

# XRT Timeline to be uploaded on 2024/02/15

Period: 2024/02/15 11:16:00 - 2024/02/20 11:25:00

\* \* \* \* \*

## Normal mode

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### XOB #1C94: AR (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 512x512 at 1064 1048, thick-Al context, with G-band (1ms/1ms leak), 300s

| Term                            | Pointing (x, y)  | Comment   |
|---------------------------------|--|---|
| 02/15 11:37:00 - 02/15 17:59:54 | Track ( 842.0, -253.2) <small>© 02/15 11:26:00</small> | # OP start + 10min. Major Flare Watch (AR 13576). |
| 02/15 18:13:00 - 02/16 05:59:54 | Track ( 863.6, -259.7) <small>© 02/15 18:10:00</small> | # AR cont.  |
| 02/16 06:13:00 - 02/16 12:59:54 | Track ( 892.7, -271.8) <small>© 02/16 06:10:00</small> | # AR cont.  |

**PROG= 04 Inf.-time(s)**

| Subr= 1                            | 1-time(s)      | 2.0sec |               |               |       |      |      |                    |         |                      |            |          |   |        |
|------------------------------------|----------------|--------|---------------|---------------|-------|------|------|--------------------|---------|----------------------|------------|----------|---|--------|
| <b>Seqn= 81 1-time(s) 2.0sec</b>   |                |        | Open/G-band   | Open/G-band   | open  | Safe | Norm | 1ms                | Obs 1x1 | 512x512 (1064, 1048) | Q=90       | 0        | 0 | 2.0sec |
|                                    |                |        | Open/G-band   | Open/G-band   | close | Safe | Norm | 1ms                | Obs 1x1 | 512x512 (1064, 1048) | Q=95       | 0        | 0 | 2.0sec |
| <b>Seqn= 82 1-time(s) 2.0sec</b>   |                |        | Al-poly/Open  | Al-poly/Open  | close | Safe | Dark | 1.00s              | Obs 1x1 | 512x512 (1064, 1048) | DPCM       | 0        | 0 | 2.0sec |
| <b>Seqn= 71 3-time(s) 2.0sec</b>   |                |        | Open/thick-Al | Open/thick-Be | close | Safe | Norm | 16.0s              | Obs 1x1 | 512x512 (1064, 1048) | Q=98       | 3        | 0 | 2.0sec |
| <b>Subr= 2 20-time(s) 300.0sec</b> |                |        |               |               |       |      |      |                    |         |                      |            |          |   |        |
| <b>Seqn= 94 1-time(s) 100.0sec</b> |                |        | Al-poly/Open  | thin-Be/Open  | close | Safe | Norm | 250ms              | Obs 1x1 | 512x512 (1064, 1048) | Q=95       | 2        | 0 | 2.0sec |
|                                    |                |        | Al-poly/Open  | thin-Be/Open  | close | Safe | Norm | 250ms              | Obs 1x1 | 512x512 (1064, 1048) | Q=95       | 3        | 0 | 2.0sec |
| <b>Seqn= 58 1-time(s) 100.0sec</b> |                |        | Al-poly/Open  | thin-Be/Open  | close | Safe | Norm | 500ms              | Obs 1x1 | 384x384 (1064, 1048) | Q=95       | 3        | 1 | 2.0sec |
|                                    |                |        | thin-Be/Open  | med-Be/Open   | close | Safe | Norm | 1.00s              | Obs 1x1 | 384x384 (1064, 1048) | Q=95       | 3        | 1 | 2.0sec |
| <b>Seqn= 48 1-time(s) 2.0sec</b>   |                |        | Al-poly/Open  | thin-Be/Open  | close | Safe | Norm | 500ms              | Obs 1x1 | 384x384 (1064, 1048) | Q=95       | 3        | 2 | 2.0sec |
|                                    |                |        | thin-Be/Open  | med-Be/Open   | close | Safe | Norm | 1.00s              | Obs 1x1 | 384x384 (1064, 1048) | Q=95       | 3        | 2 | 2.0sec |
| Default Filter                     | Thicker Filter | VLS    | mode          | image         | Exp.  | CCD  | Bin  | ROI: size (center) |         | Comp.                | AEC Buffer | Interval |   |        |

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

| Term                            | Pointing (x, y)   | Comment                   |
|---------------------------------|-------------------|---------------------------|
| 02/15 18:03:00 - 02/15 18:09:54 | Fixed ( 0.0, 0.0) | synoptic                  |
| 02/16 18:03:30 - 02/16 18:10:24 | Fixed ( 0.0, 0.0) | synoptic, shifted 0.5 min |

**PROG= 19 1-time(s)**

| Subr= 1                          | 1-time(s)      | 2.0sec |                 |                  |       |      |      |                    |         |                        |            |          |   |        |
|----------------------------------|----------------|--------|-----------------|------------------|-------|------|------|--------------------|---------|------------------------|------------|----------|---|--------|
| <b>Seqn= 5 1-time(s) 2.0sec</b>  |                |        | 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 |
| <b>Seqn= 26 1-time(s) 2.0sec</b> |                |        | Open/Al-mesh    | Open/Al-mesh     | close | Safe | Norm | 5ms                | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
|                                  |                |        | Open/Al-mesh    | Open/Al-mesh     | close | Safe | Norm | 125ms              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
|                                  |                |        | Open/Al-mesh    | Open/Al-mesh     | close | Safe | Norm | 707ms              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
| <b>Seqn= 99 1-time(s) 2.0sec</b> |                |        | Al-poly/Open    | Al-poly/Open     | close | Safe | Norm | 8ms                | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
|                                  |                |        | Al-poly/Open    | Al-poly/Open     | close | Safe | Norm | 177ms              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
|                                  |                |        | Al-poly/Open    | Al-poly/thick-Al | close | Safe | Norm | 1.41s              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
| <b>Seqn= 83 1-time(s) 2.0sec</b> |                |        | thin-Be/Open    | thin-Be/Open     | close | Safe | Norm | 32ms               | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
|                                  |                |        | thin-Be/Open    | thin-Be/Open     | close | Safe | Norm | 500ms              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
|                                  |                |        | thin-Be/Open    | thin-Be/Open     | close | Safe | Norm | 4.00s              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
| <b>Seqn= 23 1-time(s) 4.0sec</b> |                |        | Open/G-band     | Open/G-band      | open  | Safe | Norm | 1ms                | Obs 1x1 | 2048x2048 (1024, 1024) | Q=90       | 0        | 0 | 2.0sec |
|                                  |                |        | Open/G-band     | Open/G-band      | close | Safe | Norm | 1ms                | Obs 1x1 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
| <b>Subr= 2 1-time(s) 2.0sec</b>  |                |        |                 |                  |       |      |      |                    |         |                        |            |          |   |        |
| <b>Seqn= 41 1-time(s) 2.0sec</b> |                |        | Open/thick-Be   | Open/thick-Be    | close | Safe | Norm | 32.0s              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=98       | 0        | 0 | 2.0sec |
| <b>Seqn= 17 1-time(s) 2.0sec</b> |                |        | med-Al/Open     | med-Al/thick-Al  | close | Safe | Norm | 250ms              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
|                                  |                |        | med-Al/Open     | med-Al/thick-Al  | close | Safe | Norm | 8.00s              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
|                                  |                |        | med-Al/Open     | med-Al/Open      | close | Safe | Norm | 32.0s              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
| <b>Seqn= 33 1-time(s) 2.0sec</b> |                |        | med-Be/Open     | Open/thick-Al    | close | Safe | Norm | 125ms              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
|                                  |                |        | med-Be/Open     | med-Be/Open      | close | Safe | Norm | 5.66s              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
|                                  |                |        | med-Be/Open     | med-Be/Open      | close | Safe | Norm | 22.6s              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
| <b>Seqn= 75 1-time(s) 2.0sec</b> |                |        | Al-poly/Ti-poly | Al-poly/thick-Al | close | Safe | Norm | 44ms               | Obs 2x2 | 2048x2048 (1024, 1024) | Q=98       | 0        | 0 | 2.0sec |
|                                  |                |        | Al-poly/Ti-poly | Al-poly/thick-Al | close | Safe | Norm | 2.00s              | Obs 2x2 | 2048x2048 (1024, 1024) | Q=98       | 0        | 0 | 2.0sec |
| Default Filter                   | Thicker Filter | VLS    | mode            | image            | Exp.  | CCD  | Bin  | ROI: size (center) |         | Comp.                  | AEC Buffer | Interval |   |        |

### XOB #1D08: Synoptic for HOP448 w/ Al-mesh(3/128/723), Al-poly(5/181/1443), Thin-Be(24/512/4096), Thick-Be(32768), Med-Al(181/5795/32768), Med-Be(88/4)

| Term                            | Pointing (x, y)   | Comment  |
|---------------------------------|-------------------|----------|
| 02/16 06:03:00 - 02/16 06:09:54 | Fixed ( 0.0, 0.0) | synoptic |

| PROG= 05 1-time(s)        |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|---------------------------|----------------|------------------|-------|------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| Subr= 1 1-time(s) 2.0sec  |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
| Seqn= 5 1-time(s) 2.0sec  |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                           | Open/Ti-poly   | Open/thick-Al    | close | Safe | Dark  | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
|                           | Open/Ti-poly   | Open/thick-Al    | close | Safe | Dark  | 500ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
|                           | Open/Ti-poly   | Open/thick-Al    | close | Safe | Dark  | 500ms | Obs | 8x8 | 2048x2048 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
|                           | Open/Ti-poly   | Open/thick-Al    | close | Safe | Dark  | 500ms | Obs | 1x1 | 2048x512 (1024, 1024)  | DPCM  | 0          | 0        | 2.0sec |
|                           | Open/Ti-poly   | Open/thick-Al    | close | Safe | Dark  | 500ms | Obs | 1x1 | 512x2048 (1024, 1024)  | DPCM  | 0          | 0        | 2.0sec |
| Seqn= 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 |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                           | 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= 76 1-time(s) 2.0sec |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                           | thin-Be/Open   | thin-Be/Open     | close | Safe | Norm  | 24ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                           | thin-Be/Open   | thin-Be/Open     | close | Safe | Norm  | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                           | thin-Be/Open   | thin-Be/Open     | close | Safe | Norm  | 4.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
| Seqn= 23 1-time(s) 4.0sec |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                           | Open/G-band    | Open/G-band      | open  | Safe | Norm  | 1ms   | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=90  | 0          | 0        | 2.0sec |
|                           | Open/G-band    | Open/G-band      | close | Safe | Norm  | 1ms   | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
| Subr= 2 1-time(s) 2.0sec  |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
| Seqn= 41 1-time(s) 2.0sec |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                           | Open/thick-Be  | Open/thick-Be    | close | Safe | Norm  | 32.0s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
| Seqn= 18 1-time(s) 2.0sec |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                           | med-Al/Open    | med-Al/thick-Al  | close | Safe | Norm  | 177ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                           | med-Al/Open    | med-Al/Open      | close | Safe | Norm  | 5.66s | 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= 86 1-time(s) 2.0sec |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                           | med-Be/Open    | Open/thick-Al    | close | Safe | Norm  | 86ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                           | med-Be/Open    | med-Be/Open      | close | Safe | Norm  | 4.00s | 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 |
|                           | Default Filter | Thicker Filter   | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)     | Comp. | AEC Buffer | Interval |        |

**XOB #1C2B: AR (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 512x512 at 1064 1048, thick-Al context, with G-band (1ms/1ms leak), 90s**

| Term                            | Pointing (x, y)        | Comment                               |
|---------------------------------|------------------------|---------------------------------------|
| 02/16 13:03:00 - 02/16 18:00:24 | Fixed ( 904.0, -278.0) | # Switch to Fixed Pointing. AR 13576. |

| PROG= 06 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 |
| Seqn= 71 3-time(s) 2.0sec  |                |                |       |      |       |       |     |     |                      |       |            |          |        |
|                            | Open/thick-Al  | Open/thick-Be  | close | Safe | Norm  | 16.0s | Obs | 1x1 | 512x512 (1064, 1048) | Q=98  | 3          | 0        | 2.0sec |
| Subr= 2 60-time(s) 90.0sec |                |                |       |      |       |       |     |     |                      |       |            |          |        |
| Seqn= 94 1-time(s) 40.0sec |                |                |       |      |       |       |     |     |                      |       |            |          |        |
|                            | Al-poly/Open   | thin-Be/Open   | close | Safe | Norm  | 250ms | Obs | 1x1 | 512x512 (1064, 1048) | Q=95  | 2          | 0        | 2.0sec |
|                            | Al-poly/Open   | thin-Be/Open   | close | Safe | Norm  | 250ms | Obs | 1x1 | 512x512 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec |
| Seqn= 58 1-time(s) 40.0sec |                |                |       |      |       |       |     |     |                      |       |            |          |        |
|                            | Al-poly/Open   | thin-Be/Open   | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 1        | 2.0sec |
|                            | thin-Be/Open   | med-Be/Open    | close | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 1        | 2.0sec |
| Seqn= 48 1-time(s) 2.0sec  |                |                |       |      |       |       |     |     |                      |       |            |          |        |
|                            | Al-poly/Open   | thin-Be/Open   | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 2        | 2.0sec |
|                            | thin-Be/Open   | med-Be/Open    | close | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 2        | 2.0sec |
|                            | Default Filter | Thicker Filter | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |        |

**XOB #1C91: AR (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 512x512 at 1064 1048, thick-Al context, with G-band (1ms/1ms leak), 180s**

| Term                            | Pointing (x, y)        | Comment    |
|---------------------------------|------------------------|------------|
| 02/16 18:13:30 - 02/17 05:29:54 | Fixed ( 904.0, -278.0) | # AR cont. |
| 02/17 05:43:00 - 02/17 10:56:30 | Fixed ( 904.0, -278.0) | # AR cont. |

| PROG= 09 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 |
| Seqn= 71 3-time(s) 2.0sec   |               |               |       |      |      |       |     |     |                      |      |   |   |        |
|                             | Open/thick-Al | Open/thick-Be | close | Safe | Norm | 16.0s | Obs | 1x1 | 512x512 (1064, 1048) | Q=98 | 3 | 0 | 2.0sec |
| Subr= 2 40-time(s) 180.0sec |               |               |       |      |      |       |     |     |                      |      |   |   |        |
| Seqn= 94 1-time(s) 40.0sec  |               |               |       |      |      |       |     |     |                      |      |   |   |        |
|                             | Al-poly/Open  | thin-Be/Open  | close | Safe | Norm | 250ms | Obs | 1x1 | 512x512 (1064, 1048) | Q=95 | 2 | 0 | 2.0sec |
|                             | Al-poly/Open  | thin-Be/Open  | close | Safe | Norm | 250ms | Obs | 1x1 | 512x512 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| Seqn= 58 1-time(s) 40.0sec  |               |               |       |      |      |       |     |     |                      |      |   |   |        |
|                             | Al-poly/Open  | thin-Be/Open  | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 1 | 2.0sec |

|                                  |                |       |      |       |       |     |     |                      |       |            |          |        |
|----------------------------------|----------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| thin-Be/Open                     | med-Be/Open    | close | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 1        | 2.0sec |
| <b>Seqn= 48 1-time(s) 2.0sec</b> |                |       |      |       |       |     |     |                      |       |            |          |        |
| Al-poly/Open                     | thin-Be/Open   | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 2        | 2.0sec |
| thin-Be/Open                     | med-Be/Open    | close | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 2        | 2.0sec |
| Default Filter                   | Thicker Filter | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |        |

\* \* \* \* \*

### Flare mode

\* \* \* \* \*

#### XOB #1C96: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Be/thick), AEC 3, 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512x512 2x2) + G

| Term                            | Pointing (x, y)                                    | Comment   |
|---------------------------------|--|---|
| 02/15 11:37:00 - 02/15 17:59:54 | Track ( 842.0, -253.2) <sup>Ⓢ 02/15 11:26:00</sup> | # OP start + 10min. Major Flare Watch (AR 13576). |
| 02/15 18:13:00 - 02/16 05:59:54 | Track ( 863.6, -259.7) <sup>Ⓢ 02/15 18:10:00</sup> | # AR cont.  |
| 02/16 06:13:00 - 02/16 12:59:54 | Track ( 892.7, -271.8) <sup>Ⓢ 02/16 06:10:00</sup> | # AR cont.  |
| 02/16 13:03:00 - 02/16 18:00:24 | Fixed ( 904.0, -278.0)                             | # Switch to Fixed Pointing. AR 13576.             |
| 02/16 18:13:30 - 02/17 05:29:54 | Fixed ( 904.0, -278.0)                             | # AR cont.  |
| 02/17 05:43:00 - 02/17 10:56:30 | Fixed ( 904.0, -278.0)                             | # AR cont.  |

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

|                                   |                  |       |      |       |       |     |     |                      |       |            |          |        |
|-----------------------------------|------------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| <b>Subr= 1 20-time(s) 2.0sec</b>  |                  |       |      |       |       |     |     |                      |       |            |          |        |
| <b>Seqn= 11 1-time(s) 2.0sec</b>  |                  |       |      |       |       |     |     |                      |       |            |          |        |
| Al-poly/Open                      | Al-poly/thick-Al | close | Safe | Norm  | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |
| <b>Seqn= 73 1-time(s) 10.0sec</b> |                  |       |      |       |       |     |     |                      |       |            |          |        |
| 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 |
| <b>Subr= 2 1-time(s) 2.0sec</b>   |                  |       |      |       |       |     |     |                      |       |            |          |        |
| <b>Seqn= 10 1-time(s) 2.0sec</b>  |                  |       |      |       |       |     |     |                      |       |            |          |        |
| 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 |
| <b>Seqn= 11 1-time(s) 2.0sec</b>  |                  |       |      |       |       |     |     |                      |       |            |          |        |
| Al-poly/Open                      | Al-poly/thick-Al | close | Safe | Norm  | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |
| <b>Seqn= 87 1-time(s) 2.0sec</b>  |                  |       |      |       |       |     |     |                      |       |            |          |        |
| 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

\* \* \* \* \*

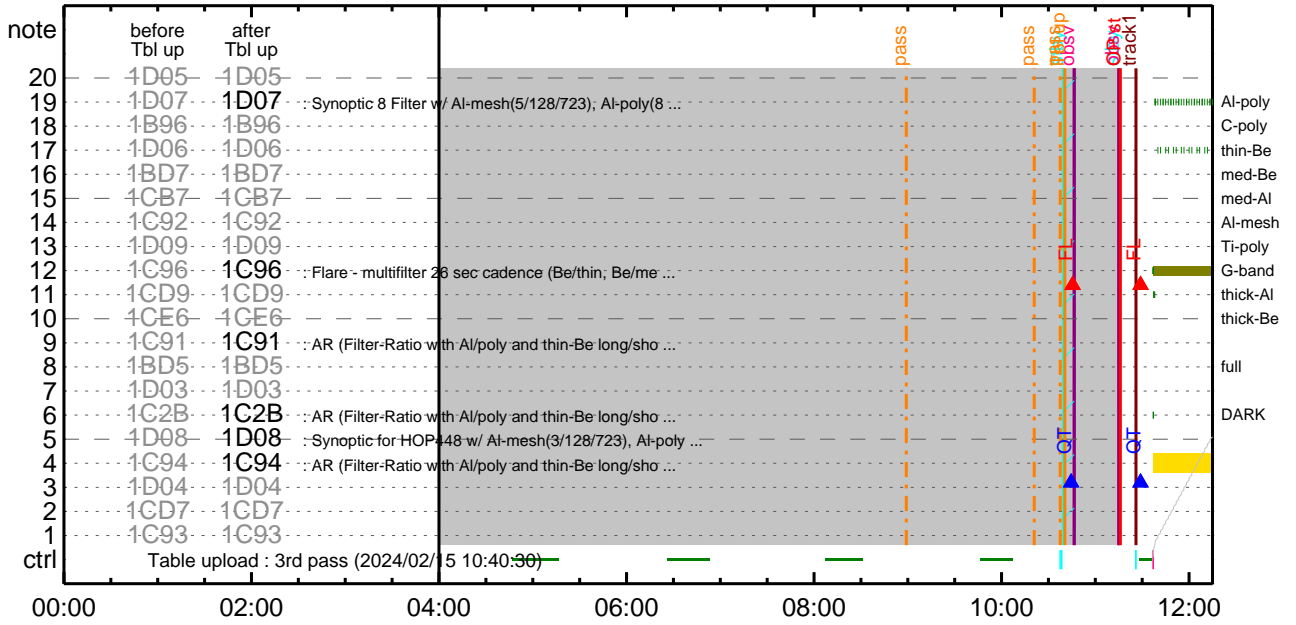
### Flare Detection

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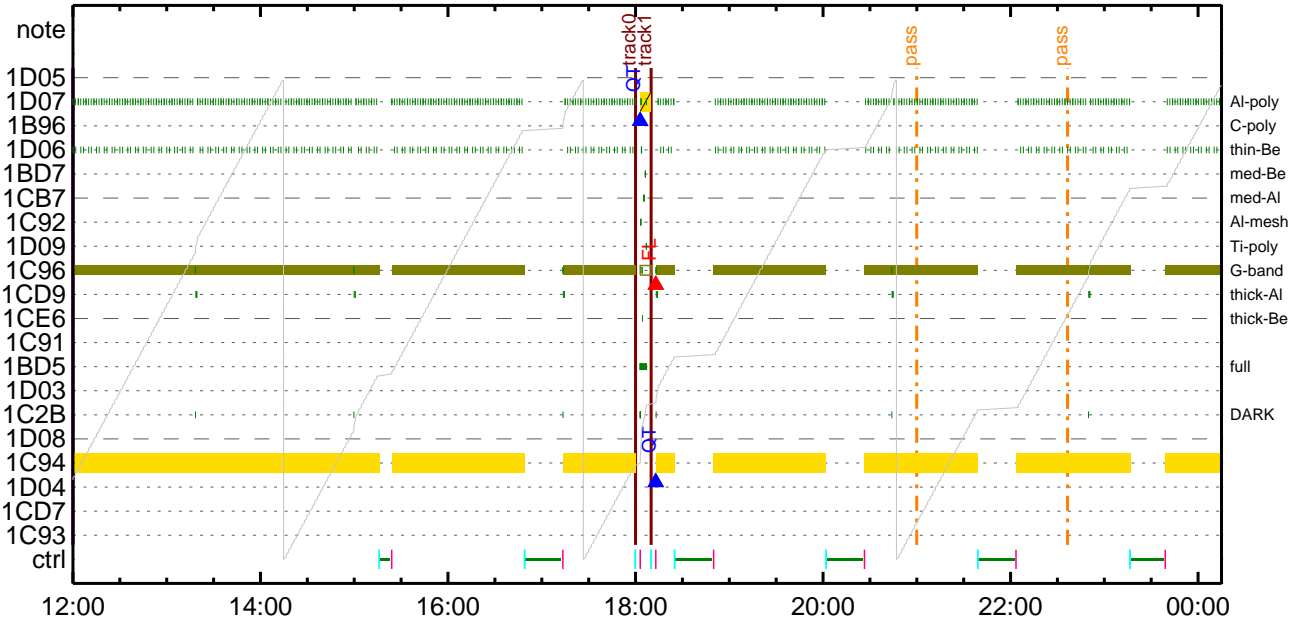
#### FLD Patrol

| Term                            | Pointing (x, y)                                    | Comment  |
|---------------------------------|--|--|
| 02/15 10:41:30 - 02/15 18:00:18 | cannot be identified                               |  |
| 02/15 18:10:18 - 02/16 06:00:18 | Track ( 863.6, -259.7) <sup>Ⓢ 02/15 18:10:00</sup> | # AR cont.   |
| 02/16 06:10:18 - 02/16 18:00:48 | Track ( 892.7, -271.8) <sup>Ⓢ 02/16 06:10:00</sup> | # AR cont.   |
| 02/16 18:10:48 - 02/17 05:30:18 | Fixed ( 904.0, -278.0)                             | # AR cont.   |
| 02/17 05:40:18 - 02/20 11:25:00 | Fixed ( 904.0, -278.0)                             | # AR cont.   |
| Al-poly/Open                    | Al-poly/Open                                       | close Safe Norm 4ms Obs 8x8 Q=50 30sec                                   |
| Default Filter                  | Thicker Filter                                     | VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval |

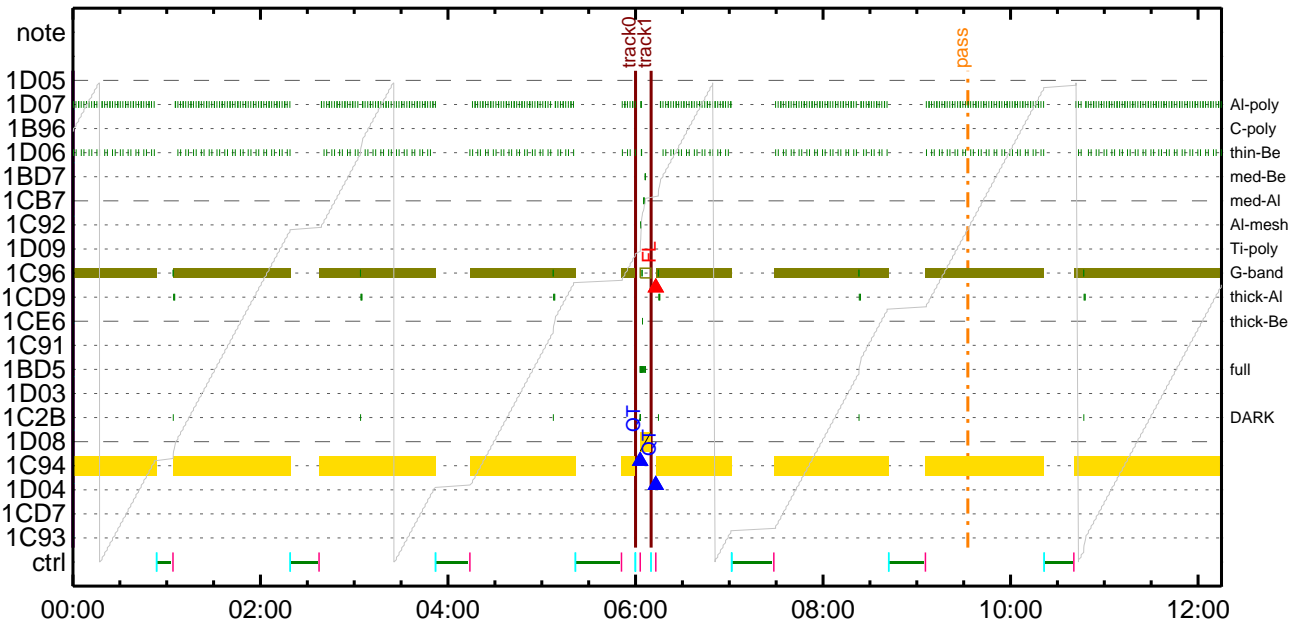
CMDI #0623 2024/02/15



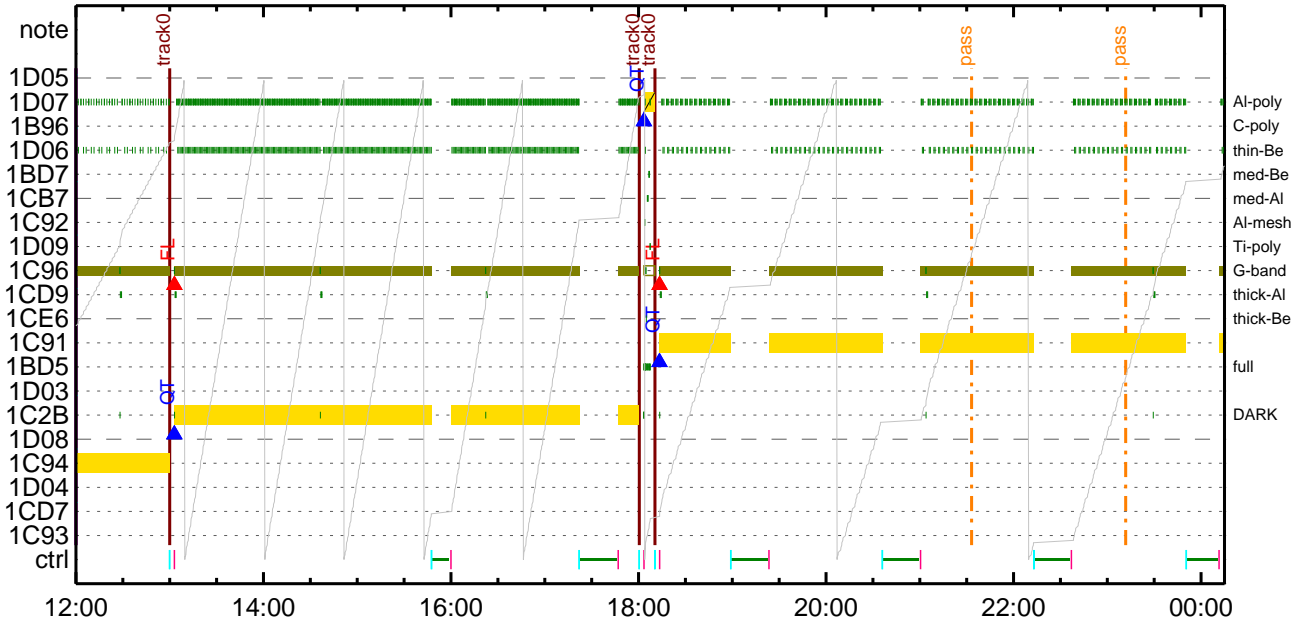
CMDI #0623 2024/02/15



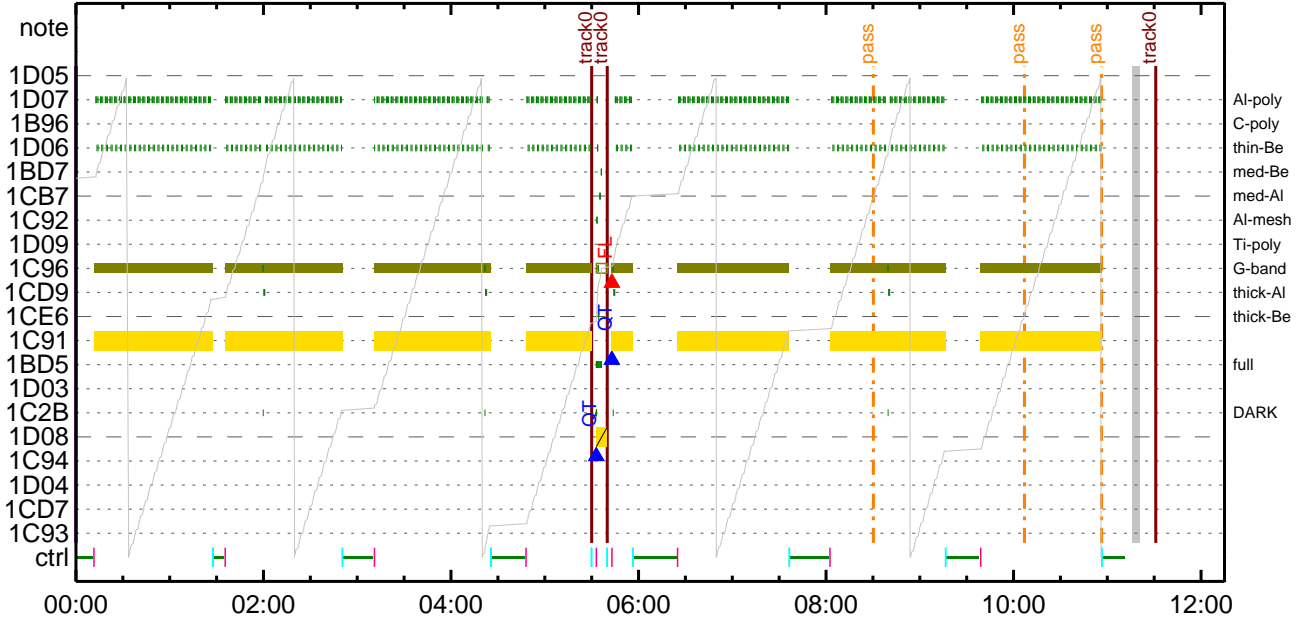
CMDI #0623 2024/02/16



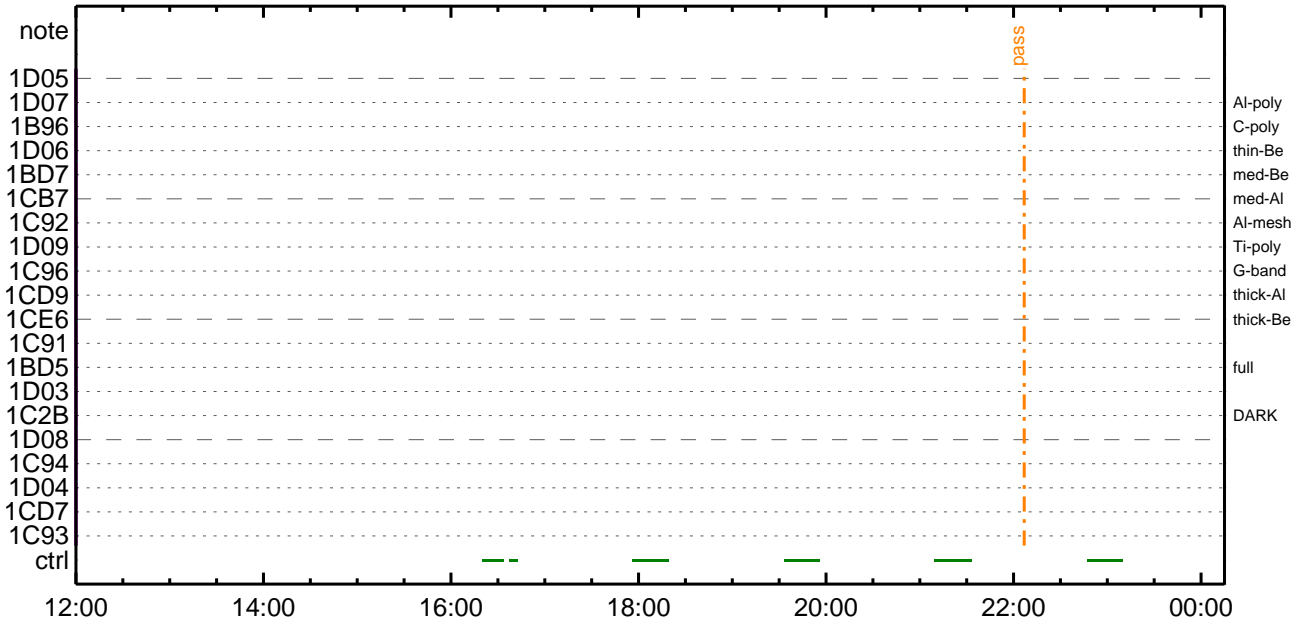
CMDI #0623 2024/02/16



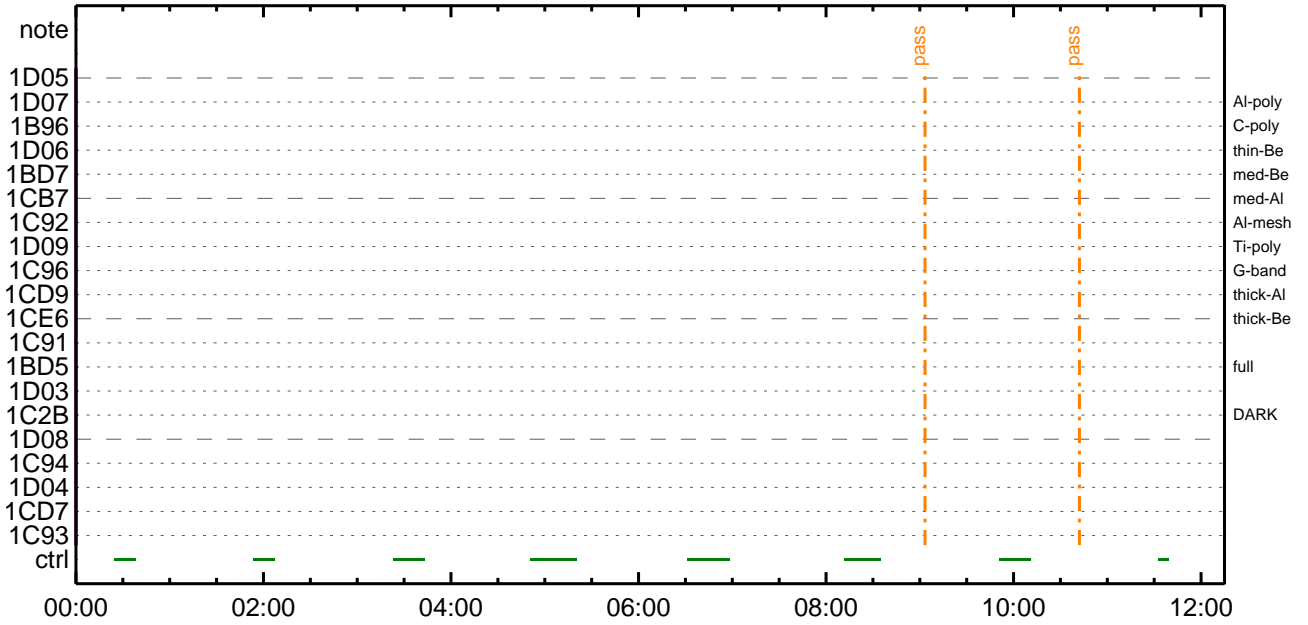
CMDI #0623 2024/02/17



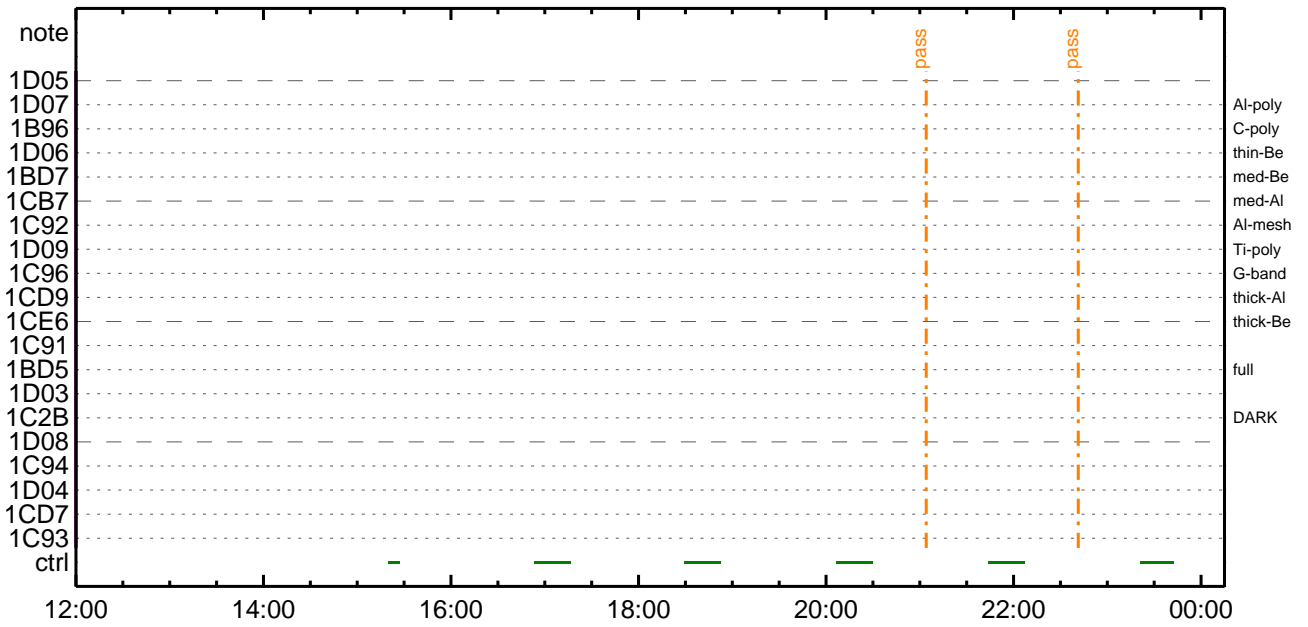
CMDI #0623 2024/02/17



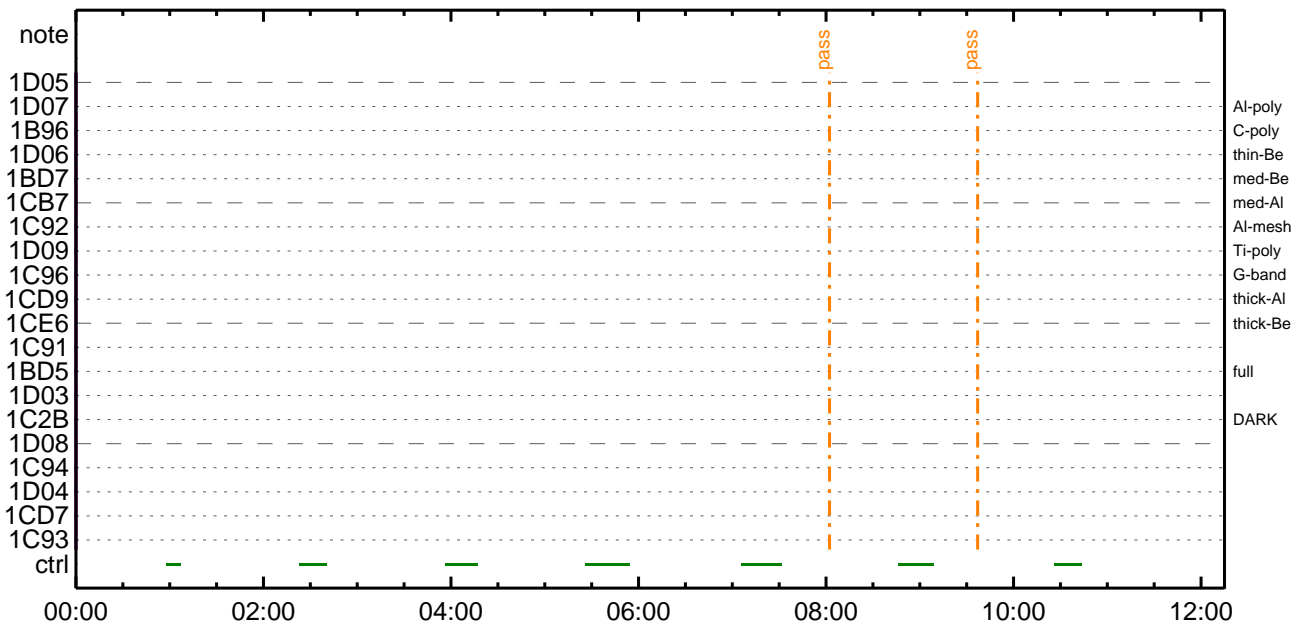
CMDI #0623 2024/02/18



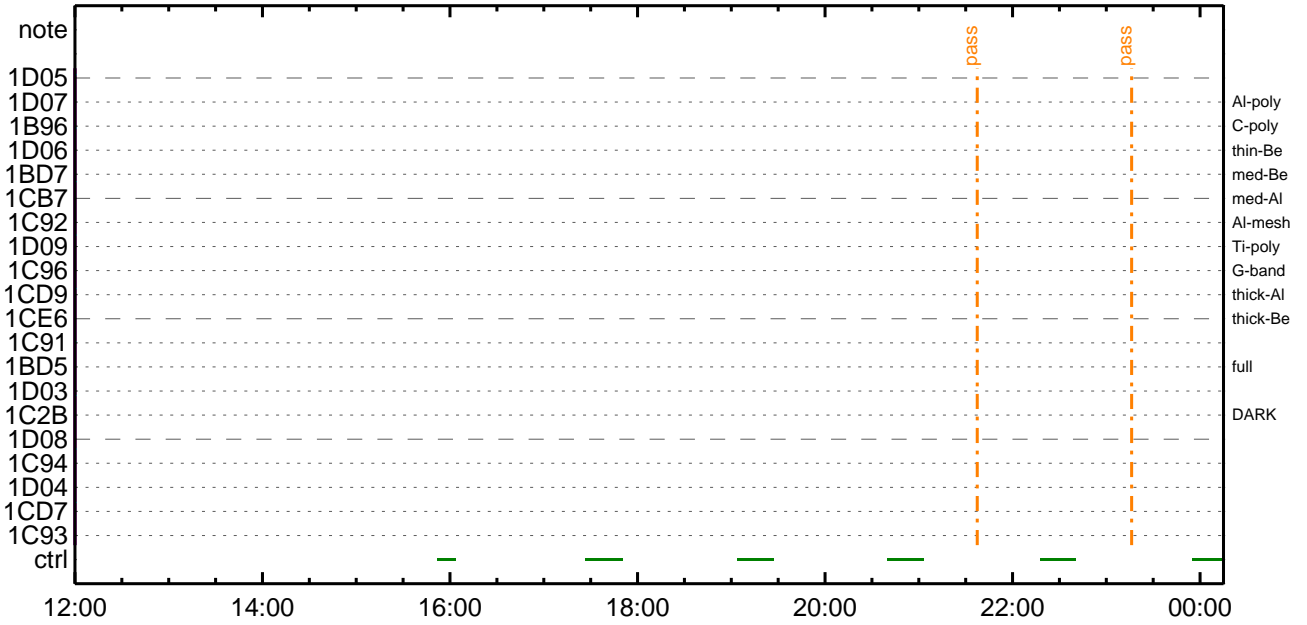
CMDI #0623 2024/02/18



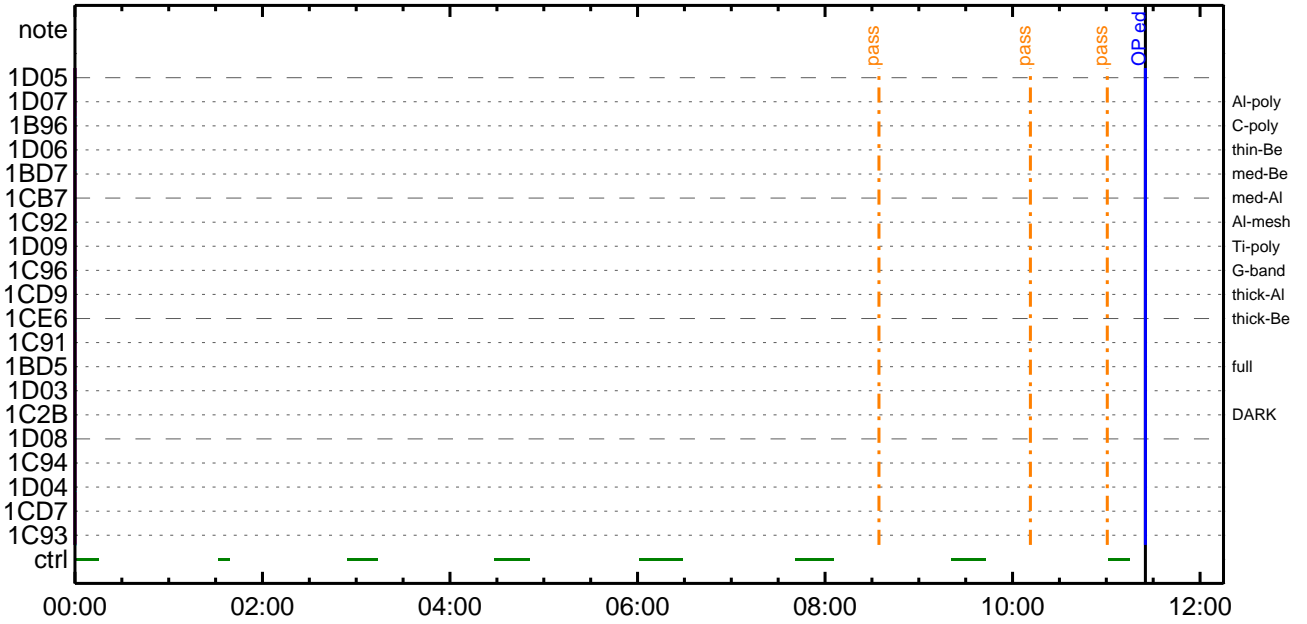
CMDI #0623 2024/02/19



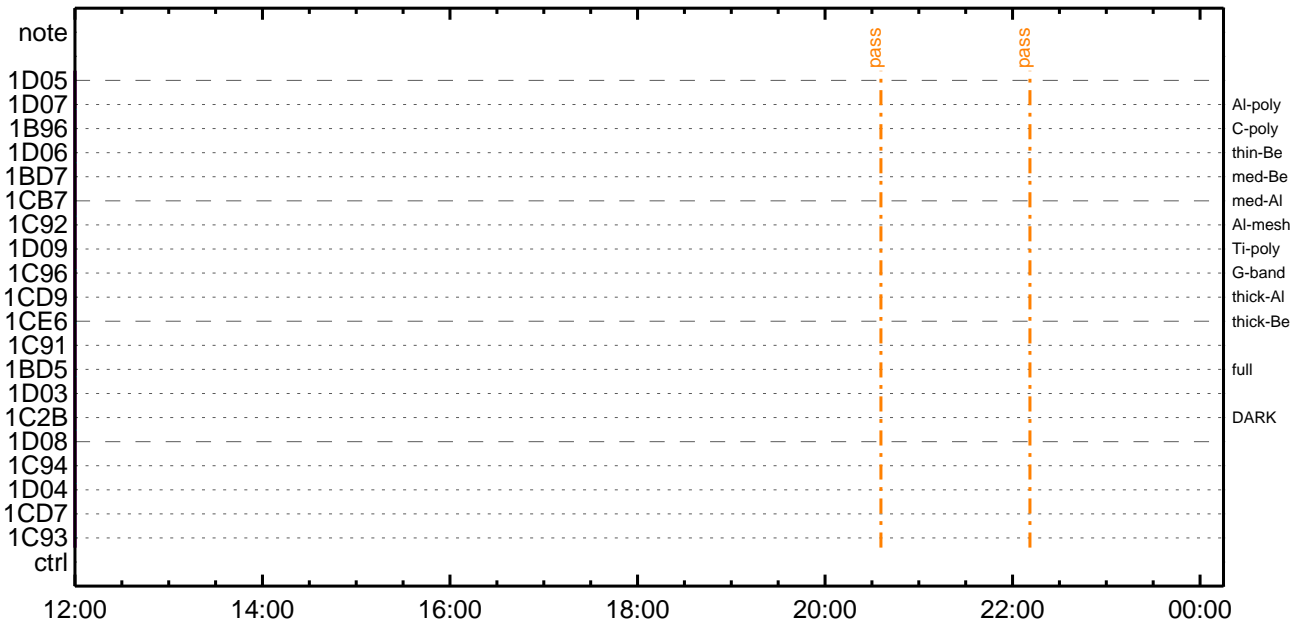
CMDI #0623 2024/02/19



CMDI #0623 2024/02/20



CMDI #0623 2024/02/20







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0096 C.
0097 C.
0098 C.
0099 C. OP/OGY1;4YE;ä
0100 C.
0101 C.
0102 C. äOP/OGY1;4YE;ä
0103 S. OP op-382:OP
0104 ( )
0105 S. OG og-382:OG
0106 ( )
0107 C.
0108 C. äNMOG&OPîî°èYÄYóYx;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. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YÄYóYx½ªî»òð³îç§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG□î¼Ē¹ç•Ě²îOK□ð³îç§
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. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. YÄYóYx½ªî»òð³îç§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG□î¼Ē¹ç•Ě²îOK□ð³îç§
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. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. YÄYóYx½ªî»òð³îç§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG,RAM ID=OP□î¼Ē¹ç•Ě²îOK□ð³îç§
0165 C.
0166 C. ***** òĒ²¼□î¼Ē¹ç•Ě²îOK□ð³îç§ *****
0167 C. DHUä;4YE;Ē¼Y½;Yi;4YE;Ēòîā□¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[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□-Ā÷çîNG□î¼Ē¹ç;ç°Ē²¼□îTI-CMDĀ÷çî¼Ē¹Ē□□□□□³□Ē;f
0180 C. □Ē□ç;çSET□ĒDUMP□ĒĒ±□îYŃY¹□ç¹Ē□□□³□Ē;f
0181 C.
0182 C. TIY³YŃYóYĒ□ðĀĒîç(UT)
0183 +. TI 2024-02-15 11:11:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2024-02-15 11:11:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2024-02-15 11:11:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2024-02-15 11:15:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼αîÄë%îíñαîŷÄŷ§ŷÄŷ-¹àîŰ
0200 C.          çç[HK1_TI_CMD_ENA/DIS]      EQ      ENA
0201 C.          çç[HK1_TI_CMD_NUM]          EQ      4
0202 C.          çç[HK1_NEXT_EXEC_PIM]       EQ      DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]        EQ      0xB3
0204 C.
0205 C. *****
0206 C. TIîî°èŷÄŷÖŷ×
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.          çç[HK1_DMP_TOP_ADRS_1]     EQ      07
0213 C.          çç[HK1_DMP_TOP_ADRS_0]     EQ      2B
0214 C.          çç[HK1_DMP_BLOCK_NUM]       EQ      3
0215 C.          çç[HK1_DMP_REPEAT_NUM]     EQ      0
0216 C.          çç[HK1_DMA_DMP_PIM]         EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.          çç[HK1_PKT_FORM_NO]         EQ      7
0220 C.          çç[HK1_PKT_GEN_TIME]         EQ      0.25 s
0221 C.          çç[HK1_S_TLM_BIT_RATE]      EQ      32k
0222 C.          çç[HK1_X_TLM_BIT_RATE]      EQ      4M
0223 C.          çç[HK1_DMP_CHK_FLG]         EQ      EXEC
0224 C.
0225 C. ŷÄŷÖŷ×½ªî»αò³îç§
0226 C.          çç[HK1_DMP_CHK_FLG]         EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLαîŷÈ¹ç•è²îOKαò³îç§
0229 C.
0230 C. DHUŷâ;¼ŷÈ;È¼ŷ¼.ŷî;¼ŷÈ;Èαòîãα¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]         EQ      2
0234 C.          çç[HK1_PKT_GEN_TIME]         EQ      0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]      EQ      32K
0236 C.          çç[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 2024-02-15 11:15:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC      (21 02)
0247 +. TI 2024-02-15 11:15:40.0
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 2024-02-15 11:15:00.0
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 `ûÄîαî»ò¼ŷαÈÄα¹αèDCBC•×²è *****
0265 C. (¼ª°îŷÖŷÄŷÈŷŷŷÈŷâŷçŷèè¼α¼Ä»Űα¹αè)
0266 S. DC-BC dcbc-402:DCBC
0267 (MDP_known_event)
0268 C.
0269 C.
0270 C. ***** ŷDŷ¹.İ Daily±;îñαÈ´Øα¹αèDCBC•×²è *****
0271 S. DC-BC dcbc-153:DCBC
0272 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0273 C.
0274 C.
0275 C. îãLOSŷÄŷŷŷÄŷ-¼Ä»Ű;ã
0276 C.
0277 C. ***** LOS *****
0278 C.

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(a) Spacecraft Operation Procedure (real-commands)

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main-383 2024-02-15 11:57:53 85 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Ä»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿¿òÁò•µ°È»Í×ÁÇòÍYçYÁY×Yí;¼YÉ;ÈÈ%µ•íÉ;ÈòÈ¼°ÇÔò•ò¿¼í¹çòÍ;çÁ®, ùò¹òÈòòòÇÁ+¿®ò•òÈòòò³òÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ( )
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCU_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCs Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCSDUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCU_ORB_UPD
0044 . C.
0045 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0046 +. DC 07-FC EIS_MODE_CHG_ENA
0047 BC (20)
0048 . C. Verify EIS_MODE_CHG_FLG is ENA
0049 +. DC 07-FC EIS_MODE_MANU
0050 BC (21 02)
0051 . C. Verify EIS in MANUAL mode
0052 . C. Estimated OBSTBL upload time is 18s
0053 C. *****
0054 C. EIS START OBSTBL LOAD
0055 C. *****
0056 . S. RAM ram-820:EIS_OBSTBL
0057 ( )
0058 +. DC 07-FC EIS_DUMP_OBSTBL
0059 BC (07 07 07 00 00 70 00)
0060 C.
0061 C. Execute, after the success of OBSTBL upload.
0062 C. Set EIS TI-commands
0063 +. TI 2024-02-15 11:15:50.0
0064 DC 07-FC EIS_MODE_CHG_ENA
0065 BC (20)
0066 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0067 C. *****
0068 C. EIS END OBSTBL LOAD
0069 C. *****
0070 C.
0071 . C. ***** MDP `ûÁîòí»ò¼YòÈÄò¹òÈDCBC•×²è *****
0072 C. (¼á°íYÓYÁYÈYpYÈYáYçYÈòÈ¼°ÇÔò•ò¿¼í¹çòÍ;çÁ»Ûò¹òÈ)
0073 . S. DC-BC dcbc-402:DCBC
0074 (MDP_known_event)
0075 C.
0076 C.
0077 . C. ***** YDŸ¹•İ Daily±¿îŃòÈ`Øò¹òÈDCBC•×²è *****
0078 . S. DC-BC dcbc-153:DCBC
0079 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0080 C.
0081 C.
0082 . C. ;ãLOSŸÁY$YÁY-¼Ä»Û;ã
0083 C.
0084 . C. ***** LOS *****
0085 C.
```



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0096 C.
0097 C.
0098 C.
0099 C. ***** XRT START *****
0100 C.
0101 +. DC 07-F0 MDP_XRT_CTRL_MANU
0102 BC (c1)
0103 +. DC 07-F0 MDP_XRT_CTRL_MANU
0104 BC (c1)
0105 + DC 07-F0 MDP_XRT_MODE_STBY
0106 BC (c3)
0107 . C. ----- Success Verify ? OK / NG ____
0108 C.
0109 C. XRT Obs. Table Upload
0110 . S. RAM ram-291:MDP_OBS_X
0111 ( )
0112 C.
0113 +. DC 07-F0 MDP_DUMP_XRTTBL
0114 BC (84 07 00 00 00 3a d4)
0115 . C. ----- Comparison Check ? OK / ERR ____
0116 C.
0117 C.
0118 +. DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 01 b1 b1 04 04)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 02 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 03 b1 b1 08 08)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 04 b1 b1 06 06)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 05 85 83 06 06)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 06 85 83 08 08)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 07 80 80 20 20)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 08 80 80 20 08)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 09 80 80 08 20)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 0a 85 83 06 06)
0138 + DC 07-F0 MDP_XRT_ROI_SET
0139 BC (cd 0f 80 80 06 06)
0140 + DC 07-F0 MDP_XRT_ROI_SET
0141 BC (cd 10 80 80 08 08)
0142 + DC 07-F0 MDP_XRT_FLD_ENA
0143 BC (d8)
0144 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0145 BC (c8)
0146 + DC 07-F0 MDP_XRT_ARS_DIS
0147 BC (d5)
0148 + DC 07-F0 MDP_XRT_AEC_RESET
0149 BC (d0)
0150 + DC 07-F0 MDP_XRT_FLD_RESET
0151 BC (da)
0152 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0153 BC (c4 04)
0154 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0155 BC (c5 0c)
0156 . C. ----- Success Verify ? OK / NG ____
0157 C.
0158 C.
0159 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0160 C.
0161 +. DC 07-F0 MDP_XRT_MODE_OBSV
0162 BC (c2)
0163 +. TI 2024-02-15 11:15:02.0
0164 DC 07-F0 MDP_XRT_MODE_OBSV
0165 BC (c2)
0166 . C. ----- Success Verify ? OK / NG ____
0167 C.
0168 C. ***** XRT END *****
0169 C.
0170 . C. ***** MDP `úÃîîî»ö¼ÿðÊÄð¹ñèDCBC•x²è *****
0171 C. (¼ã°îÿÖÿÄÿËÿÏÿËÿÄÿÇÿÈÿ¼¼¼¼»Û¹ñè)
0172 . S. DC-BC dcbc-402:DCBC
0173 (MDP_known_event)
0174 C.
0175 C.
0176 . C. ***** ÿÐÿ¹•ï Daily±¿îññË´ø¹ñèDCBC•x²è *****
0177 . S. DC-BC dcbc-153:DCBC
0178 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0179 C.
0180 C.
0181 . C. ;ãLOSÿÁÿSÿÄÿ-¼Ä»Û;ã
0182 C.
0183 . C. ***** LOS *****
0184 C.

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

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2024/02/15 11:25:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2024/02/15 11:25:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2024/02/15 11:25:58.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2024/02/15 11:26:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 01 03 74 01 db
2024/02/15 11:26:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2024/02/15 11:26:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2024/02/15 11:26:22.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2024/02/15 11:26:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2024/02/15 11:26:26.0 XRT_FLD_RESET_434_OG [0x1b2]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2024/02/15 11:28:56.0 XRT_QT_PROG_SET_418_OG [0x1a2]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 04
2024/02/15 11:28:58.0 XRT_FL_PROG_SET_439_OG [0x1b7]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 0c
2024/02/15 11:36:00.0 XRT_Custom_430_OG [0x1ae]
2024/02/15 11:37:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2024/02/15 15:16:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2024/02/15 15:16:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2024/02/15 15:16:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2024/02/15 15:16:06.0 XRT_PREFLR_STRT_431_OG [0x1af]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2024/02/15 15:19:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2024/02/15 15:23:00.0 XRT_Custom_430_OG [0x1ae]
2024/02/15 15:24:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2024/02/15 16:49:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2024/02/15 16:49:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2024/02/15 16:49:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2024/02/15 16:49:06.0 XRT_PREFLR_STRT_431_OG [0x1af]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2024/02/15 16:52:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2024/02/15 17:12:30.0 XRT_Custom_430_OG [0x1ae]
2024/02/15 17:13:30.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2024/02/15 17:59:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2024/02/15 17:59:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2024/02/15 17:59:58.0 XRT_FOCUS_POSITION_406_OG [0x196]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2024/02/15 18:00:00.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 00 00 00 00
2024/02/15 18:00:18.0 XRT_FLD_DIS_409_OG [0x199]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2024/02/15 18:00:20.0 XRT_FLRCTRL_DIS_413_OG [0x19d]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2024/02/15 18:00:22.0 XRT_ARS_DIS_435_OG [0x1b3]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2024/02/15 18:02:58.0 XRT_QT_PROG_SET_401_OG [0x191]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 13
2024/02/15 18:03:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2024/02/15 18:09:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2024/02/15 18:09:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2024/02/15 18:09:58.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2024/02/15 18:10:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 01 03 74 01 db
2024/02/15 18:10:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2024/02/15 18:10:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2024/02/15 18:10:22.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2024/02/15 18:10:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2024/02/15 18:10:26.0 XRT_FLD_RESET_434_OG [0x1b2]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2024/02/15 18:12:56.0 XRT_QT_PROG_SET_418_OG [0x1a2]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 04
2024/02/15 18:12:58.0 XRT_FL_PROG_SET_439_OG [0x1b7]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 0c

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|            |            |                                |   |       |    |
|------------|------------|--------------------------------|---|-------|----|
| 2024/02/15 | 18:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/15 | 18:25:00.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/15 | 18:25:02.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/15 | 18:25:04.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/15 | 18:25:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/15 | 18:28:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/15 | 18:49:00.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/15 | 18:50:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/15 | 20:02:00.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/15 | 20:02:02.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/15 | 20:02:04.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/15 | 20:02:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/15 | 20:05:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/15 | 20:25:30.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/15 | 20:26:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/15 | 21:39:00.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/15 | 21:39:02.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/15 | 21:39:04.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/15 | 21:39:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/15 | 21:42:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/15 | 22:02:30.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/15 | 22:03:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/15 | 23:16:30.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/15 | 23:16:32.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/15 | 23:16:34.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/15 | 23:16:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/15 | 23:19:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/15 | 23:38:00.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/15 | 23:39:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/16 | 00:53:30.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 00:53:32.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 00:53:34.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/16 | 00:53:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/16 | 00:56:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/16 | 01:03:00.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/16 | 01:04:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/16 | 02:19:00.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 02:19:02.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 02:19:04.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/16 | 02:19:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/16 | 02:22:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/16 | 02:36:30.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/16 | 02:37:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/16 | 03:52:00.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 03:52:02.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 03:52:04.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/16 | 03:52:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/16 | 03:55:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/16 | 04:13:00.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/16 | 04:14:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |

|            |            |                                   |   |       |                |  |  |  |  |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2024/02/16 | 05:21:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/02/16 | 05:21:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/02/16 | 05:21:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2024/02/16 | 05:21:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2024/02/16 | 05:24:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2024/02/16 | 05:50:00.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2024/02/16 | 05:51:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/02/16 | 05:59:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/02/16 | 05:59:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/02/16 | 05:59:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2024/02/16 | 06:00:00.0 | AOCS_Or-point_Start_2_OG [0x098]  |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2024/02/16 | 06:00:18.0 | XRT_FLD_DIS_409_OG [0x199]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9             |  |  |  |  |
| 2024/02/16 | 06:00:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9             |  |  |  |  |
| 2024/02/16 | 06:00:22.0 | XRT_ARS_DIS_435_OG [0x1b3]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2024/02/16 | 06:02:58.0 | XRT_QT_PROG_SET_428_OG [0x1ac]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 05          |  |  |  |  |
| 2024/02/16 | 06:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/02/16 | 06:09:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/02/16 | 06:09:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/02/16 | 06:09:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2024/02/16 | 06:10:00.0 | AOCS_Or-point_Start_1_OG [0x097]  |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 01 03 74 01 db |  |  |  |  |
| 2024/02/16 | 06:10:18.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2024/02/16 | 06:10:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2024/02/16 | 06:10:22.0 | XRT_AEC_RESET_448_OG [0x1c0]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |  |
| 2024/02/16 | 06:10:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2024/02/16 | 06:10:26.0 | XRT_FLD_RESET_434_OG [0x1b2]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2024/02/16 | 06:12:56.0 | XRT_QT_PROG_SET_418_OG [0x1a2]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 04          |  |  |  |  |
| 2024/02/16 | 06:12:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 0c          |  |  |  |  |
| 2024/02/16 | 06:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/02/16 | 07:01:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/02/16 | 07:01:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/02/16 | 07:01:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2024/02/16 | 07:01:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2024/02/16 | 07:04:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2024/02/16 | 07:27:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2024/02/16 | 07:28:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/02/16 | 08:42:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/02/16 | 08:42:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/02/16 | 08:42:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2024/02/16 | 08:42:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2024/02/16 | 08:45:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2024/02/16 | 09:04:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2024/02/16 | 09:05:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/02/16 | 10:21:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/02/16 | 10:21:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/02/16 | 10:21:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2024/02/16 | 10:21:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2024/02/16 | 10:24:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2024/02/16 | 10:39:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2024/02/16 | 10:40:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |



|            |            |                                   |                     |   |       |                |  |  |  |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|--|--|
| 2024/02/16 | 12:59:54.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |
| 2024/02/16 | 12:59:56.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |
| 2024/02/16 | 12:59:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |  |  |
| 2024/02/16 | 13:00:00.0 | AOCS_ORe-point_Start_3_OG [0x099] | AOCU_NM             | 5 | 02-76 | 00 18 b4 af a6 |  |  |  |
| 2024/02/16 | 13:00:18.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |  |  |
| 2024/02/16 | 13:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |  |  |
| 2024/02/16 | 13:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |  |  |
| 2024/02/16 | 13:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |  |
| 2024/02/16 | 13:00:26.0 | XRT_FLD_RESET_434_OG [0x1b2]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |
| 2024/02/16 | 13:02:56.0 | XRT_QT_PROG_SET_446_OG [0x1be]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06          |  |  |  |
| 2024/02/16 | 13:02:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0c          |  |  |  |
| 2024/02/16 | 13:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |
| 2024/02/16 | 15:47:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |
| 2024/02/16 | 15:47:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |
| 2024/02/16 | 15:47:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |
| 2024/02/16 | 15:47:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |  |
| 2024/02/16 | 15:50:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |  |
| 2024/02/16 | 15:59:00.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |                |  |  |  |
| 2024/02/16 | 16:00:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |
| 2024/02/16 | 17:22:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |
| 2024/02/16 | 17:22:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |
| 2024/02/16 | 17:22:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |
| 2024/02/16 | 17:22:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |  |
| 2024/02/16 | 17:25:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |  |
| 2024/02/16 | 17:46:00.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |                |  |  |  |
| 2024/02/16 | 17:47:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |
| 2024/02/16 | 18:00:24.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |
| 2024/02/16 | 18:00:26.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |
| 2024/02/16 | 18:00:28.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |  |  |
| 2024/02/16 | 18:00:30.0 | AOCS_ORe-point_Start_2_OG [0x098] | AOCU_NM             | 5 | 02-76 | 00 00 00 00 00 |  |  |  |
| 2024/02/16 | 18:00:48.0 | XRT_FLD_DIS_409_OG [0x199]        | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9             |  |  |  |
| 2024/02/16 | 18:00:50.0 | XRT_FLRCTRL_DIS_413_OG [0x19d]    | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9             |  |  |  |
| 2024/02/16 | 18:00:52.0 | XRT_ARS_DIS_435_OG [0x1b3]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |  |
| 2024/02/16 | 18:03:28.0 | XRT_QT_PROG_SET_401_OG [0x191]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13          |  |  |  |
| 2024/02/16 | 18:03:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |
| 2024/02/16 | 18:10:24.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |
| 2024/02/16 | 18:10:26.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |
| 2024/02/16 | 18:10:28.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |  |  |
| 2024/02/16 | 18:10:30.0 | AOCS_ORe-point_Start_3_OG [0x099] | AOCU_NM             | 5 | 02-76 | 00 18 b4 af a6 |  |  |  |
| 2024/02/16 | 18:10:48.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |  |  |
| 2024/02/16 | 18:10:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |  |  |
| 2024/02/16 | 18:10:52.0 | XRT_AEC_RESET_448_OG [0x1c0]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |  |  |
| 2024/02/16 | 18:10:54.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |  |
| 2024/02/16 | 18:10:56.0 | XRT_FLD_RESET_434_OG [0x1b2]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |
| 2024/02/16 | 18:13:26.0 | XRT_QT_PROG_SET_403_OG [0x193]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 09          |  |  |  |
| 2024/02/16 | 18:13:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0c          |  |  |  |
| 2024/02/16 | 18:13:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |

|            |            |                                |   |       |    |
|------------|------------|--------------------------------|---|-------|----|
| 2024/02/16 | 18:59:00.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 18:59:02.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 18:59:04.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/16 | 18:59:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/16 | 19:02:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/16 | 19:22:30.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/16 | 19:23:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/16 | 20:36:00.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 20:36:02.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 20:36:04.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/16 | 20:36:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/16 | 20:39:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/16 | 20:59:30.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/16 | 21:00:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/16 | 22:13:00.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 22:13:02.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 22:13:04.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/16 | 22:13:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/16 | 22:16:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/16 | 22:36:00.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/16 | 22:37:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/16 | 23:50:30.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 23:50:32.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/16 | 23:50:34.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/16 | 23:50:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/16 | 23:53:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/17 | 00:10:30.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/17 | 00:11:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/17 | 01:27:30.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/17 | 01:27:32.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/17 | 01:27:34.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/17 | 01:27:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/17 | 01:30:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/17 | 01:34:30.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/17 | 01:35:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/17 | 02:50:30.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/17 | 02:50:32.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/17 | 02:50:34.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/17 | 02:50:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/17 | 02:53:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/17 | 03:10:00.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/17 | 03:11:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/17 | 04:25:30.0 | XRT_CTRL_MANU_400_OG [0x190]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/17 | 04:25:32.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |
| 2024/02/17 | 04:25:34.0 | XRT_FLD_RESET_415_OG [0x19f]   |   |       |    |
|            |            | MDP_XRT_FLD_RESET              | 1 | 07-F0 | da |
| 2024/02/17 | 04:25:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] |   |       |    |
|            |            | MDP_XRT_PREFLR_STRT            | 1 | 07-F0 | e8 |
| 2024/02/17 | 04:28:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] |   |       |    |
|            |            | MDP_XRT_PREFLR_STOP            | 1 | 07-F0 | e9 |
| 2024/02/17 | 04:47:00.0 | XRT_Custom_430_OG [0x1ae]      |   |       |    |
| 2024/02/17 | 04:48:00.5 | XRT_CTRL_AUTO_424_OG [0x1a8]   |   |       |    |
|            |            | MDP_XRT_CTRL_AUTO              | 1 | 07-F0 | c0 |
| 2024/02/17 | 05:29:54.0 | XRT_CTRL_MANU_402_OG [0x192]   |   |       |    |
|            |            | MDP_XRT_CTRL_MANU              | 1 | 07-F0 | c1 |

|            |            |   |   |       |                |
|------------|------------|---|---|-------|----------------|
| 2024/02/17 | 05:29:56.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/02/17 | 05:29:58.0 | XRT_FOCUS_POSITION_406_OG [0x196]<br>XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00    |
| 2024/02/17 | 05:30:00.0 | AOCS_ORe-point_Start_2_OG [0x098]<br>AOCU_NM            | 5 | 02-76 | 00 00 00 00 00 |
| 2024/02/17 | 05:30:18.0 | XRT_FLD_DIS_409_OG [0x199]<br>MDP_XRT_FLD_DIS           | 1 | 07-F0 | d9             |
| 2024/02/17 | 05:30:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d]<br>MDP_XRT_FLRCTRL_DIS   | 1 | 07-F0 | c9             |
| 2024/02/17 | 05:30:22.0 | XRT_ARS_DIS_435_OG [0x1b3]<br>MDP_XRT_ARS_DIS           | 1 | 07-F0 | d5             |
| 2024/02/17 | 05:32:58.0 | XRT_QT_PROG_SET_428_OG [0x1ac]<br>MDP_XRT_QT_PROG_SET   | 2 | 07-F0 | c4 05          |
| 2024/02/17 | 05:33:00.0 | XRT_CTRL_AUTO_408_OG [0x198]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2024/02/17 | 05:39:54.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/02/17 | 05:39:56.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/02/17 | 05:39:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a]<br>XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00    |
| 2024/02/17 | 05:40:00.0 | AOCS_ORe-point_Start_3_OG [0x099]<br>AOCU_NM            | 5 | 02-76 | 00 18 b4 af a6 |
| 2024/02/17 | 05:40:18.0 | XRT_FLD_ENA_411_OG [0x19b]<br>MDP_XRT_FLD_ENA           | 1 | 07-F0 | d8             |
| 2024/02/17 | 05:40:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]<br>MDP_XRT_FLRCTRL_ENA   | 1 | 07-F0 | c8             |
| 2024/02/17 | 05:40:22.0 | XRT_AEC_RESET_448_OG [0x1c0]<br>MDP_XRT_AEC_RESET       | 1 | 07-F0 | d0             |
| 2024/02/17 | 05:40:24.0 | XRT_ARS_DIS_423_OG [0x1a7]<br>MDP_XRT_ARS_DIS           | 1 | 07-F0 | d5             |
| 2024/02/17 | 05:40:26.0 | XRT_FLD_RESET_434_OG [0x1b2]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2024/02/17 | 05:42:56.0 | XRT_QT_PROG_SET_403_OG [0x193]<br>MDP_XRT_QT_PROG_SET   | 2 | 07-F0 | c4 09          |
| 2024/02/17 | 05:42:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]<br>MDP_XRT_FL_PROG_SET   | 2 | 07-F0 | c5 0c          |
| 2024/02/17 | 05:43:00.0 | XRT_CTRL_AUTO_408_OG [0x198]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2024/02/17 | 05:56:30.0 | XRT_CTRL_MANU_400_OG [0x190]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/02/17 | 05:56:32.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/02/17 | 05:56:34.0 | XRT_FLD_RESET_415_OG [0x19f]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2024/02/17 | 05:56:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]<br>MDP_XRT_PREFLR_STRT   | 1 | 07-F0 | e8             |
| 2024/02/17 | 05:59:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]<br>MDP_XRT_PREFLR_STOP   | 1 | 07-F0 | e9             |
| 2024/02/17 | 06:24:00.0 | XRT_Custom_430_OG [0x1ae]                               |   |       |                |
| 2024/02/17 | 06:25:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2024/02/17 | 07:36:30.0 | XRT_CTRL_MANU_400_OG [0x190]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/02/17 | 07:36:32.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/02/17 | 07:36:34.0 | XRT_FLD_RESET_415_OG [0x19f]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2024/02/17 | 07:36:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]<br>MDP_XRT_PREFLR_STRT   | 1 | 07-F0 | e8             |
| 2024/02/17 | 07:39:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]<br>MDP_XRT_PREFLR_STOP   | 1 | 07-F0 | e9             |
| 2024/02/17 | 08:01:30.0 | XRT_Custom_430_OG [0x1ae]                               |   |       |                |
| 2024/02/17 | 08:02:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2024/02/17 | 09:16:30.0 | XRT_CTRL_MANU_400_OG [0x190]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/02/17 | 09:16:32.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/02/17 | 09:16:34.0 | XRT_FLD_RESET_415_OG [0x19f]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2024/02/17 | 09:16:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]<br>MDP_XRT_PREFLR_STRT   | 1 | 07-F0 | e8             |
| 2024/02/17 | 09:19:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]<br>MDP_XRT_PREFLR_STOP   | 1 | 07-F0 | e9             |
| 2024/02/17 | 09:38:00.0 | XRT_Custom_430_OG [0x1ae]                               |   |       |                |
| 2024/02/17 | 09:39:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2024/02/17 | 10:56:30.0 | XRT_CTRL_MANU_400_OG [0x190]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/02/17 | 10:56:32.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/02/17 | 10:56:34.0 | XRT_FLD_RESET_415_OG [0x19f]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2024/02/17 | 10:56:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]<br>MDP_XRT_PREFLR_STRT   | 1 | 07-F0 | e8             |
| 2024/02/17 | 10:59:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]<br>MDP_XRT_PREFLR_STOP   | 1 | 07-F0 | e9             |
| 2024/02/17 | 11:31:00.0 | AOCS_ORe-point_Start_2_OG [0x098]<br>AOCU_NM            | 5 | 02-76 | 00 00 00 00 00 |