

## Period: 2025/10/09 10:53:00 - 2025/10/14 11:07:00

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| XOB #1D06: CCD Monitor During Bakeout - G-band 1ms - 1kx1k - Q90 - 4th Quadrant -All/mesh(2048ms) - 1x1, All/Poly(1443ms) - 2x2 - w leak image-1msCCD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                        |  |  |  |  |                 |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|--|--|--|-----------------|--|--|--|--|--|--|--|
| Term                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | Pointing (x, y)        |  |  |  |  | Comment         |  |  |  |  |  |  |  |
| 10/11 00:33:00 - 10/11 00:39:54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Fixed ( -528.4, 528.4) |  |  |  |  | Post bakeout Q4 |  |  |  |  |  |  |  |
| <b>PROG= 11      1-time(s)</b><br><div style="margin-left: 20px;"> <b>Subr= 1      1-time(s)      2.0sec</b><br/> <div style="margin-left: 20px;"> <b>Seqn= 14      1-time(s)      2.0sec</b><br/> <div style="margin-left: 20px;"> Open/G-band    Open/G-band    open    Safe    Norm    1ms    Obs    1x1    1024x1024 (1536, 512)    Q=90    0    0    2.0sec<br/> Open/G-band    Open/G-band    open    Safe    Norm    1ms    Obs    1x1    1024x1024 (1536, 512)    Q=90    0    0    2.0sec<br/> Open/thick-Be    Open/thick-Be    close    Safe    Dark    1ms    Obs    1x1    1024x1024 (1536, 512)    Q=98    0    0    2.0sec<br/> Open/thick-Be    Open/thick-Be    close    Safe    Dark    1ms    Obs    1x1    1024x1024 (1536, 512)    Q=98    0    0    2.0sec </div> </div> </div> <div style="margin-left: 20px;"> <b>Subr= 2      1-time(s)      120.0sec</b> </div> |  |                        |  |  |  |  |                 |  |  |  |  |  |  |  |

|   |                 |                |                  |                |       |      |       |     |                    |                        |       |            |          |        |
|---|-----------------|----------------|------------------|----------------|-------|------|-------|-----|--------------------|------------------------|-------|------------|----------|--------|
| └ | <b>Seqn= 93</b> |                | <b>2-time(s)</b> | <b>2.0sec</b>  |       |      |       |     |                    |                        |       |            |          |        |
|   | Open/Al-mesh    |                | Open/thick-Al    | close          | Safe  | Norm | 2.00s | Obs | 1x1                | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|   | Al-poly/Open    |                | med-Be/Open      | close          | Safe  | Norm | 1.41s | Obs | 2x2                | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|   | <b>Subr= 3</b>  |                | <b>2-time(s)</b> | <b>2.0sec</b>  |       |      |       |     |                    |                        |       |            |          |        |
| └ | <b>Seqn= 34</b> |                | <b>1-time(s)</b> | <b>60.0sec</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 |
|   | Default Filter  | Thicker Filter | VLS              | mode           | image | Exp. | CCD   | Bin | ROI: size (center) |                        | Comp. | AEC Buffer | Interval |        |

# XOB #1D07: Synoptic 8 Filter w/ Al-mesh(5/128/723), Al-poly(8/181/1443), Thin-Be(33/512/4096), Thick-Be(32768), Med-Al(256/8192/32768), Med-Be(128/5792)

| Term                            | Pointing (x, y)   | Comment                   |
|---------------------------------|-------------------|---------------------------|
| 10/11 00:43:00 - 10/11 00:49:54 | Fixed ( 0.0, 0.0) | Post bakeout synoptics    |
| 10/11 06:08:00 - 10/11 06:14:54 | Fixed ( 0.0, 0.0) | synoptic, shifted 5.0 min |

|                 |               |                  |                  |       |        |       |       |       |     |                        |                        |       |            |          |        |        |
|-----------------|---------------|------------------|------------------|-------|--------|-------|-------|-------|-----|------------------------|------------------------|-------|------------|----------|--------|--------|
| PROG= 06        |               | 1-time(s)        |                  |       |        |       |       |       |     |                        |                        |       |            |          |        |        |
| ┌               | Subr= 1       |                  | 1-time(s)        |       | 2.0sec |       |       |       |     |                        |                        |       |            |          |        |        |
|                 | Seqn= 5       |                  | 1-time(s)        |       | 2.0sec |       |       |       |     |                        |                        |       |            |          |        |        |
|                 | Open/Ti-poly  |                  | Open/thick-Al    |       | close  | Safe  | Dark  | 500ms | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=98       | 0        | 0      | 2.0sec |
|                 | Open/Ti-poly  |                  | Open/thick-Al    |       | close  | Safe  | Dark  | 500ms | Obs | 4x4                    | 2048x2048 (1024, 1024) |       | Q=98       | 0        | 0      | 2.0sec |
|                 | Open/Ti-poly  |                  | Open/thick-Al    |       | close  | Safe  | Dark  | 500ms | Obs | 8x8                    | 2048x2048 (1024, 1024) |       | Q=98       | 0        | 0      | 2.0sec |
|                 | Open/Ti-poly  |                  | Open/thick-Al    |       | close  | Safe  | Dark  | 500ms | Obs | 1x1                    | 2048x512 (1024, 1024)  |       | DPCM       | 0        | 0      | 2.0sec |
|                 | Open/Ti-poly  |                  | Open/thick-Al    |       | close  | Safe  | Dark  | 500ms | Obs | 1x1                    | 512x2048 (1024, 1024)  |       | DPCM       | 0        | 0      | 2.0sec |
|                 | Seqn= 26      |                  | 1-time(s)        |       | 2.0sec |       |       |       |     |                        |                        |       |            |          |        |        |
|                 | Open/Al-mesh  |                  | Open/Al-mesh     |       | close  | Safe  | Norm  | 5ms   | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | Open/Al-mesh  |                  | Open/Al-mesh     |       | close  | Safe  | Norm  | 125ms | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | Open/Al-mesh  |                  | Open/Al-mesh     |       | close  | Safe  | Norm  | 707ms | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | Seqn= 99      |                  | 1-time(s)        |       | 2.0sec |       |       |       |     |                        |                        |       |            |          |        |        |
|                 | Al-poly/Open  |                  | Al-poly/Open     |       | close  | Safe  | Norm  | 8ms   | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | Al-poly/Open  |                  | Al-poly/Open     |       | close  | Safe  | Norm  | 177ms | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | Al-poly/Open  |                  | Al-poly/thick-Al |       | close  | Safe  | Norm  | 1.41s | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | Seqn= 83      |                  | 1-time(s)        |       | 2.0sec |       |       |       |     |                        |                        |       |            |          |        |        |
|                 | thin-Be/Open  |                  | thin-Be/Open     |       | close  | Safe  | Norm  | 32ms  | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | thin-Be/Open  |                  | thin-Be/Open     |       | close  | Safe  | Norm  | 500ms | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | thin-Be/Open  |                  | thin-Be/Open     |       | close  | Safe  | Norm  | 4.00s | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | Seqn= 23      |                  | 1-time(s)        |       | 4.0sec |       |       |       |     |                        |                        |       |            |          |        |        |
| Open/G-band     |               | Open/G-band      |                  | open  | Safe   | Norm  | 1ms   | Obs   | 1x1 | 2048x2048 (1024, 1024) |                        | Q=90  | 0          | 0        | 2.0sec |        |
| Open/G-band     |               | Open/G-band      |                  | close | Safe   | Norm  | 1ms   | Obs   | 1x1 | 2048x2048 (1024, 1024) |                        | Q=95  | 0          | 0        | 2.0sec |        |
| ┌               | Subr= 2       |                  | 1-time(s)        |       | 2.0sec |       |       |       |     |                        |                        |       |            |          |        |        |
|                 | Seqn= 41      |                  | 1-time(s)        |       | 2.0sec |       |       |       |     |                        |                        |       |            |          |        |        |
|                 | Open/thick-Be |                  | Open/thick-Be    |       | close  | Safe  | Norm  | 32.0s | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=98       | 0        | 0      | 2.0sec |
|                 | Seqn= 17      |                  | 1-time(s)        |       | 2.0sec |       |       |       |     |                        |                        |       |            |          |        |        |
|                 | med-Al/Open   |                  | med-Al/thick-Al  |       | close  | Safe  | Norm  | 250ms | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | med-Al/Open   |                  | med-Al/thick-Al  |       | close  | Safe  | Norm  | 8.00s | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | med-Al/Open   |                  | med-Al/Open      |       | close  | Safe  | Norm  | 32.0s | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | Seqn= 33      |                  | 1-time(s)        |       | 2.0sec |       |       |       |     |                        |                        |       |            |          |        |        |
|                 | med-Be/Open   |                  | Open/thick-Al    |       | close  | Safe  | Norm  | 125ms | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | med-Be/Open   |                  | med-Be/Open      |       | close  | Safe  | Norm  | 5.66s | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | med-Be/Open   |                  | med-Be/Open      |       | close  | Safe  | Norm  | 22.6s | Obs | 2x2                    | 2048x2048 (1024, 1024) |       | Q=95       | 0        | 0      | 2.0sec |
|                 | Seqn= 75      |                  | 1-time(s)        |       | 2.0sec |       |       |       |     |                        |                        |       |            |          |        |        |
| Al-poly/Ti-poly |               | Al-poly/thick-Al |                  | close | Safe   | Norm  | 44ms  | Obs   | 2x2 | 2048x2048 (1024, 1024) |                        | Q=98  | 0          | 0        | 2.0sec |        |
| Al-poly/Ti-poly |               | Al-poly/thick-Al |                  | close | Safe   | Norm  | 2.00s | Obs   | 2x2 | 2048x2048 (1024, 1024) |                        | Q=98  | 0          | 0        | 2.0sec |        |
| Default Filter  |               | Thicker Filter   |                  | VLS   | mode   | image | Exp.  | CCD   | Bin | ROI: size (center)     |                        | Comp. | AEC Buffer | Interval |        |        |

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

| Term                            | Pointing (x, y)     | Comment                         |
|---------------------------------|---------------------|---------------------------------|
| 10/11 01:05:00 - 10/11 02:49:54 | Fixed ( 0.0, 930.0) | Co-alignment program run N-limb |

|                |             |                |             |             |       |       |          |        |                       |                        |                        |            |          |        |        |        |  |
|----------------|-------------|----------------|-------------|-------------|-------|-------|----------|--------|-----------------------|------------------------|------------------------|------------|----------|--------|--------|--------|--|
| PROG= 02       |             | 1-time(s)      |             |             |       |       |          |        |                       |                        |                        |            |          |        |        |        |  |
| └              | Subr= 1     |                | 1-time(s)   |             |       |       | 2.0sec   |        |                       |                        |                        |            |          |        |        |        |  |
|                | └           | Seqn= 23       |             | 1-time(s)   |       |       |          | 2.0sec |                       |                        |                        |            |          |        |        |        |  |
|                |             | Open/G-band    |             | Open/G-band | open  | Safe  | Norm     | 1ms    | Obs                   | 1x1                    | 2048x2048 (1024, 1024) |            | Q=90     | 0      | 0      | 2.0sec |  |
|                | Open/G-band |                | Open/G-band | close       | Safe  | Norm  | 1ms      | Obs    | 1x1                   | 2048x2048 (1024, 1024) |                        | Q=95       | 0        | 0      | 2.0sec |        |  |
| └              | Subr= 2     |                | 24-time(s)  |             |       |       | 300.0sec |        |                       |                        |                        |            |          |        |        |        |  |
|                | └           | Seqn= 69       |             | 1-time(s)   |       |       |          | 2.0sec |                       |                        |                        |            |          |        |        |        |  |
| Al-poly/Open   |             | med-Be/Open    | close       | Safe        | Norm  | 1.41s | Obs      | 2x2    | 2048x1536 (1024, 768) |                        | Q=95                   | 0          | 0        | 2.0sec |        |        |  |
| Default Filter |             | Thicker Filter | VLS         | mode        | image | Exp.  | CCD      | Bin    | ROI: size (center)    |                        | Comp.                  | AEC Buffer | Interval |        |        |        |  |

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

| Term                            | Pointing (x, y)      | Comment                         |
|---------------------------------|----------------------|---------------------------------|
| 10/11 03:05:00 - 10/11 04:49:54 | Fixed ( -970.0, 0.0) | Co-alignment program run E-limb |

|          |         |                |           |                |       |      |        |          |     |     |                        |  |       |            |          |        |  |
|----------|---------|----------------|-----------|----------------|-------|------|--------|----------|-----|-----|------------------------|--|-------|------------|----------|--------|--|
| PROG= 09 |         | 1-time(s)      |           |                |       |      |        |          |     |     |                        |  |       |            |          |        |  |
| ┌        | Subr= 1 |                | 1-time(s) |                |       |      | 2.0sec |          |     |     |                        |  |       |            |          |        |  |
|          | ┌       | Seqn= 23       |           | 1-time(s)      |       |      |        | 2.0sec   |     |     |                        |  |       |            |          |        |  |
|          |         | Open/G-band    |           | Open/G-band    | open  | Safe | Norm   | 1ms      | Obs | 1x1 | 2048x2048 (1024, 1024) |  | Q=90  | 0          | 0        | 2.0sec |  |
|          |         | Open/G-band    |           | Open/G-band    | close | Safe | Norm   | 1ms      | Obs | 1x1 | 2048x2048 (1024, 1024) |  | Q=95  | 0          | 0        | 2.0sec |  |
|          | ┌       | Subr= 2        |           | 15-time(s)     |       |      |        | 480.0sec |     |     |                        |  |       |            |          |        |  |
| ┌        |         | Seqn= 70       |           | 1-time(s)      |       |      |        | 2.0sec   |     |     |                        |  |       |            |          |        |  |
|          |         | Al-poly/Open   |           | med-Be/Open    | close | Safe | Norm   | 1.41s    | Obs | 2x2 | 1024x1024 (1536, 1536) |  | Q=95  | 0          | 0        | 2.0sec |  |
|          |         | Default Filter |           | Thicker Filter | VLS   | mode | image  | Exp.     | CCD | Bin | ROI: size (center)     |  | Comp. | AEC Buffer | Interval |        |  |

**XOB #1D29: HOP349 - 3-filter Synoptics (Al-mesh[8/181/2897], Al-poly[16/181/4096], thin-Be[64/1024/11571] with 512x512 G-band+Leak(1064,1048) - 45 min**

| Term                            | Pointing (x, y) |                  |       |           |         | Comment |     |                    |                        |       |            |          |        |
|---------------------------------|-----------------|------------------|-------|-----------|---------|---------|-----|--------------------|------------------------|-------|------------|----------|--------|
| 10/11 04:53:00 - 10/11 05:27:00 | Fixed (         |                  | 0.0,  | 0.0)      | HOP 349 |         |     |                    |                        |       |            |          |        |
| PROG= 17 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                | 1024x1024 (512, 1536)  | Q=90  | 0          | 0        | 2.0sec |
| Open/G-band                     |                 | Open/G-band      | close | Safe      | Norm    | 1ms     | Obs | 1x1                | 1024x1024 (512, 1536)  | Q=95  | 0          | 0        | 2.0sec |
| Subr= 2                         |                 | 6-time(s)        |       | 1200.0sec |         |         |     |                    |                        |       |            |          |        |
| 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 #1BBA: 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             |                      |  |       |            |          |        |
|---------------------------------|--|----------------|-----------------------------------------|----------|-------|-------|-----|---------------------|----------------------|--|-------|------------|----------|--------|
| 10/11 06:18:00 - 10/11 11:13:05 |  |                | Track ( 425.5, -292.4) @ 10/11 06:15:00 |          |       |       |     | AR tracking (cont.) |                      |  |       |            |          |        |
| PROG= 20 Inf.-time(s)           |  |                |                                         |          |       |       |     |                     |                      |  |       |            |          |        |
| Subr= 1                         |  | 1-time(s)      |                                         | 2.0sec   |       |       |     |                     |                      |  |       |            |          |        |
| Seqn= 92                        |  | 1-time(s)      |                                         | 2.0sec   |       |       |     |                     |                      |  |       |            |          |        |
| Open/G-band                     |  | Open/G-band    | open                                    | Safe     | Norm  | 1ms   | Obs | 1x1                 | 384x384 (1064, 1048) |  | DPCM  | 0          | 0        | 2.0sec |
| Open/G-band                     |  | Open/G-band    | close                                   | Safe     | Norm  | 1ms   | Obs | 1x1                 | 384x384 (1064, 1048) |  | DPCM  | 0          | 0        | 2.0sec |
| Open/Ti-poly                    |  | Open/thick-Al  | close                                   | Safe     | Dark  | 16.0s | Obs | 1x1                 | 384x384 (1064, 1048) |  | Q=98  | 0          | 0        | 2.0sec |
| Subr= 2                         |  | 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)      |                                         | 120.0sec |       |       |     |                     |                      |  |       |            |          |        |
| 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) + G**

| Term                            | Pointing (x, y)                         |               |                  |         |      |      |       | Comment             |     |                      |      |   |   |        |
|---------------------------------|-----------------------------------------|---------------|------------------|---------|------|------|-------|---------------------|-----|----------------------|------|---|---|--------|
| 10/11 04:53:00 - 10/11 05:27:00 | Fixed ( 0.0, 0.0)                       |               |                  |         |      |      |       | HOP 349             |     |                      |      |   |   |        |
| 10/11 06:18:00 - 10/11 11:13:05 | Track ( 425.5, -292.4) @ 10/11 06:15:00 |               |                  |         |      |      |       | AR tracking (cont.) |     |                      |      |   |   |        |
| PROG= 14 30-time(s)             |                                         |               |                  |         |      |      |       |                     |     |                      |      |   |   |        |
| Subr= 1                         |                                         | 1-time(s)     |                  | 2.0sec  |      |      |       |                     |     |                      |      |   |   |        |
| └ Seqn= 68                      |                                         | 1-time(s)     |                  | 2.0sec  |      |      |       |                     |     |                      |      |   |   |        |
|                                 |                                         | Open/G-band   | Open/G-band      | open    | Safe | Norm | 1ms   | Obs                 | 1x1 | 384x384 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Subr= 2                         |                                         | 20-time(s)    |                  | 2.0sec  |      |      |       |                     |     |                      |      |   |   |        |
| └ Seqn= 11                      |                                         | 1-time(s)     |                  | 2.0sec  |      |      |       |                     |     |                      |      |   |   |        |
|                                 |                                         | Al-poly/Open  | Al-poly/thick-Al | close   | Safe | Norm | 125ms | Obs                 | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
| └ Seqn= 73                      |                                         | 1-time(s)     |                  | 10.0sec |      |      |       |                     |     |                      |      |   |   |        |
|                                 |                                         | thin-Be/Open  | med-Be/Open      | close   | Safe | Norm | 125ms | Obs                 | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |
|                                 |                                         | med-Be/Open   | Open/thick-Al    | close   | Safe | Norm | 250ms | Obs                 | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |
|                                 |                                         | Open/thick-Be | Open/thick-Be    | close   | Safe | Norm | 2.00s | Obs                 | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |
| Subr= 3                         |                                         | 1-time(s)     |                  | 2.0sec  |      |      |       |                     |     |                      |      |   |   |        |
| └ Seqn= 10                      |                                         | 1-time(s)     |                  | 2.0sec  |      |      |       |                     |     |                      |      |   |   |        |
|                                 |                                         | med-Al/Open   | med-Al/thick-Al  | close   | Safe | Norm | 500ms | Obs                 | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |

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

\* \* \* \* \*

### Active Region Search

\* \* \* \* \*

NOT USED

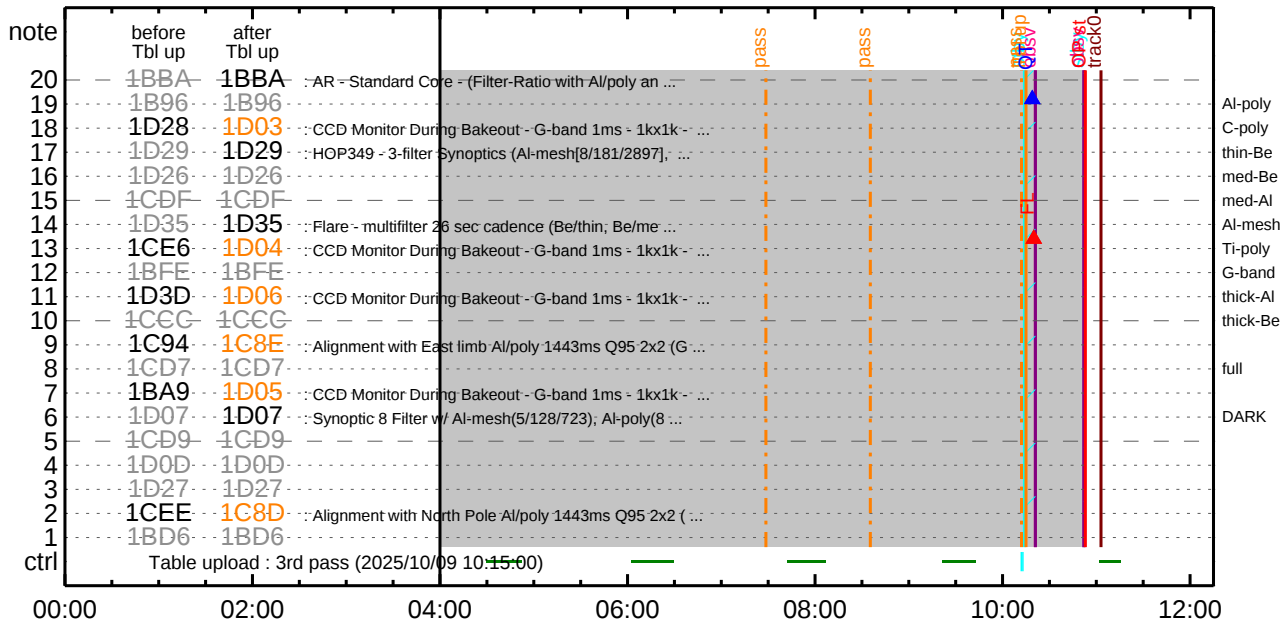
\* \* \* \* \*

### Flare Detection

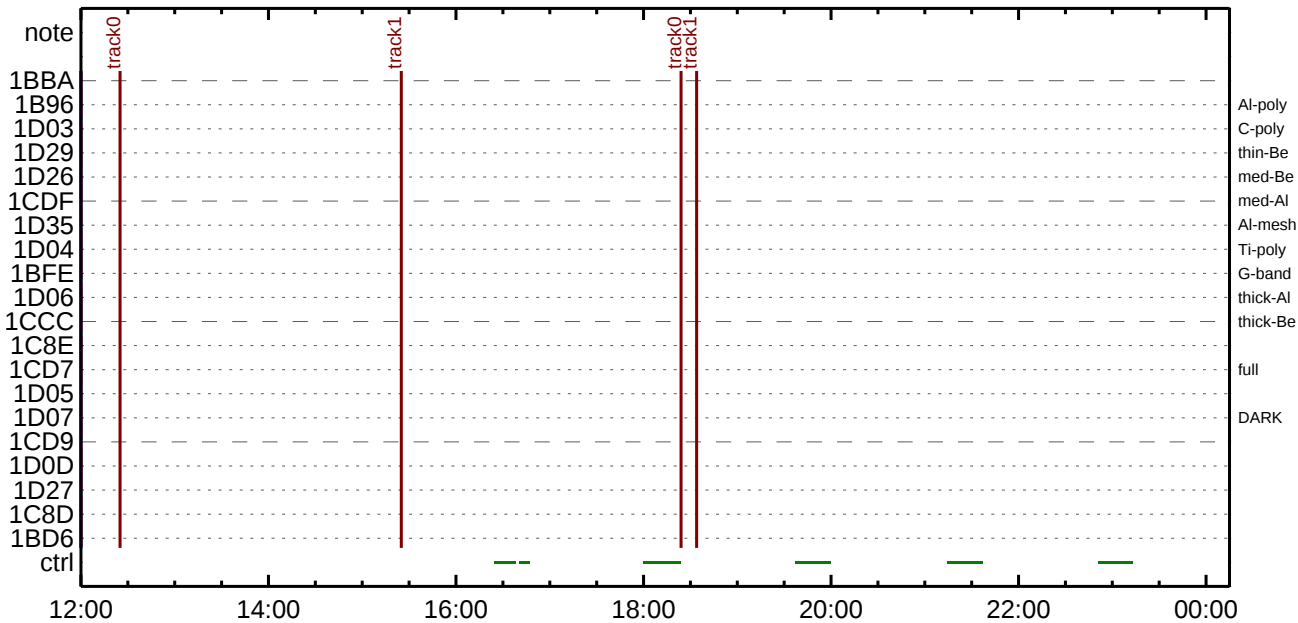
\* \* \* \* \*

| FLD Patrol                      |                |       |                                         |       |      |     |     |                     |       |            |          |  |
|---------------------------------|----------------|-------|-----------------------------------------|-------|------|-----|-----|---------------------|-------|------------|----------|--|
| Term                            |                |       | Pointing (x, y)                         |       |      |     |     | Comment             |       |            |          |  |
| 10/09 10:16:00 - 10/11 00:02:56 |                |       | cannot be identified                    |       |      |     |     |                     |       |            |          |  |
| 10/11 04:50:18 - 10/11 06:05:18 |                |       | Fixed ( 0.0, 0.0)                       |       |      |     |     | HOP 349             |       |            |          |  |
| 10/11 06:15:18 - 10/14 11:07:00 |                |       | Track ( 425.5, -292.4) @ 10/11 06:15:00 |       |      |     |     | AR tracking (cont.) |       |            |          |  |
| Al-poly/Open                    | Al-poly/Open   | close | Safe                                    | Norm  | 4ms  | Obs | 8x8 | Q=50                |       |            | 30sec    |  |
| Default Filter                  | Thicker Filter | VLS   | mode                                    | image | Exp. | CCD | Bin | ROI: size (center)  | Comp. | AEC Buffer | Interval |  |

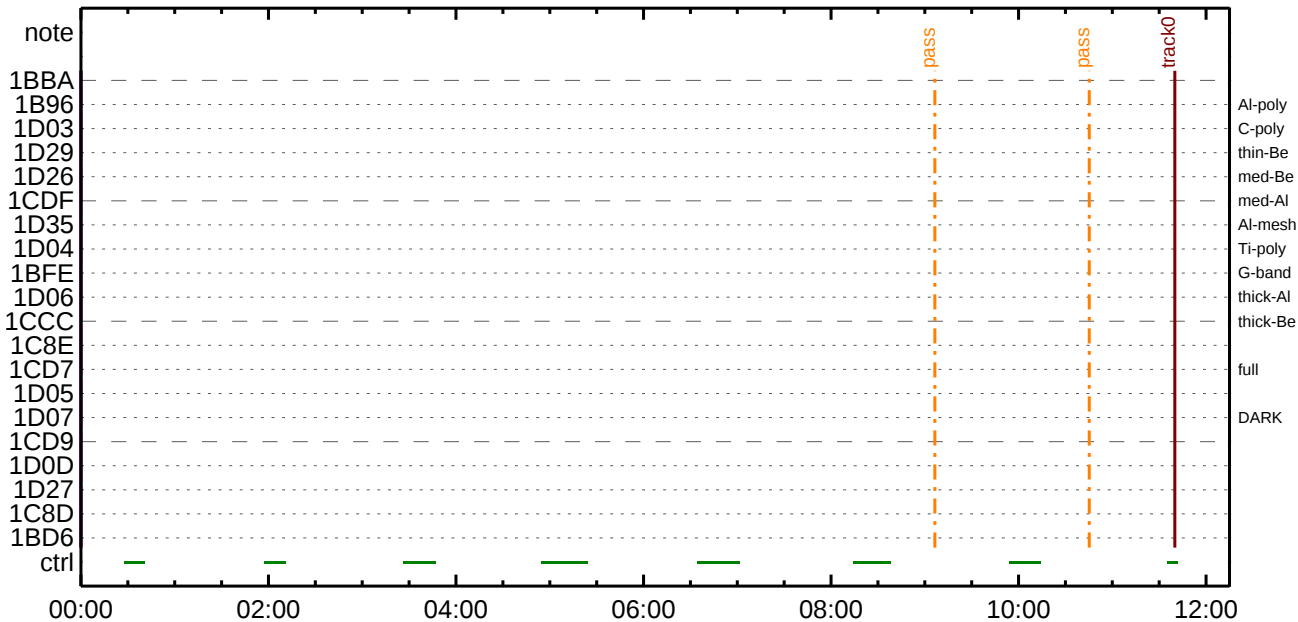
# CMDI #0891 2025/10/09



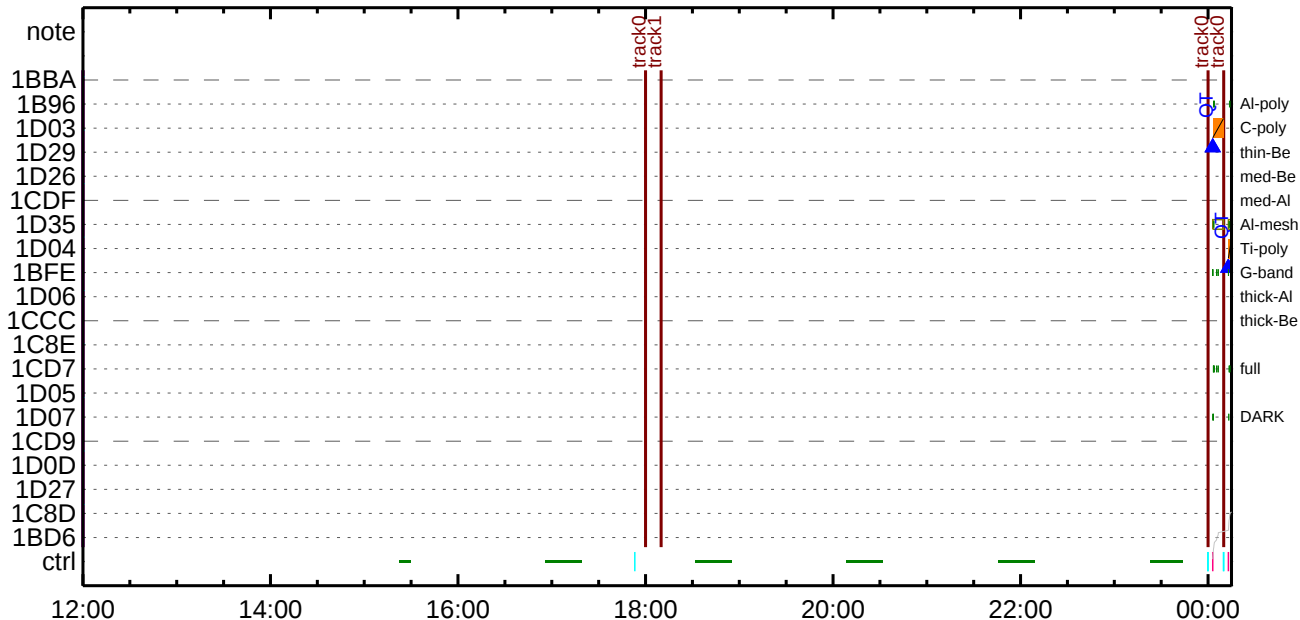
# CMDI #0891 2025/10/09



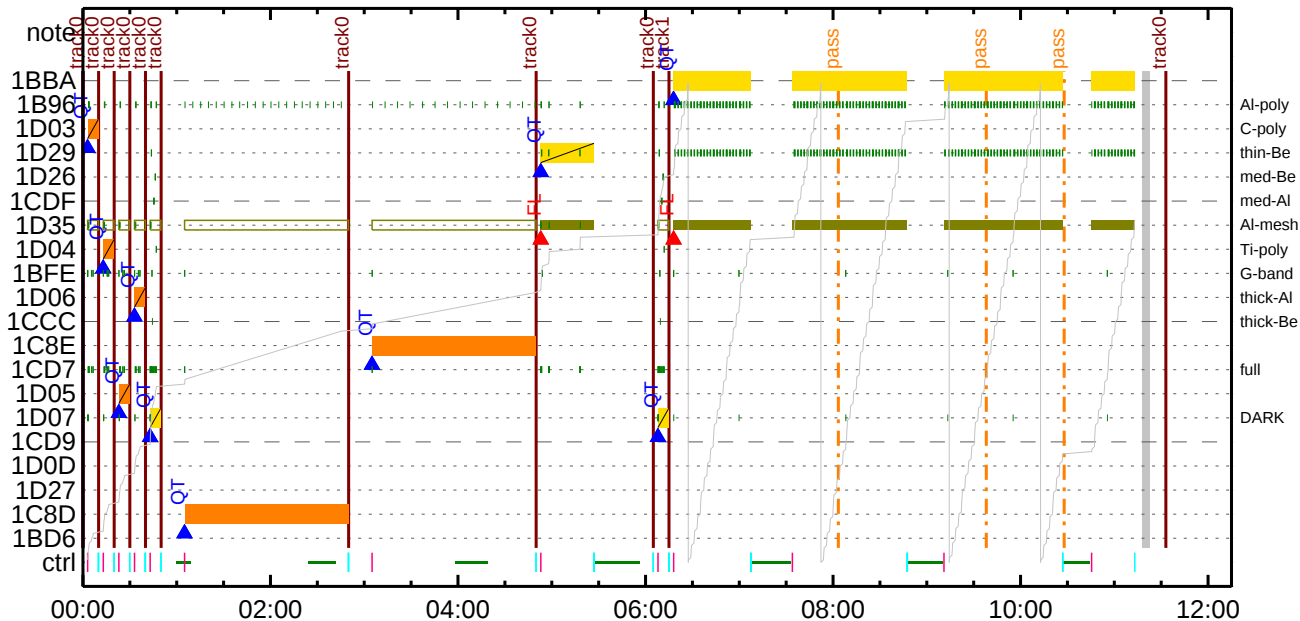
# CMDI #0891 2025/10/10



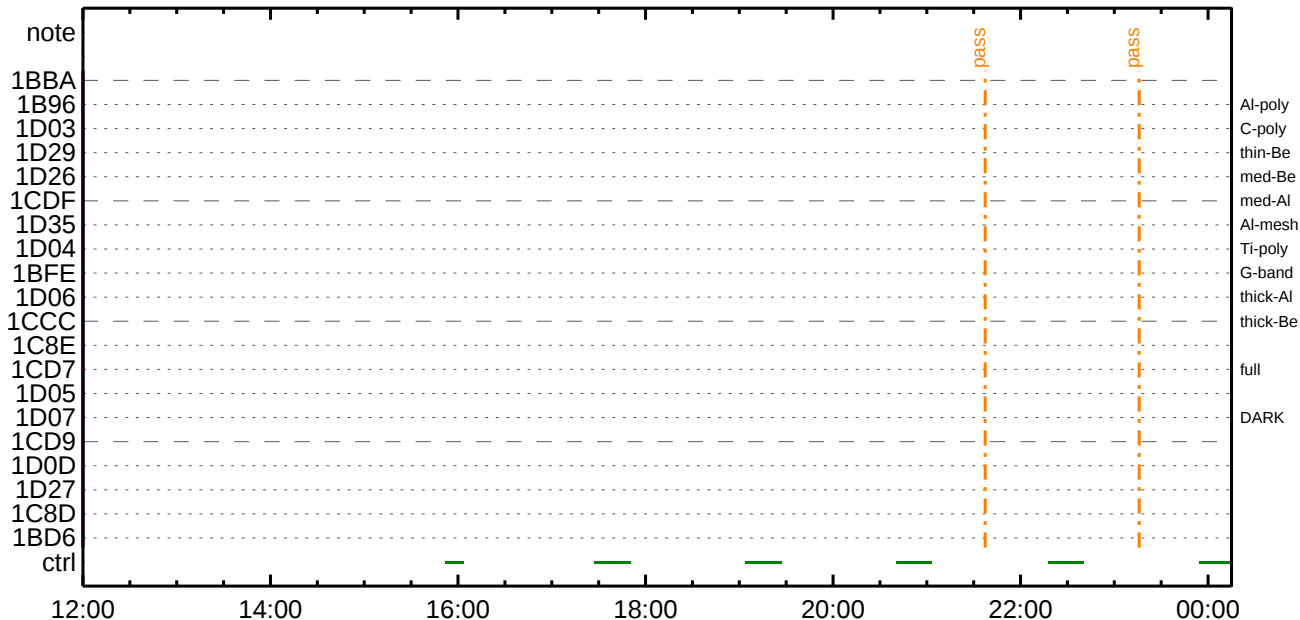
# CMDI #0891 2025/10/10



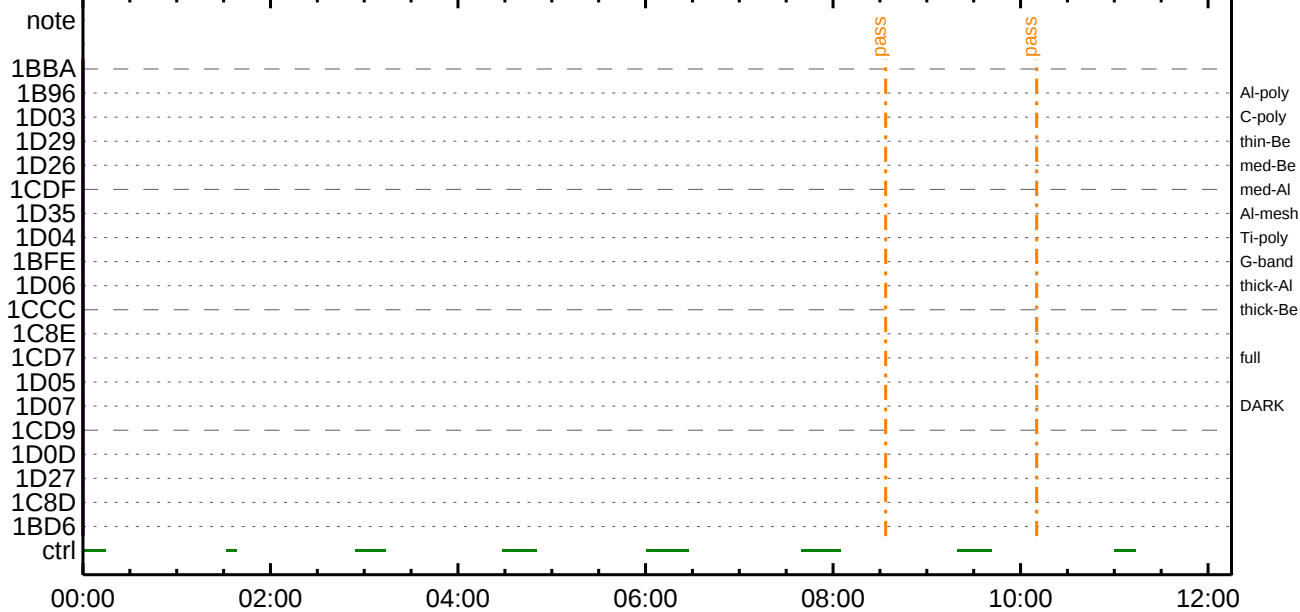
# CMDI #0891 2025/10/11



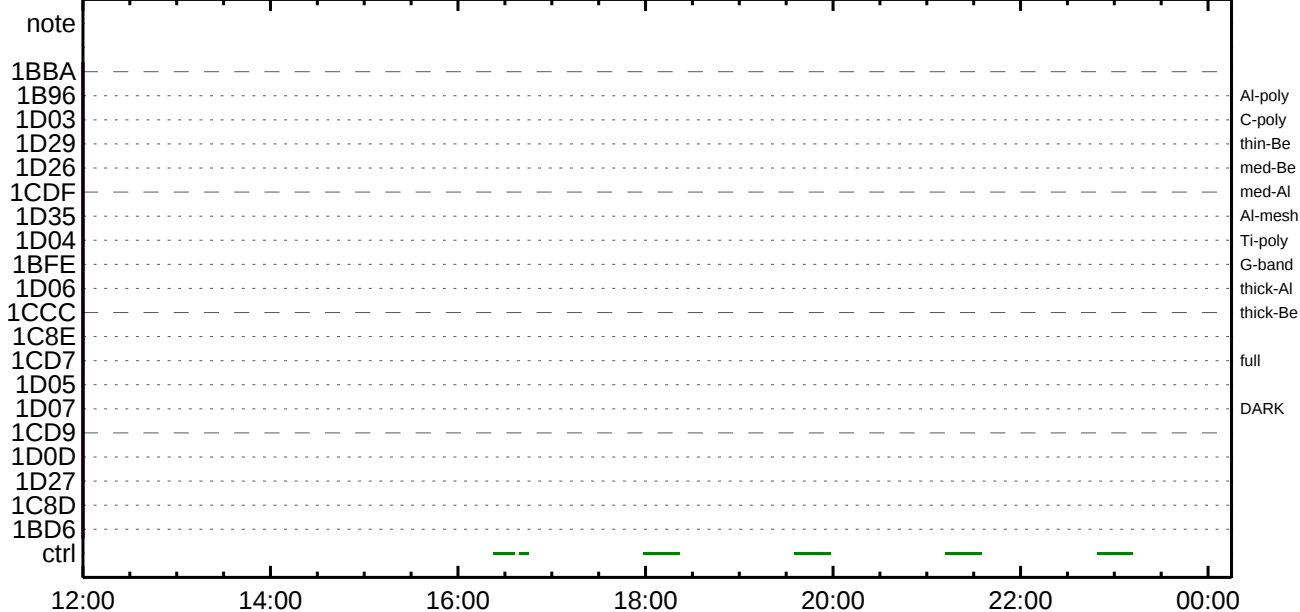
# CMDI #0891 2025/10/11



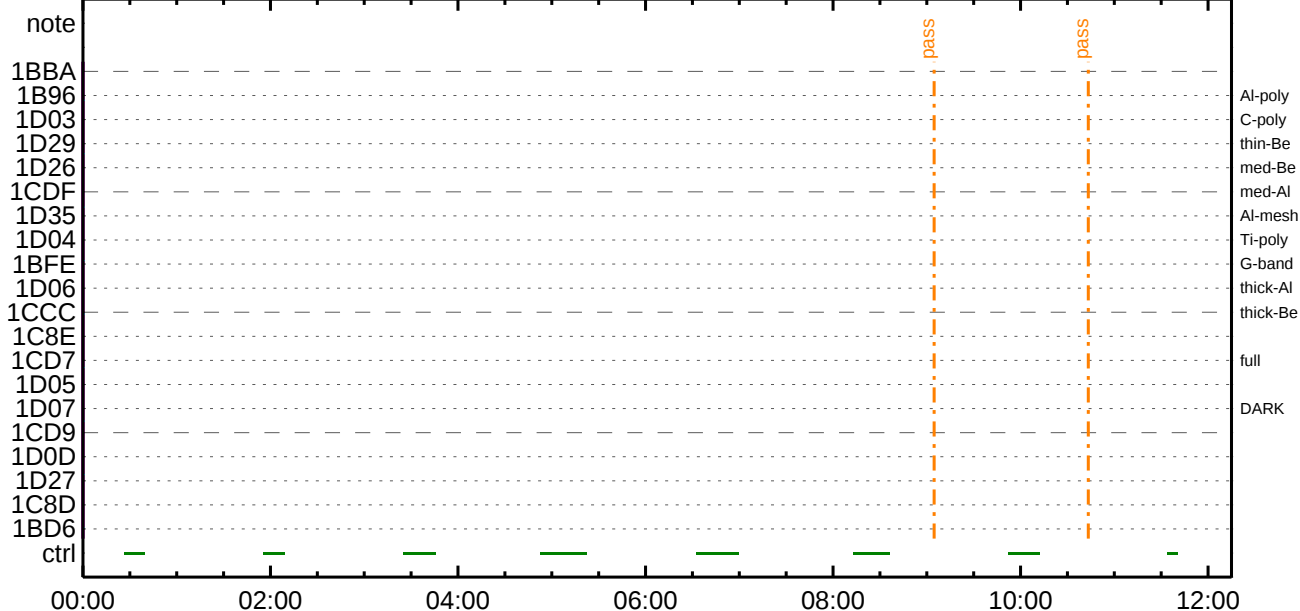
# CMDI #0891 2025/10/12



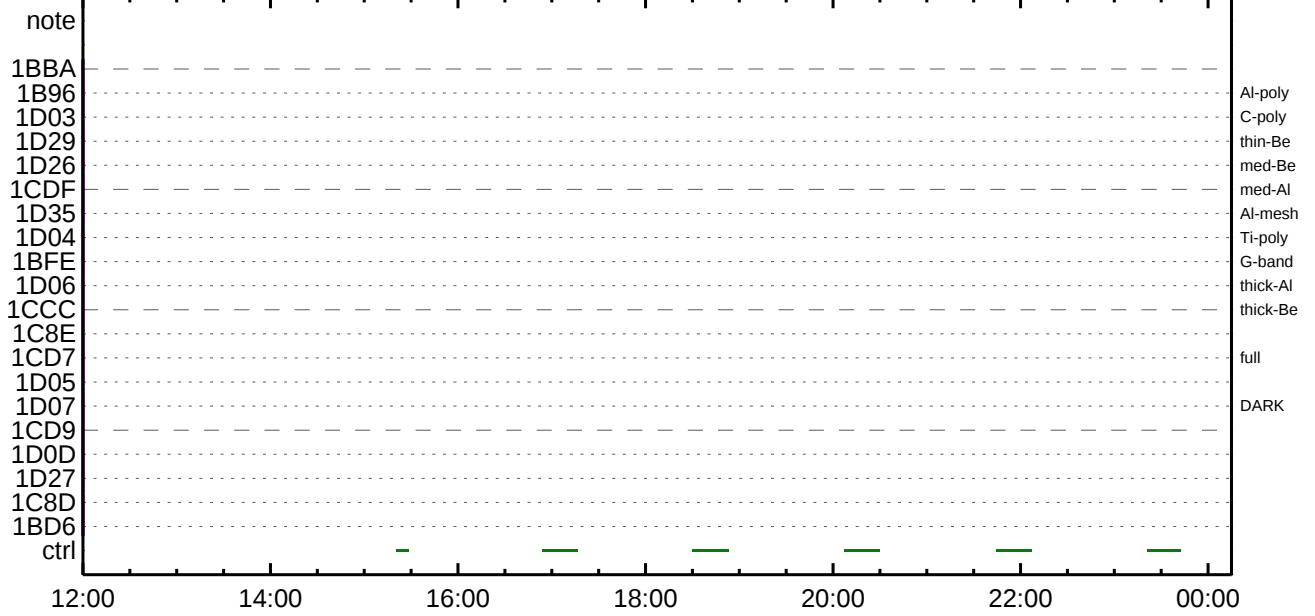
# CMDI #0891 2025/10/12



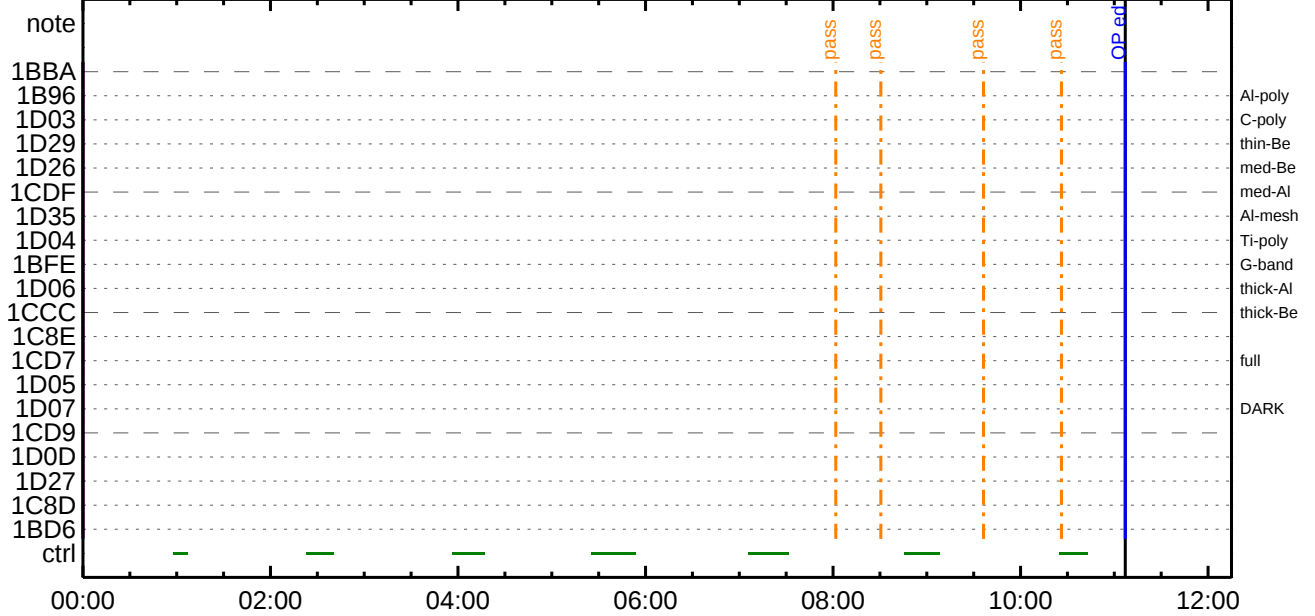
# CMDI #0891 2025/10/13



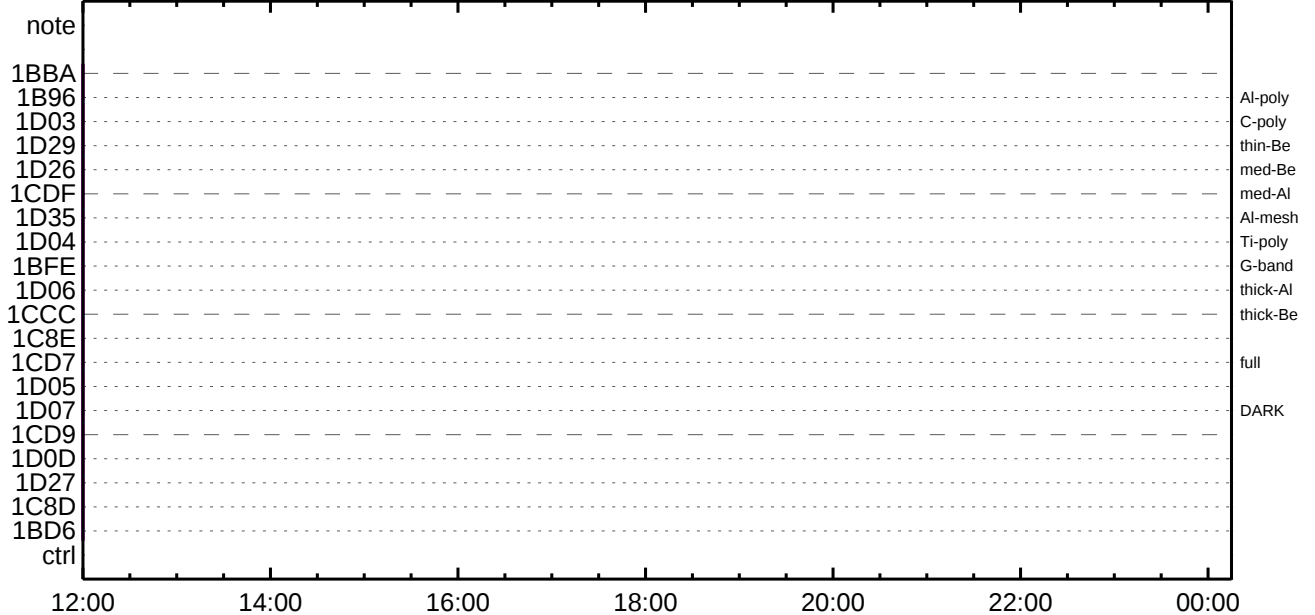
# CMDI #0891 2025/10/13



# CMDI #0891 2025/10/14



# CMDI #0891 2025/10/14



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main-564 2025-10-09 11:32:33 194 33 SOLAR-B MAIN //
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0095 . C. NOTICE ;\$ OPOG UPLOAD¤¬Á÷¿®NG¤Î¾¼¹Ç;ç°Ê²¼¤ÎTI-CMDÁ÷¿®¤Î¼Â¹Ô¤•¤¤¤¤³¤È;£

|      |    |                                                               |    |           |
|------|----|---------------------------------------------------------------|----|-----------|
| 0096 | C. | SET EDUMP I±°iYNY¹QÇ¹Ô±;³±E;f                                 |    |           |
| 0097 | C. |                                                               |    |           |
| 0098 | C. | TIY³YDYOYÉ±òÄDİ; (UT)                                         |    |           |
| 0099 | +  | TI 2025-10-09 10:48:00.0                                      |    |           |
| 0100 | DC | 01-B3 DHU_OP_STOP                                             |    |           |
| 0101 | C. | ÇÇ [HK1_TI_CMD_NUM]                                           | EQ | 1COUNTUP  |
| 0102 | C. |                                                               |    |           |
| 0103 | +  | TI 2025-10-09 10:48:01.0                                      |    |           |
| 0104 | DC | 01-B4 DHU_OP_COPY                                             |    |           |
| 0105 | C. | ÇÇ [HK1_TI_CMD_NUM]                                           | EQ | 1COUNTUP  |
| 0106 | C. |                                                               |    |           |
| 0107 | +  | TI 2025-10-09 10:48:01.0                                      |    |           |
| 0108 | DC | 01-B5 DHU_OPOG_COPY                                           |    |           |
| 0109 | C. | ÇÇ [HK1_TI_CMD_NUM]                                           | EQ | 1COUNTUP  |
| 0110 | C. |                                                               |    |           |
| 0111 | +  | TI 2025-10-09 10:52:59.5                                      |    |           |
| 0112 | DC | 01-B2 DHU_OP_START                                            |    |           |
| 0113 | C. | ÇÇ [HK1_TI_CMD_NUM]                                           | EQ | 1COUNTUP  |
| 0114 | C. |                                                               |    |           |
| 0115 | C. | °Ê²¼±İÄè¼İİÑ±İYÄY\$YÄY¹¹äiÜ                                   |    |           |
| 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. | TIİİ°èYÄYóY×                                                  |    |           |
| 0123 | C. | *****                                                         |    |           |
| 0124 | C. |                                                               |    |           |
| 0125 | C. | TI_TBL (0x03AB00-0x03AEFF;S 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. | YÄYóY×½¹İ»±ò³İÇ\$                                             |    |           |
| 0142 | C. | ÇÇ [HK1_DMP_CHK_FLG]                                          | EQ | NON       |
| 0143 | C. |                                                               |    |           |
| 0144 | C. | RAM ID=TI_TBL±İ¼È¹Ç•è²İOK±ò³İÇ\$                              |    |           |
| 0145 | C. |                                                               |    |           |
| 0146 | C. | DHUYâ;¼YÉ;Ê¼Y½,Yİ;¼YÈ;Ë±òİá±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 2025-10-09 10:52:30.0                                      |    |           |
| 0161 | DC | 07-FC EIS_MODE_MANU                                           |    |           |
| 0162 | BC | (21 02)                                                       |    |           |
| 0163 | +  | TI 2025-10-09 10:52:40.0                                      |    |           |
| 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 2025-10-09 10:52:00.0                                      |    |           |
| 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 'GÄİ±İ»ö¼Y±ÈÄD±¹±èDCBC•×²è *****                    |    |           |
| 0181 | C. | (¼Ä°İYÓYÄYÈYDYEYÄYÇYè±È½¼±¼Ä»Ü±¹±è)                           |    |           |
| 0182 | S. | DC-BC dcbc-402:DCBC                                           |    |           |
| 0183 |    | (MDP_known_event)                                             |    |           |
| 0184 | C. |                                                               |    |           |
| 0185 | C. |                                                               |    |           |
| 0186 | C. | ***** YDY¹•İ Daily±İİÑ±È'Ø±¹±èDCBC•×²è *****                  |    |           |
| 0187 | S. | DC-BC dcbc-153:DCBC                                           |    |           |
| 0188 |    | (SPECIAL-CMD_DAILY_OPERATIN_DCB)                              |    |           |
| 0189 | C. |                                                               |    |           |
| 0190 | C. |                                                               |    |           |
| 0191 | C. | İäLOSYÄY\$YÄY¹¹Ä»Ü;ä                                          |    |           |



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main-565 2025-10-09 11:22:33 169 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSŲÁŲ$ŲÃŲ~¼Ä»Ü;ä
0005 C.
0006 C. ŲÄŲß;¼Ų³ŲÐŲóŲÉÄ÷ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Äí;ËñçðÀñ•µ°E»Í×ÅÇñÎŲçŲÃŲ×Ųí;¼ŲÉ;ËËè²µ•íîÊ;ËÈ¼°ÇÔñ•ñç¼¹¹Çñİ;çÀ®,ùñ¹ñèñÐñÇÄ÷ç®ñ•ñÈñññ³ñÈ;£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÄ÷ç®µ;ON
0016 C. *****
0017 C. °EA, Í×ÈÝñäLOSñÐñÇñÎ»p'Òòò¹íî,ñ•;çÉÔÍ×ñÈXÄÓONñİ¹ÔñÈñíñÈñññ³ñÈ;£
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 + DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 + DC 03-95 TCIA_XMOD_QPSK
0024 C. çç[HK1_XPA_ON/OFF] EQ ON
0025 C. çç[HK1_XPA_PWR_HI/LO] EQ HI
0026 C. çç[HK1_XMOD_ON/OFF] EQ ON
0027 C. çç[HK1_XMOD_QPSK/PM] EQ QPSK
0028 C.
0029 . C. XŲÐŲóŲÉŲíŲÃŲ~¾ÔÄÖñ¬°ÄÄêñ•ñç,ç°Ê²¼ñî°EA,¼ê½Çñò¼Ä¹Ôñ¹ñè;£
0030 C.
0031 . C. *****
0032 C. DR PT1 Äî¼í°EA,
0033 C. *****
0034 C. ° RESTART;ÊPT1;Ëñ•ñç¼ñ¼¹¹Çñİ;ç°Ê²¼ñî¼Ä¹Ôñññ°;çDCBC-150ñØçÊñà;£
0035 C.
0036 . C. ;ãPT1°EA,³«»î;ä
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 + DC 06-C8 DR_PT1_REP_SEL
0039 BC (01 00)
0040 + DC 06-B3 DR_REP_START
0041 + DC 01-32 DHU_X_VC4_ON
0042 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹Ô,;¼Ü)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ô,;¼Ü)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ô,;¼Ü)
0045 C.
0046 . C. ;ãŲçŲóŲEŲËÊÄÚÂØ;ÊÄ•Ä°²òÈò;Ë,ãñî°EA,°E³«;ä
0047 +. DC 06-B3 DR_REP_START
0048 + DC 01-32 DHU_X_VC4_ON
0049 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹Ô,;¼Ü)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ô,;¼Ü)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ô,;¼Ü)
0052 C.
0053 C.
0054 . C. PT1°EA,ñ¬¼«E°Ää»ßñ•ñç,ä;ç°Ê²¼ñò¼Ä¹Ôñ¹ñè;£
0055 C. ŲçŲóŲEŲËÊÄÚÂØñäÄ•Ä°²òÈòñ¬¼áñ¼¹¹Çñİ'°î»ñ¹ñèñÐñÇÄÔñÄ;£
0056 C.
0057 . C. *****
0058 C. DR PT2 Äî¼í°EA,
0059 C. *****
0060 C. ° RESTART;ÊPT2;Ëñ•ñç¼ñ¼¹¹Çñİ;ç°Ê²¼ñî¼Ä¹Ôñññ°;çDCBC-151ñØçÊñà;£
0061 C.
0062 . C. ;ãPT2°EA,³«»î;ä
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 + DC 06-C8 DR_PT2_REP_SEL
0065 BC (02 00)
0066 + DC 06-B3 DR_REP_START
0067 + DC 01-32 DHU_X_VC4_ON
0068 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹Ô,;¼Ü)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ô,;¼Ü)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ô,;¼Ü)
0071 C.
0072 . C. ;ãŲçŲóŲEŲËÊÄÚÂØ;ÊÄ•Ä°²òÈò;Ë,ãñî°EA,°E³«;ä
0073 +. DC 06-B3 DR_REP_START
0074 + DC 01-32 DHU_X_VC4_ON
0075 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹Ô,;¼Ü)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ô,;¼Ü)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ô,;¼Ü)
0078 C.
0079 . C. *****
0080 C. DR°EA,Ää»ß;çXÄ÷ç®µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°EA,Ää»ß;ä
0084 +. DC 06-B4 DR_REP_STOP
0085 + DC 01-29 DHU_S/X_VC4_OFF
0086 C. çç[HK1_REP_STA/STP] EQ STOP
0087 C. çç[HK1_S_VC4_ON/OFF] EQ OFF
0088 C. çç[HK1_X_VC4_ON/OFF] EQ OFF
0089 C.
0090 . C. ;ãXÄ÷ç®µ;OFF;ä
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 + DC 03-B5 TCIA_XPA_OFF
0094 C. çç[HK1_XMOD_ON/OFF] EQ OFF
0095 C. çç[HK1 XPA ON/OFF] EO OFF
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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 18s
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 2025-10-09 10:52:50.0
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 'ûÄîñî»ö¼YñÄññ¹ñèDCBC•×²è *****
0156 C. (¼â°îYÖYÄYÉP¥YÉYÄYÇYéñÉ½¼ñ¼Ä»Üñ¹ñè)
0157 . S. DC-BC dcbc-402:DCBC
0158 (MDP_known_event)
0159 C.
0160 C.
0161 . C. ***** ¥Ð¥¹•Ï Daily±;îññÈ'Øñ¹ñèDCBC•×²è *****
0162 . S. DC-BC dcbc-153:DCBC
0163 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0164 C.
0165 C.
0166 . C. ;äLOS¥Á¥$¥Ä¥~¼Ä»Ü;ä
0167 C.
0168 . C. ***** LOS *****
0169 C.

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0096 C.
0097 C.
0098 C.
0099 C. ***** XRT START *****
0100 C.
0101 +. DC 07-F0 MDP_XRT_CTRL_MANU
0102 BC (c1)
0103 +. DC 07-F0 MDP_XRT_CTRL_MANU
0104 BC (c1)
0105 + DC 07-F0 MDP_XRT_MODE_STBY
0106 BC (c3)
0107 . C. ----- Success Verify ? OK / NG____
0108 C.
0109 C. XRT Obs. Table Upload
0110 . S. RAM ram-291:MDP_OBS_X
0111 ()
0112 C.
0113 +. DC 07-F0 MDP_DUMP_XRTTBL
0114 BC (84 07 00 00 00 3a d4)
0115 . C. ----- Comparison Check ? OK / ERR ____
0116 C.
0117 C.
0118 +. DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 01 b1 b1 04 04)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 02 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 03 b1 b1 08 08)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 04 b1 b1 06 06)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 05 85 83 06 06)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 06 85 83 06 06)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 07 c0 c0 10 10)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 08 80 80 20 20)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 09 40 c0 10 10)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 0a 40 40 10 10)
0138 + DC 07-F0 MDP_XRT_ROI_SET
0139 BC (cd 0b c0 40 10 10)
0140 + DC 07-F0 MDP_XRT_ROI_SET
0141 BC (cd 0c 80 80 20 08)
0142 + DC 07-F0 MDP_XRT_ROI_SET
0143 BC (cd 0d 80 80 08 20)
0144 + DC 07-F0 MDP_XRT_ROI_SET
0145 BC (cd 0e 80 60 20 18)
0146 + DC 07-F0 MDP_XRT_ROI_SET
0147 BC (cd 0f 80 80 06 06)
0148 + DC 07-F0 MDP_XRT_ROI_SET
0149 BC (cd 10 80 80 08 08)
0150 + DC 07-F0 MDP_XRT_FLD_ENA
0151 BC (d8)
0152 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0153 BC (c8)
0154 + DC 07-F0 MDP_XRT_ARS_DIS
0155 BC (d5)
0156 + DC 07-F0 MDP_XRT_AEC_RESET
0157 BC (d0)
0158 + DC 07-F0 MDP_XRT_FLD_RESET
0159 BC (da)
0160 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0161 BC (c4 14)
0162 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0163 BC (c5 0e)
0164 . C. ----- Success Verify ? OK / NG ____
0165 C.
0166 C.
0167 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0168 C.
0169 +. DC 07-F0 MDP_XRT_MODE_OBSV
0170 BC (c2)
0171 +. TI 2025-10-09 10:52:02.0
0172 DC 07-F0 MDP_XRT_MODE_OBSV
0173 BC (c2)
0174 . C. ----- Success Verify ? OK / NG ____
0175 C.
0176 C. ***** XRT END *****
0177 C.
0178 . C. ***** MDP `ûÃîñÎ»ö¼ÝñÊÃÐñ¹ñèDCBC•×²è *****
0179 C. (¾å°î¥Ó¥Ã¥Ê¥Ð¥Ë¥â¥ç¥èñÊ½¾ññ¼Ã»Ûñ¹ñè)
0180 . S. DC-BC dcbbc-402:DCBC
0181 (MDP_known_event)
0182 C.
0183 C.
0184 . C. ***** ¥Ð¥¹•Ï Daily±;îÑñÊ'Øñ¹ñèDCBC•×²è *****
0185 . S. DC-BC dcbbc-153:DCBC
0186 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0187 C.
0188 C.
0189 . C. ;ãLOS¥Á¥$¥Ã¥¹¼Ã»Û;ã
0190 C.
0191 . C. ***** LOS *****
0192 C.
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\*\*\* OP Sequence for XRT \*\*\*

|            |            |                                         |   |       |    |    |    |    |    |
|------------|------------|-----------------------------------------|---|-------|----|----|----|----|----|
| 2025/10/09 | 11:03:00.0 | AOCS_ORe-point_Start_1_OG [0x097]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 29 | db | 48 | 72 |
| 2025/10/09 | 12:25:00.0 | AOCS_ORe-point_Start_2_OG [0x098]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | b3 | bf | 01 | f3 |
| 2025/10/09 | 15:25:00.0 | AOCS_ORe-point_Start_3_OG [0x099]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 01 | 03 | be | 01 | f3 |
| 2025/10/09 | 18:24:00.0 | AOCS_ORe-point_Start_4_OG [0x09a]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2025/10/09 | 18:34:00.0 | AOCS_ORe-point_Start_3_OG [0x099]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 01 | 03 | be | 01 | f3 |
| 2025/10/10 | 11:40:00.0 | AOCS_ORe-point_Start_2_OG [0x098]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | b3 | bf | 01 | f3 |
| 2025/10/10 | 17:53:10.5 | XRT_CTRL_MANU_400_OG [0x190]            |   |       |    |    |    |    |    |
|            |            | MDP_XRT_CTRL_MANU                       | 1 | 07-F0 |    | c1 |    |    |    |
| 2025/10/10 | 17:53:12.5 | XRT_TCIB_XRT_S_HTR_A_DIS_445_OG [0x1bd] |   |       |    |    |    |    |    |
|            |            | TCIB_XRT_S_HTR_A_DIS                    | 0 | 04-C0 |    |    |    |    |    |
| 2025/10/10 | 18:00:00.0 | AOCS_ORe-point_Start_4_OG [0x09a]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2025/10/10 | 18:10:00.0 | AOCS_ORe-point_Start_3_OG [0x099]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 01 | 03 | be | 01 | f3 |
| 2025/10/10 | 23:59:54.0 | XRT_CTRL_MANU_402_OG [0x192]            |   |       |    |    |    |    |    |
|            |            | MDP_XRT_CTRL_MANU                       | 1 | 07-F0 |    | c1 |    |    |    |
| 2025/10/10 | 23:59:56.0 | XRT_CTRL_MANU_402_OG [0x192]            |   |       |    |    |    |    |    |
|            |            | MDP_XRT_CTRL_MANU                       | 1 | 07-F0 |    | c1 |    |    |    |
| 2025/10/10 | 23:59:58.0 | XRT_FOCUS_POSITION_442_OG [0x1ba]       |   |       |    |    |    |    |    |
|            |            | XRT_FOCUS_POSITION                      | 4 | 07-F8 | 22 | ff | aa | 00 |    |
| 2025/10/11 | 00:00:00.0 | AOCS_ORe-point_Start_5_OG [0x09b]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 2e | f9 | 2e | f9 |
| 2025/10/11 | 00:02:52.0 | XRT_ARS_DIS_427_OG [0x1ab]              |   |       |    |    |    |    |    |
|            |            | MDP_XRT_ARS_DIS                         | 1 | 07-F0 |    | d5 |    |    |    |
| 2025/10/11 | 00:02:54.0 | XRT_FLRCTRL_DIS_449_OG [0x1c1]          |   |       |    |    |    |    |    |
|            |            | MDP_XRT_FLRCTRL_DIS                     | 1 | 07-F0 |    | c9 |    |    |    |
| 2025/10/11 | 00:02:56.0 | XRT_FLD_DIS_432_OG [0x1b0]              |   |       |    |    |    |    |    |
|            |            | MDP_XRT_FLD_DIS                         | 1 | 07-F0 |    | d9 |    |    |    |
| 2025/10/11 | 00:02:58.0 | XRT_QT_PROG_SET_437_OG [0x1b5]          |   |       |    |    |    |    |    |
|            |            | MDP_XRT_QT_PROG_SET                     | 2 | 07-F0 | c4 | 12 |    |    |    |
| 2025/10/11 | 00:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198]            |   |       |    |    |    |    |    |
|            |            | MDP_XRT_CTRL_AUTO                       | 1 | 07-F0 |    | c0 |    |    |    |
| 2025/10/11 | 00:09:54.0 | XRT_CTRL_MANU_402_OG [0x192]            |   |       |    |    |    |    |    |
|            |            | MDP_XRT_CTRL_MANU                       | 1 | 07-F0 |    | c1 |    |    |    |
| 2025/10/11 | 00:09:56.0 | XRT_CTRL_MANU_402_OG [0x192]            |   |       |    |    |    |    |    |
|            |            | MDP_XRT_CTRL_MANU                       | 1 | 07-F0 |    | c1 |    |    |    |
| 2025/10/11 | 00:09:58.0 | XRT_FOCUS_POSITION_442_OG [0x1ba]       |   |       |    |    |    |    |    |
|            |            | XRT_FOCUS_POSITION                      | 4 | 07-F8 | 22 | ff | aa | 00 |    |
| 2025/10/11 | 00:10:00.0 | AOCS_ORe-point_Start_6_OG [0x09c]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 2e | f9 | d1 | 07 |
| 2025/10/11 | 00:12:52.0 | XRT_ARS_DIS_427_OG [0x1ab]              |   |       |    |    |    |    |    |
|            |            | MDP_XRT_ARS_DIS                         | 1 | 07-F0 |    | d5 |    |    |    |
| 2025/10/11 | 00:12:54.0 | XRT_FLRCTRL_DIS_449_OG [0x1c1]          |   |       |    |    |    |    |    |
|            |            | MDP_XRT_FLRCTRL_DIS                     | 1 | 07-F0 |    | c9 |    |    |    |
| 2025/10/11 | 00:12:56.0 | XRT_FLD_DIS_432_OG [0x1b0]              |   |       |    |    |    |    |    |
|            |            | MDP_XRT_FLD_DIS                         | 1 | 07-F0 |    | d9 |    |    |    |
| 2025/10/11 | 00:12:58.0 | XRT_QT_PROG_SET_443_OG [0x1bb]          |   |       |    |    |    |    |    |
|            |            | MDP_XRT_QT_PROG_SET                     | 2 | 07-F0 | c4 | 0d |    |    |    |
| 2025/10/11 | 00:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198]            |   |       |    |    |    |    |    |
|            |            | MDP_XRT_CTRL_AUTO                       | 1 | 07-F0 |    | c0 |    |    |    |
| 2025/10/11 | 00:19:54.0 | XRT_CTRL_MANU_402_OG [0x192]            |   |       |    |    |    |    |    |
|            |            | MDP_XRT_CTRL_MANU                       | 1 | 07-F0 |    | c1 |    |    |    |
| 2025/10/11 | 00:19:56.0 | XRT_CTRL_MANU_402_OG [0x192]            |   |       |    |    |    |    |    |
|            |            | MDP_XRT_CTRL_MANU                       | 1 | 07-F0 |    | c1 |    |    |    |
| 2025/10/11 | 00:19:58.0 | XRT_FOCUS_POSITION_442_OG [0x1ba]       |   |       |    |    |    |    |    |
|            |            | XRT_FOCUS_POSITION                      | 4 | 07-F8 | 22 | ff | aa | 00 |    |
| 2025/10/11 | 00:20:00.0 | AOCS_ORe-point_Start_7_OG [0x09d]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | d1 | 07 | d1 | 07 |
| 2025/10/11 | 00:22:52.0 | XRT_ARS_DIS_427_OG [0x1ab]              |   |       |    |    |    |    |    |
|            |            | MDP_XRT_ARS_DIS                         | 1 | 07-F0 |    | d5 |    |    |    |
| 2025/10/11 | 00:22:54.0 | XRT_FLRCTRL_DIS_449_OG [0x1c1]          |   |       |    |    |    |    |    |
|            |            | MDP_XRT_FLRCTRL_DIS                     | 1 | 07-F0 |    | c9 |    |    |    |
| 2025/10/11 | 00:22:56.0 | XRT_FLD_DIS_432_OG [0x1b0]              |   |       |    |    |    |    |    |
|            |            | MDP_XRT_FLD_DIS                         | 1 | 07-F0 |    | d9 |    |    |    |
| 2025/10/11 | 00:22:58.0 | XRT_QT_PROG_SET_428_OG [0x1ac]          |   |       |    |    |    |    |    |
|            |            | MDP_XRT_QT_PROG_SET                     | 2 | 07-F0 | c4 | 07 |    |    |    |
| 2025/10/11 | 00:23:00.0 | XRT_CTRL_AUTO_408_OG [0x198]            |   |       |    |    |    |    |    |
|            |            | MDP_XRT_CTRL_AUTO                       | 1 | 07-F0 |    | c0 |    |    |    |
| 2025/10/11 | 00:29:54.0 | XRT_CTRL_MANU_402_OG [0x192]            |   |       |    |    |    |    |    |
|            |            | MDP_XRT_CTRL_MANU                       | 1 | 07-F0 |    | c1 |    |    |    |
| 2025/10/11 | 00:29:56.0 | XRT_CTRL_MANU_402_OG [0x192]            |   |       |    |    |    |    |    |
|            |            | MDP_XRT_CTRL_MANU                       | 1 | 07-F0 |    | c1 |    |    |    |
| 2025/10/11 | 00:29:58.0 | XRT_FOCUS_POSITION_442_OG [0x1ba]       |   |       |    |    |    |    |    |
|            |            | XRT_FOCUS_POSITION                      | 4 | 07-F8 | 22 | ff | aa | 00 |    |
| 2025/10/11 | 00:30:00.0 | AOCS_ORe-point_Start_8_OG [0x09e]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | d1 | 07 | 2e | f9 |
| 2025/10/11 | 00:32:52.0 | XRT_ARS_DIS_427_OG [0x1ab]              |   |       |    |    |    |    |    |
|            |            | MDP_XRT_ARS_DIS                         | 1 | 07-F0 |    | d5 |    |    |    |
| 2025/10/11 | 00:32:54.0 | XRT_FLRCTRL_DIS_449_OG [0x1c1]          |   |       |    |    |    |    |    |
|            |            | MDP_XRT_FLRCTRL_DIS                     | 1 | 07-F0 |    | c9 |    |    |    |
| 2025/10/11 | 00:32:56.0 | XRT_FLD_DIS_432_OG [0x1b0]              |   |       |    |    |    |    |    |
|            |            | MDP_XRT_FLD_DIS                         | 1 | 07-F0 |    | d9 |    |    |    |
| 2025/10/11 | 00:32:58.0 | XRT_QT_PROG_SET_425_OG [0x1a9]          |   |       |    |    |    |    |    |
|            |            | MDP_XRT_QT_PROG_SET                     | 2 | 07-F0 | c4 | 0b |    |    |    |
| 2025/10/11 | 00:33:00.0 | XRT_CTRL_AUTO_408_OG [0x198]            |   |       |    |    |    |    |    |



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|            |            |                                   |   |       |                |  |  |  |  |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2025/10/11 | 05:27:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2025/10/11 | 05:27:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2025/10/11 | 05:27:06.0 | XRT_PREFLR_STRT_404_OG [0x194]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2025/10/11 | 05:30:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2025/10/11 | 06:04:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2025/10/11 | 06:04:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2025/10/11 | 06:04:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2025/10/11 | 06:05:00.0 | AOCS_Ore-point_Start_4_OG [0x09a] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2025/10/11 | 06:05:18.0 | XRT_FLD_DIS_409_OG [0x199]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9             |  |  |  |  |
| 2025/10/11 | 06:05:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9             |  |  |  |  |
| 2025/10/11 | 06:05:22.0 | XRT_ARS_DIS_435_OG [0x1b3]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2025/10/11 | 06:07:58.0 | XRT_QT_PROG_SET_429_OG [0x1ad]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 06          |  |  |  |  |
| 2025/10/11 | 06:08:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2025/10/11 | 06:14:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2025/10/11 | 06:14:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2025/10/11 | 06:14:58.0 | XRT_FOCUS_POSITION_414_OG [0x19e] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2025/10/11 | 06:15:00.0 | AOCS_Ore-point_Start_3_OG [0x099] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 01 03 be 01 f3 |  |  |  |  |
| 2025/10/11 | 06:15:18.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2025/10/11 | 06:15:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2025/10/11 | 06:15:22.0 | XRT_AEC_RESET_448_OG [0x1c0]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |  |
| 2025/10/11 | 06:15:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2025/10/11 | 06:15:26.0 | XRT_FLD_RESET_434_OG [0x1b2]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2025/10/11 | 06:17:56.0 | XRT_QT_PROG_SET_438_OG [0x1b6]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 14          |  |  |  |  |
| 2025/10/11 | 06:17:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 0e          |  |  |  |  |
| 2025/10/11 | 06:18:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2025/10/11 | 07:07:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2025/10/11 | 07:07:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2025/10/11 | 07:07:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2025/10/11 | 07:07:36.0 | XRT_PREFLR_STRT_404_OG [0x194]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2025/10/11 | 07:10:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2025/10/11 | 07:33:00.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2025/10/11 | 07:34:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2025/10/11 | 08:47:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2025/10/11 | 08:47:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2025/10/11 | 08:47:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2025/10/11 | 08:47:36.0 | XRT_PREFLR_STRT_404_OG [0x194]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2025/10/11 | 08:50:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2025/10/11 | 09:10:00.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2025/10/11 | 09:11:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2025/10/11 | 10:27:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2025/10/11 | 10:27:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2025/10/11 | 10:27:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2025/10/11 | 10:27:06.0 | XRT_PREFLR_STRT_404_OG [0x194]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2025/10/11 | 10:30:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2025/10/11 | 10:44:30.5 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2025/10/11 | 10:45:30.5 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2025/10/11 | 11:13:05.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2025/10/11 | 11:33:00.0 | AOCS_Ore-point_Start_4_OG [0x09a] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |