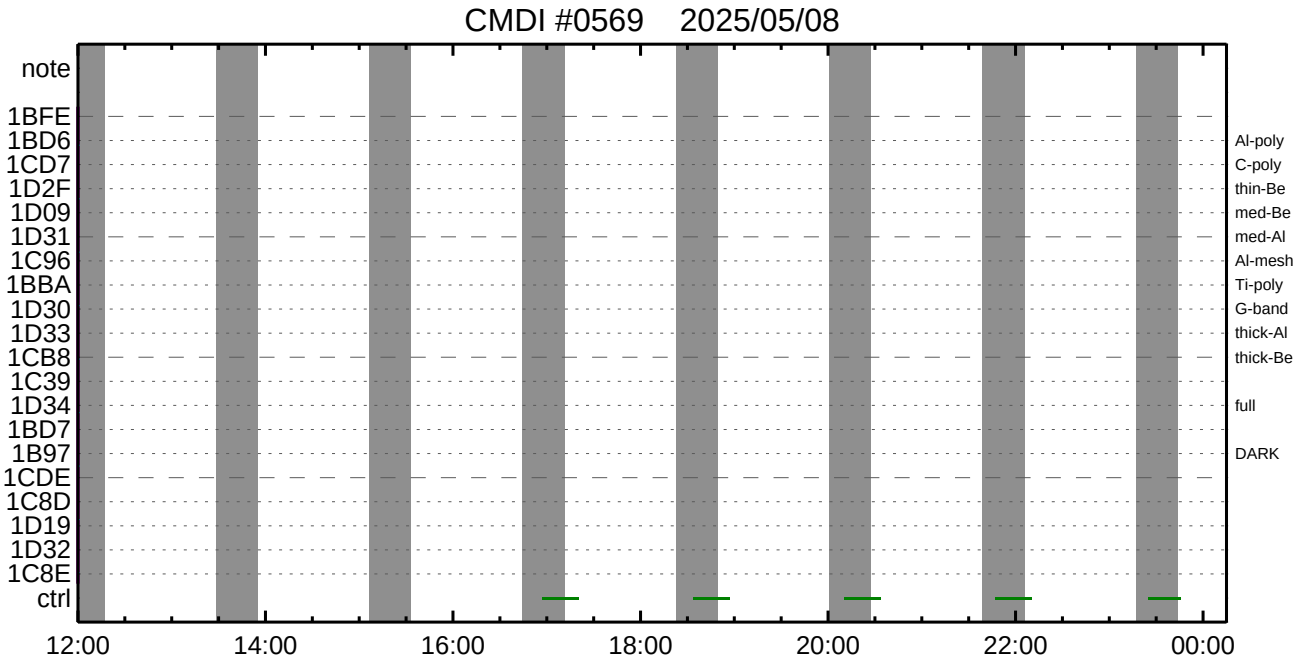
CMDI #0569 2025/05/08
note
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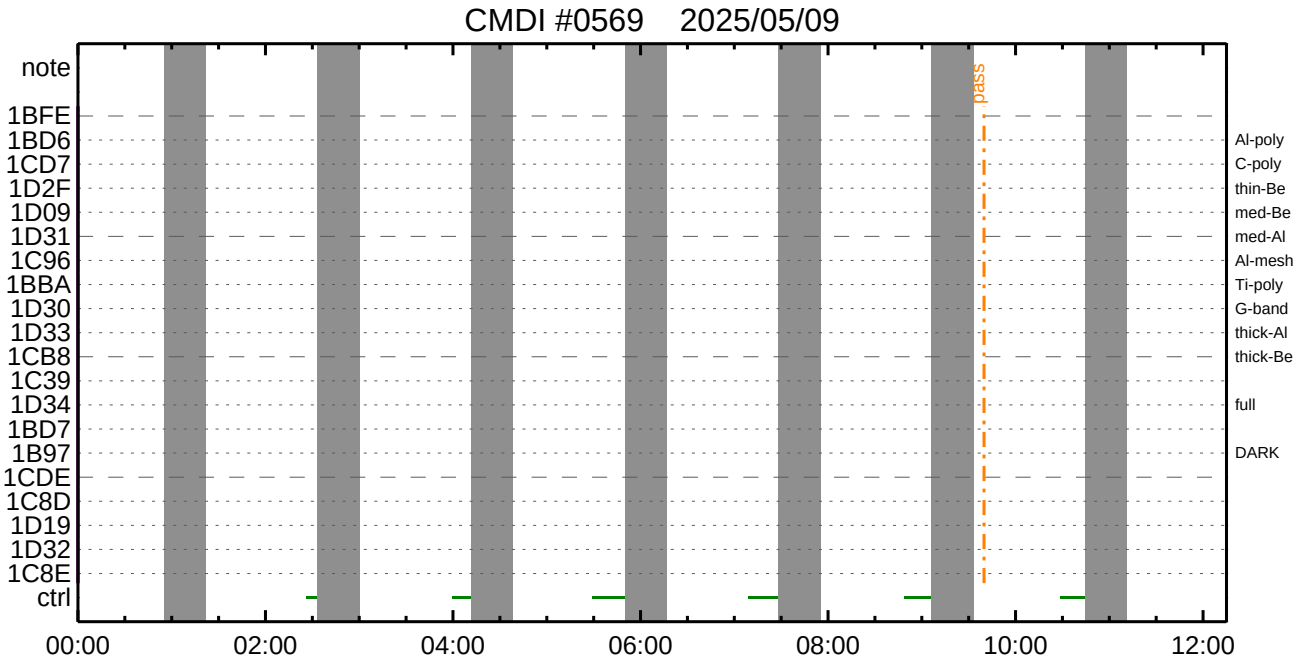
CMDI #0569 2025/05/09
note
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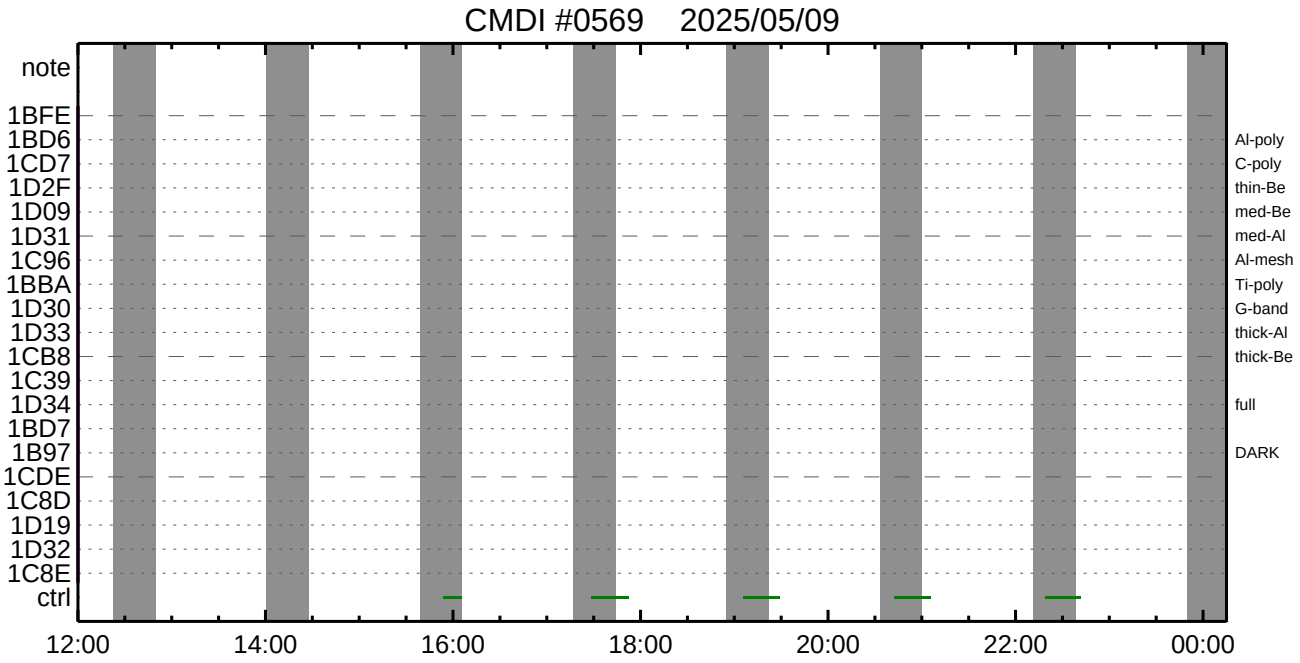
CMDI #0569 2025/05/09
note
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Al-mesh
Ti-poly
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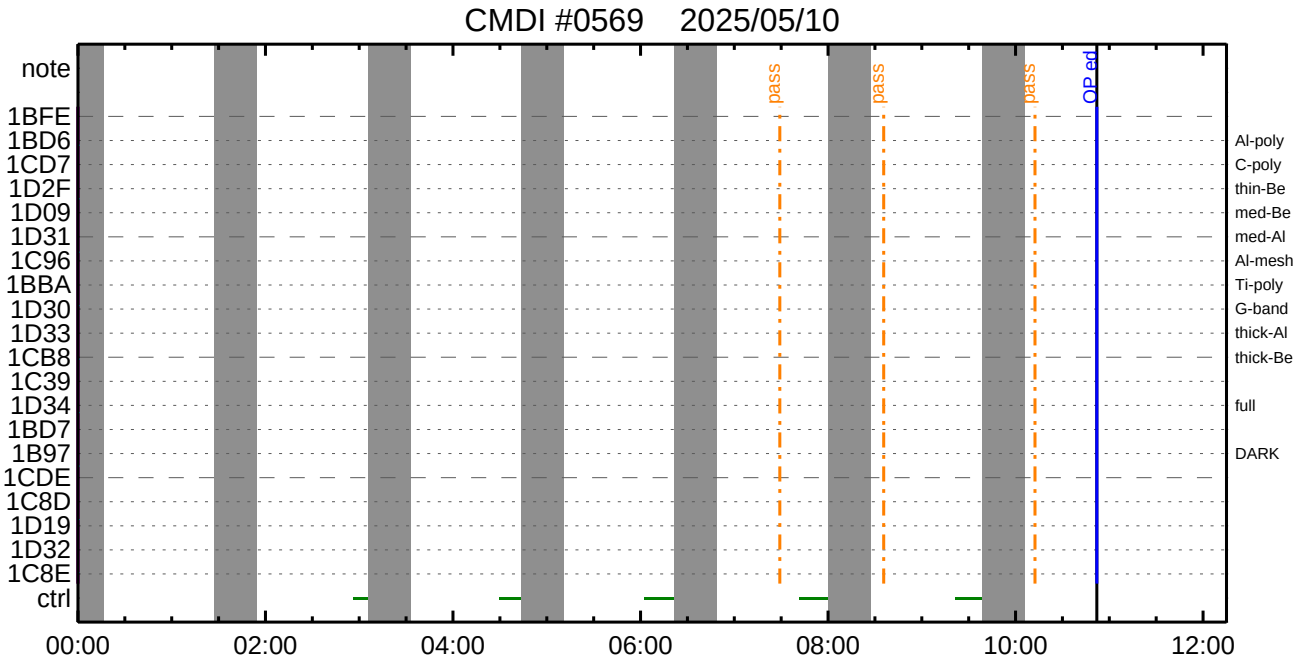
CMDI #0569 2025/05/10
note
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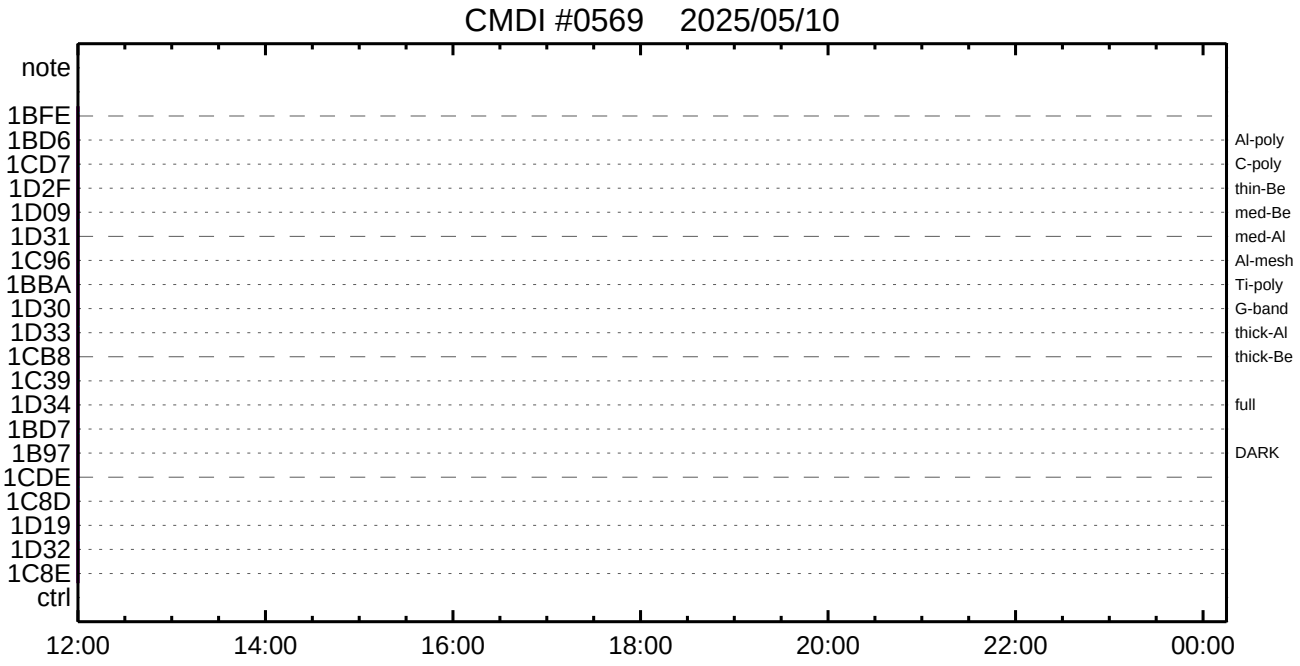
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note
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(a) Spacecraft Operation Procedure (real-commands)

```
main-258 2025-05-06 11:54:21 278 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-258:OP
0104     ()
0105   . S. OG    og-258: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¬¤ºÁ÷¿® (¾åµ-¥À¥ó¥×¼ê½ç¤òÅÓÃæ¤Ç½ª¤¨¤ë¾ì¹ç¤Ç¤â) *****
0167     C. DHU¥â¡¼¥É¡Ê¼ý¸¸¥ì¡¼¥È¡Ë¤òÌá¤¹
0168  +. DC 01-22 DHU_MODE_CHNG
0169     BC       (02 0a f8)
0170     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     2
0171     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
0172     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
0173     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0174     C.
0175   . C. ********************************
0176     C. TI-CMD SET (OPOG STOP/COPY/START)
0177     C. ********************************
0178     C.
0179   . C. NOTICE ¡§ OPOG UPLOAD¤¬Á÷¿®NG¤Î¾ì¹ç¡¢°Ê²¼¤ÎTI-CMDÁ÷¿®¤Ï¼Â¹Ô¤•¤Ê¤¤¤³¤È¡£
0180     C.           ¤Þ¤¿¡¢SET¤ÈDUMP¤ÏÆ±°ì¥Ñ¥¿¼Ç¹Ô¤¦¤³¤È¡£
0181     C.
0182   . C. TI¥³¥Þ¥ó¥É¤òÅÐÏ¿(UT)
0183  +. TI 2025-05-06 10:50:00.0
0184     DC 01-B3 DHU_OP_STOP
0185     C.                       ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0186     C.
0187  +. TI 2025-05-06 10:50:01.0
0188     DC 01-B4 DHU_OP_COPY
0189     C.                       ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0190     C.
0191  +. TI 2025-05-06 10:50:01.0
0192     DC 01-B5 DHU_OPOG_COPY
0193     C.                       ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
```

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0194     C.
0195   +. TI 2025-05-06 10:54:59.5
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 2025-05-06 10:54:30.0
0245     DC 07-FC EIS_MODE_MANU
0246     BC       (21 02)
0247   +. TI 2025-05-06 10:54:40.0
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 2025-05-06 10:54:00.0
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.
```

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(a) Spacecraft Operation Procedure (real-commands)

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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. ***** AOCS Commands (Tracking Curve Upload) ******
0099     C. Upload the Orbit Element and the Target Attitude
0100     C. RAM-ID:TARGET_ATT
0101   . S. RAM   ram-150:TARGET_ATT
0102     ()
0103     C.
0104     C.
0105     C. Set the dump memory area of TARGET_ATT
0106   +. DC 02-48 AOCU_DUMP_SET
0107     BC       (07 00 00 00 18 00)
0108     C.
0109     C.    <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0110     C.
0111     C.
0112     C. Change the TLMFormatNo for the AOCS Dump Format
0113   +. DC 01-22 DHU_MODE_CHNG
0114     BC       (04 0b f8)
0115     C.
0116     C. Wait for AOCSDUMP to end
0117     C.
0118   . C. Check the dump memory
0119     C.
0120     C.                                      Result = OK [ ]
0121     C.
0122   +. DC 01-22 DHU_MODE_CHNG
0123     BC       (02 0a f8)
0124     C.
0125     C.                         <A_***>[TLM STS] FMT = 2 [ ]
0126     C.
0127   +. DC 02-8E AOCU_ORB_UPD
0128    . C.
0129    . C. ***** AOCS Commands (Orbital Element Update) *****
0130     C. Update the orbital element
0131   +. DC 02-50 AOCU_ORB_PRPGT_START
0132     BC       (16)
0133   +  DC 02-8E AOCU_ORB_UPD
0134     C.
0135     C.       <A_ORB>[ORBIT] EPC = 8379819.8 +- 1.0 (s) [ ]
0136     C.
0137    . C.
0138    . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0139   +. DC 07-FC EIS_MODE_CHG_ENA
0140     BC       (20)
0141    . C. Verify EIS_MODE_CHG_FLG is ENA
0142   +. DC 07-FC EIS_MODE_MANU
0143     BC       (21 02)
0144    . C. Verify EIS in MANUAL mode
0145    . C. Estimated OBSTBL upload time is 37s
0146     C. ********************************
0147     C. EIS START OBSTBL LOAD
0148     C. ********************************
0149    . S. RAM   ram-820:EIS_OBSTBL
0150     ()
0151   +. DC 07-FC EIS_DUMP_OBSTBL
0152     BC       (07 07 07 00 00 70 00)
0153     C.
0154     C. Execute, after the success of OBSTBL upload.
0155     C. Set EIS TI-commands
0156   +. TI 2025-05-06 10:54:50.0
0157     DC 07-FC EIS_MODE_CHG_ENA
0158     BC       (20)
0159    . C.                      [   ]  [HK1_TI_CMD_NUM]     EQ    1 COUNTUP
0160     C. ********************************
0161     C. EIS END OBSTBL LOAD
0162     C. ********************************
0163     C.
0164    . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0165     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0166    . S. DC-BC dcbc-402:DCBC
0167     (MDP_known_event)
0168     C.
0169     C.
0170    . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0171    . S. DC-BC dcbc-153:DCBC
0172     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0173     C.
0174     C.
0175    . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0176     C.
0177    . C. ********** LOS **********
0178     C.
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(a) Spacecraft Operation Procedure (real-commands)

main-260 2025-05-06 11:54:21 106 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 05 85 83 06 06)
0044   +  DC 07-F0 MDP_XRT_ROI_SET
0045     BC       (cd 06 85 83 06 06)
0046   +  DC 07-F0 MDP_XRT_ROI_SET
0047     BC       (cd 07 80 80 20 20)
0048   +  DC 07-F0 MDP_XRT_ROI_SET
0049     BC       (cd 08 80 80 20 08)
0050   +  DC 07-F0 MDP_XRT_ROI_SET
0051     BC       (cd 09 80 80 08 20)
0052   +  DC 07-F0 MDP_XRT_ROI_SET
0053     BC       (cd 0a 80 80 06 06)
0054   +  DC 07-F0 MDP_XRT_ROI_SET
0055     BC       (cd 0b 80 80 08 08)
0056   +  DC 07-F0 MDP_XRT_ROI_SET
0057     BC       (cd 0c 80 60 20 18)
0058   +  DC 07-F0 MDP_XRT_ROI_SET
0059     BC       (cd 0d a0 80 18 20)
0060   +  DC 07-F0 MDP_XRT_ROI_SET
0061     BC       (cd 0f 80 80 06 06)
0062   +  DC 07-F0 MDP_XRT_ROI_SET
0063     BC       (cd 10 80 80 08 08)
0064   +  DC 07-F0 MDP_XRT_FLD_ENA
0065     BC       (d8)
0066   +  DC 07-F0 MDP_XRT_FLRCTRL_ENA
0067     BC       (c8)
0068   +  DC 07-F0 MDP_XRT_ARS_DIS
0069     BC       (d5)
0070   +  DC 07-F0 MDP_XRT_AEC_RESET
0071     BC       (d0)
0072   +  DC 07-F0 MDP_XRT_FLD_RESET
0073     BC       (da)
0074   +. DC 07-F0 MDP_XRT_QT_PROG_SET
0075     BC       (c4 12)
0076   +. DC 07-F0 MDP_XRT_FL_PROG_SET
0077     BC       (c5 0c)
0078   . C. ---------- Success Verify ?            OK / NG ____
0079     C.
0080     C.
0081   . C. All OK?   Yes--> Please Proceed. / No --> Stop here.
0082     C.
0083   +. DC 07-F0 MDP_XRT_MODE_OBSV
0084     BC       (c2)
0085   +. TI 2025-05-06 10:54:02.0
0086     DC 07-F0 MDP_XRT_MODE_OBSV
0087     BC       (c2)
0088   . C. ---------- Success Verify ?            OK / NG ____
0089     C.
0090     C. ************ XRT END ***********
0091     C.
0092   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0093     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0094   . S. DC-BC dcbc-402:DCBC
0095     (MDP_known_event)
```

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0096     C.
0097     C.
0098   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0099   . S. DC-BC dcbc-153:DCBC
0100     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0101     C.
0102     C.
0103   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0104     C.
0105   . C. *********** LOS ***********
0106     C.
```

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*** OP Sequence for XRT ***

2025/05/06  11:05:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM               5 02-76 00 00 00 ac cd
2025/05/06  11:28:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM               5 02-76 00 00 00 d6 67
2025/05/06  11:43:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2025/05/06  11:43:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2025/05/06  11:43:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION    4 07-F8 22 ff aa 00
2025/05/06  11:44:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                AOCU_NM               5 02-76 00 00 00 00 00
2025/05/06  11:44:18.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2025/05/06  11:44:20.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2025/05/06  11:44:22.0  XRT_ARS_DIS_435_OG [0x1b3]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2025/05/06  11:46:58.0  XRT_QT_PROG_SET_404_OG [0x194]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 11
2025/05/06  11:47:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2025/05/06  12:00:00.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                AOCU_NM               5 02-76 00 00 00 29 99
2025/05/06  12:24:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2025/05/06  12:24:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2025/05/06  12:24:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET     1 07-F0 da
2025/05/06  12:24:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                MDP_XRT_PREFLR_STRT   1 07-F0 e8
2025/05/06  12:27:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP   1 07-F0 e9
2025/05/06  12:50:00.0  AOCS_ORe-point_Start_5_OG [0x09b]
                                AOCU_NM               5 02-76 00 00 00 53 33
2025/05/06  13:06:00.0  AOCS_ORe-point_Start_6_OG [0x09c]
                                AOCU_NM               5 02-76 00 d6 36 b7 8e
2025/05/06  13:16:00.0  AOCS_ORe-point_Start_7_OG [0x09d]
                                AOCU_NM               5 02-76 00 b4 b5 db 75
2025/05/06  13:32:00.0  AOCS_ORe-point_Start_8_OG [0x09e]
                                AOCU_NM               5 02-76 00 ac 5b 00 00
2025/05/06  13:59:00.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2025/05/06  13:59:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2025/05/06  13:59:04.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION    4 07-F8 22 ff aa 00
2025/05/06  13:59:24.0  XRT_FLD_DIS_418_OG [0x1a2]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2025/05/06  14:01:24.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2025/05/06  14:01:26.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2025/05/06  14:01:28.0  XRT_QT_PROG_SET_416_OG [0x1a0]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 0f
2025/05/06  14:01:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2025/05/06  14:28:00.0  AOCS_ORe-point_Start_9_OG [0x09f]
                                AOCU_NM               5 02-76 00 b4 b5 24 8b
2025/05/06  14:44:00.0  AOCS_ORe-point_Start_10_OG [0x0a0]
                                AOCU_NM               5 02-76 00 d6 36 48 72
2025/05/06  14:54:00.0  AOCS_ORe-point_Start_11_OG [0x0a1]
                                AOCU_NM               5 02-76 00 29 ca b7 8e
2025/05/06  15:04:00.0  AOCS_ORe-point_Start_12_OG [0x0a2]
                                AOCU_NM               5 02-76 00 4b 4b db 75
2025/05/06  15:20:00.0  AOCS_ORe-point_Start_13_OG [0x0a3]
                                AOCU_NM               5 02-76 00 53 a5 00 00
2025/05/06  15:37:00.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2025/05/06  15:37:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2025/05/06  15:37:04.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION    4 07-F8 22 ff aa 00
2025/05/06  15:37:24.0  XRT_FLD_DIS_418_OG [0x1a2]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2025/05/06  15:39:24.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2025/05/06  15:39:26.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2025/05/06  15:39:28.0  XRT_QT_PROG_SET_416_OG [0x1a0]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 0f
2025/05/06  15:39:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2025/05/06  15:53:00.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2025/05/06  16:13:00.0  AOCS_ORe-point_Start_14_OG [0x0a4]
                                AOCU_NM               5 02-76 00 4b 4b 24 8b
2025/05/06  16:29:00.0  AOCS_ORe-point_Start_15_OG [0x0a5]
                                AOCU_NM               5 02-76 00 29 db 48 72
2025/05/06  16:37:54.0  XRT_CTRL_MANU_402_OG [0x192]
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                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  16:37:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/05/06  16:38:00.5  AOCS_ORe-point_Start_3_OG [0x099]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2025/05/06  16:38:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2025/05/06  16:38:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/05/06  16:38:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2025/05/06  16:38:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/06  16:38:24.0  XRT_FLD_RESET_446_OG [0x1be]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/06  16:40:56.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2025/05/06  16:40:58.0  XRT_FL_PROG_SET_401_OG [0x191]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0c
2025/05/06  16:41:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/06  17:00:00.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  17:00:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  17:00:04.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/05/06  17:00:24.0  XRT_FLD_DIS_409_OG [0x199]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2025/05/06  17:00:26.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2025/05/06  17:00:28.0  XRT_ARS_DIS_435_OG [0x1b3]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/06  17:03:04.0  XRT_QT_PROG_SET_404_OG [0x194]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 11
2025/05/06  17:03:06.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/06  17:15:30.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  17:15:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  17:15:34.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/05/06  17:15:54.0  XRT_FLD_DIS_418_OG [0x1a2]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2025/05/06  17:17:54.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2025/05/06  17:17:56.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/06  17:17:58.0  XRT_QT_PROG_SET_437_OG [0x1b5]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 08
2025/05/06  17:18:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/06  17:29:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  17:29:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  17:29:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2025/05/06  17:30:00.0  AOCS_ORe-point_Start_16_OG [0x0a6]
                                        AOCU_NM              5 02-76 00 ad 59 00 00
2025/05/06  17:30:18.0  XRT_FLD_DIS_443_OG [0x1bb]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2025/05/06  17:44:54.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2025/05/06  17:44:56.0  XRT_ARS_DIS_427_OG [0x1ab]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/06  17:44:58.0  XRT_QT_PROG_SET_441_OG [0x1b9]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 04
2025/05/06  17:45:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/06  19:29:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  19:29:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  19:29:58.0  XRT_FOCUS_POSITION_447_OG [0x1bf]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2025/05/06  19:30:00.0  AOCS_ORe-point_Start_17_OG [0x0a7]
                                        AOCU_NM              5 02-76 00 00 00 56 35
2025/05/06  19:30:18.0  XRT_FLD_DIS_443_OG [0x1bb]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2025/05/06  19:44:54.0  XRT_ARS_DIS_427_OG [0x1ab]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/06  19:44:56.0  XRT_FLRCTRL_DIS_449_OG [0x1c1]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2025/05/06  19:44:58.0  XRT_QT_PROG_SET_433_OG [0x1b1]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 01
2025/05/06  19:45:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/06  21:29:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  21:29:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
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2025/05/06  21:30:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2025/05/06  21:30:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/05/06  21:30:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2025/05/06  21:30:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/06  21:30:24.0  XRT_FLD_RESET_446_OG [0x1be]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/06  21:32:56.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2025/05/06  21:32:58.0  XRT_FL_PROG_SET_401_OG [0x191]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0c
2025/05/06  21:33:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/06  22:10:00.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  22:10:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  22:10:04.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/05/06  22:10:24.0  XRT_FLD_DIS_418_OG [0x1a2]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2025/05/06  22:12:24.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2025/05/06  22:12:26.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/06  22:12:28.0  XRT_QT_PROG_SET_416_OG [0x1a0]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0f
2025/05/06  22:12:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/06  22:24:00.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  22:24:02.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/05/06  22:24:22.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2025/05/06  22:24:24.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/05/06  22:24:26.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2025/05/06  22:24:28.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/06  22:24:30.0  XRT_FLD_RESET_446_OG [0x1be]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/06  22:27:02.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2025/05/06  22:27:04.0  XRT_FL_PROG_SET_401_OG [0x191]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0c
2025/05/06  22:43:00.0  XRT_Custom_430_OG [0x1ae]
2025/05/06  22:44:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/06  23:51:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  23:51:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  23:51:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/06  23:51:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/06  23:54:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/06  23:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  23:59:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/06  23:59:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2025/05/07  00:00:00.0  AOCS_ORe-point_Start_18_OG [0x0a8]
                                AOCU_NM              5 02-76 02 04 31 01 db
2025/05/07  00:00:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2025/05/07  00:00:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/05/07  00:00:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2025/05/07  00:00:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/07  00:00:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  00:02:56.0  XRT_QT_PROG_SET_444_OG [0x1bc]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 14
2025/05/07  00:02:58.0  XRT_FL_PROG_SET_401_OG [0x191]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0c
2025/05/07  00:17:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  00:18:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  01:29:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  01:29:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  01:29:04.0  XRT_FLD_RESET_415_OG [0x19f]
```

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                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  01:29:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  01:32:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  01:55:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  01:56:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  02:57:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  02:57:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  02:57:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  02:57:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  03:00:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  03:33:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  03:34:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  03:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  03:59:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/05/07  04:00:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2025/05/07  04:00:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2025/05/07  04:00:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/05/07  04:00:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2025/05/07  04:00:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/07  04:00:24.0  XRT_FLD_RESET_446_OG [0x1be]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  04:02:56.0  XRT_QT_PROG_SET_420_OG [0x1a4]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 10
2025/05/07  04:02:58.0  XRT_FL_PROG_SET_401_OG [0x191]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0c
2025/05/07  04:03:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  04:30:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  04:30:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  04:30:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  04:30:36.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  04:33:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  05:11:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  05:12:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  05:36:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  05:36:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  05:36:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/05/07  05:36:30.0  AOCS_ORe-point_Start_3_OG [0x099]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2025/05/07  05:36:48.0  XRT_FLD_DIS_409_OG [0x199]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2025/05/07  05:36:50.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2025/05/07  05:36:52.0  XRT_ARS_DIS_435_OG [0x1b3]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/07  05:39:28.0  XRT_QT_PROG_SET_404_OG [0x194]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 11
2025/05/07  05:39:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  05:46:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  05:46:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  05:46:28.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2025/05/07  05:46:30.0  AOCS_ORe-point_Start_18_OG [0x0a8]
                                        AOCU_NM              5 02-76 02 04 31 01 db
2025/05/07  05:46:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2025/05/07  05:46:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/05/07  05:46:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2025/05/07  05:46:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/07  05:46:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  05:49:26.0  XRT_QT_PROG_SET_444_OG [0x1bc]
```

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                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 14
2025/05/07  05:49:28.0  XRT_FL_PROG_SET_401_OG [0x191]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0c
2025/05/07  05:49:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  06:03:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  06:03:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  06:03:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  06:03:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  06:06:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  06:50:00.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  06:51:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  07:43:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  07:43:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  07:43:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  07:43:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  07:46:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  08:28:00.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  08:29:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  09:22:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  09:22:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  09:22:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  09:22:36.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  09:25:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  10:06:00.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  10:07:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  11:03:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  11:03:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  11:03:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  11:03:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  11:06:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  11:16:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  11:17:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  11:18:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  11:18:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  11:18:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  11:18:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  11:21:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  11:44:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  11:45:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  12:56:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  12:56:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  12:56:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  12:56:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  12:59:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  13:22:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  13:23:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  14:34:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  14:34:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  14:34:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  14:34:36.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  14:37:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
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2025/05/07  15:00:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  15:01:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  16:12:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  16:12:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  16:12:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  16:12:36.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  16:15:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  16:39:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  16:40:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  16:41:31.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  16:41:33.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  16:41:35.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  16:41:37.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  16:44:45.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  16:48:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  16:49:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  17:29:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  17:29:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  17:29:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/05/07  17:30:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                AOCU_NM              5 02-76 00 00 00 00 00
2025/05/07  17:30:18.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2025/05/07  17:30:20.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2025/05/07  17:30:22.0  XRT_ARS_DIS_435_OG [0x1b3]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/07  17:32:58.0  XRT_QT_PROG_SET_404_OG [0x194]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 11
2025/05/07  17:33:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  17:40:00.0  AOCS_ORe-point_Start_19_OG [0x0a9]
                                AOCU_NM              5 02-76 00 00 00 ac 00
2025/05/07  17:47:30.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  17:47:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  17:47:34.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/05/07  17:47:54.0  XRT_FLD_DIS_418_OG [0x1a2]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2025/05/07  17:49:54.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2025/05/07  17:49:56.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/07  17:49:58.0  XRT_QT_PROG_SET_416_OG [0x1a0]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0f
2025/05/07  17:50:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  18:01:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  18:01:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  18:01:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2025/05/07  18:02:00.0  AOCS_ORe-point_Start_18_OG [0x0a8]
                                AOCU_NM              5 02-76 02 04 31 01 db
2025/05/07  18:02:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2025/05/07  18:02:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/05/07  18:02:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2025/05/07  18:02:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/07  18:02:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  18:04:56.0  XRT_QT_PROG_SET_444_OG [0x1bc]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 14
2025/05/07  18:04:58.0  XRT_FL_PROG_SET_401_OG [0x191]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0c
2025/05/07  18:25:00.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  18:26:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  19:29:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  19:29:02.0  XRT_CTRL_MANU_402_OG [0x192]
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                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  19:29:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  19:29:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  19:32:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  20:01:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  20:02:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  21:07:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  21:07:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  21:07:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  21:07:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  21:10:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  21:38:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  21:39:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/07  22:45:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  22:45:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/07  22:45:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/07  22:45:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/07  22:48:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/07  23:14:31.0  XRT_Custom_430_OG [0x1ae]
2025/05/07  23:15:31.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/08  00:23:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  00:23:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  00:23:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/08  00:23:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/08  00:26:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/08  00:49:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/08  00:50:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/08  01:58:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  01:58:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  01:58:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/08  01:58:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/08  02:01:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/08  02:28:00.0  XRT_Custom_430_OG [0x1ae]
2025/05/08  02:29:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/08  03:28:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  03:28:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  03:28:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/08  03:28:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/08  03:31:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/08  03:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  03:59:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/05/08  04:00:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2025/05/08  04:00:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2025/05/08  04:00:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/05/08  04:00:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2025/05/08  04:00:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/08  04:00:24.0  XRT_FLD_RESET_446_OG [0x1be]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/08  04:02:56.0  XRT_QT_PROG_SET_420_OG [0x1a4]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 10
2025/05/08  04:02:58.0  XRT_FL_PROG_SET_401_OG [0x191]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 0c
2025/05/08  04:06:00.0  XRT_Custom_430_OG [0x1ae]
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2025/05/08  04:07:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/08  04:56:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  04:56:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  04:56:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/08  04:56:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/08  04:59:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/08  05:44:00.0  XRT_Custom_430_OG [0x1ae]
2025/05/08  05:45:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/08  05:53:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  05:53:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  05:53:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2025/05/08  05:53:30.0  AOCS_ORe-point_Start_3_OG [0x099]
                                AOCU_NM              5 02-76 00 00 00 00 00
2025/05/08  05:53:48.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2025/05/08  05:53:50.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2025/05/08  05:53:52.0  XRT_ARS_DIS_435_OG [0x1b3]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/08  05:56:28.0  XRT_QT_PROG_SET_404_OG [0x194]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 11
2025/05/08  05:56:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/08  06:03:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  06:03:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  06:03:28.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2025/05/08  06:03:30.0  AOCS_ORe-point_Start_18_OG [0x0a8]
                                AOCU_NM              5 02-76 02 04 31 01 db
2025/05/08  06:03:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2025/05/08  06:03:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2025/05/08  06:03:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2025/05/08  06:03:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2025/05/08  06:03:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/08  06:06:26.0  XRT_QT_PROG_SET_444_OG [0x1bc]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 14
2025/05/08  06:06:28.0  XRT_FL_PROG_SET_401_OG [0x191]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0c
2025/05/08  06:06:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/08  06:36:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  06:36:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  06:36:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/08  06:36:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/08  06:39:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/08  07:22:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/08  07:23:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/08  08:16:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  08:16:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  08:16:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/08  08:16:06.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/08  08:19:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2025/05/08  09:00:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/08  09:01:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/08  09:55:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  09:55:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  09:55:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2025/05/08  09:55:36.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2025/05/08  09:58:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
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2025/05/08  10:38:30.0  XRT_Custom_430_OG [0x1ae]
2025/05/08  10:39:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2025/05/08  11:19:00.5  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2025/05/08  11:35:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                    AOCU_NM              5 02-76 00 00 00 00 00
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