

# XRT Timeline to be uploaded on 2026/05/14

Period: 2026/05/14 10:39:00 - 2026/05/19 11:06:00

\* \* \* \* \*

Normal mode

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| XOB #1D4A: HOP525_AR_ThinBe_MedBe_512x512_120sec_with_PFB2_3 |  |                                     |       |      |       |       |     |     |                      |       |            |          |        |
|--|--|-------------------------------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| Term   | Pointing (x, y)                                    | Comment                             |       |      |       |       |     |     |                      |       |            |          |        |
| 05/14 10:58:30 - 05/14 12:59:24                              | Track ( -211.6, 278.4) <sup>@ 05/14 10:49:00</sup> | # OP start + 10min HOP525 (AR14436) |       |      |       |       |     |     |                      |       |            |          |        |
| 05/15 09:52:00 - 05/15 12:39:00                              | Track ( -20.6, 277.7) <sup>@ 05/15 09:05:00</sup>  | HOP525 (AR14436)                    |       |      |       |       |     |     |                      |       |            |          |        |
| 05/16 09:03:00 - 05/16 11:03:30                              | Track ( 184.2, 274.8) <sup>@ 05/16 09:00:00</sup>  | HOP525 (AR14436)                    |       |      |       |       |     |     |                      |       |            |          |        |
| <b>PROG= 02 Inf.-time(s)</b>                                 |  |                                     |       |      |       |       |     |     |                      |       |            |          |        |
| └─ 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 60-time(s) 120.0sec                               |  |                                     |       |      |       |       |     |     |                      |       |            |          |        |
| └─ Seqn= 62 1-time(s) 40.0sec                                |  |                                     |       |      |       |       |     |     |                      |       |            |          |        |
|  | thin-Be/Open                                       | med-Be/Open                         | close | Safe | Norm  | 500ms | Obs | 1x1 | 512x512 (1064, 1048) | DPCM  | 3          | 0        | 2.0sec |
|  | med-Be/Open  | Open/thick-Al                       | close | Safe | Norm  | 1.00s | Obs | 1x1 | 512x512 (1064, 1048) | DPCM  | 3          | 0        | 2.0sec |
| └─ Seqn= 44 1-time(s) 40.0sec                                |  |                                     |       |      |       |       |     |     |                      |       |            |          |        |
|  | thin-Be/Open                                       | med-Be/Open                         | close | Safe | Norm  | 500ms | Obs | 1x1 | 512x512 (1064, 1048) | Q=95  | 3          | 2        | 2.0sec |
|  | med-Be/Open  | Open/thick-Al                       | close | Safe | Norm  | 1.00s | Obs | 1x1 | 512x512 (1064, 1048) | Q=95  | 3          | 2        | 2.0sec |
| └─ Seqn= 43 1-time(s) 2.0sec                                 |  |                                     |       |      |       |       |     |     |                      |       |            |          |        |
|  | thin-Be/Open                                       | med-Be/Open                         | close | Safe | Norm  | 500ms | Obs | 1x1 | 512x512 (1064, 1048) | Q=95  | 3          | 3        | 2.0sec |
|  | med-Be/Open  | Open/thick-Al                       | close | Safe | Norm  | 1.00s | Obs | 1x1 | 512x512 (1064, 1048) | Q=95  | 3          | 3        | 2.0sec |
|  | Default Filter                                     | Thicker Filter                      | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |        |

## XOB #1B97: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 360s cad (G-band/Leak last)

| Term                            | Pointing (x, y)        | Comment       |  |  |  |  |  |  |  |  |  |
|---------------------------------|------------------------|---------------|--|--|--|--|--|--|--|--|--|
| 05/14 13:02:30 - 05/14 13:45:30 | Fixed ( -23.0, -986.0) | HOP412 01/20  |  |  |  |  |  |  |  |  |  |
| 05/14 14:17:30 - 05/14 14:37:24 | Fixed ( -23.0, -886.0) | HOP412 02/20  |  |  |  |  |  |  |  |  |  |
| 05/14 14:40:30 - 05/14 15:23:30 | Fixed ( -23.0, -786.0) | HOP412 03/20  |  |  |  |  |  |  |  |  |  |
| 05/14 15:55:30 - 05/14 16:15:24 | Fixed ( -23.0, -686.0) | HOP412 04/20  |  |  |  |  |  |  |  |  |  |
| 05/14 16:18:30 - 05/14 17:01:30 | Fixed ( -23.0, -586.0) | HOP412 05/20  |  |  |  |  |  |  |  |  |  |
| 05/14 17:42:00 - 05/14 18:19:54 | Fixed ( -23.0, -486.0) | HOP412 06/20  |  |  |  |  |  |  |  |  |  |
| 05/15 02:07:30 - 05/15 02:42:00 | Fixed ( -23.0, -386.0) | HOP412 07/20  |  |  |  |  |  |  |  |  |  |
| 05/15 03:22:30 - 05/15 03:42:24 | Fixed ( -23.0, -286.0) | HOP412 08/20  |  |  |  |  |  |  |  |  |  |
| 05/15 03:45:30 - 05/15 04:04:54 | Fixed ( -23.0, -186.0) | HOP412 09/20  |  |  |  |  |  |  |  |  |  |
| 05/15 06:38:30 - 05/15 06:58:24 | Fixed ( -23.0, -86.0)  | HOP412 10/20  |  |  |  |  |  |  |  |  |  |
| 05/15 08:17:00 - 05/15 08:36:54 | Fixed ( -23.0, 104.0)  | HOP412 12/20  |  |  |  |  |  |  |  |  |  |
| 05/15 08:40:00 - 05/15 09:04:54 | Fixed ( -23.0, 204.0)  | HOP412 13/20  |  |  |  |  |  |  |  |  |  |
| 05/15 13:11:00 - 05/15 13:30:54 | Fixed ( -23.0, 304.0)  | HOP412 14/20  |  |  |  |  |  |  |  |  |  |
| 05/15 13:34:00 - 05/15 14:17:00 | Fixed ( -23.0, 404.0)  | HOP412 15/20  |  |  |  |  |  |  |  |  |  |
| 05/15 14:49:30 - 05/15 15:09:24 | Fixed ( -23.0, 504.0)  | HOP412 16/20  |  |  |  |  |  |  |  |  |  |
| 05/15 15:12:30 - 05/15 15:55:00 | Fixed ( -23.0, 604.0)  | HOP412 17/20  |  |  |  |  |  |  |  |  |  |
| 05/15 16:36:30 - 05/15 16:56:24 | Fixed ( -23.0, 704.0)  | HOP412 18/20  |  |  |  |  |  |  |  |  |  |
| 05/15 16:59:30 - 05/15 17:33:00 | Fixed ( -23.0, 804.0)  | HOP412 19/20  |  |  |  |  |  |  |  |  |  |
| 05/15 18:13:00 - 05/15 18:49:54 | Fixed ( -23.0, 904.0)  | HOP 412 20/20 |  |  |  |  |  |  |  |  |  |

|                                |                |                |       |      |       |       |     |     |                        |       |            |          |        |
|--------------------------------|----------------|----------------|-------|------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| <b>PROG= 03 Inf.-time(s)</b>   |                |                |       |      |       |       |     |     |                        |       |            |          |        |
| └─ Subr= 1 10-time(s) 360.0sec |                |                |       |      |       |       |     |     |                        |       |            |          |        |
| └─ 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 |
| └─ Subr= 2 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 |
|                                | Default Filter | Thicker Filter | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)     | Comp. | AEC Buffer | Interval |        |

## 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/

| Term                            | Pointing (x, y)   | Comment                    |  |  |  |  |  |  |  |  |  |
|---------------------------------|-------------------|----------------------------|--|--|--|--|--|--|--|--|--|
| 05/14 18:23:00 - 05/14 18:37:00 | Fixed ( 0.0, 0.0) | synoptic, shifted -6.0 min |  |  |  |  |  |  |  |  |  |
| 05/15 05:37:06 - 05/15 05:46:30 | Fixed ( 0.0, 0.0) | HOP349 + Synoptic          |  |  |  |  |  |  |  |  |  |
| 05/15 18:53:00 - 05/15 19:08:30 | Fixed ( 0.0, 0.0) | synoptic, shifted 9.0 min  |  |  |  |  |  |  |  |  |  |
| 05/16 05:55:30 - 05/16 06:02:24 | Fixed ( 0.0, 0.0) | synoptic, shifted -7.5 min |  |  |  |  |  |  |  |  |  |

|                             |              |               |       |      |      |       |     |     |                        |      |   |   |        |
|-----------------------------|--------------|---------------|-------|------|------|-------|-----|-----|------------------------|------|---|---|--------|
| <b>PROG= 11 1-time(s)</b>   |              |               |       |      |      |       |     |     |                        |      |   |   |        |
| └─ 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 |

|                 |                  |                  |               |       |       |     |     |                        |       |            |          |        |  |  |  |  |  |  |  |
|-----------------|------------------|------------------|---------------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|--|--|--|--|--|--|--|
| <b>Seqn= 66</b> |                  | <b>1-time(s)</b> | <b>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  | 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 |  |  |  |  |  |  |  |
| <b>Seqn= 22</b> |                  | <b>1-time(s)</b> | <b>2.0sec</b> |       |       |     |     |                        |       |            |          |        |  |  |  |  |  |  |  |
| Al-poly/Open    | Al-poly/Open     | close            | Safe          | Norm  | 12ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |  |  |  |  |  |  |  |
| Al-poly/Open    | Al-poly/Open     | close            | Safe          | Norm  | 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 |  |  |  |  |  |  |  |
| <b>Seqn= 19</b> |                  | <b>1-time(s)</b> | <b>2.0sec</b> |       |       |     |     |                        |       |            |          |        |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  |  |
| <b>Seqn= 23</b> |                  | <b>1-time(s)</b> | <b>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</b>  |                  | <b>1-time(s)</b> | <b>2.0sec</b> |       |       |     |     |                        |       |            |          |        |  |  |  |  |  |  |  |
| <b>Seqn= 65</b> |                  | <b>1-time(s)</b> | <b>2.0sec</b> |       |       |     |     |                        |       |            |          |        |  |  |  |  |  |  |  |
| Open/thick-Be   | Open/thick-Be    | close            | Safe          | Norm  | 64.0s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |  |  |  |  |  |  |  |
| <b>Seqn= 17</b> |                  | <b>1-time(s)</b> | <b>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</b> |                  | <b>1-time(s)</b> | <b>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= 89</b> |                  | <b>1-time(s)</b> | <b>2.0sec</b> |       |       |     |     |                        |       |            |          |        |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  |  |
| Default Filter  | Thicker Filter   | VLS              | mode          | image | Exp.  | CCD | Bin | ROI: size (center)     | Comp. | AEC Buffer | Interval |        |  |  |  |  |  |  |  |

| <b>XOB #1D4B: Stray light study 2026-1; Al-mesh and Al-poly, 2x2 full FOV(1min-cad) and 1x1 384 on AR(10sec-cad)</b> |                |  |      |                |       |     |     |                        |       |            |          |                     |  |  |  |  |  |  |  |
|--|----------------|--|------|----------------|-------|-----|-----|------------------------|-------|------------|----------|---------------------|--|--|--|--|--|--|--|
| Term   |                | Pointing (x, y)                                  |      |                |       |     |     |                        |       |            |          | Comment             |  |  |  |  |  |  |  |
| 05/14 18:39:30 - 05/14 18:50:00  |                | Track ( -146.2, 278.4) <sup>05/14 18:30:00</sup> |      |                |       |     |     |                        |       |            |          | HOP526 (AR14436)    |  |  |  |  |  |  |  |
| 05/15 19:11:00 - 05/15 19:21:00  |                | Fixed ( -941.0, 200.0)                           |      |                |       |     |     |                        |       |            |          | HOP526 (NE-limb AR) |  |  |  |  |  |  |  |
| <b>PROG= 06</b>  |                |  |      |                |       |     |     |                        |       |            |          |                     |  |  |  |  |  |  |  |
| <b>Subr= 2</b>   |                | <b>16-time(s)</b>                                |      | <b>2.0sec</b>  |       |     |     |                        |       |            |          |                     |  |  |  |  |  |  |  |
| <b>Seqn= 85</b>  |                | <b>1-time(s)</b>                                 |      | <b>10.0sec</b> |       |     |     |                        |       |            |          |                     |  |  |  |  |  |  |  |
| 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              |  |  |  |  |  |  |  |
| <b>Subr= 3</b>   |                | <b>9-time(s)</b>                                 |      | <b>2.0sec</b>  |       |     |     |                        |       |            |          |                     |  |  |  |  |  |  |  |
| <b>Seqn= 4</b>   |                | <b>1-time(s)</b>                                 |      | <b>2.0sec</b>  |       |     |     |                        |       |            |          |                     |  |  |  |  |  |  |  |
| 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              |  |  |  |  |  |  |  |
| <b>Seqn= 85</b>  |                | <b>3-time(s)</b>                                 |      | <b>10.0sec</b> |       |     |     |                        |       |            |          |                     |  |  |  |  |  |  |  |
| 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 |                     |  |  |  |  |  |  |  |

| <b>XOB #1D11: HOP480 - Filter-Ratio with thin-Be and Med-Be (short) with PFB, 384x384 at 1064 1048, with G-band (1ms/1ms VLS=CLS), 60 cad</b> |                |  |      |                |       |     |     |                      |       |            |          |                     |  |  |  |  |  |  |  |
|---|----------------|--|------|----------------|-------|-----|-----|----------------------|-------|------------|----------|---------------------|--|--|--|--|--|--|--|
| Term  |                | Pointing (x, y)                                  |      |                |       |     |     |                      |       |            |          | Comment             |  |  |  |  |  |  |  |
| 05/14 19:15:30 - 05/15 01:12:00   |                | Track ( -146.2, 278.4) <sup>05/14 18:30:00</sup> |      |                |       |     |     |                      |       |            |          | HOP526 (AR14436)    |  |  |  |  |  |  |  |
| 05/15 19:46:31 - 05/16 01:39:54   |                | Fixed ( -941.0, 200.0)                           |      |                |       |     |     |                      |       |            |          | HOP526 (NE-limb AR) |  |  |  |  |  |  |  |
| <b>PROG= 18</b>   |                |  |      |                |       |     |     |                      |       |            |          |                     |  |  |  |  |  |  |  |
| <b>Subr= 1</b>  |                | <b>1-time(s)</b>                                 |      | <b>10.0sec</b> |       |     |     |                      |       |            |          |                     |  |  |  |  |  |  |  |
| <b>Seqn= 1</b>  |                | <b>2-time(s)</b>                                 |      | <b>5.0sec</b>  |       |     |     |                      |       |            |          |                     |  |  |  |  |  |  |  |
| thin-Be/Open  | thin-Be/Open   | close  | Safe | Dark           | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=98  | 0          | 0        | 2.0sec              |  |  |  |  |  |  |  |
| <b>Subr= 2</b>  |                | <b>240-time(s)</b>                               |      | <b>60.0sec</b> |       |     |     |                      |       |            |          |                     |  |  |  |  |  |  |  |
| <b>Seqn= 61</b>   |                | <b>1-time(s)</b>                                 |      | <b>2.0sec</b>  |       |     |     |                      |       |            |          |                     |  |  |  |  |  |  |  |
| thin-Be/Open  | med-Be/Open    | close  | Safe | Norm           | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec              |  |  |  |  |  |  |  |
| med-Be/Open   | Open/thick-Al  | close  | Safe | Norm           | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec              |  |  |  |  |  |  |  |
| <b>Seqn= 28</b>   |                | <b>1-time(s)</b>                                 |      | <b>2.0sec</b>  |       |     |     |                      |       |            |          |                     |  |  |  |  |  |  |  |
| thin-Be/Open  | med-Be/Open    | close  | Safe | Norm           | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 3        | 2.0sec              |  |  |  |  |  |  |  |
| med-Be/Open   | Open/thick-Al  | close  | Safe | Norm           | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 3        | 2.0sec              |  |  |  |  |  |  |  |
| <b>Subr= 3</b>  |                | <b>240-time(s)</b>                               |      | <b>60.0sec</b> |       |     |     |                      |       |            |          |                     |  |  |  |  |  |  |  |
| <b>Seqn= 61</b>   |                | <b>1-time(s)</b>                                 |      | <b>2.0sec</b>  |       |     |     |                      |       |            |          |                     |  |  |  |  |  |  |  |
| thin-Be/Open  | med-Be/Open    | close  | Safe | Norm           | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec              |  |  |  |  |  |  |  |
| med-Be/Open   | Open/thick-Al  | close  | Safe | Norm           | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec              |  |  |  |  |  |  |  |
| <b>Seqn= 28</b>   |                | <b>1-time(s)</b>                                 |      | <b>2.0sec</b>  |       |     |     |                      |       |            |          |                     |  |  |  |  |  |  |  |
| thin-Be/Open  | med-Be/Open    | close  | Safe | Norm           | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 3        | 2.0sec              |  |  |  |  |  |  |  |
| med-Be/Open   | Open/thick-Al  | close  | Safe | Norm           | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 3        | 2.0sec              |  |  |  |  |  |  |  |
| Default Filter  | Thicker Filter | VLS  | mode | image          | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |                     |  |  |  |  |  |  |  |

| <b>XOB #1C9B: HOP349 - 3-filter Synoptics (Al-mesh[8/181/2897], Al-poly[16/181/4096], thin-Be[64/1024/11571] with 512x512 G-band+Leak(1064,1048) - 45 min</b> |  |                   |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |  |
|---|--|-------------------|--|--|--|--|--|--|--|--|--|-------------------|--|--|--|--|--|--|--|
| Term  |  | Pointing (x, y)   |  |  |  |  |  |  |  |  |  | Comment           |  |  |  |  |  |  |  |
| 05/15 04:08:00 - 05/15 05:34:00   |  | Fixed ( 0.0, 0.0) |  |  |  |  |  |  |  |  |  | HOP349 + Synoptic |  |  |  |  |  |  |  |
| 05/16 04:03:00 - 05/16 05:52:24   |  | Fixed ( 0.0, 0.0) |  |  |  |  |  |  |  |  |  | HOP349            |  |  |  |  |  |  |  |

| PROG= 08 Inf.-time(s)      |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|----------------------------|----------------|------------------|-------|------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| Subr= 1 1-time(s) 300.0sec |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
| Seqn=100 1-time(s) 2.0sec  |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                            | Open/Al-mesh   | Open/Al-mesh     | close | Safe | Norm  | 8ms   | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                            | Open/Al-mesh   | Open/Al-mesh     | close | Safe | Norm  | 177ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                            | Open/Al-mesh   | Open/Al-mesh     | close | Safe | Norm  | 2.83s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
| Seqn= 84 1-time(s) 2.0sec  |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                            | Al-poly/Open   | Al-poly/Open     | close | Safe | Norm  | 16ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                            | Al-poly/Open   | Al-poly/Open     | close | Safe | Norm  | 177ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                            | Al-poly/Open   | Al-poly/thick-Al | close | Safe | Norm  | 4.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
| Seqn= 57 1-time(s) 2.0sec  |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                            | thin-Be/Open   | thin-Be/Open     | close | Safe | Norm  | 63ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                            | thin-Be/Open   | thin-Be/Open     | close | Safe | Norm  | 1.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                            | thin-Be/Open   | thin-Be/Open     | close | Safe | Norm  | 11.3s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
| Seqn= 81 1-time(s) 2.0sec  |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                            | Open/G-band    | Open/G-band      | open  | Safe | Norm  | 1ms   | Obs | 1x1 | 512x512 (1064, 1048)   | Q=90  | 0          | 0        | 2.0sec |
|                            | Open/G-band    | Open/G-band      | close | Safe | Norm  | 1ms   | Obs | 1x1 | 512x512 (1064, 1048)   | Q=95  | 0          | 0        | 2.0sec |
| Subr= 2 9-time(s) 360.0sec |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
| Seqn= 8 1-time(s) 2.0sec   |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                            | thin-Be/Open   | med-Be/Open      | close | Safe | Norm  | 1.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98  | 3          | 0        | 2.0sec |
|                            | thin-Be/Open   | med-Be/Open      | close | Safe | Norm  | 1.41s | Obs | 4x4 | 2048x2048 (1024, 1024) | DPCM  | 2          | 0        | 2.0sec |
| Seqn= 6 1-time(s) 2.0sec   |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                            | Al-poly/Open   | Al-poly/Open     | close | Safe | Norm  | 125ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98  | 3          | 0        | 2.0sec |
|                            | Al-poly/Open   | Al-poly/Open     | close | Safe | Norm  | 1.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | DPCM  | 2          | 0        | 2.0sec |
| Seqn= 29 1-time(s) 2.0sec  |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                            | Open/Al-mesh   | Open/Al-mesh     | close | Safe | Norm  | 125ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98  | 3          | 0        | 2.0sec |
|                            | Open/Al-mesh   | Open/Al-mesh     | close | Safe | Norm  | 250ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98  | 2          | 0        | 2.0sec |
|                            | Default Filter | Thicker Filter   | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)     | Comp. | AEC Buffer | Interval |        |

**XOB #1D28: HOP349 - 3-filter Synoptics (Al-mesh[8/181/2897], Al-poly[16/181/4096], thin-Be[64/1024/11571] with 512x512 G-band+Leak(1064,1048) - 45 min**

| Term                            | Pointing (x, y)     | Comment      |
|---------------------------------|---------------------|--------------|
| 05/15 07:01:30 - 05/15 07:26:30 | Fixed ( -23.0, 4.0) | HOP412 11/20 |

| PROG= 09 Inf.-time(s)       |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|-----------------------------|----------------|------------------|-------|------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| Subr= 1 1-time(s) 300.0sec  |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
| Seqn=100 1-time(s) 2.0sec   |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                             | Open/Al-mesh   | Open/Al-mesh     | close | Safe | Norm  | 8ms   | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                             | Open/Al-mesh   | Open/Al-mesh     | close | Safe | Norm  | 177ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                             | Open/Al-mesh   | Open/Al-mesh     | close | Safe | Norm  | 2.83s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
| Seqn= 84 1-time(s) 2.0sec   |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                             | Al-poly/Open   | Al-poly/Open     | close | Safe | Norm  | 16ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                             | Al-poly/Open   | Al-poly/Open     | close | Safe | Norm  | 177ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                             | Al-poly/Open   | Al-poly/thick-Al | close | Safe | Norm  | 4.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
| Seqn= 57 1-time(s) 2.0sec   |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                             | thin-Be/Open   | thin-Be/Open     | close | Safe | Norm  | 63ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                             | thin-Be/Open   | thin-Be/Open     | close | Safe | Norm  | 1.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                             | thin-Be/Open   | thin-Be/Open     | close | Safe | Norm  | 11.3s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
| Seqn= 81 1-time(s) 2.0sec   |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                             | Open/G-band    | Open/G-band      | open  | Safe | Norm  | 1ms   | Obs | 1x1 | 512x512 (1064, 1048)   | Q=90  | 0          | 0        | 2.0sec |
|                             | Open/G-band    | Open/G-band      | close | Safe | Norm  | 1ms   | Obs | 1x1 | 512x512 (1064, 1048)   | Q=95  | 0          | 0        | 2.0sec |
| Subr= 2 10-time(s) 720.0sec |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
| Seqn= 8 1-time(s) 2.0sec    |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                             | thin-Be/Open   | med-Be/Open      | close | Safe | Norm  | 1.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98  | 3          | 0        | 2.0sec |
|                             | thin-Be/Open   | med-Be/Open      | close | Safe | Norm  | 1.41s | Obs | 4x4 | 2048x2048 (1024, 1024) | DPCM  | 2          | 0        | 2.0sec |
| Seqn= 6 1-time(s) 2.0sec    |                |                  |       |      |       |       |     |     |                        |       |            |          |        |
|                             | Al-poly/Open   | Al-poly/Open     | close | Safe | Norm  | 125ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98  | 3          | 0        | 2.0sec |
|                             | Al-poly/Open   | Al-poly/Open     | close | Safe | Norm  | 1.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | DPCM  | 2          | 0        | 2.0sec |
| 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 |        |

**XOB #1CD7: 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    |
|---------------------------------|--|------------|
| 05/16 02:13:00 - 05/16 03:59:54 | Fixed ( -941.0, 200.0)                 | NE-limb AR |
| 05/16 06:05:30 - 05/16 08:59:54 | Track ( 159.2, 275.3) @ 05/16 06:02:30 | AR14436    |

| PROG= 01 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 5-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= 96 4-time(s) 180.0sec |              |               |       |      |      |       |     |     |                      |      |   |   |        |

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

\* \* \* \* \*

### Flare mode

\* \* \* \* \*

#### XOB #1D35: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Be/thick), AEC 3, 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512x512 2x2) + GB

| Term                            | Pointing (x, y)                         | Comment                             |
|---------------------------------|---|-------------------------------------|
| 05/14 10:58:30 - 05/14 12:59:24 | Track ( -211.6, 278.4) @ 05/14 10:49:00 | # OP start + 10min HOP525 (AR14436) |
| 05/14 13:02:30 - 05/14 13:45:30 | Fixed ( -23.0, -986.0)                  | HOP412 01/20                        |
| 05/14 14:17:30 - 05/14 14:37:24 | Fixed ( -23.0, -886.0)                  | HOP412 02/20                        |
| 05/14 14:40:30 - 05/14 15:23:30 | Fixed ( -23.0, -786.0)                  | HOP412 03/20                        |
| 05/14 15:55:30 - 05/14 16:15:24 | Fixed ( -23.0, -686.0)                  | HOP412 04/20                        |
| 05/14 16:18:30 - 05/14 17:01:30 | Fixed ( -23.0, -586.0)                  | HOP412 05/20                        |
| 05/14 17:42:00 - 05/14 18:19:54 | Fixed ( -23.0, -486.0)                  | HOP412 06/20                        |
| 05/15 02:07:30 - 05/15 02:42:00 | Fixed ( -23.0, -386.0)                  | HOP412 07/20                        |
| 05/15 03:22:30 - 05/15 03:42:24 | Fixed ( -23.0, -286.0)                  | HOP412 08/20                        |
| 05/15 03:45:30 - 05/15 04:04:54 | Fixed ( -23.0, -186.0)                  | HOP412 09/20                        |
| 05/15 04:08:00 - 05/15 05:34:00 | Fixed ( 0.0, 0.0)                       | HOP349 + Synoptic                   |
| 05/15 06:38:30 - 05/15 06:58:24 | Fixed ( -23.0, -86.0)                   | HOP412 10/20                        |
| 05/15 07:01:30 - 05/15 07:26:30 | Fixed ( -23.0, 4.0)                     | HOP412 11/20                        |
| 05/15 08:17:00 - 05/15 08:36:54 | Fixed ( -23.0, 104.0)                   | HOP412 12/20                        |
| 05/15 08:40:00 - 05/15 09:04:54 | Fixed ( -23.0, 204.0)                   | HOP412 13/20                        |
| 05/15 09:52:00 - 05/15 12:39:00 | Track ( -20.6, 277.7) @ 05/15 09:05:00  | HOP525 (AR14436)                    |
| 05/15 13:11:00 - 05/15 13:30:54 | Fixed ( -23.0, 304.0)                   | HOP412 14/20                        |
| 05/15 13:34:00 - 05/15 14:17:00 | Fixed ( -23.0, 404.0)                   | HOP412 15/20                        |
| 05/15 14:49:30 - 05/15 15:09:24 | Fixed ( -23.0, 504.0)                   | HOP412 16/20                        |
| 05/15 15:12:30 - 05/15 15:55:00 | Fixed ( -23.0, 604.0)                   | HOP412 17/20                        |
| 05/15 16:36:30 - 05/15 16:56:24 | Fixed ( -23.0, 704.0)                   | HOP412 18/20                        |
| 05/15 16:59:30 - 05/15 17:33:00 | Fixed ( -23.0, 804.0)                   | HOP412 19/20                        |
| 05/15 18:13:00 - 05/15 18:49:54 | Fixed ( -23.0, 904.0)                   | HOP 412 20/20                       |
| 05/16 02:13:00 - 05/16 03:59:54 | Fixed ( -941.0, 200.0)                  | NE-limb AR                          |
| 05/16 04:03:00 - 05/16 05:52:24 | Fixed ( 0.0, 0.0)                       | HOP349                              |
| 05/16 06:05:30 - 05/16 08:59:54 | Track ( 159.2, 275.3) @ 05/16 06:02:30  | AR14436                             |
| 05/16 09:03:00 - 05/16 11:03:30 | Track ( 184.2, 274.8) @ 05/16 09:00:00  | HOP525 (AR14436)                    |

#### PROG= 14 30-time(s)

|                |                |                  |         |       |      |       |     |                    |                      |            |          |   |        |
|----------------|----------------|------------------|---------|-------|------|-------|-----|--------------------|----------------------|------------|----------|---|--------|
| Subr= 1        | 1-time(s)      | 2.0sec           |         |       |      |       |     |                    |                      |            |          |   |        |
| ├              | Seqn= 68       | 1-time(s)        | 2.0sec  |       |      |       |     |                    |                      |            |          |   |        |
| ├              | Open/G-band    | Open/G-band      | open    | Safe  | Norm | 1ms   | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
| ├              | Subr= 2        | 20-time(s)       | 2.0sec  |       |      |       |     |                    |                      |            |          |   |        |
| ├              | Seqn= 11       | 1-time(s)        | 2.0sec  |       |      |       |     |                    |                      |            |          |   |        |
| ├              | Al-poly/Open   | Al-poly/thick-Al | close   | Safe  | Norm | 125ms | Obs | 2x2                | 512x512 (1024, 1024) | Q=95       | 2        | 0 | 2.0sec |
| ├              | Seqn= 73       | 1-time(s)        | 10.0sec |       |      |       |     |                    |                      |            |          |   |        |
| ├              | thin-Be/Open   | med-Be/Open      | close   | Safe  | Norm | 125ms | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3        | 0 | 2.0sec |
| ├              | med-Be/Open    | Open/thick-Al    | close   | Safe  | Norm | 250ms | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3        | 0 | 2.0sec |
| ├              | Open/thick-Be  | Open/thick-Be    | close   | Safe  | Norm | 2.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3        | 0 | 2.0sec |
| ├              | Subr= 3        | 1-time(s)        | 2.0sec  |       |      |       |     |                    |                      |            |          |   |        |
| ├              | Seqn= 10       | 1-time(s)        | 2.0sec  |       |      |       |     |                    |                      |            |          |   |        |
| ├              | med-Al/Open    | med-Al/thick-Al  | close   | Safe  | Norm | 500ms | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3        | 0 | 2.0sec |
| ├              | Open/thick-Be  | Open/thick-Be    | close   | Safe  | Norm | 2.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3        | 0 | 2.0sec |
| ├              | Seqn= 11       | 1-time(s)        | 2.0sec  |       |      |       |     |                    |                      |            |          |   |        |
| ├              | Al-poly/Open   | Al-poly/thick-Al | close   | Safe  | Norm | 125ms | Obs | 2x2                | 512x512 (1024, 1024) | Q=95       | 2        | 0 | 2.0sec |
| ├              | Seqn= 87       | 1-time(s)        | 2.0sec  |       |      |       |     |                    |                      |            |          |   |        |
| ├              | Open/G-band    | Open/G-band      | open    | Safe  | Norm | 1ms   | Obs | 1x1                | 384x384 (1024, 1024) | Q=98       | 0        | 0 | 2.0sec |
| ├              | Open/G-band    | Open/G-band      | close   | Safe  | Norm | 1ms   | Obs | 1x1                | 384x384 (1024, 1024) | Q=98       | 0        | 0 | 2.0sec |
| ├              | Open/thick-Al  | Open/thick-Al    | close   | Safe  | Dark | 1.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=98       | 0        | 0 | 2.0sec |
| ├              | Open/thick-Al  | Open/thick-Al    | close   | Safe  | Dark | 1.00s | Obs | 2x2                | 512x512 (1024, 1024) | Q=98       | 0        | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS              | mode    | image | Exp. | CCD   | Bin | ROI: size (center) | Comp.                | AEC Buffer | Interval |   |        |

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

| Term                            | Pointing (x, y)                         | Comment             |
|---------------------------------|---|---------------------|
| 05/14 19:15:30 - 05/15 01:12:00 | Track ( -146.2, 278.4) @ 05/14 18:30:00 | HOP526 (AR14436)    |
| 05/15 19:46:31 - 05/16 01:39:54 | Fixed ( -941.0, 200.0)                  | HOP526 (NE-limb AR) |

|                |                |               |        |       |      |       |     |                    |                      |            |          |   |        |
|----------------|----------------|---------------|--------|-------|------|-------|-----|--------------------|----------------------|------------|----------|---|--------|
| PROG= 10       | 1-time(s)      |               |        |       |      |       |     |                    |                      |            |          |   |        |
| ├              | Subr= 1        | 1-time(s)     | 2.0sec |       |      |       |     |                    |                      |            |          |   |        |
| ├              | Seqn= 67       | 1-time(s)     | 2.0sec |       |      |       |     |                    |                      |            |          |   |        |
| ├              | thin-Be/Open   | med-Be/Open   | close  | Safe  | Norm | 1ms   | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 0        | 0 | 2.0sec |
| ├              | Subr= 2        | 1-time(s)     | 2.0sec |       |      |       |     |                    |                      |            |          |   |        |
| ├              | Seqn= 59       | 255-time(s)   | 5.0sec |       |      |       |     |                    |                      |            |          |   |        |
| ├              | thin-Be/Open   | med-Be/Open   | close  | Safe  | Norm | 8ms   | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3        | 0 | 2.0sec |
| ├              | med-Be/Open    | Open/thick-Al | close  | Safe  | Norm | 250ms | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3        | 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

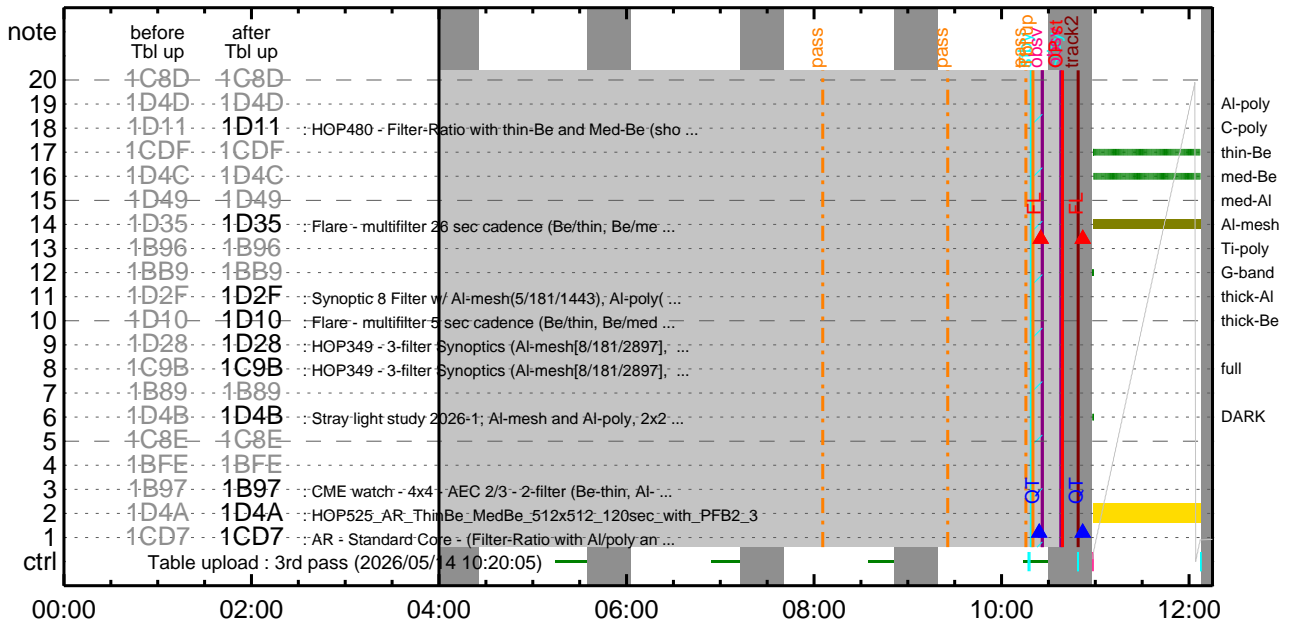
\* \* \* \* \*

### Flare Detection

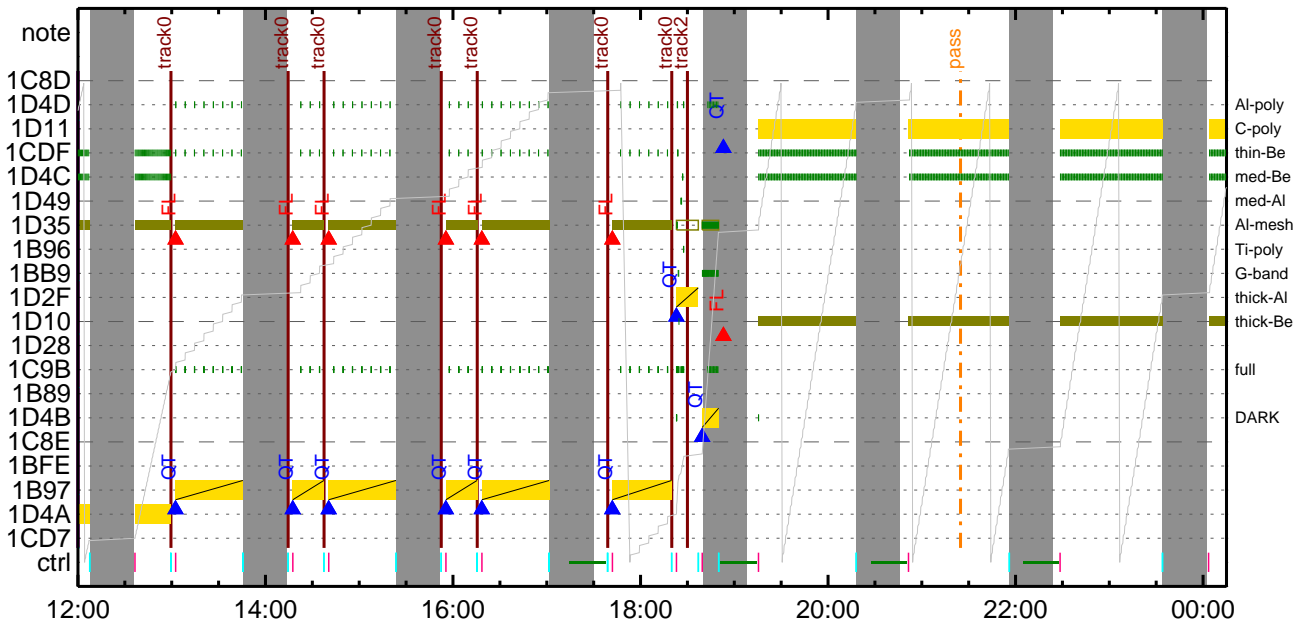
\* \* \* \* \*

| FLD Patrol                      |                |  |      |       |      |     |                     |                    |       |            |          |
|---------------------------------|----------------|--|------|-------|------|-----|---------------------|--------------------|-------|------------|----------|
| Term                            |                | Pointing (x, y)                                    |      |       |      |     | Comment             |                    |       |            |          |
| 05/14 10:21:05 - 05/14 18:20:18 |                | cannot be identified                               |      |       |      |     |                     |                    |       |            |          |
| 05/14 18:50:24 - 05/15 05:34:24 |                | Track ( -146.2, 278.4) <sup>@ 05/14 18:30:00</sup> |      |       |      |     | HOP526 (AR14436)    |                    |       |            |          |
| 05/15 06:35:48 - 05/15 18:50:18 |                | Fixed ( -23.0, -86.0)                              |      |       |      |     | HOP412 10/20        |                    |       |            |          |
| 05/15 19:21:24 - 05/16 05:52:48 |                | Fixed ( -941.0, 200.0)                             |      |       |      |     | HOP526 (NE-limb AR) |                    |       |            |          |
| 05/16 06:02:48 - 05/19 11:06:00 |                | Track ( 159.2, 275.3) <sup>@ 05/16 06:02:30</sup>  |      |       |      |     | AR14436             |                    |       |            |          |
| AI-poly/Open                    | AI-poly/Open   | close  | Safe | Norm  | 4ms  | Obs | 8x8                 |                    |       | Q=50       | 30sec    |
| Default Filter                  | Thicker Filter | VLS  | mode | image | Exp. | CCD | Bin                 | ROI: size (center) | Comp. | AEC Buffer | Interval |

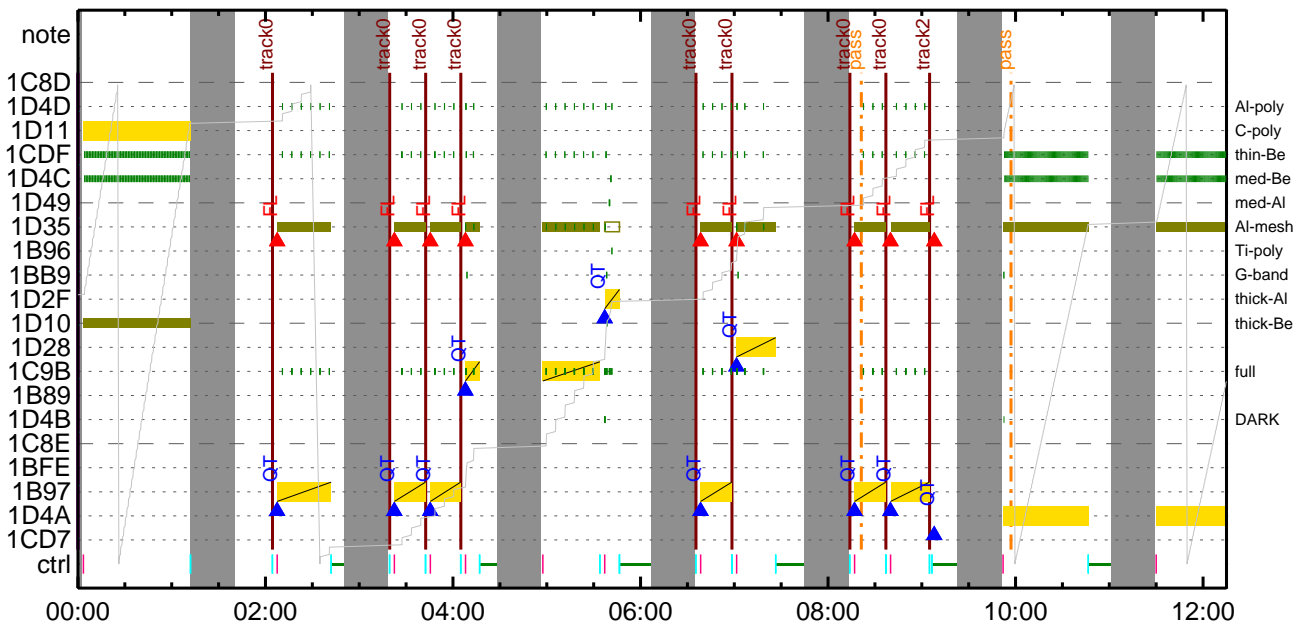
### CMDI #0315 2026/05/14



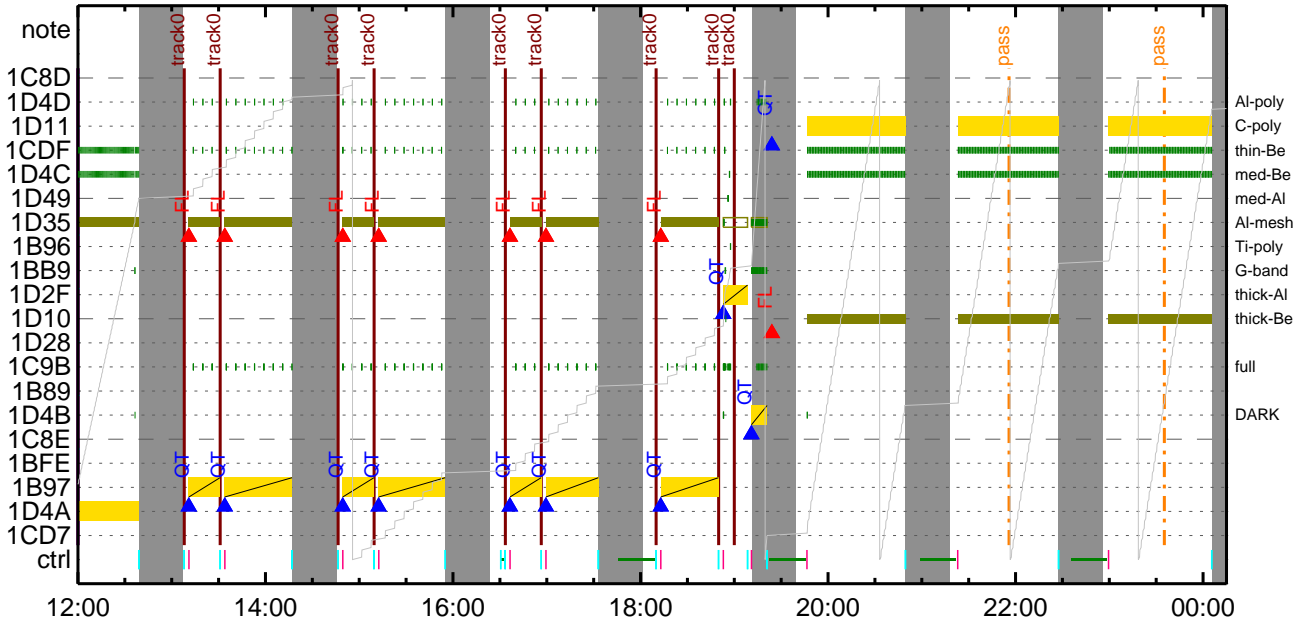
### CMDI #0315 2026/05/14



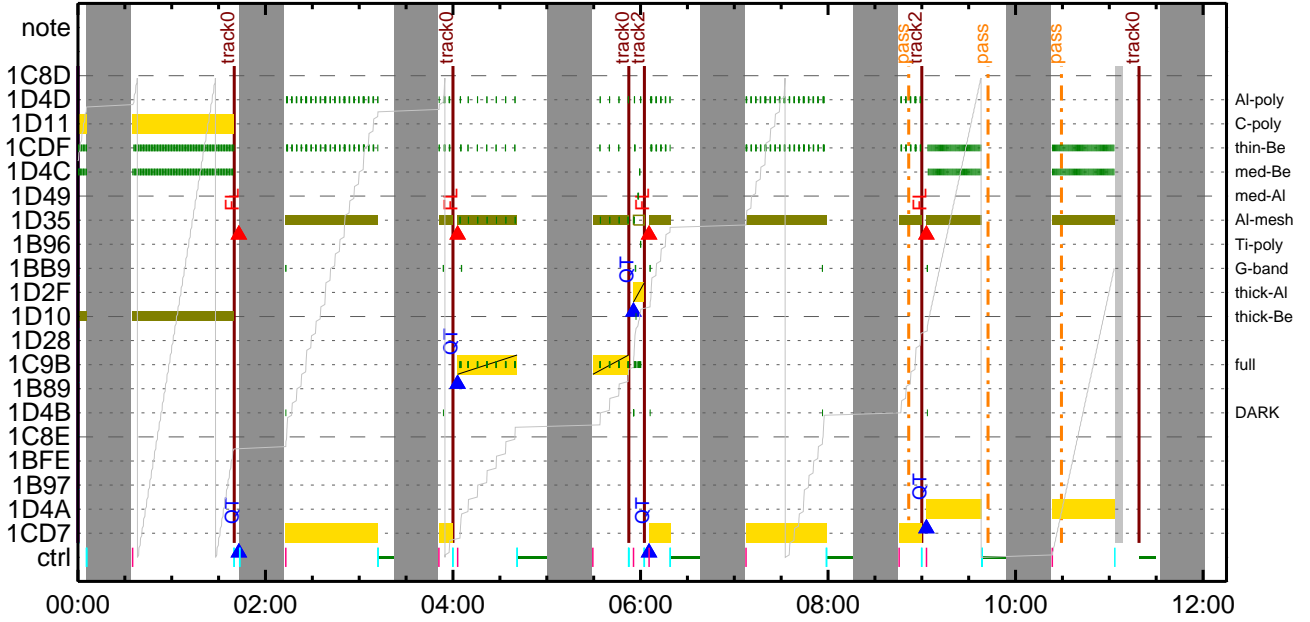
### CMDI #0315 2026/05/15



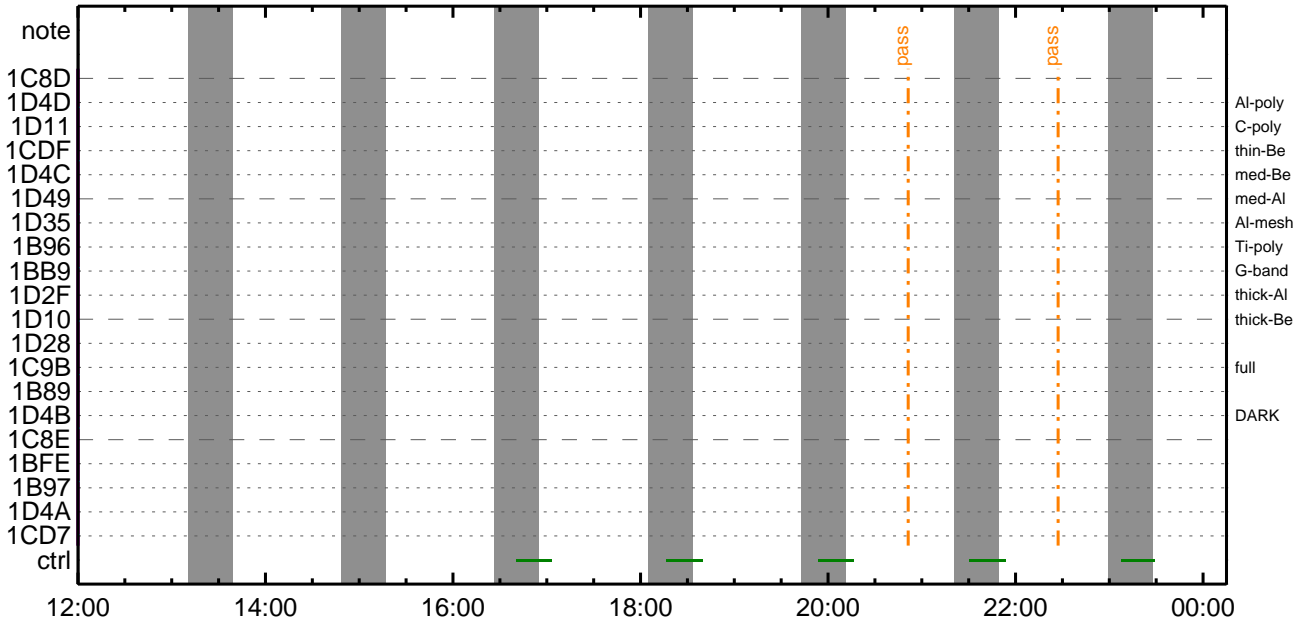
### CMDI #0315 2026/05/15



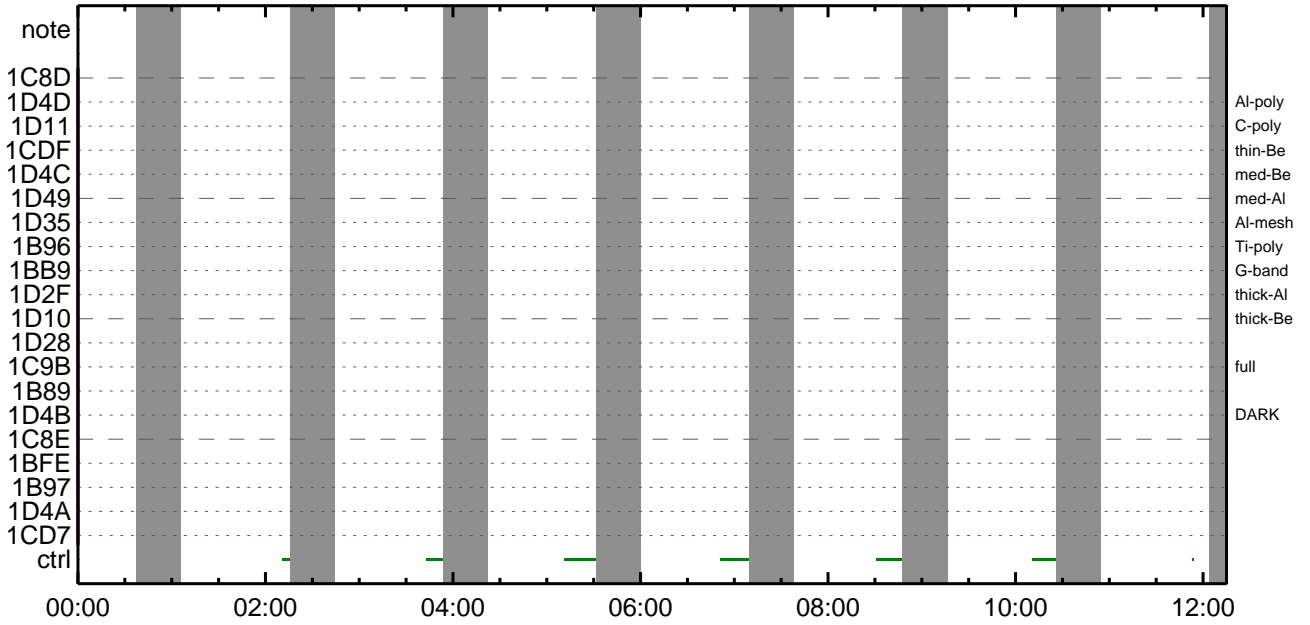
### CMDI #0315 2026/05/16



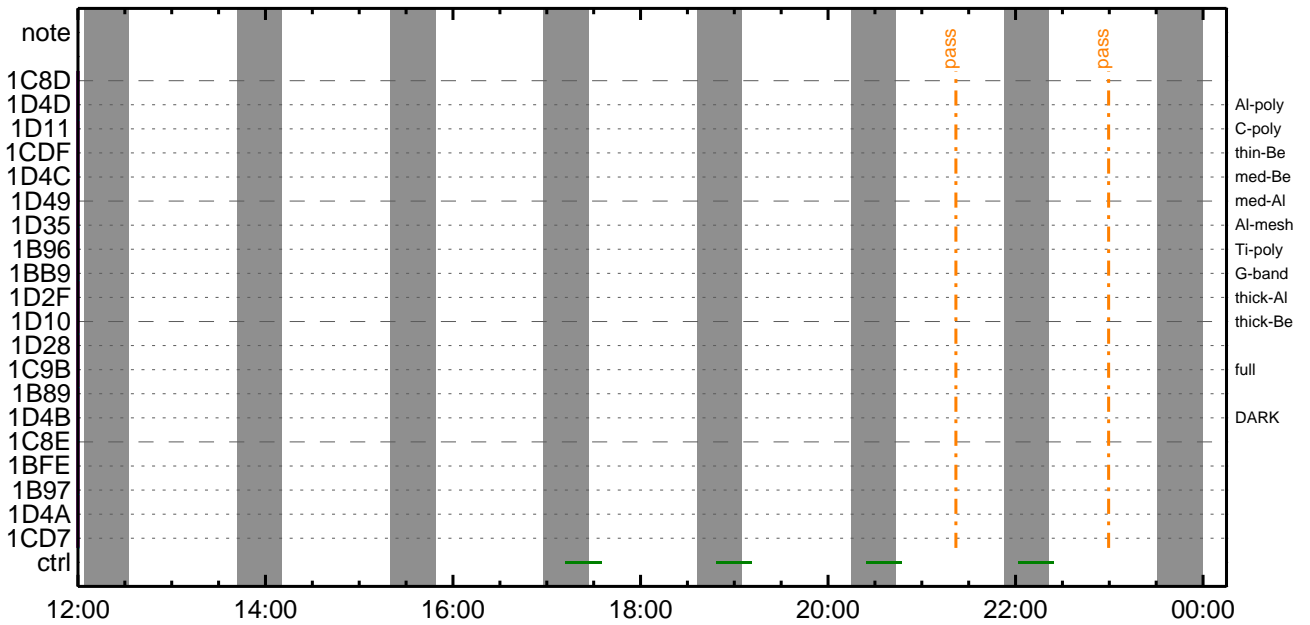
### CMDI #0315 2026/05/16



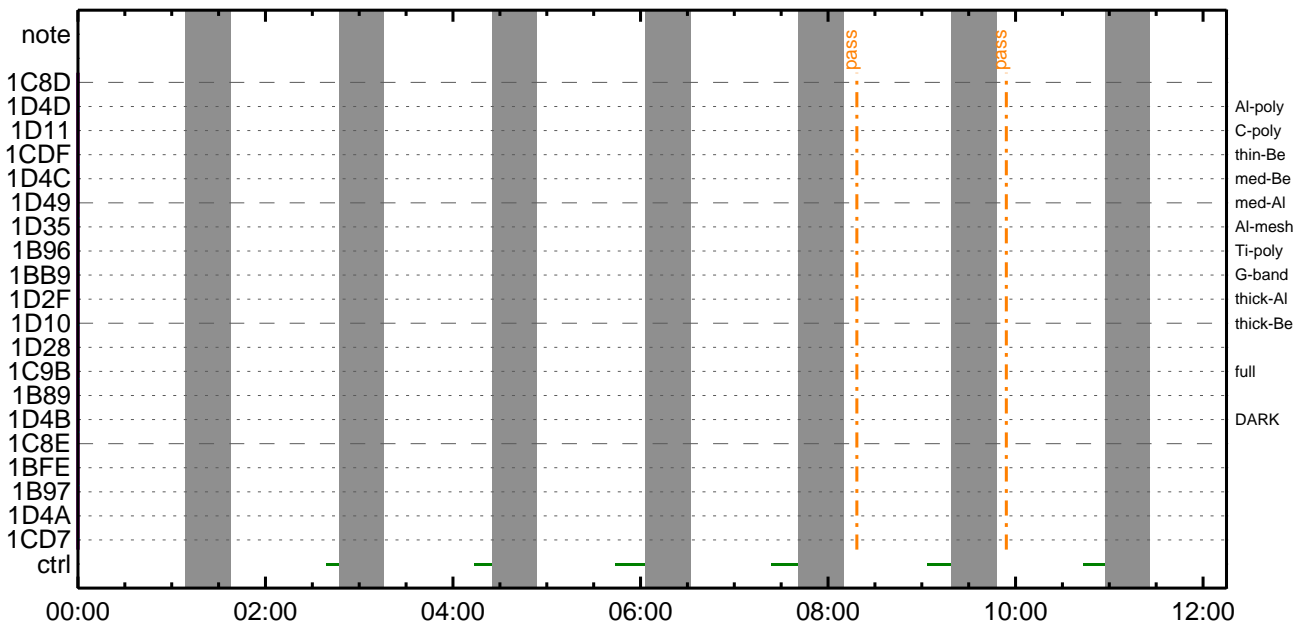
CMDI #0315 2026/05/17



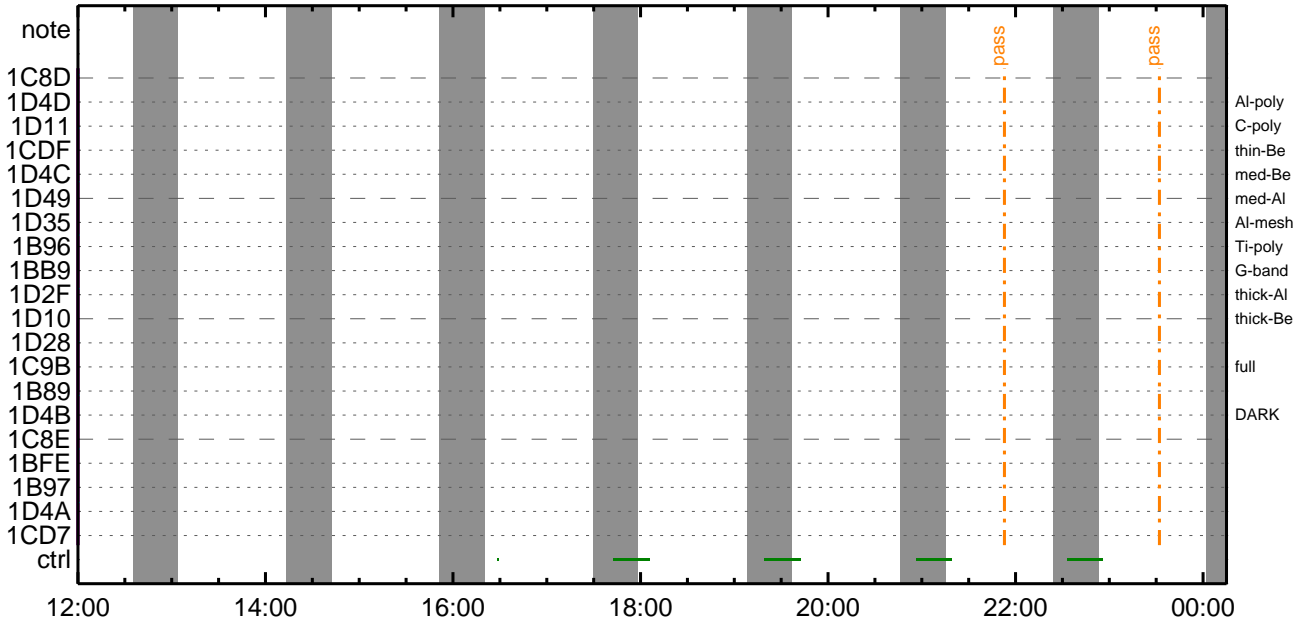
CMDI #0315 2026/05/17



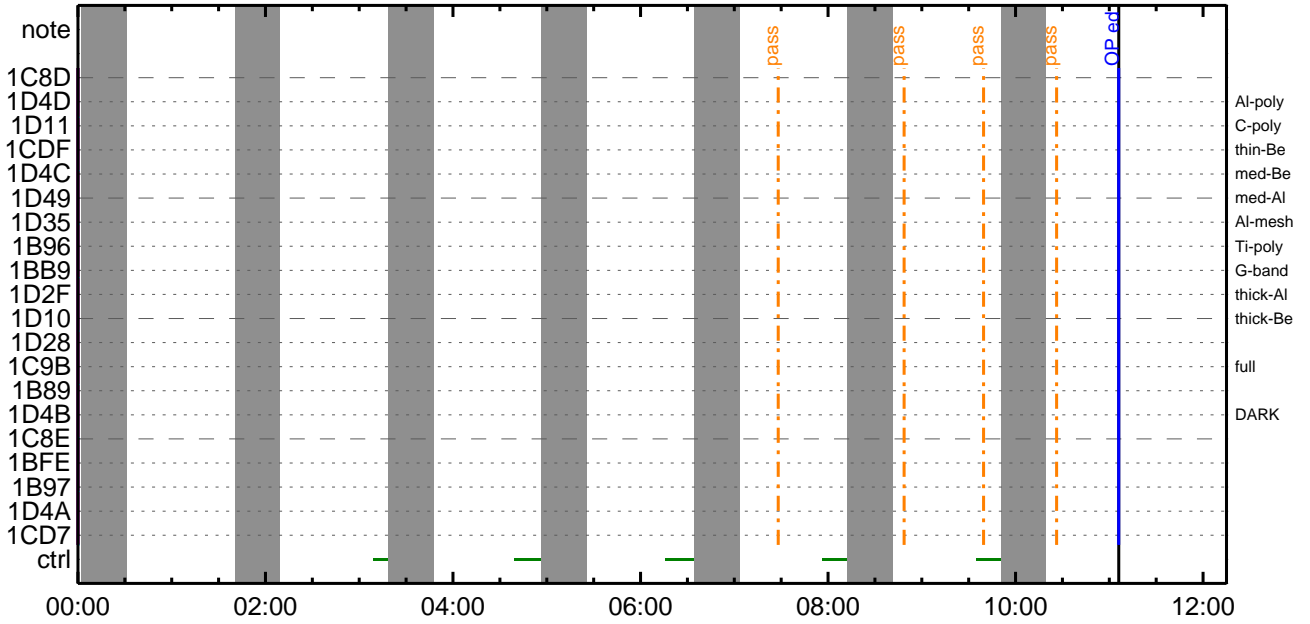
CMDI #0315 2026/05/18



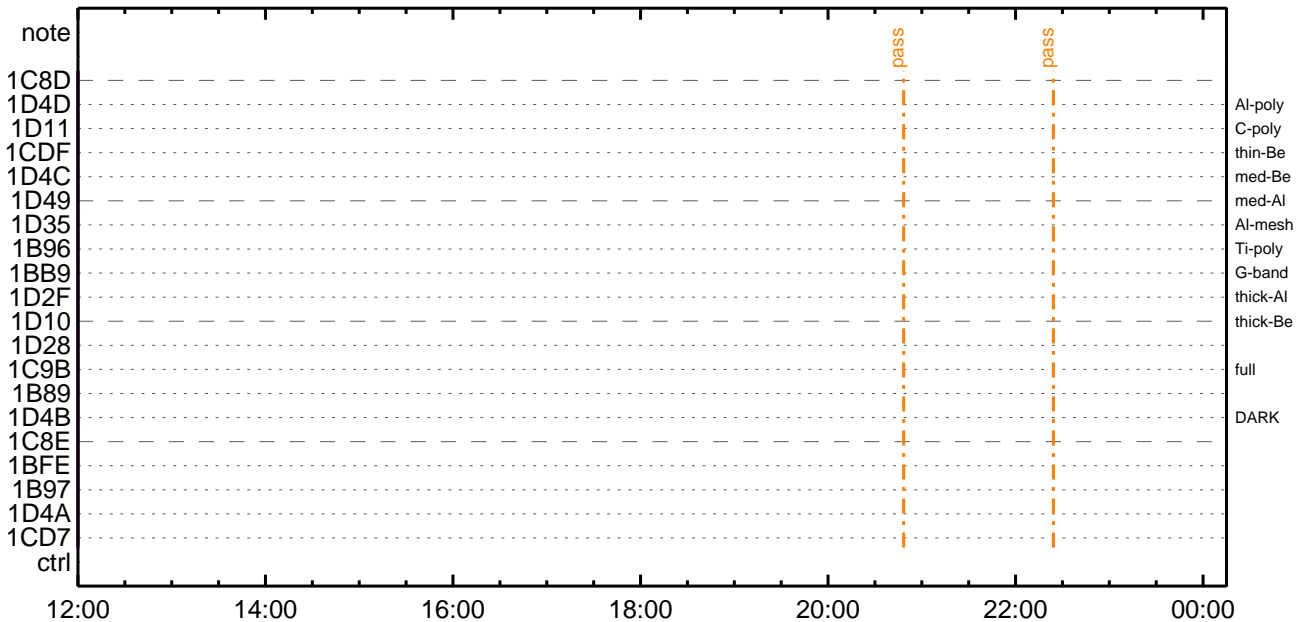
### CMDI #0315 2026/05/18



### CMDI #0315 2026/05/19



### CMDI #0315 2026/05/19





```

0096 C.          SET EDUMP I±°iÑÑ¹Ç¹Ô;³E;£
0097 C.
0098 . C. TI³¥Ð¥ó¥É±ðÄDİ¿ (UT)
0099 +. TI 2026-05-14 10:34:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.          ÇÇ [HK1_TI_CMD_NUM]          EQ          1COUNTUP
0102 C.
0103 +. TI 2026-05-14 10:34:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.          ÇÇ [HK1_TI_CMD_NUM]          EQ          1COUNTUP
0106 C.
0107 +. TI 2026-05-14 10:34:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.          ÇÇ [HK1_TI_CMD_NUM]          EQ          1COUNTUP
0110 C.
0111 +. TI 2026-05-14 10:38:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.          ÇÇ [HK1_TI_CMD_NUM]          EQ          1COUNTUP
0114 C.
0115 C. °É²¼±İÄê¾iÍÑ±İ¥Á¥S¥Ä¥-¹àìÜ
0116 C.          ÇÇ [HK1_TI_CMD_ENA/DIS]       EQ          ENA
0117 C.          ÇÇ [HK1_TI_CMD_NUM]         EQ          4
0118 C.          ÇÇ [HK1_NEXT_EXEC_PIM]      EQ          DHU
0119 C.          ÇÇ [HK1_NEXT_EXEC_DC]      EQ          0xB3
0120 C.
0121 . C. *****
0122 C. TIÎî°è¥Ä¥ó¥×
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;$ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC          (03 ab 03 01 02)
0128 C.          ÇÇ [HK1_DMP_TOP_ADRS_1]     EQ          07
0129 C.          ÇÇ [HK1_DMP_TOP_ADRS_0]     EQ          2B
0130 C.          ÇÇ [HK1_DMP_BLOCK_NUM]      EQ          3
0131 C.          ÇÇ [HK1_DMP_REPEAT_NUM]     EQ          0
0132 C.          ÇÇ [HK1_DMA_DMP_PIM]       EQ          DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC          (07 0b f8)
0135 C.          ÇÇ [HK1_PKT_FORM_NO]        EQ          7
0136 C.          ÇÇ [HK1_PKT_GEN_TIME]       EQ          0.25 s
0137 C.          ÇÇ [HK1_S_TLM_BIT_RATE]     EQ          32k
0138 C.          ÇÇ [HK1_X_TLM_BIT_RATE]    EQ          4M
0139 C.          ÇÇ [HK1_DMP_CHK_FLG]       EQ          EXEC
0140 C.
0141 . C. ¥Ä¥ó¥×¾²¹Î»±ð³İÇS
0142 C.          ÇÇ [HK1_DMP_CHK_FLG]       EQ          NON
0143 C.
0144 . C. RAM ID=TI_TBL±İ¾È¹Ç•é²İOK±ð³İÇS
0145 C.
0146 . C. DHU¥â;¼¥É;Ê¼¥½,¥i;¼¥È;Ë±ðîá±¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC          (02 0a f8)
0149 C.          ÇÇ [HK1_PKT_FORM_NO]        EQ          2
0150 C.          ÇÇ [HK1_PKT_GEN_TIME]       EQ          0.5S
0151 C.          ÇÇ [HK1_S_TLM_BIT_RATE]     EQ          32K
0152 C.          ÇÇ [HK1_X_TLM_BIT_RATE]    EQ          4M
0153 C.
0154 . C. Stop EIS observation and temporarily disable EIS mode changes
0155 C.
0156 C.
0157 C. ***** Start EIS operation (TI set) *****
0158 C. Execute, after the success of OP upload.
0159 C. Set EIS TI-commands
0160 +. TI 2026-05-14 10:38:30.0
0161 DC 07-FC EIS_MODE_MANU
0162 BC          (21 02)
0163 +. TI 2026-05-14 10:38:40.0
0164 DC 07-FC EIS_MODE_CHG_DIS
0165 BC          (22)
0166 . C.          [ ] [HK1_TI_CMD_NUM]      EQ          2 COUNTUP
0167 C. ***** End EIS operation (TI set) *****
0168 C.
0169 C.
0170 C.
0171 C. ***** XRT START *****
0172 C. Execute, after the success of OP upload.
0173 +. TI 2026-05-14 10:38:00.0
0174 DC 07-F0 MDP_XRT_MODE_STBY
0175 BC          (c3)
0176 . C.          [ ] [HK1_TI_CMD_NUM]      EQ          1COUNTUP
0177 C.
0178 C. ***** XRT END *****
0179 C.
0180 C. ***** MDP ´ûÃî±İ»ö¾Ý±ËÄ±¹±èDCBC•×²è *****
0181 C. (¾â°î¥ó¥Ä¥É¥Ð¥È¥Ä¥Ç¥È±Ë¾¼±¾Ä»Ü±¹±è)
0182 . S. DC-BC dcbc-402:DCBC
0183 (MDP_known_event)
0184 C.
0185 C.
0186 . C. ***** ¥Ð¥¹•İ Daily±¿İÑ±Ë´Ø±¹±èDCBC•×²è *****
0187 . S. DC-BC dcbc-153:DCBC
0188 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189 C.
0190 C.
0191 . C. ;ãLOS¥Á¥S¥Ä¥-¼Ä»Ü;ä
0192 C.
0193 . C. ***** LOS *****

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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 STATUS] 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. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0130 +. DC 07-FC EIS_MODE_CHG_ENA
0131 BC (20)
0132 . C. Verify EIS_MODE_CHG_FLG is ENA
0133 +. DC 07-FC EIS_MODE_MANU
0134 BC (21 02)
0135 . C. Verify EIS in MANUAL mode
0136 . C. Estimated OBSTBL upload time is 1m7s
0137 C. *****
0138 C. EIS START OBSTBL LOAD
0139 C. *****
0140 . S. RAM ram-820:EIS_OBSTBL
0141 ()
0142 +. DC 07-FC EIS_DUMP_OBSTBL
0143 BC (07 07 07 00 00 70 00)
0144 C.
0145 C. Execute, after the success of OBSTBL upload.
0146 C. Set EIS TI-commands
0147 +. TI 2026-05-14 10:38:50.0
0148 DC 07-FC EIS_MODE_CHG_ENA
0149 BC (20)
0150 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0151 C. *****
0152 C. EIS END OBSTBL LOAD
0153 C. *****
0154 C.
0155 . C. ***** MDP 'uAÎI»ö¼YnEÄDn¹nëDCBC•x²è *****
0156 C. (%ã°I¥ÓYÄYÉYÐYËYÄYÇYÈnÈ¼n¼Ä»Ûn¹në)
0157 . S. DC-BC dcbc-402:DCBC
0158 (MDP_known_event)
0159 C.
0160 C.
0161 . C. ***** ¥Ð¥¹•Ï Daily±çÍÑnÈ'Øn¹nëDCBC•x²è *****
0162 . S. DC-BC dcbc-153:DCBC
0163 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0164 C.
0165 C.
0166 . C. ;ãLOS¥Á¥S¥Ä¥~¼Ä»Û;ä
0167 C.
0168 . C. ***** LOS *****
0169 C.

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(a) Spacecraft Operation Procedure (real-commands)

```
main-976 2026-05-14 11:42:16 104 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~¼Á»Ü;ä
0005 C.
0006 C. YÁY$;¼Y³YD¥óYÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¼¿¼Á¼•µ°È¼Í×ÁÇ¼ÍY¿YÁY×Yí;¼YÉ;ÈÈ¼µ•íÍÉ;È¼È¼°ÇÖ¼•¼¿¼í¹Ç¼Í;çÁ®,¼¼¹¼È¼D¼ÇÁ÷¿®¼¼È¼¼¼¼³¼È;£
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 85 83 08 08)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 08 80 80 20 20)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 09 80 80 08 08)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0a 80 80 20 08)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0b 80 80 08 20)
0056 + DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 0c 80 80 06 06)
0058 + DC 07-F0 MDP_XRT_ROI_SET
0059 BC (cd 0f 80 80 06 06)
0060 + DC 07-F0 MDP_XRT_ROI_SET
0061 BC (cd 10 80 80 08 08)
0062 + DC 07-F0 MDP_XRT_FLD_ENA
0063 BC (d8)
0064 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0065 BC (c8)
0066 + DC 07-F0 MDP_XRT_ARS_DIS
0067 BC (d5)
0068 + DC 07-F0 MDP_XRT_AEC_RESET
0069 BC (d0)
0070 + DC 07-F0 MDP_XRT_FLD_RESET
0071 BC (da)
0072 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0073 BC (c4 02)
0074 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0075 BC (c5 0e)
0076 . C. ----- Success Verify ? OK / NG ____
0077 C.
0078 C.
0079 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0080 C.
0081 +. DC 07-F0 MDP_XRT_MODE_OBSV
0082 BC (c2)
0083 +. TI 2026-05-14 10:38:02.0
0084 DC 07-F0 MDP_XRT_MODE_OBSV
0085 BC (c2)
0086 . C. ----- Success Verify ? OK / NG ____
0087 C.
0088 C. ***** XRT END *****
0089 C.
0090 . C. ***** MDP 'úÁí¼Í»ó¼Y¼ÈÁD¼¼¼¼DCBC•×²è *****
0091 C. (%ã°íYÓYÁYÉYD¥YÉYÁY¿YÉ¼È¼¼¼¼¼Á»Ü¼¼¼¼)
0092 . S. DC-BC dcbc-402:DCBC
0093 (MDP_known_event)
0094 C.
0095 C.
```

```
0096 . C. ***** ¥ÐŸ!•Ï Daily±;ÍÑ«Ë'Ø«¹«èDCBC•x²è *****
0097 . S. DC-BC dcbc-153:DCBC
0098 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0099 C.
0100 C.
0101 . C. ;ãLOS¥Á¥S¥ÃŸ~¼Â»Û;ä
0102 C.
0103 . C. ***** LOS *****
0104 C.
```

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

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2026/05/14 10:48:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/05/14 10:48:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/05/14 10:48:58.0 XRT_FOCUS_POSITION_414_OG [0x19e]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2026/05/14 10:49:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 02 05 58 01 db
2026/05/14 10:49:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2026/05/14 10:49:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2026/05/14 10:49:22.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2026/05/14 10:49:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2026/05/14 10:49:26.0 XRT_FLD_RESET_401_OG [0x191]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2026/05/14 10:51:56.0 XRT_QT_PROG_SET_444_OG [0x1bc]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 02
2026/05/14 10:51:58.0 XRT_FL_PROG_SET_439_OG [0x1b7]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 0e
2026/05/14 10:57:30.0 XRT_Custom_430_OG [0x1ae]
2026/05/14 10:58:30.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2026/05/14 12:07:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/05/14 12:07:32.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/05/14 12:07:34.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2026/05/14 12:07:36.0 XRT_PREFLR_STRT_431_OG [0x1af]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2026/05/14 12:10:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2026/05/14 12:35:30.0 XRT_Custom_430_OG [0x1ae]
2026/05/14 12:36:30.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2026/05/14 12:59:24.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/05/14 12:59:26.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/05/14 12:59:28.0 XRT_FOCUS_POSITION_406_OG [0x196]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2026/05/14 12:59:30.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 57 a5 02 0c
2026/05/14 12:59:48.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2026/05/14 12:59:50.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2026/05/14 12:59:52.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2026/05/14 12:59:54.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2026/05/14 12:59:56.0 XRT_FLD_RESET_401_OG [0x191]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2026/05/14 13:02:26.0 XRT_QT_PROG_SET_427_OG [0x1ab]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 03
2026/05/14 13:02:28.0 XRT_FL_PROG_SET_439_OG [0x1b7]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 0e
2026/05/14 13:02:30.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2026/05/14 13:45:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/05/14 13:45:32.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/05/14 13:45:34.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2026/05/14 13:45:36.0 XRT_PREFLR_STRT_431_OG [0x1af]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2026/05/14 13:48:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2026/05/14 14:14:24.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/05/14 14:14:26.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2026/05/14 14:14:28.0 XRT_FOCUS_POSITION_406_OG [0x196]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2026/05/14 14:14:30.0 AOCs_OrE-point_Start_3_OG [0x099]
                        AOCU_NM 5 02-76 00 4e c0 02 0c
2026/05/14 14:14:48.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2026/05/14 14:14:50.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2026/05/14 14:14:52.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2026/05/14 14:14:54.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2026/05/14 14:14:56.0 XRT_FLD_RESET_401_OG [0x191]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2026/05/14 14:17:26.0 XRT_QT_PROG_SET_427_OG [0x1ab]

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May 14, 26 11:42

## XRT\_OGLIST\_0315.chk

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|            |            |                                   |                     |   |       |    |             |
|------------|------------|-----------------------------------|---------------------|---|-------|----|-------------|
| 2026/05/14 | 14:17:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 03          |
|            |            |                                   | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0e          |
| 2026/05/14 | 14:17:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2026/05/14 | 14:37:24.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2026/05/14 | 14:37:26.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2026/05/14 | 14:37:28.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | ff aa 00    |
| 2026/05/14 | 14:37:30.0 | AOCS_Ore-point_Start_4_OG [0x09a] | AOCU_NM             | 5 | 02-76 | 00 | 45 db 02 0c |
| 2026/05/14 | 14:37:48.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |             |
| 2026/05/14 | 14:37:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |             |
| 2026/05/14 | 14:37:52.0 | XRT_AEC_RESET_448_OG [0x1c0]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |             |
| 2026/05/14 | 14:37:54.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |             |
| 2026/05/14 | 14:37:56.0 | XRT_FLD_RESET_401_OG [0x191]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2026/05/14 | 14:40:26.0 | XRT_QT_PROG_SET_427_OG [0x1ab]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 03          |
| 2026/05/14 | 14:40:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0e          |
| 2026/05/14 | 14:40:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2026/05/14 | 15:23:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2026/05/14 | 15:23:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2026/05/14 | 15:23:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2026/05/14 | 15:23:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |             |
| 2026/05/14 | 15:26:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |             |
| 2026/05/14 | 15:52:24.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2026/05/14 | 15:52:26.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2026/05/14 | 15:52:28.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | ff aa 00    |
| 2026/05/14 | 15:52:30.0 | AOCS_ORe-point_Start_5_OG [0x09b] | AOCU_NM             | 5 | 02-76 | 00 | 3c fd 02 0c |
| 2026/05/14 | 15:52:48.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |             |
| 2026/05/14 | 15:52:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |             |
| 2026/05/14 | 15:52:52.0 | XRT_AEC_RESET_448_OG [0x1c0]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |             |
| 2026/05/14 | 15:52:54.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |             |
| 2026/05/14 | 15:52:56.0 | XRT_FLD_RESET_401_OG [0x191]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2026/05/14 | 15:55:26.0 | XRT_QT_PROG_SET_427_OG [0x1ab]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 03          |
| 2026/05/14 | 15:55:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0e          |
| 2026/05/14 | 15:55:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2026/05/14 | 16:15:24.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2026/05/14 | 16:15:26.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2026/05/14 | 16:15:28.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | ff aa 00    |
| 2026/05/14 | 16:15:30.0 | AOCS_ORe-point_Start_6_OG [0x09c] | AOCU_NM             | 5 | 02-76 | 00 | 34 18 02 0c |
| 2026/05/14 | 16:15:48.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |             |
| 2026/05/14 | 16:15:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |             |
| 2026/05/14 | 16:15:52.0 | XRT_AEC_RESET_448_OG [0x1c0]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |             |
| 2026/05/14 | 16:15:54.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |             |
| 2026/05/14 | 16:15:56.0 | XRT_FLD_RESET_401_OG [0x191]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2026/05/14 | 16:18:26.0 | XRT_QT_PROG_SET_427_OG [0x1ab]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 03          |
| 2026/05/14 | 16:18:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0e          |
| 2026/05/14 | 16:18:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2026/05/14 | 17:01:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2026/05/14 | 17:01:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2026/05/14 | 17:01:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |

|            |            |                                   |   |       |                |  |  |  |  |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2026/05/14 | 17:01:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2026/05/14 | 17:04:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2026/05/14 | 17:38:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 17:38:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 17:38:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2026/05/14 | 17:39:00.0 | AOCS_ORe-point_Start_7_OG [0x09d] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 2b 33 02 0c |  |  |  |  |
| 2026/05/14 | 17:39:18.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2026/05/14 | 17:39:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2026/05/14 | 17:39:22.0 | XRT_AEC_RESET_448_OG [0x1c0]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |  |
| 2026/05/14 | 17:39:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2026/05/14 | 17:39:26.0 | XRT_FLD_RESET_401_OG [0x191]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/14 | 17:41:56.0 | XRT_QT_PROG_SET_427_OG [0x1ab]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 03          |  |  |  |  |
| 2026/05/14 | 17:41:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 0e          |  |  |  |  |
| 2026/05/14 | 17:42:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/14 | 18:19:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 18:19:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 18:19:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2026/05/14 | 18:20:00.0 | AOCS_ORe-point_Start_8_OG [0x09e] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2026/05/14 | 18:20:18.0 | XRT_FLD_DIS_409_OG [0x199]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9             |  |  |  |  |
| 2026/05/14 | 18:20:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9             |  |  |  |  |
| 2026/05/14 | 18:20:22.0 | XRT_ARS_DIS_420_OG [0x1a4]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2026/05/14 | 18:22:58.0 | XRT_QT_PROG_SET_447_OG [0x1bf]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 0b          |  |  |  |  |
| 2026/05/14 | 18:23:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/14 | 18:30:00.0 | AOCS_ORe-point_Start_1_OG [0x097] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 02 05 58 01 db |  |  |  |  |
| 2026/05/14 | 18:37:00.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 18:37:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 18:37:04.0 | XRT_FOCUS_POSITION_406_OG [0x196] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2026/05/14 | 18:37:24.0 | XRT_FLD_DIS_446_OG [0x1be]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9             |  |  |  |  |
| 2026/05/14 | 18:39:24.0 | XRT_FLRCTRL_DIS_413_OG [0x19d]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9             |  |  |  |  |
| 2026/05/14 | 18:39:26.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2026/05/14 | 18:39:28.0 | XRT_QT_PROG_SET_403_OG [0x193]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 06          |  |  |  |  |
| 2026/05/14 | 18:39:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/14 | 18:50:00.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 18:50:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 18:50:04.0 | XRT_FOCUS_POSITION_414_OG [0x19e] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2026/05/14 | 18:50:24.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2026/05/14 | 18:50:26.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2026/05/14 | 18:50:28.0 | XRT_AEC_RESET_448_OG [0x1c0]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |  |
| 2026/05/14 | 18:50:30.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2026/05/14 | 18:50:32.0 | XRT_FLD_RESET_401_OG [0x191]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/14 | 18:53:02.0 | XRT_QT_PROG_SET_437_OG [0x1b5]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 12          |  |  |  |  |
| 2026/05/14 | 18:53:04.0 | XRT_FL_PROG_SET_441_OG [0x1b9]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 0a          |  |  |  |  |
| 2026/05/14 | 19:14:30.5 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2026/05/14 | 19:15:30.5 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/14 | 20:18:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 20:18:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 20:18:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |

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|            |            |                                    |   |       |                |  |  |  |  |
|------------|------------|------------------------------------|---|-------|----------------|--|--|--|--|
| 2026/05/14 | 20:18:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |  |  |  |  |
| 2026/05/14 | 20:21:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |  |  |  |  |
| 2026/05/14 | 20:50:30.5 | XRT_Custom_430_OG [0x1ae]          |   |       |                |  |  |  |  |
| 2026/05/14 | 20:51:30.5 | XRT_CTRL_AUTO_424_OG [0x1a8]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/14 | 21:56:00.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 21:56:02.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 21:56:04.0 | XRT_FLD_RESET_415_OG [0x19f]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/14 | 21:56:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |  |  |  |  |
| 2026/05/14 | 21:59:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |  |  |  |  |
| 2026/05/14 | 22:27:30.5 | XRT_Custom_430_OG [0x1ae]          |   |       |                |  |  |  |  |
| 2026/05/14 | 22:28:30.5 | XRT_CTRL_AUTO_424_OG [0x1a8]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/14 | 23:34:00.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 23:34:02.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/14 | 23:34:04.0 | XRT_FLD_RESET_415_OG [0x19f]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/14 | 23:34:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |  |  |  |  |
| 2026/05/14 | 23:37:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |  |  |  |  |
| 2026/05/15 | 00:02:30.0 | XRT_Custom_430_OG [0x1ae]          |   |       |                |  |  |  |  |
| 2026/05/15 | 00:03:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/15 | 01:12:00.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 01:12:02.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 01:12:04.0 | XRT_FLD_RESET_415_OG [0x19f]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/15 | 01:12:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |  |  |  |  |
| 2026/05/15 | 01:15:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |  |  |  |  |
| 2026/05/15 | 02:04:24.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 02:04:26.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 02:04:28.0 | XRT_FOCUS_POSITION_406_OG [0x196]  |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2026/05/15 | 02:04:30.0 | AOCS_ORe-point_Start_9_OG [0x09f]  |   |       |                |  |  |  |  |
|            |            | AOCU_NM                            | 5 | 02-76 | 00 22 4d 02 0c |  |  |  |  |
| 2026/05/15 | 02:04:48.0 | XRT_FLD_ENA_411_OG [0x19b]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                    | 1 | 07-F0 | d8             |  |  |  |  |
| 2026/05/15 | 02:04:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA                | 1 | 07-F0 | c8             |  |  |  |  |
| 2026/05/15 | 02:04:52.0 | XRT_AEC_RESET_448_OG [0x1c0]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                  | 1 | 07-F0 | d0             |  |  |  |  |
| 2026/05/15 | 02:04:54.0 | XRT_ARS_DIS_423_OG [0x1a7]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 | d5             |  |  |  |  |
| 2026/05/15 | 02:04:56.0 | XRT_FLD_RESET_401_OG [0x191]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/15 | 02:07:26.0 | XRT_OT_PROG_SET_427_OG [0x1ab]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_OT_PROG_SET                | 2 | 07-F0 | c4 03          |  |  |  |  |
| 2026/05/15 | 02:07:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET                | 2 | 07-F0 | c5 0e          |  |  |  |  |
| 2026/05/15 | 02:07:30.0 | XRT_CTRL_AUTO_408_OG [0x198]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/15 | 02:42:00.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 02:42:02.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 02:42:04.0 | XRT_FLD_RESET_415_OG [0x19f]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/15 | 02:42:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |  |  |  |  |
| 2026/05/15 | 02:45:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |  |  |  |  |
| 2026/05/15 | 03:19:24.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 03:19:26.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 03:19:28.0 | XRT_FOCUS_POSITION_406_OG [0x196]  |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2026/05/15 | 03:19:30.0 | AOCS_ORe-point_Start_10_OG [0x0a0] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                            | 5 | 02-76 | 00 19 68 02 0c |  |  |  |  |
| 2026/05/15 | 03:19:48.0 | XRT_FLD_ENA_411_OG [0x19b]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                    | 1 | 07-F0 | d8             |  |  |  |  |
| 2026/05/15 | 03:19:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA                | 1 | 07-F0 | c8             |  |  |  |  |
| 2026/05/15 | 03:19:52.0 | XRT_AEC_RESET_448_OG [0x1c0]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                  | 1 | 07-F0 | d0             |  |  |  |  |
| 2026/05/15 | 03:19:54.0 | XRT_ARS_DIS_423_OG [0x1a7]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 | d5             |  |  |  |  |

|            |            |                                    |                     |   |       |    |    |    |       |
|------------|------------|------------------------------------|---------------------|---|-------|----|----|----|-------|
| 2026/05/15 | 03:19:56.0 | XRT_FLD_RESET_401_OG [0x191]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |       |
| 2026/05/15 | 03:22:26.0 | XRT_QT_PROG_SET_427_OG [0x1ab]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 03 |    |       |
| 2026/05/15 | 03:22:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0e |    |       |
| 2026/05/15 | 03:22:30.0 | XRT_CTRL_AUTO_408_OG [0x198]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |       |
| 2026/05/15 | 03:42:24.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 03:42:26.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 03:42:28.0 | XRT_FOCUS_POSITION_406_OG [0x196]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | ff | aa | 00    |
| 2026/05/15 | 03:42:30.0 | AOCS_Ore-point_Start_11_OG [0x0a1] | AOCU_NM             | 5 | 02-76 | 00 | 10 | 8b | 02 0c |
| 2026/05/15 | 03:42:48.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |    |    |       |
| 2026/05/15 | 03:42:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |    |    |       |
| 2026/05/15 | 03:42:52.0 | XRT_AEC_RESET_448_OG [0x1c0]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |    |    |       |
| 2026/05/15 | 03:42:54.0 | XRT_ARS_DIS_423_OG [0x1a7]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |    |       |
| 2026/05/15 | 03:42:56.0 | XRT_FLD_RESET_401_OG [0x191]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |       |
| 2026/05/15 | 03:45:26.0 | XRT_QT_PROG_SET_427_OG [0x1ab]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 03 |    |       |
| 2026/05/15 | 03:45:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0e |    |       |
| 2026/05/15 | 03:45:30.0 | XRT_CTRL_AUTO_408_OG [0x198]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |       |
| 2026/05/15 | 04:04:54.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 04:04:56.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 04:04:58.0 | XRT_FOCUS_POSITION_406_OG [0x196]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | ff | aa | 00    |
| 2026/05/15 | 04:05:00.0 | AOCS_Ore-point_Start_8_OG [0x09e]  | AOCU_NM             | 5 | 02-76 | 00 | 00 | 00 | 00 00 |
| 2026/05/15 | 04:05:18.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |    |    |       |
| 2026/05/15 | 04:05:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |    |    |       |
| 2026/05/15 | 04:05:22.0 | XRT_AEC_RESET_448_OG [0x1c0]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |    |    |       |
| 2026/05/15 | 04:05:24.0 | XRT_ARS_DIS_423_OG [0x1a7]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |    |       |
| 2026/05/15 | 04:05:26.0 | XRT_FLD_RESET_401_OG [0x191]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |       |
| 2026/05/15 | 04:07:56.0 | XRT_QT_PROG_SET_405_OG [0x195]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 08 |    |       |
| 2026/05/15 | 04:07:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0e |    |       |
| 2026/05/15 | 04:08:00.0 | XRT_CTRL_AUTO_408_OG [0x198]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |       |
| 2026/05/15 | 04:17:00.0 | XRT_CTRL_MANU_400_OG [0x190]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 04:17:02.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 04:17:04.0 | XRT_FLD_RESET_415_OG [0x19f]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |       |
| 2026/05/15 | 04:17:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |    |       |
| 2026/05/15 | 04:20:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |    |       |
| 2026/05/15 | 04:56:30.0 | XRT_Custom_430_OG [0x1ae]          |                     |   |       |    |    |    |       |
| 2026/05/15 | 04:57:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |       |
| 2026/05/15 | 05:34:00.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 05:34:02.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 05:34:04.0 | XRT_FOCUS_POSITION_406_OG [0x196]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | ff | aa | 00    |
| 2026/05/15 | 05:34:24.0 | XRT_FLD_DIS_409_OG [0x199]         | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9 |    |    |       |
| 2026/05/15 | 05:34:26.0 | XRT_FLRCTRL_DIS_413_OG [0x19d]     | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |    |    |       |
| 2026/05/15 | 05:34:28.0 | XRT_ARS_DIS_420_OG [0x1a4]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |    |       |
| 2026/05/15 | 05:37:04.0 | XRT_QT_PROG_SET_447_OG [0x1bf]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0b |    |       |
| 2026/05/15 | 05:37:06.0 | XRT_CTRL_AUTO_408_OG [0x198]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |       |
| 2026/05/15 | 05:46:30.0 | XRT_CTRL_MANU_400_OG [0x190]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 05:46:32.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 05:46:34.0 | XRT_FLD_RESET_415_OG [0x19f]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |       |
| 2026/05/15 | 05:46:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |    |       |

|            |            |   |   |       |                |
|------------|------------|---|---|-------|----------------|
| 2026/05/15 | 05:49:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]<br>MDP_XRT_PREFLR_STOP   | 1 | 07-F0 | e9             |
| 2026/05/15 | 06:35:24.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2026/05/15 | 06:35:26.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2026/05/15 | 06:35:28.0 | XRT_FOCUS_POSITION_406_OG [0x196]<br>XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00    |
| 2026/05/15 | 06:35:30.0 | AOCS_Ore-point_Start_12_OG [0x0a2]<br>AOCU_NM           | 5 | 02-76 | 00 07 a5 02 0c |
| 2026/05/15 | 06:35:48.0 | XRT_FLD_ENA_411_OG [0x19b]<br>MDP_XRT_FLD_ENA           | 1 | 07-F0 | d8             |
| 2026/05/15 | 06:35:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]<br>MDP_XRT_FLRCTRL_ENA   | 1 | 07-F0 | c8             |
| 2026/05/15 | 06:35:52.0 | XRT_AEC_RESET_448_OG [0x1c0]<br>MDP_XRT_AEC_RESET       | 1 | 07-F0 | d0             |
| 2026/05/15 | 06:35:54.0 | XRT_ARS_DIS_423_OG [0x1a7]<br>MDP_XRT_ARS_DIS           | 1 | 07-F0 | d5             |
| 2026/05/15 | 06:35:56.0 | XRT_FLD_RESET_401_OG [0x191]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2026/05/15 | 06:38:26.0 | XRT_QT_PROG_SET_427_OG [0x1ab]<br>MDP_XRT_QT_PROG_SET   | 2 | 07-F0 | c4 03          |
| 2026/05/15 | 06:38:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]<br>MDP_XRT_FL_PROG_SET   | 2 | 07-F0 | c5 0e          |
| 2026/05/15 | 06:38:30.0 | XRT_CTRL_AUTO_408_OG [0x198]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2026/05/15 | 06:58:24.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2026/05/15 | 06:58:26.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2026/05/15 | 06:58:28.0 | XRT_FOCUS_POSITION_406_OG [0x196]<br>XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00    |
| 2026/05/15 | 06:58:30.0 | AOCS_Ore-point_Start_13_OG [0x0a3]<br>AOCU_NM           | 5 | 02-76 | 00 ff a6 02 0c |
| 2026/05/15 | 06:58:48.0 | XRT_FLD_ENA_411_OG [0x19b]<br>MDP_XRT_FLD_ENA           | 1 | 07-F0 | d8             |
| 2026/05/15 | 06:58:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]<br>MDP_XRT_FLRCTRL_ENA   | 1 | 07-F0 | c8             |
| 2026/05/15 | 06:58:52.0 | XRT_AEC_RESET_448_OG [0x1c0]<br>MDP_XRT_AEC_RESET       | 1 | 07-F0 | d0             |
| 2026/05/15 | 06:58:54.0 | XRT_ARS_DIS_423_OG [0x1a7]<br>MDP_XRT_ARS_DIS           | 1 | 07-F0 | d5             |
| 2026/05/15 | 06:58:56.0 | XRT_FLD_RESET_401_OG [0x191]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2026/05/15 | 07:01:26.0 | XRT_QT_PROG_SET_436_OG [0x1b4]<br>MDP_XRT_QT_PROG_SET   | 2 | 07-F0 | c4 09          |
| 2026/05/15 | 07:01:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]<br>MDP_XRT_FL_PROG_SET   | 2 | 07-F0 | c5 0e          |
| 2026/05/15 | 07:01:30.0 | XRT_CTRL_AUTO_408_OG [0x198]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2026/05/15 | 07:26:30.0 | XRT_CTRL_MANU_400_OG [0x190]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2026/05/15 | 07:26:32.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2026/05/15 | 07:26:34.0 | XRT_FLD_RESET_415_OG [0x19f]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2026/05/15 | 07:26:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]<br>MDP_XRT_PREFLR_STRT   | 1 | 07-F0 | e8             |
| 2026/05/15 | 07:29:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]<br>MDP_XRT_PREFLR_STOP   | 1 | 07-F0 | e9             |
| 2026/05/15 | 08:13:54.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2026/05/15 | 08:13:56.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2026/05/15 | 08:13:58.0 | XRT_FOCUS_POSITION_406_OG [0x196]<br>XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00    |
| 2026/05/15 | 08:14:00.0 | AOCS_Ore-point_Start_14_OG [0x0a4]<br>AOCU_NM           | 5 | 02-76 | 00 f6 c1 02 0c |
| 2026/05/15 | 08:14:18.0 | XRT_FLD_ENA_411_OG [0x19b]<br>MDP_XRT_FLD_ENA           | 1 | 07-F0 | d8             |
| 2026/05/15 | 08:14:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]<br>MDP_XRT_FLRCTRL_ENA   | 1 | 07-F0 | c8             |
| 2026/05/15 | 08:14:22.0 | XRT_AEC_RESET_448_OG [0x1c0]<br>MDP_XRT_AEC_RESET       | 1 | 07-F0 | d0             |
| 2026/05/15 | 08:14:24.0 | XRT_ARS_DIS_423_OG [0x1a7]<br>MDP_XRT_ARS_DIS           | 1 | 07-F0 | d5             |
| 2026/05/15 | 08:14:26.0 | XRT_FLD_RESET_401_OG [0x191]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2026/05/15 | 08:16:56.0 | XRT_QT_PROG_SET_427_OG [0x1ab]<br>MDP_XRT_QT_PROG_SET   | 2 | 07-F0 | c4 03          |
| 2026/05/15 | 08:16:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]<br>MDP_XRT_FL_PROG_SET   | 2 | 07-F0 | c5 0e          |
| 2026/05/15 | 08:17:00.0 | XRT_CTRL_AUTO_408_OG [0x198]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2026/05/15 | 08:36:54.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2026/05/15 | 08:36:56.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2026/05/15 | 08:36:58.0 | XRT_FOCUS_POSITION_406_OG [0x196]<br>XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00    |
| 2026/05/15 | 08:37:00.0 | AOCS_Ore-point_Start_15_OG [0x0a5]<br>AOCU_NM           | 5 | 02-76 | 00 ed dc 02 0c |
| 2026/05/15 | 08:37:18.0 | XRT_FLD_ENA_411_OG [0x19b]                              |   |       |                |

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|            |            |                                    |                     |   |       |    |    |          |
|------------|------------|------------------------------------|---------------------|---|-------|----|----|----------|
| 2026/05/15 | 08:37:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |    |          |
|            |            |                                    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |    |          |
| 2026/05/15 | 08:37:22.0 | XRT_AEC_RESET_448_OG [0x1c0]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |    |          |
| 2026/05/15 | 08:37:24.0 | XRT_ARS_DIS_423_OG [0x1a7]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |          |
| 2026/05/15 | 08:37:26.0 | XRT_FLD_RESET_401_OG [0x191]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |          |
| 2026/05/15 | 08:39:56.0 | XRT_QT_PROG_SET_427_OG [0x1ab]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 03 |          |
| 2026/05/15 | 08:39:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0e |          |
| 2026/05/15 | 08:40:00.0 | XRT_CTRL_AUTO_408_OG [0x198]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |          |
| 2026/05/15 | 09:04:54.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2026/05/15 | 09:04:56.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2026/05/15 | 09:04:58.0 | XRT_FOCUS_POSITION_414_OG [0x19e]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | fe | 97 00    |
| 2026/05/15 | 09:05:00.0 | AOCs_OrE-point_Start_1_OG [0x097]  | AOCU_NM             | 5 | 02-76 | 02 | 05 | 58 01 db |
| 2026/05/15 | 09:05:18.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |    |          |
| 2026/05/15 | 09:05:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |    |          |
| 2026/05/15 | 09:05:22.0 | XRT_AEC_RESET_448_OG [0x1c0]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |    |          |
| 2026/05/15 | 09:05:24.0 | XRT_ARS_DIS_423_OG [0x1a7]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |          |
| 2026/05/15 | 09:05:26.0 | XRT_FLD_RESET_401_OG [0x191]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |          |
| 2026/05/15 | 09:06:30.0 | XRT_CTRL_MANU_400_OG [0x190]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2026/05/15 | 09:06:32.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2026/05/15 | 09:06:34.0 | XRT_FLD_RESET_415_OG [0x19f]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |          |
| 2026/05/15 | 09:06:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |          |
| 2026/05/15 | 09:07:56.0 | XRT_QT_PROG_SET_444_OG [0x1bc]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 02 |          |
| 2026/05/15 | 09:07:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0e |          |
| 2026/05/15 | 09:09:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |          |
| 2026/05/15 | 09:51:00.0 | XRT_Custom_430_OG [0x1ae]          |                     |   |       |    |    |          |
| 2026/05/15 | 09:52:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |          |
| 2026/05/15 | 10:46:30.5 | XRT_CTRL_MANU_400_OG [0x190]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2026/05/15 | 10:46:32.5 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2026/05/15 | 10:46:34.5 | XRT_FLD_RESET_415_OG [0x19f]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |          |
| 2026/05/15 | 10:46:36.5 | XRT_PREFLR_STRT_431_OG [0x1af]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |          |
| 2026/05/15 | 10:49:44.5 | XRT_PREFLR_STOP_419_OG [0x1a3]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |          |
| 2026/05/15 | 11:29:00.0 | XRT_Custom_430_OG [0x1ae]          |                     |   |       |    |    |          |
| 2026/05/15 | 11:30:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |          |
| 2026/05/15 | 12:39:00.0 | XRT_CTRL_MANU_400_OG [0x190]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2026/05/15 | 12:39:02.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2026/05/15 | 12:39:04.0 | XRT_FLD_RESET_415_OG [0x19f]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |          |
| 2026/05/15 | 12:39:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |          |
| 2026/05/15 | 12:42:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |          |
| 2026/05/15 | 13:07:54.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2026/05/15 | 13:07:56.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2026/05/15 | 13:07:58.0 | XRT_FOCUS_POSITION_406_OG [0x196]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | ff | aa 00    |
| 2026/05/15 | 13:08:00.0 | AOCs_OrE-point_Start_16_OG [0x0a6] | AOCU_NM             | 5 | 02-76 | 00 | e4 | fe 02 0c |
| 2026/05/15 | 13:08:18.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |    |          |
| 2026/05/15 | 13:08:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |    |          |
| 2026/05/15 | 13:08:22.0 | XRT_AEC_RESET_448_OG [0x1c0]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |    |          |
| 2026/05/15 | 13:08:24.0 | XRT_ARS_DIS_423_OG [0x1a7]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |          |
| 2026/05/15 | 13:08:26.0 | XRT_FLD_RESET_401_OG [0x191]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |          |
| 2026/05/15 | 13:10:56.0 | XRT_QT_PROG_SET_427_OG [0x1ab]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 03 |          |

|            |            |                                    |   |       |    |    |    |       |
|------------|------------|------------------------------------|---|-------|----|----|----|-------|
| 2026/05/15 | 13:10:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     |   |       |    |    |    |       |
|            |            | MDP_XRT_FL_PROG_SET                | 2 | 07-F0 | c5 | 0e |    |       |
| 2026/05/15 | 13:11:00.0 | XRT_CTRL_AUTO_408_OG [0x198]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0 |    |    |       |
| 2026/05/15 | 13:30:54.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 13:30:56.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 13:30:58.0 | XRT_FOCUS_POSITION_406_OG [0x196]  |   |       |    |    |    |       |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 | 22 | ff | aa | 00    |
| 2026/05/15 | 13:31:00.0 | AOCS_ORe-point_Start_17_OG [0x0a7] |   |       |    |    |    |       |
|            |            | AOCU_NM                            | 5 | 02-76 | 00 | dc | 19 | 02 0c |
| 2026/05/15 | 13:31:18.0 | XRT_FLD_ENA_411_OG [0x19b]         |   |       |    |    |    |       |
|            |            | MDP_XRT_FLD_ENA                    | 1 | 07-F0 | d8 |    |    |       |
| 2026/05/15 | 13:31:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     |   |       |    |    |    |       |
|            |            | MDP_XRT_FLRCTRL_ENA                | 1 | 07-F0 | c8 |    |    |       |
| 2026/05/15 | 13:31:22.0 | XRT_AEC_RESET_448_OG [0x1c0]       |   |       |    |    |    |       |
|            |            | MDP_XRT_AEC_RESET                  | 1 | 07-F0 | d0 |    |    |       |
| 2026/05/15 | 13:31:24.0 | XRT_ARS_DIS_423_OG [0x1a7]         |   |       |    |    |    |       |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 | d5 |    |    |       |
| 2026/05/15 | 13:31:26.0 | XRT_FLD_RESET_401_OG [0x191]       |   |       |    |    |    |       |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da |    |    |       |
| 2026/05/15 | 13:33:56.0 | XRT_QT_PROG_SET_427_OG [0x1ab]     |   |       |    |    |    |       |
|            |            | MDP_XRT_QT_PROG_SET                | 2 | 07-F0 | c4 | 03 |    |       |
| 2026/05/15 | 13:33:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     |   |       |    |    |    |       |
|            |            | MDP_XRT_FL_PROG_SET                | 2 | 07-F0 | c5 | 0e |    |       |
| 2026/05/15 | 13:34:00.0 | XRT_CTRL_AUTO_408_OG [0x198]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0 |    |    |       |
| 2026/05/15 | 14:17:00.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 14:17:02.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 14:17:04.0 | XRT_FLD_RESET_415_OG [0x19f]       |   |       |    |    |    |       |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da |    |    |       |
| 2026/05/15 | 14:17:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]     |   |       |    |    |    |       |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8 |    |    |       |
| 2026/05/15 | 14:20:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     |   |       |    |    |    |       |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9 |    |    |       |
| 2026/05/15 | 14:46:24.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 14:46:26.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 14:46:28.0 | XRT_FOCUS_POSITION_406_OG [0x196]  |   |       |    |    |    |       |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 | 22 | ff | aa | 00    |
| 2026/05/15 | 14:46:30.0 | AOCS_ORe-point_Start_18_OG [0x0a8] |   |       |    |    |    |       |
|            |            | AOCU_NM                            | 5 | 02-76 | 00 | d3 | 34 | 02 0c |
| 2026/05/15 | 14:46:48.0 | XRT_FLD_ENA_411_OG [0x19b]         |   |       |    |    |    |       |
|            |            | MDP_XRT_FLD_ENA                    | 1 | 07-F0 | d8 |    |    |       |
| 2026/05/15 | 14:46:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     |   |       |    |    |    |       |
|            |            | MDP_XRT_FLRCTRL_ENA                | 1 | 07-F0 | c8 |    |    |       |
| 2026/05/15 | 14:46:52.0 | XRT_AEC_RESET_448_OG [0x1c0]       |   |       |    |    |    |       |
|            |            | MDP_XRT_AEC_RESET                  | 1 | 07-F0 | d0 |    |    |       |
| 2026/05/15 | 14:46:54.0 | XRT_ARS_DIS_423_OG [0x1a7]         |   |       |    |    |    |       |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 | d5 |    |    |       |
| 2026/05/15 | 14:46:56.0 | XRT_FLD_RESET_401_OG [0x191]       |   |       |    |    |    |       |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da |    |    |       |
| 2026/05/15 | 14:49:26.0 | XRT_QT_PROG_SET_427_OG [0x1ab]     |   |       |    |    |    |       |
|            |            | MDP_XRT_QT_PROG_SET                | 2 | 07-F0 | c4 | 03 |    |       |
| 2026/05/15 | 14:49:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     |   |       |    |    |    |       |
|            |            | MDP_XRT_FL_PROG_SET                | 2 | 07-F0 | c5 | 0e |    |       |
| 2026/05/15 | 14:49:30.0 | XRT_CTRL_AUTO_408_OG [0x198]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0 |    |    |       |
| 2026/05/15 | 15:09:24.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 15:09:26.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 15:09:28.0 | XRT_FOCUS_POSITION_406_OG [0x196]  |   |       |    |    |    |       |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 | 22 | ff | aa | 00    |
| 2026/05/15 | 15:09:30.0 | AOCS_ORe-point_Start_19_OG [0x0a9] |   |       |    |    |    |       |
|            |            | AOCU_NM                            | 5 | 02-76 | 00 | ca | 4e | 02 0c |
| 2026/05/15 | 15:09:48.0 | XRT_FLD_ENA_411_OG [0x19b]         |   |       |    |    |    |       |
|            |            | MDP_XRT_FLD_ENA                    | 1 | 07-F0 | d8 |    |    |       |
| 2026/05/15 | 15:09:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     |   |       |    |    |    |       |
|            |            | MDP_XRT_FLRCTRL_ENA                | 1 | 07-F0 | c8 |    |    |       |
| 2026/05/15 | 15:09:52.0 | XRT_AEC_RESET_448_OG [0x1c0]       |   |       |    |    |    |       |
|            |            | MDP_XRT_AEC_RESET                  | 1 | 07-F0 | d0 |    |    |       |
| 2026/05/15 | 15:09:54.0 | XRT_ARS_DIS_423_OG [0x1a7]         |   |       |    |    |    |       |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 | d5 |    |    |       |
| 2026/05/15 | 15:09:56.0 | XRT_FLD_RESET_401_OG [0x191]       |   |       |    |    |    |       |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da |    |    |       |
| 2026/05/15 | 15:12:26.0 | XRT_QT_PROG_SET_427_OG [0x1ab]     |   |       |    |    |    |       |
|            |            | MDP_XRT_QT_PROG_SET                | 2 | 07-F0 | c4 | 03 |    |       |
| 2026/05/15 | 15:12:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     |   |       |    |    |    |       |
|            |            | MDP_XRT_FL_PROG_SET                | 2 | 07-F0 | c5 | 0e |    |       |
| 2026/05/15 | 15:12:30.0 | XRT_CTRL_AUTO_408_OG [0x198]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0 |    |    |       |
| 2026/05/15 | 15:55:00.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 15:55:02.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |    |    |    |       |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1 |    |    |       |
| 2026/05/15 | 15:55:04.0 | XRT_FLD_RESET_415_OG [0x19f]       |   |       |    |    |    |       |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da |    |    |       |
| 2026/05/15 | 15:55:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]     |   |       |    |    |    |       |

|            |            |                                    |                     |   |       |                |  |  |
|------------|------------|------------------------------------|---------------------|---|-------|----------------|--|--|
| 2026/05/15 | 15:58:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e8             |  |  |
| 2026/05/15 | 16:30:30.0 | XRT_CTRL_MANU_400_OG [0x190]       | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2026/05/15 | 16:30:32.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2026/05/15 | 16:30:34.0 | XRT_FLD_RESET_415_OG [0x19f]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2026/05/15 | 16:30:36.0 | XRT_PREFLR_STOP_431_OG [0x1af]     | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2026/05/15 | 16:33:24.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e8             |  |  |
| 2026/05/15 | 16:33:26.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2026/05/15 | 16:33:28.0 | XRT_FOCUS_POSITION_406_OG [0x196]  | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2026/05/15 | 16:33:30.0 | AOCS_ORe-point_Start_20_OG [0x0aa] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |  |
| 2026/05/15 | 16:33:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     | AOCU_NM             | 5 | 02-76 | 00 c1 69 02 0c |  |  |
| 2026/05/15 | 16:33:48.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2026/05/15 | 16:33:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |  |
| 2026/05/15 | 16:33:52.0 | XRT_AEC_RESET_448_OG [0x1c0]       | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |  |
| 2026/05/15 | 16:33:54.0 | XRT_ARS_DIS_423_OG [0x1a7]         | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |  |
| 2026/05/15 | 16:33:56.0 | XRT_FLD_RESET_401_OG [0x191]       | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |
| 2026/05/15 | 16:36:26.0 | XRT_OT_PROG_SET_427_OG [0x1ab]     | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2026/05/15 | 16:36:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     | MDP_XRT_OT_PROG_SET | 2 | 07-F0 | c4 03          |  |  |
| 2026/05/15 | 16:36:30.0 | XRT_CTRL_AUTO_408_OG [0x198]       | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0e          |  |  |
| 2026/05/15 | 16:56:24.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2026/05/15 | 16:56:26.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2026/05/15 | 16:56:28.0 | XRT_FOCUS_POSITION_406_OG [0x196]  | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2026/05/15 | 16:56:30.0 | AOCS_ORe-point_Start_21_OG [0x0ab] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |  |
| 2026/05/15 | 16:56:48.0 | XRT_FLD_ENA_411_OG [0x19b]         | AOCU_NM             | 5 | 02-76 | 00 b8 8c 02 0c |  |  |
| 2026/05/15 | 16:56:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |  |
| 2026/05/15 | 16:56:52.0 | XRT_AEC_RESET_448_OG [0x1c0]       | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |  |
| 2026/05/15 | 16:56:54.0 | XRT_ARS_DIS_423_OG [0x1a7]         | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |  |
| 2026/05/15 | 16:56:56.0 | XRT_FLD_RESET_401_OG [0x191]       | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |
| 2026/05/15 | 16:59:26.0 | XRT_OT_PROG_SET_427_OG [0x1ab]     | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2026/05/15 | 16:59:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     | MDP_XRT_OT_PROG_SET | 2 | 07-F0 | c4 03          |  |  |
| 2026/05/15 | 16:59:30.0 | XRT_CTRL_AUTO_408_OG [0x198]       | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0e          |  |  |
| 2026/05/15 | 17:33:00.0 | XRT_CTRL_MANU_400_OG [0x190]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2026/05/15 | 17:33:02.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2026/05/15 | 17:33:04.0 | XRT_FLD_RESET_415_OG [0x19f]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2026/05/15 | 17:33:06.0 | XRT_PREFLR_STOP_431_OG [0x1af]     | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2026/05/15 | 17:36:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e8             |  |  |
| 2026/05/15 | 18:09:54.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2026/05/15 | 18:09:56.0 | XRT_CTRL_MANU_402_OG [0x192]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2026/05/15 | 18:09:58.0 | XRT_FOCUS_POSITION_406_OG [0x196]  | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2026/05/15 | 18:10:00.0 | AOCS_ORe-point_Start_22_OG [0x0ac] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |  |
| 2026/05/15 | 18:10:18.0 | XRT_FLD_ENA_411_OG [0x19b]         | AOCU_NM             | 5 | 02-76 | 00 af a6 02 0c |  |  |
| 2026/05/15 | 18:10:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |  |
| 2026/05/15 | 18:10:22.0 | XRT_AEC_RESET_448_OG [0x1c0]       | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |  |
| 2026/05/15 | 18:10:24.0 | XRT_ARS_DIS_423_OG [0x1a7]         | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |  |
| 2026/05/15 | 18:10:26.0 | XRT_FLD_RESET_401_OG [0x191]       | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |
| 2026/05/15 | 18:12:56.0 | XRT_OT_PROG_SET_427_OG [0x1ab]     | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2026/05/15 | 18:12:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     | MDP_XRT_OT_PROG_SET | 2 | 07-F0 | c4 03          |  |  |
| 2026/05/15 |            |                                    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0e          |  |  |

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|            |            |                                    |   |       |                |  |  |  |  |
|------------|------------|------------------------------------|---|-------|----------------|--|--|--|--|
| 2026/05/15 | 18:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/15 | 18:49:54.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 18:49:56.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 18:49:58.0 | XRT_FOCUS_POSITION_406_OG [0x196]  |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2026/05/15 | 18:50:00.0 | AOCS_Ore-point_Start_8_OG [0x09e]  |   |       |                |  |  |  |  |
|            |            | AOCU_NM                            | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2026/05/15 | 18:50:18.0 | XRT_FLD_DIS_409_OG [0x199]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_DIS                    | 1 | 07-F0 | d9             |  |  |  |  |
| 2026/05/15 | 18:50:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_DIS                | 1 | 07-F0 | c9             |  |  |  |  |
| 2026/05/15 | 18:50:22.0 | XRT_ARS_DIS_420_OG [0x1a4]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 | d5             |  |  |  |  |
| 2026/05/15 | 18:52:58.0 | XRT_QT_PROG_SET_447_OG [0x1bf]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET                | 2 | 07-F0 | c4 0b          |  |  |  |  |
| 2026/05/15 | 18:53:00.0 | XRT_CTRL_AUTO_408_OG [0x198]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/15 | 19:00:00.0 | AOCS_Ore-point_Start_23_OG [0x0ad] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                            | 5 | 02-76 | 00 ee 36 53 a5 |  |  |  |  |
| 2026/05/15 | 19:08:30.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 19:08:32.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 19:08:34.0 | XRT_FOCUS_POSITION_406_OG [0x196]  |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2026/05/15 | 19:08:54.0 | XRT_FLD_DIS_446_OG [0x1be]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_DIS                    | 1 | 07-F0 | d9             |  |  |  |  |
| 2026/05/15 | 19:10:54.0 | XRT_FLRCTRL_DIS_413_OG [0x19d]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_DIS                | 1 | 07-F0 | c9             |  |  |  |  |
| 2026/05/15 | 19:10:56.0 | XRT_ARS_DIS_423_OG [0x1a7]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 | d5             |  |  |  |  |
| 2026/05/15 | 19:10:58.0 | XRT_QT_PROG_SET_403_OG [0x193]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET                | 2 | 07-F0 | c4 06          |  |  |  |  |
| 2026/05/15 | 19:11:00.0 | XRT_CTRL_AUTO_408_OG [0x198]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/15 | 19:21:00.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 19:21:02.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 19:21:04.0 | XRT_FOCUS_POSITION_414_OG [0x19e]  |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2026/05/15 | 19:21:24.0 | XRT_FLD_ENA_411_OG [0x19b]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                    | 1 | 07-F0 | d8             |  |  |  |  |
| 2026/05/15 | 19:21:26.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA                | 1 | 07-F0 | c8             |  |  |  |  |
| 2026/05/15 | 19:21:28.0 | XRT_AEC_RESET_448_OG [0x1c0]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                  | 1 | 07-F0 | d0             |  |  |  |  |
| 2026/05/15 | 19:21:30.0 | XRT_ARS_DIS_423_OG [0x1a7]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 | d5             |  |  |  |  |
| 2026/05/15 | 19:21:32.0 | XRT_FLD_RESET_401_OG [0x191]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/15 | 19:24:02.0 | XRT_QT_PROG_SET_437_OG [0x1b5]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET                | 2 | 07-F0 | c4 12          |  |  |  |  |
| 2026/05/15 | 19:24:04.0 | XRT_FL_PROG_SET_441_OG [0x1b9]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET                | 2 | 07-F0 | c5 0a          |  |  |  |  |
| 2026/05/15 | 19:45:31.0 | XRT_Custom_430_OG [0x1ae]          |   |       |                |  |  |  |  |
| 2026/05/15 | 19:46:31.0 | XRT_CTRL_AUTO_424_OG [0x1a8]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/15 | 20:49:30.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 20:49:32.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 20:49:34.0 | XRT_FLD_RESET_415_OG [0x19f]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/15 | 20:49:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |  |  |  |  |
| 2026/05/15 | 20:52:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |  |  |  |  |
| 2026/05/15 | 21:22:00.5 | XRT_Custom_430_OG [0x1ae]          |   |       |                |  |  |  |  |
| 2026/05/15 | 21:23:00.5 | XRT_CTRL_AUTO_424_OG [0x1a8]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/15 | 22:27:30.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 22:27:32.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/15 | 22:27:34.0 | XRT_FLD_RESET_415_OG [0x19f]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/15 | 22:27:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |  |  |  |  |
| 2026/05/15 | 22:30:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |  |  |  |  |
| 2026/05/15 | 22:58:30.0 | XRT_Custom_430_OG [0x1ae]          |   |       |                |  |  |  |  |
| 2026/05/15 | 22:59:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/16 | 00:05:30.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/16 | 00:05:32.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/16 | 00:05:34.0 | XRT_FLD_RESET_415_OG [0x19f]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |

|            |            |                                    |   |       |                |  |  |  |  |
|------------|------------|------------------------------------|---|-------|----------------|--|--|--|--|
| 2026/05/16 | 00:05:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |  |  |  |  |
| 2026/05/16 | 00:08:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |  |  |  |  |
| 2026/05/16 | 00:34:00.0 | XRT_Custom_430_OG [0x1ae]          |   |       |                |  |  |  |  |
| 2026/05/16 | 00:35:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/16 | 01:39:54.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/16 | 01:39:56.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/16 | 01:39:58.0 | XRT_FOCUS_POSITION_414_OG [0x19e]  |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2026/05/16 | 01:40:00.0 | AOCS_ORe-point_Start_23_OG [0x0ad] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                            | 5 | 02-76 | 00 ee 36 53 a5 |  |  |  |  |
| 2026/05/16 | 01:40:18.0 | XRT_FLD_ENA_411_OG [0x19b]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                    | 1 | 07-F0 | d8             |  |  |  |  |
| 2026/05/16 | 01:40:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA                | 1 | 07-F0 | c8             |  |  |  |  |
| 2026/05/16 | 01:40:22.0 | XRT_AEC_RESET_448_OG [0x1c0]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                  | 1 | 07-F0 | d0             |  |  |  |  |
| 2026/05/16 | 01:40:24.0 | XRT_ARS_DIS_423_OG [0x1a7]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 | d5             |  |  |  |  |
| 2026/05/16 | 01:40:26.0 | XRT_FLD_RESET_401_OG [0x191]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/16 | 01:42:56.0 | XRT_OT_PROG_SET_445_OG [0x1bd]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_OT_PROG_SET                | 2 | 07-F0 | c4 01          |  |  |  |  |
| 2026/05/16 | 01:42:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET                | 2 | 07-F0 | c5 0e          |  |  |  |  |
| 2026/05/16 | 01:43:30.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/16 | 01:43:32.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/16 | 01:43:34.0 | XRT_FLD_RESET_415_OG [0x19f]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/16 | 01:43:36.0 | XRT_PREFLR_STRT_431_OG [0x1af]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |  |  |  |  |
| 2026/05/16 | 01:46:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |  |  |  |  |
| 2026/05/16 | 02:12:00.0 | XRT_Custom_430_OG [0x1ae]          |   |       |                |  |  |  |  |
| 2026/05/16 | 02:13:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/16 | 03:12:00.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/16 | 03:12:02.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/16 | 03:12:04.0 | XRT_FLD_RESET_415_OG [0x19f]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/16 | 03:12:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |  |  |  |  |
| 2026/05/16 | 03:15:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |  |  |  |  |
| 2026/05/16 | 03:50:00.0 | XRT_Custom_430_OG [0x1ae]          |   |       |                |  |  |  |  |
| 2026/05/16 | 03:51:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/16 | 03:59:54.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/16 | 03:59:56.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/16 | 03:59:58.0 | XRT_FOCUS_POSITION_406_OG [0x196]  |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2026/05/16 | 04:00:00.0 | AOCS_ORe-point_Start_8_OG [0x09e]  |   |       |                |  |  |  |  |
|            |            | AOCU_NM                            | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2026/05/16 | 04:00:18.0 | XRT_FLD_ENA_411_OG [0x19b]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                    | 1 | 07-F0 | d8             |  |  |  |  |
| 2026/05/16 | 04:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA                | 1 | 07-F0 | c8             |  |  |  |  |
| 2026/05/16 | 04:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                  | 1 | 07-F0 | d0             |  |  |  |  |
| 2026/05/16 | 04:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 | d5             |  |  |  |  |
| 2026/05/16 | 04:00:26.0 | XRT_FLD_RESET_401_OG [0x191]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/16 | 04:02:56.0 | XRT_OT_PROG_SET_405_OG [0x195]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_OT_PROG_SET                | 2 | 07-F0 | c4 08          |  |  |  |  |
| 2026/05/16 | 04:02:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET                | 2 | 07-F0 | c5 0e          |  |  |  |  |
| 2026/05/16 | 04:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/16 | 04:41:00.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/16 | 04:41:02.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2026/05/16 | 04:41:04.0 | XRT_FLD_RESET_415_OG [0x19f]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2026/05/16 | 04:41:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |  |  |  |  |
| 2026/05/16 | 04:44:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |  |  |  |  |
| 2026/05/16 | 05:28:30.0 | XRT_Custom_430_OG [0x1ae]          |   |       |                |  |  |  |  |
| 2026/05/16 | 05:29:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2026/05/16 | 05:52:24.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |       |                |  |  |  |  |

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|            |            |                                   |                              |   |       |    |    |    |    |    |
|------------|------------|-----------------------------------|------------------------------|---|-------|----|----|----|----|----|
| 2026/05/16 | 05:52:26.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU            | 1 | 07-F0 | c1 |    |    |    |    |
| 2026/05/16 | 05:52:28.0 | XRT_FOCUS_POSITION_406_OG [0x196] | MDP_XRT_CTRL_MANU            | 1 | 07-F0 | c1 |    |    |    |    |
| 2026/05/16 | 05:52:30.0 | AOCS_ORe-point_Start_8_OG [0x09e] | XRT_FOCUS_POSITION           | 4 | 07-F8 | 22 | ff | aa | 00 |    |
| 2026/05/16 | 05:52:48.0 | XRT_FLD_DIS_409_OG [0x199]        | AOCU_NM                      | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2026/05/16 | 05:52:50.0 | XRT_FLRCTRL_DIS_413_OG [0x19d]    | MDP_XRT_FLD_DIS              | 1 | 07-F0 | d9 |    |    |    |    |
| 2026/05/16 | 05:52:52.0 | XRT_ARS_DIS_420_OG [0x1a4]        | MDP_XRT_FLRCTRL_DIS          | 1 | 07-F0 | c9 |    |    |    |    |
| 2026/05/16 | 05:55:28.0 | XRT_QT_PROG_SET_447_OG [0x1bf]    | MDP_XRT_ARS_DIS              | 1 | 07-F0 | d5 |    |    |    |    |
| 2026/05/16 | 05:55:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_QT_PROG_SET          | 2 | 07-F0 | c4 | 0b |    |    |    |
| 2026/05/16 | 06:02:24.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_AUTO            | 1 | 07-F0 | c0 |    |    |    |    |
| 2026/05/16 | 06:02:26.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU            | 1 | 07-F0 | c1 |    |    |    |    |
| 2026/05/16 | 06:02:28.0 | XRT_FOCUS_POSITION_414_OG [0x19e] | MDP_XRT_CTRL_MANU            | 1 | 07-F0 | c1 |    |    |    |    |
| 2026/05/16 | 06:02:30.0 | AOCS_ORe-point_Start_1_OG [0x097] | XRT_FOCUS_POSITION           | 4 | 07-F8 | 22 | fe | 97 | 00 |    |
| 2026/05/16 | 06:02:48.0 | XRT_FLD_ENA_411_OG [0x19b]        | AOCU_NM                      | 5 | 02-76 | 02 | 05 | 58 | 01 | db |
| 2026/05/16 | 06:02:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLD_ENA              | 1 | 07-F0 | d8 |    |    |    |    |
| 2026/05/16 | 06:02:52.0 | XRT_AEC_RESET_448_OG [0x1c0]      | MDP_XRT_FLRCTRL_ENA          | 1 | 07-F0 | c8 |    |    |    |    |
| 2026/05/16 | 06:02:54.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_AEC_RESET            | 1 | 07-F0 | d0 |    |    |    |    |
| 2026/05/16 | 06:02:56.0 | XRT_FLD_RESET_401_OG [0x191]      | MDP_XRT_ARS_DIS              | 1 | 07-F0 | d5 |    |    |    |    |
| 2026/05/16 | 06:05:26.0 | XRT_QT_PROG_SET_445_OG [0x1bd]    | MDP_XRT_FLD_RESET            | 1 | 07-F0 | da |    |    |    |    |
| 2026/05/16 | 06:05:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]    | MDP_XRT_QT_PROG_SET          | 2 | 07-F0 | c4 | 01 |    |    |    |
| 2026/05/16 | 06:05:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_FL_PROG_SET          | 2 | 07-F0 | c5 | 0e |    |    |    |
| 2026/05/16 | 06:19:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_AUTO            | 1 | 07-F0 | c0 |    |    |    |    |
| 2026/05/16 | 06:19:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU            | 1 | 07-F0 | c1 |    |    |    |    |
| 2026/05/16 | 06:19:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_CTRL_MANU            | 1 | 07-F0 | c1 |    |    |    |    |
| 2026/05/16 | 06:19:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]    | MDP_XRT_FLD_RESET            | 1 | 07-F0 | da |    |    |    |    |
| 2026/05/16 | 06:22:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STRT          | 1 | 07-F0 | e8 |    |    |    |    |
| 2026/05/16 | 07:06:30.0 | XRT_Custom_430_OG [0x1ae]         | MDP_XRT_PREFLR_STOP          | 1 | 07-F0 | e9 |    |    |    |    |
| 2026/05/16 | 07:07:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | XRT_Custom_430_OG [0x1ae]    |   |       |    |    |    |    |    |
| 2026/05/16 | 07:59:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | XRT_CTRL_AUTO_424_OG [0x1a8] |   |       |    |    |    |    |    |
| 2026/05/16 | 07:59:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_AUTO            | 1 | 07-F0 | c0 |    |    |    |    |
| 2026/05/16 | 07:59:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_CTRL_MANU            | 1 | 07-F0 | c1 |    |    |    |    |
| 2026/05/16 | 07:59:06.0 | XRT_PREFLR_STRT_431_OG [0x1af]    | MDP_XRT_CTRL_MANU            | 1 | 07-F0 | c1 |    |    |    |    |
| 2026/05/16 | 08:02:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_FLD_RESET            | 1 | 07-F0 | da |    |    |    |    |
| 2026/05/16 | 08:44:30.0 | XRT_Custom_430_OG [0x1ae]         | MDP_XRT_PREFLR_STRT          | 1 | 07-F0 | e8 |    |    |    |    |
| 2026/05/16 | 08:45:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_PREFLR_STOP          | 1 | 07-F0 | e9 |    |    |    |    |
| 2026/05/16 | 08:59:54.0 | XRT_CTRL_MANU_402_OG [0x192]      | XRT_CTRL_AUTO_424_OG [0x1a8] |   |       |    |    |    |    |    |
| 2026/05/16 | 08:59:56.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_AUTO            | 1 | 07-F0 | c0 |    |    |    |    |
| 2026/05/16 | 08:59:58.0 | XRT_FOCUS_POSITION_414_OG [0x19e] | MDP_XRT_CTRL_MANU            | 1 | 07-F0 | c1 |    |    |    |    |
| 2026/05/16 | 09:00:00.0 | AOCS_ORe-point_Start_1_OG [0x097] | MDP_XRT_CTRL_MANU            | 1 | 07-F0 | c1 |    |    |    |    |
| 2026/05/16 | 09:00:18.0 | XRT_FLD_ENA_411_OG [0x19b]        | XRT_FOCUS_POSITION           | 4 | 07-F8 | 22 | fe | 97 | 00 |    |
| 2026/05/16 | 09:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | AOCU_NM                      | 5 | 02-76 | 02 | 05 | 58 | 01 | db |
| 2026/05/16 | 09:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0]      | MDP_XRT_FLD_ENA              | 1 | 07-F0 | d8 |    |    |    |    |
| 2026/05/16 | 09:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_FLRCTRL_ENA          | 1 | 07-F0 | c8 |    |    |    |    |
| 2026/05/16 | 09:00:26.0 | XRT_FLD_RESET_401_OG [0x191]      | MDP_XRT_AEC_RESET            | 1 | 07-F0 | d0 |    |    |    |    |
| 2026/05/16 | 09:02:56.0 | XRT_QT_PROG_SET_444_OG [0x1bc]    | MDP_XRT_ARS_DIS              | 1 | 07-F0 | d5 |    |    |    |    |
| 2026/05/16 | 09:02:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]    | MDP_XRT_FLD_RESET            | 1 | 07-F0 | da |    |    |    |    |
| 2026/05/16 | 09:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_QT_PROG_SET          | 2 | 07-F0 | c4 | 02 |    |    |    |
| 2026/05/16 | 09:38:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_FL_PROG_SET          | 2 | 07-F0 | c5 | 0e |    |    |    |
|            |            |                                   | MDP_XRT_CTRL_AUTO            | 1 | 07-F0 | c0 |    |    |    |    |
|            |            |                                   | MDP_XRT_CTRL_MANU            | 1 | 07-F0 | c1 |    |    |    |    |

