

XRT Timeline to be uploaded on 2024/03/12

Period: 2024/03/12 11:22:00 - 2024/03/16 10:55:00

* * * * *

Normal mode

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| XOB #1D0E: HOP 476 SOOP-Thin-Be(Med-Be), Med-Be(Al-Thick) AEC3, PFB-(Med-Be, Thick- Be 384x384 AEC3) | | | | | | | | | | | | |
|--|---|--------------------------------------|-------|------|-------|-------|---------|----------------------|-------|------------|----------|--------|
| Term | Pointing (x, y) | | | | | | | Comment | | | | |
| 03/12 11:40:30 - 03/12 13:59:54 | Track (795.2, -192.0) @ 03/12 11:32:00 | # OP start + 10min and AR 13599 obs. | | | | | | | | | | |
| PROG= 06 Inf.-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 92 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs 1x1 | 384x384 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| | Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs 1x1 | 384x384 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| | Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 16.0s | Obs 1x1 | 384x384 (1064, 1048) | Q=98 | 0 | 0 | 2.0sec |
| └─ Subr= 2 180-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 20 1-time(s) 2.0sec | | | | | | | | | | | | |
| | med-Be/Open | Open/thick-Al | close | Safe | Norm | 250ms | Obs 1x1 | 384x384 (1024, 1024) | DPCM | 3 | 2 | 2.0sec |
| | Open/thick-Be | Open/thick-Be | close | Safe | Norm | 125ms | Obs 1x1 | 384x384 (1024, 1024) | DPCM | 3 | 2 | 2.0sec |
| └─ Seqn= 60 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Open/thick-Be | Open/thick-Be | close | Safe | Norm | 125ms | Obs 1x1 | 384x384 (1024, 1024) | DPCM | 3 | 1 | 2.0sec |
| | med-Be/Open | Open/thick-Al | close | Safe | Norm | 250ms | Obs 1x1 | 384x384 (1024, 1024) | DPCM | 3 | 1 | 2.0sec |
| └─ Seqn= 68 1-time(s) 2.0sec | | | | | | | | | | | | |
| | thin-Be/Open | med-Be/Open | close | Safe | Norm | 8ms | Obs 1x1 | 384x384 (1024, 1024) | DPCM | 3 | 0 | 2.0sec |
| | med-Be/Open | Open/thick-Al | close | Safe | Norm | 250ms | Obs 1x1 | 384x384 (1024, 1024) | DPCM | 3 | 0 | 2.0sec |
| | Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

| XOB #1BF: 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 | | | | |
| 03/12 14:03:00 - 03/12 17:59:54 | Track (795.2, -192.0) @ 03/12 11:32:00 | # OP start + 10min and AR 13599 obs. | | | | | | | | | | |
| 03/12 18:13:00 - 03/13 03:59:54 | Track (823.5, -198.6) @ 03/12 18:10:00 | AR 13599 obs. | | | | | | | | | | |
| 03/13 22:41:30 - 03/14 03:59:54 | Track (903.5, -228.6) @ 03/13 22:15:00 | AR 13599 obs. | | | | | | | | | | |
| PROG= 03 Inf.-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 92 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs 1x1 | 384x384 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| | Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs 1x1 | 384x384 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| | Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 16.0s | Obs 1x1 | 384x384 (1064, 1048) | Q=98 | 0 | 0 | 2.0sec |
| └─ Subr= 2 4-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 47 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Al-poly/Open | thin-Be/Open | close | Safe | Norm | 250ms | Obs 1x1 | 384x384 (1064, 1048) | Q=95 | 2 | 0 | 2.0sec |
| | Al-poly/Open | thin-Be/Open | close | Safe | Norm | 250ms | Obs 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| | thin-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs 1x1 | 384x384 (1064, 1048) | Q=95 | 2 | 0 | 2.0sec |
| | thin-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| └─ Seqn= 77 4-time(s) 300.0sec | | | | | | | | | | | | |
| | Al-poly/Open | thin-Be/Open | close | Safe | Norm | 250ms | Obs 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 0 | 2.0sec |
| | thin-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 0 | 95.0sec |
| | Al-poly/Open | thin-Be/Open | close | Safe | Norm | 250ms | Obs 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 1 | 2.0sec |
| | thin-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 1 | 95.0sec |
| | Al-poly/Open | thin-Be/Open | close | Safe | Norm | 250ms | Obs 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 2 | 2.0sec |
| | thin-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 2 | 2.0sec |
| | Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

| XOB #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 | | | | |
| 03/12 18:03:00 - 03/12 18:09:54 | Fixed (0.0, 0.0) | synoptic | | | | | | | | | | |
| 03/13 06:03:00 - 03/13 06:13:54 | Fixed (0.0, 0.0) | HOP 349 and synoptic, shifted 4.0 min | | | | | | | | | | |
| 03/13 18:08:00 - 03/13 18:14:54 | Fixed (0.0, 0.0) | synoptic, shifted 5.0 min | | | | | | | | | | |
| 03/14 05:33:00 - 03/14 05:44:24 | Fixed (0.0, 0.0) | HOP 349 and synoptic, shifted -25.5 min | | | | | | | | | | |
| PROG= 19 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 #1CD1: HOP349 - 3-filter Synoptics (Al-mesh[2/128/723], Al-poly[12/181/1443], thin-Be[24/512/3897] with 512x512 G-band+Leak - 375min cad) + CME w

| Term | Pointing (x, y) | Comment |
|---------------------------------|-------------------|---|
| 03/13 04:03:00 - 03/13 05:26:00 | Fixed (0.0, 0.0) | HOP 349 and synoptic, shifted 4.0 min |
| 03/14 04:03:00 - 03/14 05:29:54 | Fixed (0.0, 0.0) | HOP 349 and synoptic, shifted -25.5 min |

PROG= 10 Inf.-time(s)

| | | | | | | | | | | | | |
|-------------------------------------|------------------|-------|------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| Subr= 1 1-time(s) 300.0sec | | | | | | | | | | | | |
| Seqn= 55 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 2ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 125ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 707ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Seqn= 15 1-time(s) 2.0sec | | | | | | | | | | | | |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 12ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 177ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/thick-Al | close | Safe | Norm | 1.41s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Seqn= 79 1-time(s) 2.0sec | | | | | | | | | | | | |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 16ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 2.83s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Seqn= 30 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 512x512 (1024, 1024) | Q=90 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 512x512 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Subr= 2 15-time(s) 1500.0sec | | | | | | | | | | | | |
| Seqn= 8 1-time(s) 2.0sec | | | | | | | | | | | | |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 1.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 1.41s | Obs | 4x4 | 2048x2048 (1024, 1024) | DPCM | 2 | 0 | 2.0sec |
| Seqn= 74 1-time(s) 2.0sec | | | | | | | | | | | | |
| med-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| med-Be/Open | med-Be/Open | close | Safe | Norm | 2.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 2 | 0 | 2.0sec |
| Seqn= 6 1-time(s) 2.0sec | | | | | | | | | | | | |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 125ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 1.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | DPCM | 2 | 0 | 2.0sec |
| Seqn= 29 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 125ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 250ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 2 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

XOB #1D0A: HOP 480 Rocket - Be-thin/Be-med 8ms, 256ms, AEC1, 60s-cad

| Term | Pointing (x, y) | Comment |
|---------------------------------|--|---------------|
| 03/13 06:17:00 - 03/13 09:59:54 | Track (865.8, -211.2) ^{© 03/13 06:14:00} | AR 13599 obs. |

PROG= 07 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= 2 120-time(s) 60.0sec | | | | | | | | | | | | |
| Seqn= 44 1-time(s) 2.0sec | | | | | | | | | | | | |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 8ms | Obs | 1x1 | 384x384 (1024, 1024) | DPCM | 1 | 0 | 2.0sec |
| med-Be/Open | Open/thick-Al | close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1024, 1024) | DPCM | 1 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

XOB #1CE6: HOP81/206 1-filter - Al/poly 6s, 120s cadence, G-band - 384x384 1ms

| Term | Pointing (x, y) | Comment |
|---------------------------------|------------------------|------------------------|
| 03/13 10:03:00 - 03/13 17:26:30 | Fixed (-21.0, -959.0) | HOP 206 for South pole |

PROG= 20 Inf.-time(s)

| | | | | | | | | | | | | |
|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| Seqn= 16 2-time(s) 2.0sec | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|---|----------------|----------------|------------|---------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| ┌ | Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| └ | Subr= 2 | | 1-time(s) | 2.0sec | | | | | | | | | |
| ┌ | Seqn= 90 | 1-time(s) | 30.0sec | | | | | | | | | | |
| └ | Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=90 | 0 | 0 | 2.0sec |
| ┌ | Subr= 3 | | 60-time(s) | 60.0sec | | | | | | | | | |
| └ | Seqn= 24 | 1-time(s) | 120.0sec | | | | | | | | | | |
| ┌ | Al-poly/Open | Al-poly/Open | close | Safe | Norm | 5.66s | Obs | 1x1 | 384x384 (1064, 1048) | Q=90 | 0 | 0 | 2.0sec |
| └ | Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

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

| Term | Pointing (x, y) | Comment | | | | | | | | | | | |
|---------------------------------|---------------------------|------------------------|------------|----------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| 03/13 18:30:00 - 03/13 20:14:54 | Fixed (0.0, 930.0) | Co-alignment for North | | | | | | | | | | | |
| PROG= 04 1-time(s) | | | | | | | | | | | | | |
| ┌ | Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| └ | Seqn= 23 1-time(s) 2.0sec | | | | | | | | | | | | |
| ┌ | Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=90 | 0 | 0 | 2.0sec |
| └ | Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| ┌ | Subr= 2 | | 24-time(s) | 300.0sec | | | | | | | | | |
| └ | Seqn= 69 | 1-time(s) | 2.0sec | | | | | | | | | | |
| ┌ | Al-poly/Open | med-Be/Open | close | Safe | Norm | 1.41s | Obs | 2x2 | 2048x1536 (1024, 768) | Q=95 | 0 | 0 | 2.0sec |
| └ | Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

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

| Term | Pointing (x, y) | Comment | | | | | | | | | | | |
|---------------------------------|---------------------------|-----------------------|------------|----------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| 03/13 20:30:00 - 03/13 22:14:54 | Fixed (-970.0, 0.0) | Co-alignment for East | | | | | | | | | | | |
| PROG= 05 1-time(s) | | | | | | | | | | | | | |
| ┌ | Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| └ | Seqn= 23 1-time(s) 2.0sec | | | | | | | | | | | | |
| ┌ | Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=90 | 0 | 0 | 2.0sec |
| └ | Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| ┌ | Subr= 2 | | 15-time(s) | 480.0sec | | | | | | | | | |
| └ | Seqn= 70 | 1-time(s) | 2.0sec | | | | | | | | | | |
| ┌ | Al-poly/Open | med-Be/Open | close | Safe | Norm | 1.41s | Obs | 2x2 | 1536x2048 (1280, 1024) | Q=95 | 0 | 0 | 2.0sec |
| └ | Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

XOB #1CC3: HOP361 - High cadence (10s thin-Be only) 256x256 at 1064 1048

| Term | Pointing (x, y) | Comment | | | | | | | | | | | |
|---------------------------------|--|----------------|-----------|--------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| 03/14 05:47:30 - 03/14 11:01:30 | Track (913.6, -236.9) ^{Ⓜ 03/14 05:44:30} | AR 13599 obs. | | | | | | | | | | | |
| PROG= 02 Inf.-time(s) | | | | | | | | | | | | | |
| ┌ | Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| └ | Seqn= 12 1-time(s) 2.0sec | | | | | | | | | | | | |
| ┌ | Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 256x256 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| └ | Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 256x256 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| ┌ | Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 16.0s | Obs | 1x1 | 256x256 (1064, 1048) | Q=98 | 0 | 0 | 2.0sec |
| ┌ | Subr= 2 | | 1-time(s) | 2.0sec | | | | | | | | | |
| └ | Seqn= 28 | 250-time(s) | 10.0sec | | | | | | | | | | |
| ┌ | thin-Be/Open | med-Be/Open | close | Safe | Norm | 1.00s | Obs | 1x1 | 256x256 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| └ | Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

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Flare mode

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XOB #1CB7: Flare - multifilter 4 sec cadence (Be/thin, Be/med), AEC 1, 384x384

| Term | Pointing (x, y) | Comment | | | | | | | | | | | |
|---------------------------------|--|---|-----------|--------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| 03/12 11:40:30 - 03/12 13:59:54 | Track (795.2, -192.0) ^{Ⓜ 03/12 11:32:00} | # OP start + 10min and AR 13599 obs. | | | | | | | | | | | |
| 03/12 14:03:00 - 03/12 17:59:54 | Track (795.2, -192.0) ^{Ⓜ 03/12 11:32:00} | # OP start + 10min and AR 13599 obs. | | | | | | | | | | | |
| 03/12 18:13:00 - 03/13 03:59:54 | Track (823.5, -198.6) ^{Ⓜ 03/12 18:10:00} | AR 13599 obs. | | | | | | | | | | | |
| 03/13 04:03:00 - 03/13 05:26:00 | Fixed (0.0, 0.0) | HOP 349 and synoptic, shifted 4.0 min | | | | | | | | | | | |
| 03/13 06:17:00 - 03/13 09:59:54 | Track (865.8, -211.2) ^{Ⓜ 03/13 06:14:00} | AR 13599 obs. | | | | | | | | | | | |
| 03/13 10:03:00 - 03/13 17:26:30 | Fixed (-21.0, -959.0) | HOP 206 for South pole | | | | | | | | | | | |
| 03/13 22:41:30 - 03/14 03:59:54 | Track (903.5, -228.6) ^{Ⓜ 03/13 22:15:00} | AR 13599 obs. | | | | | | | | | | | |
| 03/14 04:03:00 - 03/14 05:29:54 | Fixed (0.0, 0.0) | HOP 349 and synoptic, shifted -25.5 min | | | | | | | | | | | |
| 03/14 05:47:30 - 03/14 11:01:30 | Track (913.6, -236.9) ^{Ⓜ 03/14 05:44:30} | AR 13599 obs. | | | | | | | | | | | |
| PROG= 01 30-time(s) | | | | | | | | | | | | | |
| ┌ | Subr= 1 30-time(s) 2.0sec | | | | | | | | | | | | |
| └ | Seqn= 13 1-time(s) 10.0sec | | | | | | | | | | | | |
| ┌ | thin-Be/Open | med-Be/Open | close | Safe | Norm | 8ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 1 | 0 | 2.0sec |
| └ | med-Be/Open | Open/thick-Al | close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 1 | 0 | 2.0sec |
| ┌ | Subr= 2 | | 1-time(s) | 2.0sec | | | | | | | | | |
| └ | Seqn= 13 | 160-time(s) | 20.0sec | | | | | | | | | | |
| ┌ | thin-Be/Open | med-Be/Open | close | Safe | Norm | 8ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 1 | 0 | 2.0sec |
| └ | med-Be/Open | Open/thick-Al | close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 1 | 0 | 2.0sec |
| ┌ | Seqn= 36 | 1-time(s) | 2.0sec | | | | | | | | | | |
| ┌ | Open/G-band | Open/G-band | open | Safe | Norm | 44ms | 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

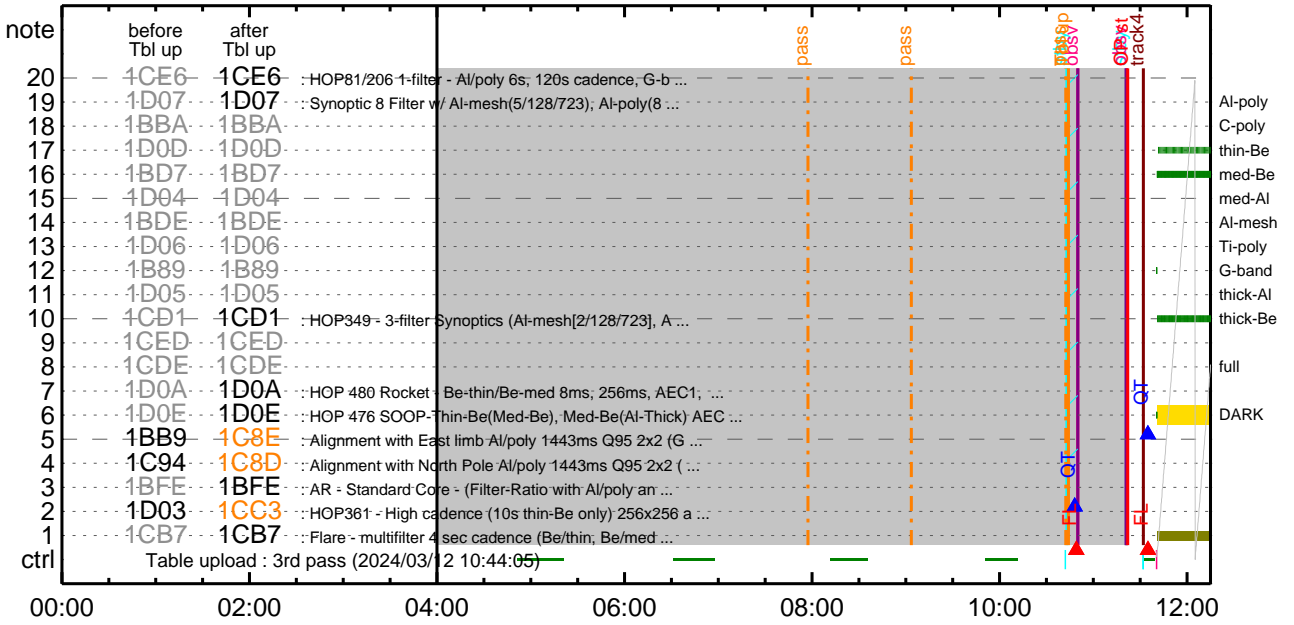
* * * * *

Flare Detection

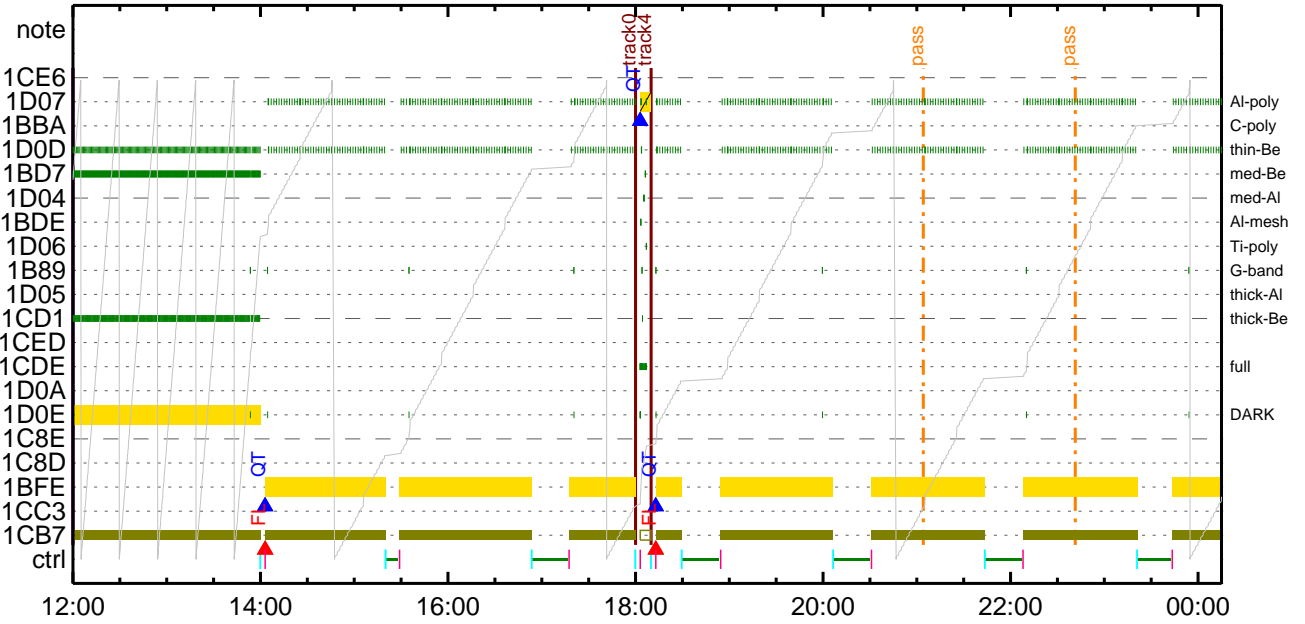
* * * * *

| FLD Patrol | | | | | | | | | | |
|---------------------------------|----------------|------------------------|------|------------------|------|---------------|---------|--------------------|-------|---------------------|
| Term | | Pointing (x, y) | | | | | Comment | | | |
| 03/12 10:45:05 - 03/12 18:00:18 | | cannot be identified | | | | | | | | |
| 03/12 18:10:18 - 03/13 06:00:18 | | Track (823.5, -198.6) | | ③ 03/12 18:10:00 | | AR 13599 obs. | | | | |
| 03/13 06:14:18 - 03/13 18:05:18 | | Track (865.8, -211.2) | | ③ 03/13 06:14:00 | | AR 13599 obs. | | | | |
| 03/13 22:15:18 - 03/14 05:30:18 | | Track (903.5, -228.6) | | ③ 03/13 22:15:00 | | AR 13599 obs. | | | | |
| 03/14 05:44:48 - 03/16 10:55:00 | | Track (913.6, -236.9) | | ③ 03/14 05:44:30 | | AR 13599 obs. | | | | |
| AI-poly/Open | AI-poly/Open | close | Safe | Norm | 4ms | Obs | 8x8 | Q=50 | 30sec | |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer Interval |

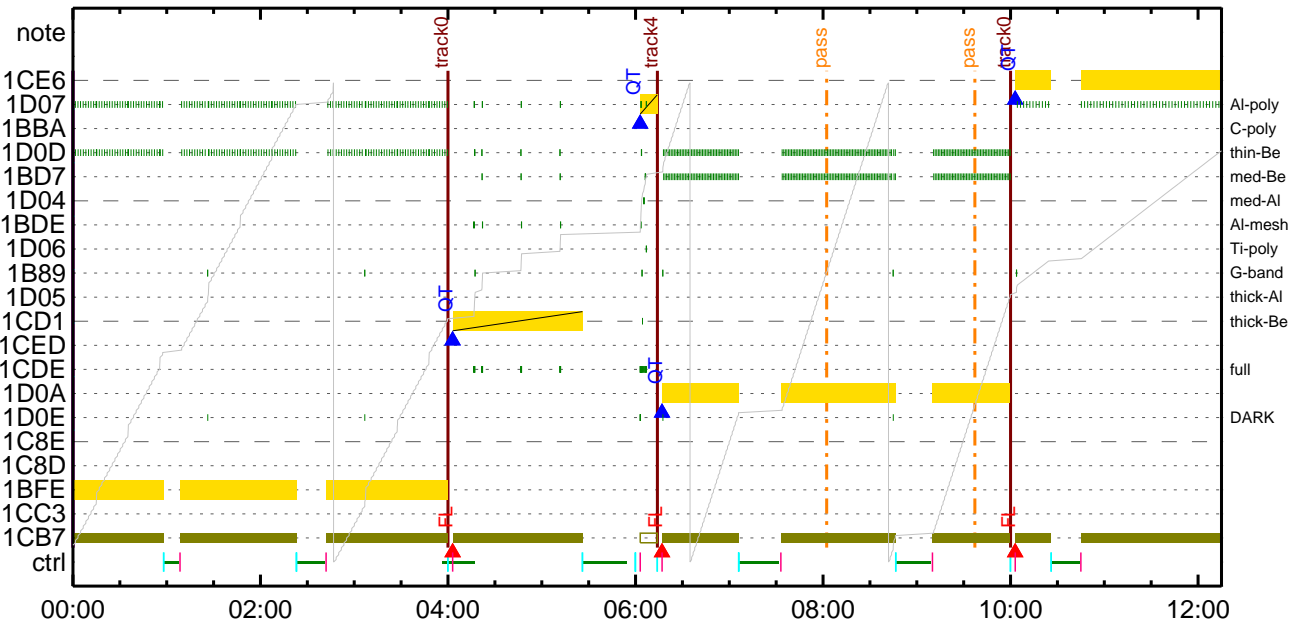
CMDI #0674 2024/03/12



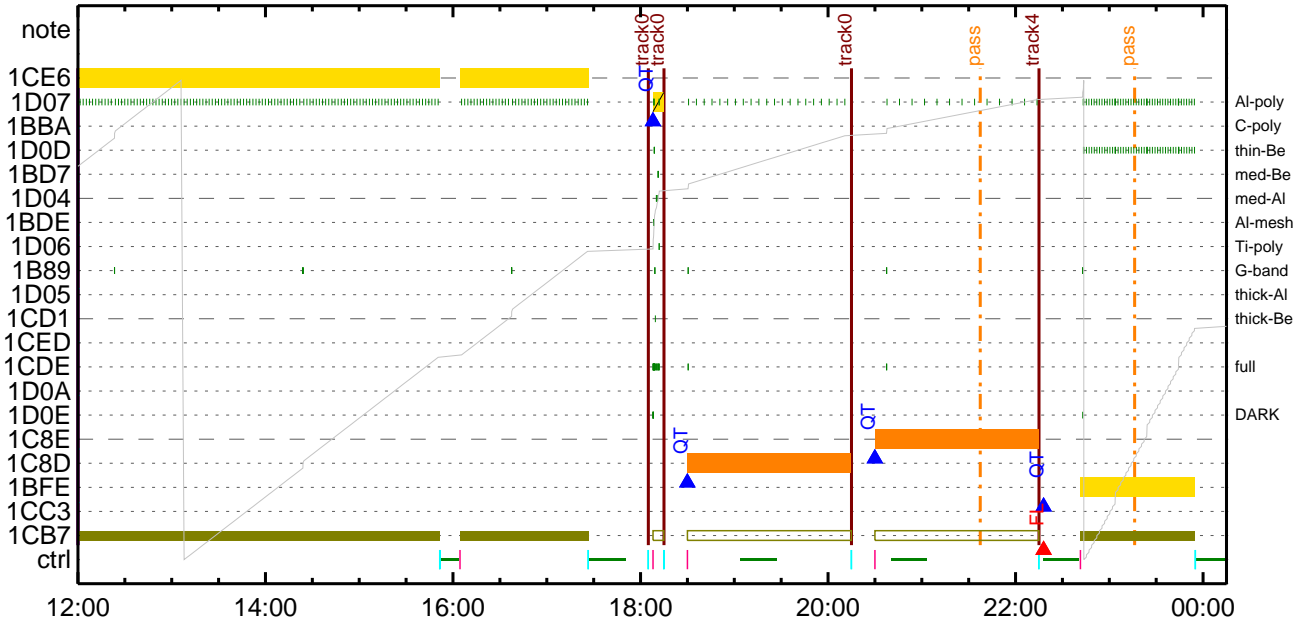
CMDI #0674 2024/03/12



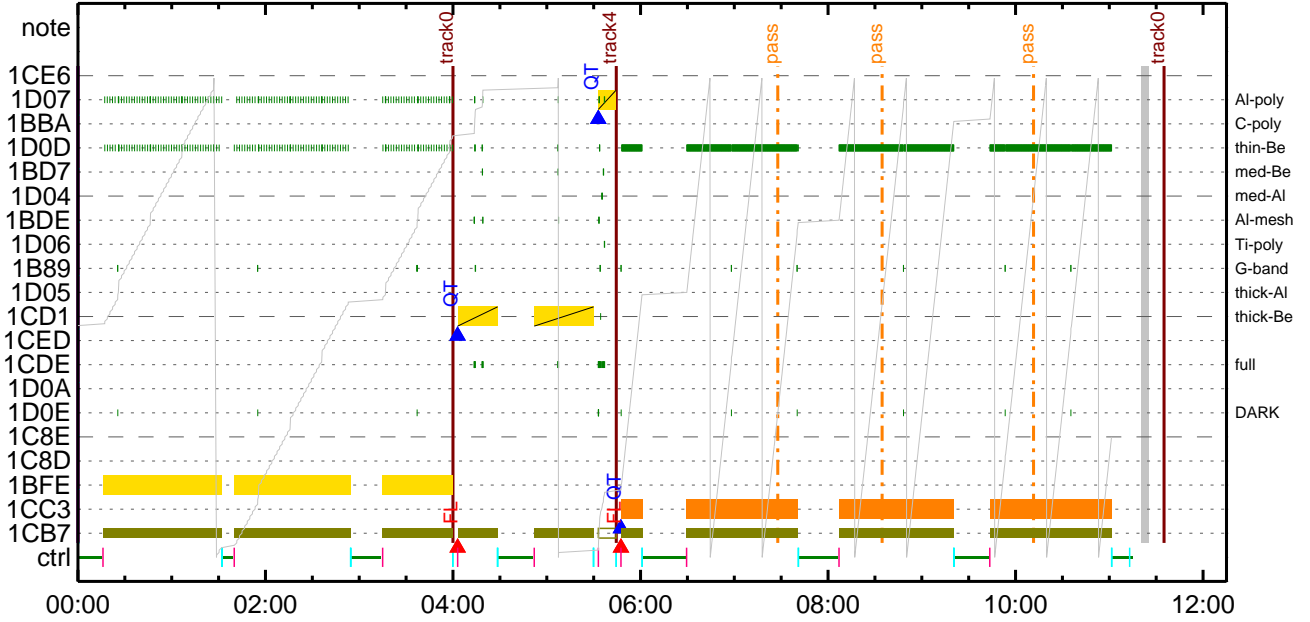
CMDI #0674 2024/03/13



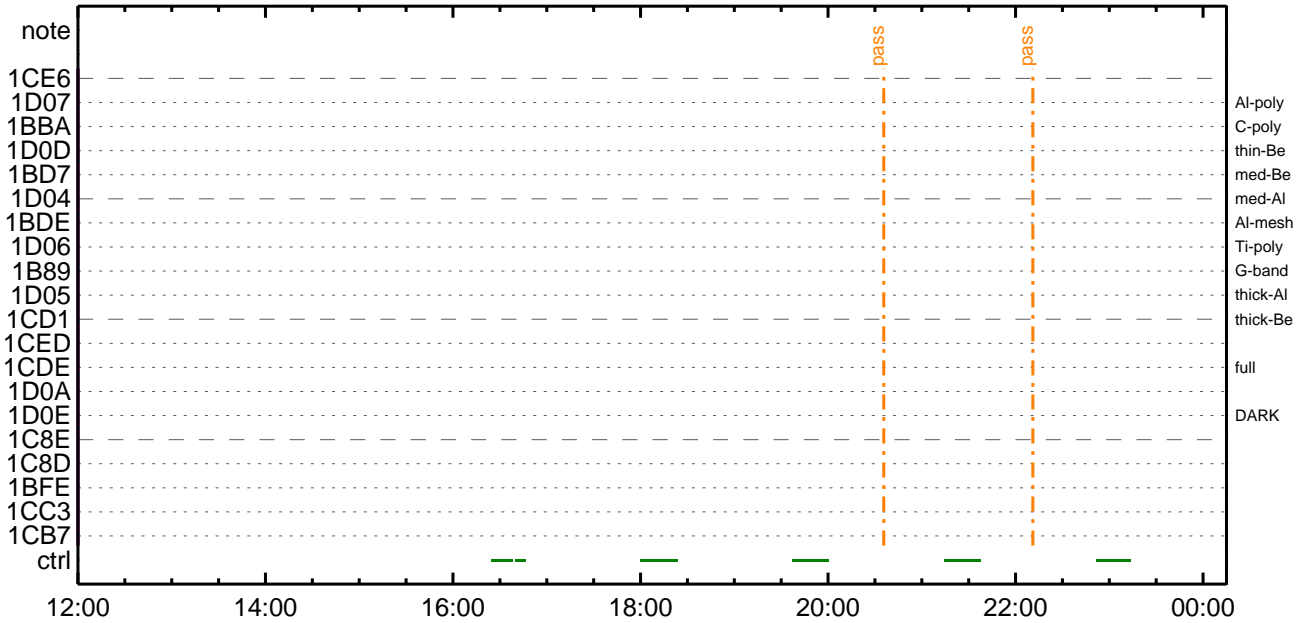
CMDI #0674 2024/03/13



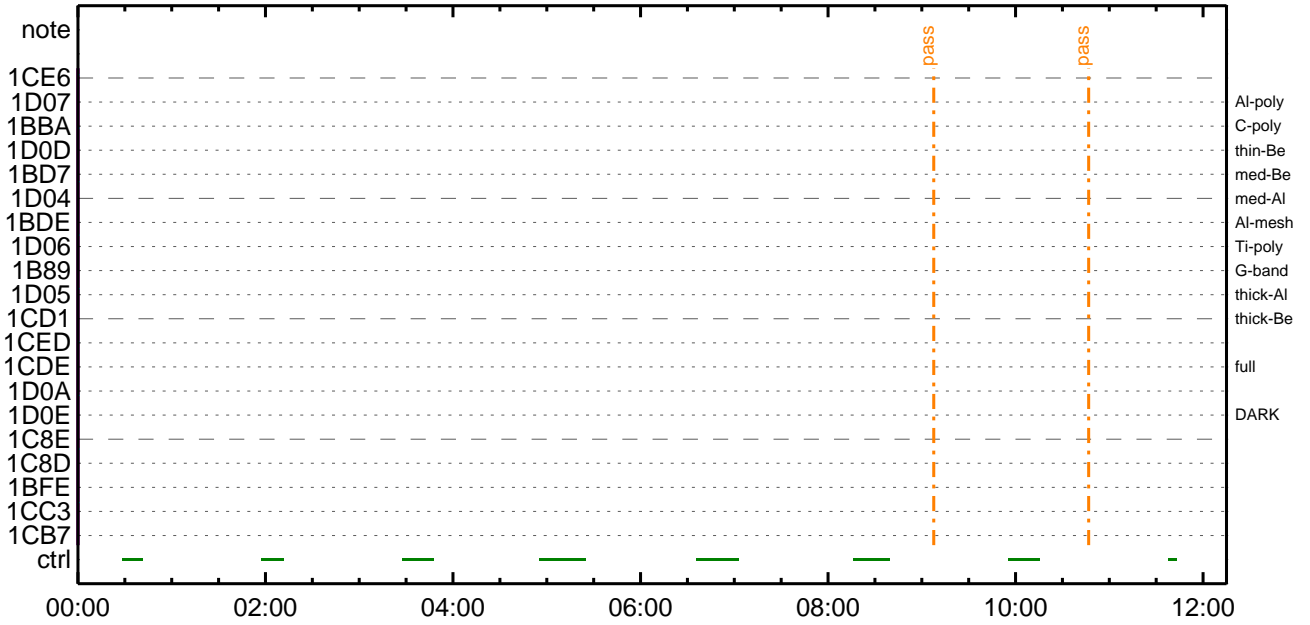
CMDI #0674 2024/03/14



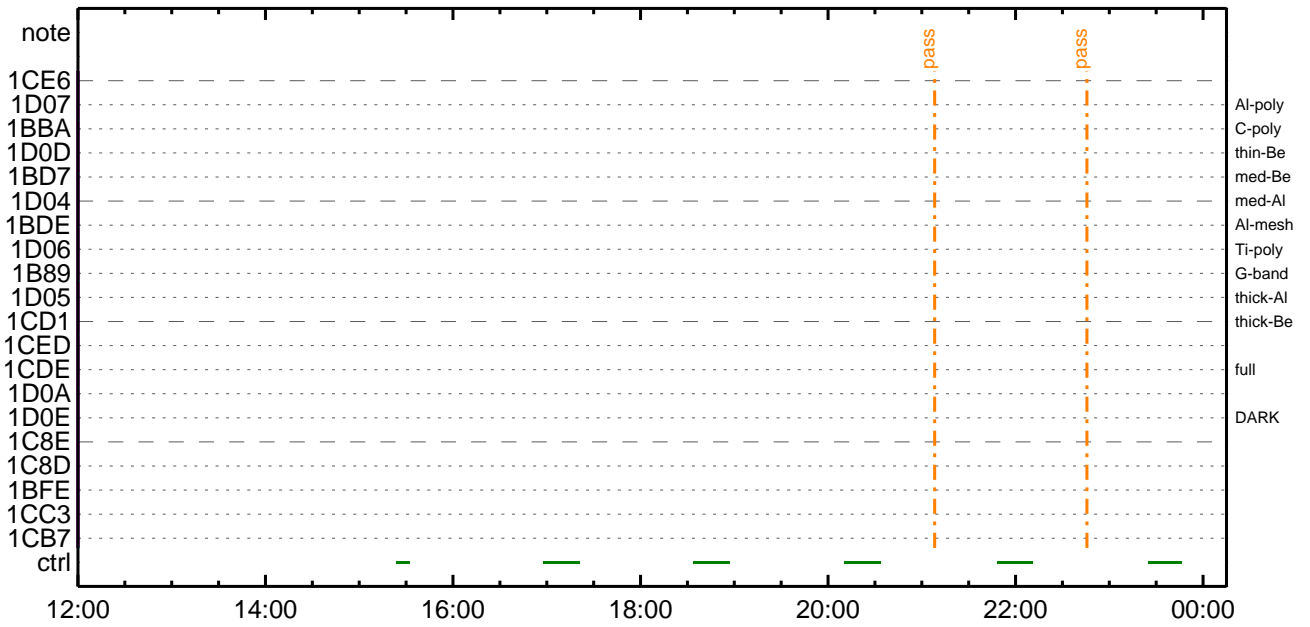
CMDI #0674 2024/03/14



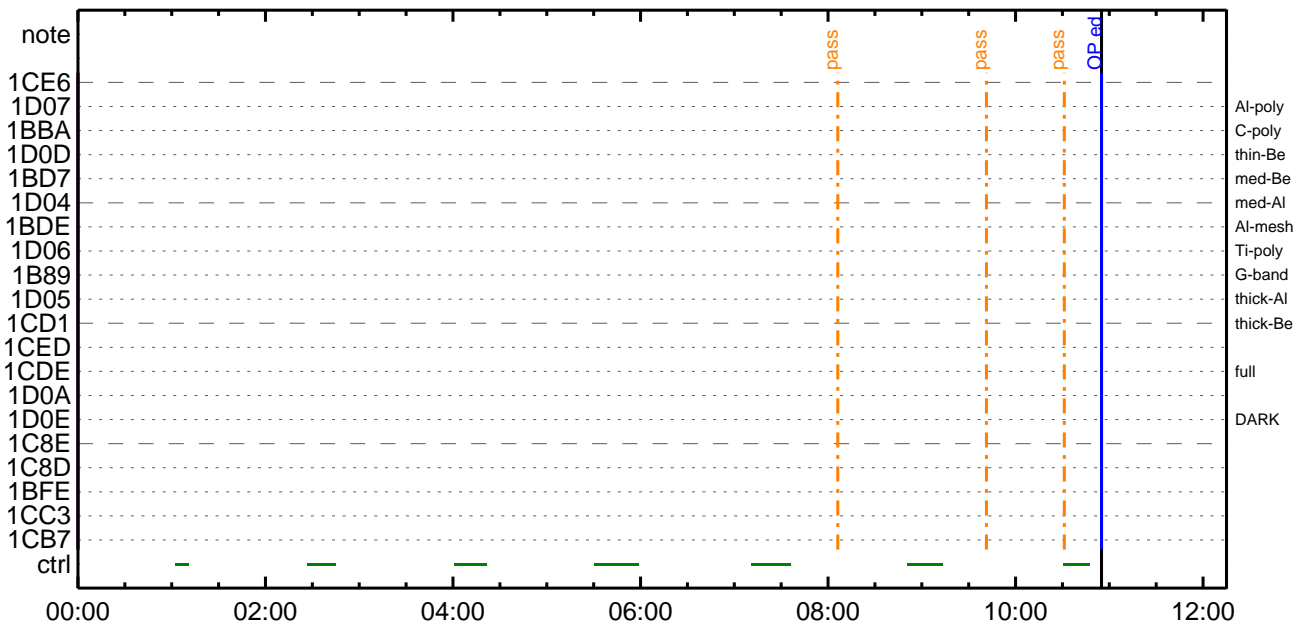
CMDI #0674 2024/03/15



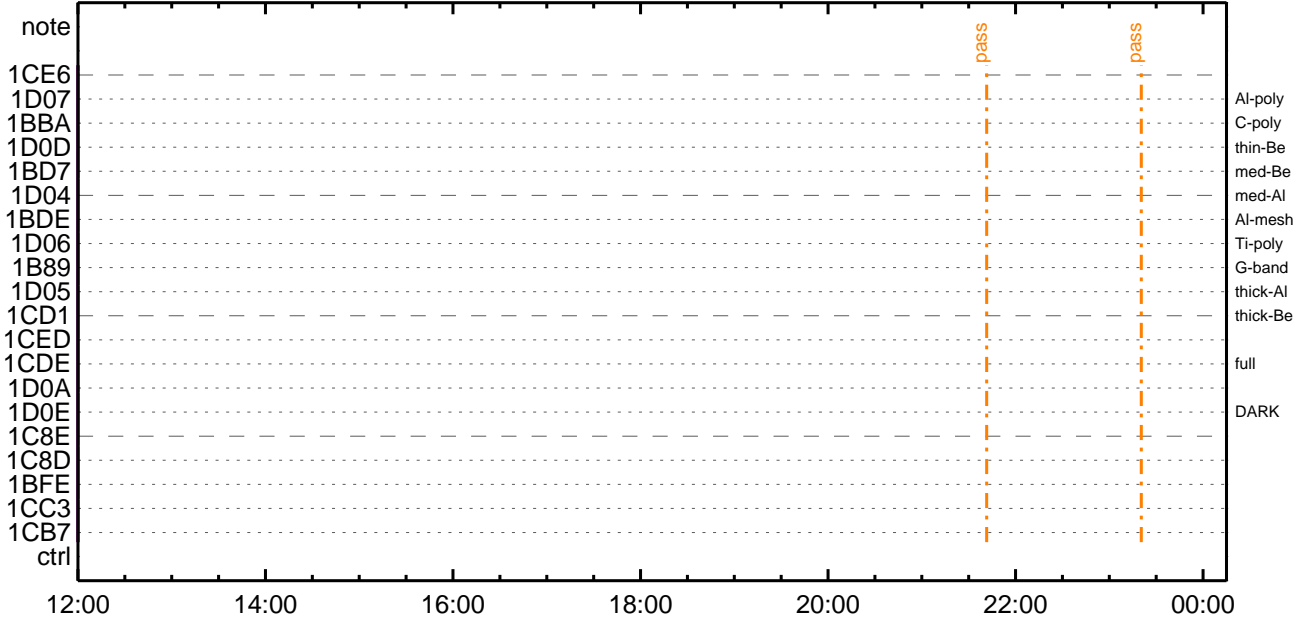
CMDI #0674 2024/03/15



CMDI #0674 2024/03/16



CMDI #0674 2024/03/16



0096 C. SET EDUMP I±°iYÑY¹aÇ¹Ôa|a³aE;f

0097 C.

0098 C. TIY³YFYYÖYÉaòdÁDİ¿(UT)

0099 +. TI 2024-03-12 11:17:00.0

0100 DC 01-B3 DHU_OP_STOP

0101 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

0102 C.

0103 +. TI 2024-03-12 11:17:01.0

0104 DC 01-B4 DHU_OP_COPY

0105 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

0106 C.

0107 +. TI 2024-03-12 11:17:01.0

0108 DC 01-B5 DHU_OPOG_COPY

0109 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

0110 C.

0111 +. TI 2024-03-12 11:21:59.5

0112 DC 01-B2 DHU_OP_START

0113 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

0114 C.

0115 C. °E²¼aİÄè%îÍÑaİYÁY§YÁY-¹àİÜ

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°èYÄYÖY×

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. YÄYÖY×¼¹¹»òð³İÇ§

0142 C. çç[HK1_DMP_CHK_FLG] EQ NON

0143 C.

0144 C. RAM ID=TI_TBLaİ%È¹Ç•è²İOKòð³İÇ§

0145 C.

0146 C. DHUYâ;¼YÉ;È¼Y¼, Yİ;¼YÈ;Èòðİáa¹

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 2024-03-12 11:21:30.0

0161 DC 07-FC EIS_MODE_MANU

0162 BC (21 02)

0163 +. TI 2024-03-12 11:21:40.0

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. SOT TI command set

0172 C. *****

0173 C. Execute, after the success of OP upload.

0174 +. TI 2024-03-12 11:21:16.0

0175 DC 07-F0 MDP_SOT_MODE_STBY

0176 BC (41)

0177 C. -----

0178 C. HK1_TI_CMD_NUM = 1 CNTUP []

0179 C. -----

0180 C. ***** SOT END *****

0181 C.

0182 C. ***** XRT START *****

0183 C. Execute, after the success of OP upload.

0184 +. TI 2024-03-12 11:21:00.0

0185 DC 07-F0 MDP_XRT_MODE_STBY

0186 BC (c3)

0187 C. [] [HK1_TI_CMD_NUM] EQ 1COUNTUP

0188 C.

0189 C. ***** XRT END *****

0190 C.

0191 C. ***** MDP 'úÄİaİ»ö¼YòÈÄa¹aèDCBC•×²è *****

0192 C. (¼a°İYÖYÄYÉYFYYÄYÇYèaÈ¼¼a¼Ä»Üa¹aè)

0193 C. S. DC-BC dcbc-402:DCBC

```
0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥ÐŸ!•İ Daily±;İÑøĒ'Øσ¹αēDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOSŸÁŸSŸÃŸ~¼Â»Û;ä
0203 C.
0204 . C. ***** LOS *****
0205 C.
```


(a) Spacecraft Operation Procedure (real-commands)

```
main-434 2024-03-12 11:09:13 220 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Ü;ã
0005 C.
0006 C. YÀYB;¼Y³YFÝÓYÉÁ+ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;ÛçäðÁñ•μ°Æ»Í×ÁÇçÍYçYÁY×YÍ;¼YÉ;ËÈÈ¼μ•íÉ;ËñÈ¼°ÇÖñ•ñç¼í¹çñÍ;çÀ®, ùñ¹ñññññÇÁ+ç®ñ•ñññññÈ; ç
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+ç@μ;ON
0016 C. *****
0017 C. ç” °ÆÀ, Í×ËYñáLÖññçññ»p´Öññ¹íí, ñ•; çÉÖÍ×ñÈXÁÖÖñññ¹¹Öñññ¹ñññññÈ; ç
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. XÝDÝÓYÉYÍYÁY-¾ÒÁÖñ•ñçñé; ç°Ê²¼ññ¹°ÆÀ, ¼Ê½çññð¼Á¹Öññ¹ñé; ç
0030 C.
0031 . C. *****
0032 C. DR PT1 Áí¼í°ÆÀ,
0033 C. *****
0034 C. ç” RESTART;ËPT1;Ëñ•ñçññ¼í¹çñÍ; ç°Ê²¼ññ¹¼Á¹Öñññ¹°; çDCBC-150ññçÈñññ; ç
0035 C.
0036 . C. ;ãPT1°ÆÀ, ³«»Í;ã
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 (¼Á¹Ö, ;¼Ú)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0045 C.
0046 . C. ;ãYçYÓYÆYÈÁÙÁÏ;ËÁ•Á°²óÈð;Ë, áññ¹°ÆÀ, °Æ³«;ã
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 (¼Á¹Ö, ;¼Ú)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÆÀ, ñ-¼«Æ°Áá»ñññçñç, á; ç°Ê²¼ññð¼Á¹Öññ¹ñé; ç
0055 C. YçYÓYÆYÈÁÙÁÏñññÁ•Á°²óÈðññ¼áññ¼í¹çñÍ´°í»ññ¹ñññññÇÁÖñññ; ç
0056 C.
0057 . C. *****
0058 C. DR PT2 Áí¼í°ÆÀ,
0059 C. *****
0060 C. ç” RESTART;ËPT2;Ëñ•ñçññ¼í¹çñÍ; ç°Ê²¼ññ¹¼Á¹Öñññ¹°; çDCBC-151ññçÈñññ; ç
0061 C.
0062 . C. ;ãPT2°ÆÀ, ³«»Í;ã
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 (¼Á¹Ö, ;¼Ú)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0071 C.
0072 . C. ;ãYçYÓYÆYÈÁÙÁÏ;ËÁ•Á°²óÈð;Ë, áññ¹°ÆÀ, °Æ³«;ã
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 (¼Á¹Ö, ;¼Ú)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÆÀ, Áá»ññ; çXÁ+ç@μ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÆÀ, Áá»ññ;ã
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. ;ãXÁ+ç@μ;OFF;ã
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] EQ OFF
```

```

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_MODE_STBY
0104 BC (c3)
0105 . C. ----- Success Verify ? OK / NG ____
0106 C.
0107 C. XRT Obs. Table Upload
0108 . S. RAM ram-291:MDP_OBS_X
0109 ( )
0110 C.
0111 +. DC 07-F0 MDP_DUMP_XRTTBL
0112 BC (84 07 00 00 00 3a d4)
0113 . C. ----- Comparison Check ? OK / ERR ____
0114 C.
0115 C.
0116 +. DC 07-F0 MDP_XRT_ROI_SET
0117 BC (cd 01 b1 b1 04 04)
0118 + DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 02 b1 b1 08 08)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 03 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 04 b1 b1 06 06)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 06 85 83 06 06)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 07 80 80 06 06)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 08 80 80 20 20)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 09 80 80 20 08)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 0a 80 80 08 20)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 0b 80 80 08 08)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 0c 80 60 20 18)
0138 + DC 07-F0 MDP_XRT_ROI_SET
0139 BC (cd 0d a0 80 18 20)
0140 + DC 07-F0 MDP_XRT_ROI_SET
0141 BC (cd 0e 85 83 04 04)
0142 + DC 07-F0 MDP_XRT_ROI_SET
0143 BC (cd 0f 80 80 06 06)
0144 + DC 07-F0 MDP_XRT_ROI_SET
0145 BC (cd 10 80 80 08 08)
0146 + DC 07-F0 MDP_XRT_FLD_ENA
0147 BC (d8)
0148 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0149 BC (c8)
0150 + DC 07-F0 MDP_XRT_ARS_DIS
0151 BC (d5)
0152 + DC 07-F0 MDP_XRT_AEC_RESET
0153 BC (d0)
0154 + DC 07-F0 MDP_XRT_FLD_RESET
0155 BC (da)
0156 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0157 BC (c4 03)
0158 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0159 BC (c5 01)
0160 . C. ----- Success Verify ? OK / NG ____
0161 C.
0162 C.
0163 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0164 C.
0165 +. DC 07-F0 MDP_XRT_MODE_OBSV
0166 BC (c2)
0167 +. TI 2024-03-12 11:21:02.0
0168 DC 07-F0 MDP_XRT_MODE_OBSV
0169 BC (c2)
0170 . C. ----- Success Verify ? OK / NG ____
0171 C.
0172 C. ***** XRT END *****
0173 . C. *****
0174 C. SOT table upload
0175 C. *****
0176 . C. < Stop SP table >
0177 +. DC 07-F0 MDP_SP_CTRL_MANU
0178 BC (61)
0179 C. -----
0180 C. MDP_SP_CTRL_MODE = MANU [ ]
0181 C. -----
0182 C.
0183 . C. <Upload SP Observation Table>
0184 . S. RAM ram-283:MDP_OBS_S
0185 ( )
0186 C.
0187 . C. < Dump RAMID=MDP_OBS_S >
0188 +. DC 07-F0 MDP_DUMP_SPTBL
0189 BC (83 07 00 00 00 38 b8)
0190 C. -----
0191 C. MDP_OBS_S verify = OK/NG [ ]
0192 C. -----
0193 C.

```

```
0194 C. *****
0195 C. SOT TI command set
0196 C. *****
0197 C. Execute, after the success of TBL upload.
0198 +. TI 2024-03-12 11:21:18.0
0199 DC 07-F0 MDP_SOT_MODE_OBSV
0200 BC (40)
0201 . C. -----
0202 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0203 C. -----
0204 C.
0205 C.
0206 . C. ***** MDP `úÃîñî»ò¼ŷñÉÄñ¹ñéDCBC•x²è *****
0207 C. (¼á°íŷÓŷÃŷÈŷŲŷËŷáŷçŷèñ½¼ñ¼Ä»Ûñ¹ñé)
0208 . S. DC-BC dcbc-402:DCBC
0209 (MDP_known_event)
0210 C.
0211 C.
0212 . C. ***** ŷDŷ¹•Ï Daily±¿ÍÑñÉ´Øñ¹ñéDCBC•x²è *****
0213 . S. DC-BC dcbc-153:DCBC
0214 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0215 C.
0216 C.
0217 . C. ¡ãLOSŷÁŷŒŷÃŷ¬¼Ä»Ûñ¹ñé
0218 C.
0219 . C. ***** LOS *****
0220 C.
```


*** OP Sequence for XRT ***

| | | | | | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2024/03/12 | 11:31:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/12 | 11:31:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/12 | 11:31:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2024/03/12 | 11:32:00.0 | AOCS_Ore-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 04 03 74 01 db | | | | |
| 2024/03/12 | 11:32:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2024/03/12 | 11:32:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2024/03/12 | 11:32:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2024/03/12 | 11:32:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2024/03/12 | 11:32:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/12 | 11:34:56.0 | XRT_QT_PROG_SET_446_OG [0x1be] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06 | | | | |
| 2024/03/12 | 11:34:58.0 | XRT_FL_PROG_SET_442_OG [0x1ba] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 01 | | | | |
| 2024/03/12 | 11:39:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/03/12 | 11:40:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/12 | 13:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/12 | 13:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/12 | 13:59:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2024/03/12 | 14:00:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2024/03/12 | 14:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2024/03/12 | 14:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2024/03/12 | 14:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2024/03/12 | 14:00:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/12 | 14:02:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 03 | | | | |
| 2024/03/12 | 14:02:58.0 | XRT_FL_PROG_SET_442_OG [0x1ba] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 01 | | | | |
| 2024/03/12 | 14:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/12 | 15:20:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/12 | 15:20:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/12 | 15:20:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/12 | 15:20:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/03/12 | 15:23:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/03/12 | 15:28:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/03/12 | 15:29:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/12 | 16:53:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/12 | 16:53:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/12 | 16:53:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/12 | 16:53:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/03/12 | 16:56:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/03/12 | 17:16:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/03/12 | 17:17:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/12 | 17:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/12 | 17:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/12 | 17:59:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2024/03/12 | 18:00:00.0 | AOCS_Ore-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2024/03/12 | 18:00:18.0 | XRT_FLD_DIS_409_OG [0x199] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2024/03/12 | 18:00:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2024/03/12 | 18:00:22.0 | XRT_ARS_DIS_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2024/03/12 | 18:02:58.0 | XRT_QT_PROG_SET_401_OG [0x191] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 | | | | |
| 2024/03/12 | 18:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |

| | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|
| 2024/03/12 | 18:09:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/12 | 18:09:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/12 | 18:09:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2024/03/12 | 18:10:00.0 | AOCS_Ore-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 04 03 74 01 db |
| 2024/03/12 | 18:10:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2024/03/12 | 18:10:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2024/03/12 | 18:10:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2024/03/12 | 18:10:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2024/03/12 | 18:10:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/03/12 | 18:12:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 03 |
| 2024/03/12 | 18:12:58.0 | XRT_FL_PROG_SET_442_OG [0x1ba] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 01 |
| 2024/03/12 | 18:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/03/12 | 18:29:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/12 | 18:29:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/12 | 18:29:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/03/12 | 18:29:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/03/12 | 18:32:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/03/12 | 18:53:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2024/03/12 | 18:54:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/03/12 | 20:06:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/12 | 20:06:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/12 | 20:06:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/03/12 | 20:06:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/03/12 | 20:09:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/03/12 | 20:30:00.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2024/03/12 | 20:31:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/03/12 | 21:43:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/12 | 21:43:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/12 | 21:43:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/03/12 | 21:43:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/03/12 | 21:46:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/03/12 | 22:07:00.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2024/03/12 | 22:08:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/03/12 | 23:21:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/12 | 23:21:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/12 | 23:21:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/03/12 | 23:21:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/03/12 | 23:24:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/03/12 | 23:42:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2024/03/12 | 23:43:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/03/13 | 00:58:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/13 | 00:58:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/13 | 00:58:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/03/13 | 00:58:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/03/13 | 01:01:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/03/13 | 01:07:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2024/03/13 | 01:08:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/03/13 | 02:23:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/13 | 02:23:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |

| | | | | | | | |
|------------|------------|------------------------------------|---------------------|---|-------|----------------|--|
| 2024/03/13 | 02:23:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2024/03/13 | 02:23:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2024/03/13 | 02:26:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2024/03/13 | 02:41:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2024/03/13 | 02:42:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2024/03/13 | 03:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/03/13 | 03:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/03/13 | 03:59:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2024/03/13 | 04:00:00.0 | AOCS_Or-e-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | |
| 2024/03/13 | 04:00:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2024/03/13 | 04:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2024/03/13 | 04:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2024/03/13 | 04:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2024/03/13 | 04:00:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2024/03/13 | 04:02:56.0 | XRT_QT_PROG_SET_437_OG [0x1b5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0a | |
| 2024/03/13 | 04:02:58.0 | XRT_FL_PROG_SET_442_OG [0x1ba] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 01 | |
| 2024/03/13 | 04:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2024/03/13 | 05:26:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/03/13 | 05:26:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/03/13 | 05:26:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2024/03/13 | 05:26:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2024/03/13 | 05:29:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2024/03/13 | 05:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/03/13 | 05:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/03/13 | 05:59:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2024/03/13 | 06:00:18.0 | XRT_FLD_DIS_409_OG [0x199] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2024/03/13 | 06:00:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2024/03/13 | 06:00:22.0 | XRT_ARS_DIS_435_OG [0x1b3] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2024/03/13 | 06:02:58.0 | XRT_QT_PROG_SET_401_OG [0x191] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 | |
| 2024/03/13 | 06:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2024/03/13 | 06:13:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/03/13 | 06:13:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/03/13 | 06:13:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | |
| 2024/03/13 | 06:14:00.0 | AOCS_Or-e-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 04 03 74 01 db | |
| 2024/03/13 | 06:14:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2024/03/13 | 06:14:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2024/03/13 | 06:14:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2024/03/13 | 06:14:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2024/03/13 | 06:14:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2024/03/13 | 06:16:56.0 | XRT_QT_PROG_SET_425_OG [0x1a9] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 07 | |
| 2024/03/13 | 06:16:58.0 | XRT_FL_PROG_SET_442_OG [0x1ba] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 01 | |
| 2024/03/13 | 06:17:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2024/03/13 | 07:06:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/03/13 | 07:06:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/03/13 | 07:06:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2024/03/13 | 07:06:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2024/03/13 | 07:09:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |

| | | | | | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2024/03/13 | 07:32:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/03/13 | 07:33:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/13 | 08:46:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/13 | 08:46:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/13 | 08:46:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/13 | 08:46:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/03/13 | 08:49:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/03/13 | 09:09:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/03/13 | 09:10:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/13 | 09:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/13 | 09:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/13 | 09:59:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2024/03/13 | 10:00:00.0 | AOCS_OrE-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 55 3f 01 db | | | | |
| 2024/03/13 | 10:00:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2024/03/13 | 10:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2024/03/13 | 10:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2024/03/13 | 10:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2024/03/13 | 10:00:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/13 | 10:02:56.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 | | | | |
| 2024/03/13 | 10:02:58.0 | XRT_FL_PROG_SET_442_OG [0x1ba] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 01 | | | | |
| 2024/03/13 | 10:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/13 | 10:26:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/13 | 10:26:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/13 | 10:26:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/13 | 10:26:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/03/13 | 10:29:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/03/13 | 10:44:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/03/13 | 10:45:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/13 | 15:51:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/13 | 15:51:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/13 | 15:51:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/13 | 15:51:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/03/13 | 15:54:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/03/13 | 16:03:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/03/13 | 16:04:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/13 | 17:26:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/13 | 17:26:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/13 | 17:26:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/13 | 17:26:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/03/13 | 17:29:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/03/13 | 18:04:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/13 | 18:04:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/13 | 18:04:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2024/03/13 | 18:05:00.0 | AOCS_OrE-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2024/03/13 | 18:05:18.0 | XRT_FLD_DIS_409_OG [0x199] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2024/03/13 | 18:05:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2024/03/13 | 18:05:22.0 | XRT_ARS_DIS_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2024/03/13 | 18:07:58.0 | XRT_QT_PROG_SET_401_OG [0x191] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 | | | | |
| 2024/03/13 | 18:08:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |

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| 2024/03/13 | 18:14:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/03/13 | 18:14:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/13 | 18:14:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/13 | 18:15:00.0 | AOCS_Orе-point_Start_4_OG [0x09a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2024/03/13 | 18:15:18.0 | XRT_FLD_DIS_422_OG [0x1a6] | AOCU_NM | 5 | 02-76 | 00 ad 59 00 00 |
| 2024/03/13 | 18:29:54.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2024/03/13 | 18:29:56.0 | XRT_ARS_DIS_427_OG [0x1ab] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2024/03/13 | 18:29:58.0 | XRT_QT_PROG_SET_418_OG [0x1a2] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2024/03/13 | 18:30:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 04 |
| 2024/03/13 | 20:14:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/03/13 | 20:14:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/13 | 20:14:58.0 | XRT_FOCUS_POSITION_440_OG [0x1b8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/13 | 20:15:00.0 | AOCS_Orе-point_Start_5_OG [0x09b] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2024/03/13 | 20:15:18.0 | XRT_FLD_DIS_422_OG [0x1a6] | AOCU_NM | 5 | 02-76 | 00 00 00 56 35 |
| 2024/03/13 | 20:29:54.0 | XRT_ARS_DIS_427_OG [0x1ab] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2024/03/13 | 20:29:56.0 | XRT_FLRCTRL_DIS_449_OG [0x1c1] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2024/03/13 | 20:29:58.0 | XRT_QT_PROG_SET_428_OG [0x1ac] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2024/03/13 | 20:30:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 05 |
| 2024/03/13 | 22:14:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/03/13 | 22:14:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/13 | 22:14:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/13 | 22:15:00.0 | AOCS_Orе-point_Start_1_OG [0x097] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2024/03/13 | 22:15:18.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCU_NM | 5 | 02-76 | 04 03 74 01 db |
| 2024/03/13 | 22:15:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2024/03/13 | 22:15:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2024/03/13 | 22:15:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2024/03/13 | 22:15:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2024/03/13 | 22:17:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/03/13 | 22:17:58.0 | XRT_FL_PROG_SET_442_OG [0x1ba] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 03 |
| 2024/03/13 | 22:40:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 01 |
| 2024/03/13 | 22:41:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | |
| 2024/03/13 | 23:55:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/03/13 | 23:55:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/13 | 23:55:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/13 | 23:55:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/03/13 | 23:58:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/03/14 | 00:15:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/03/14 | 00:16:00.5 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | |
| 2024/03/14 | 01:32:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/03/14 | 01:32:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/14 | 01:32:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/14 | 01:32:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/03/14 | 01:35:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/03/14 | 01:39:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/03/14 | 01:40:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | |
| 2024/03/14 | 02:54:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/03/14 | 02:54:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/03/14 | 02:54:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |

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|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|--|--|--|
| 2024/03/14 | 02:54:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/14 | 02:57:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/03/14 | 03:14:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/03/14 | 03:15:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/14 | 03:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 03:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 03:59:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2024/03/14 | 04:00:00.0 | AOCS_Ore-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2024/03/14 | 04:00:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2024/03/14 | 04:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2024/03/14 | 04:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2024/03/14 | 04:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2024/03/14 | 04:00:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/14 | 04:02:56.0 | XRT_QT_PROG_SET_437_OG [0x1b5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0a | | | | |
| 2024/03/14 | 04:02:58.0 | XRT_FL_PROG_SET_442_OG [0x1ba] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 01 | | | | |
| 2024/03/14 | 04:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/14 | 04:28:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 04:28:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 04:28:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/14 | 04:28:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/03/14 | 04:31:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/03/14 | 04:51:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/14 | 04:52:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 05:29:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 05:29:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 05:29:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2024/03/14 | 05:30:18.0 | XRT_FLD_DIS_409_OG [0x199] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2024/03/14 | 05:30:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2024/03/14 | 05:30:22.0 | XRT_ARS_DIS_435_OG [0x1b3] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2024/03/14 | 05:32:58.0 | XRT_QT_PROG_SET_401_OG [0x191] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 | | | | |
| 2024/03/14 | 05:33:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/14 | 05:44:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 05:44:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 05:44:28.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2024/03/14 | 05:44:30.0 | AOCS_ORe-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 04 03 74 01 db | | | | |
| 2024/03/14 | 05:44:48.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2024/03/14 | 05:44:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2024/03/14 | 05:44:52.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2024/03/14 | 05:44:54.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2024/03/14 | 05:44:56.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/14 | 05:47:26.0 | XRT_QT_PROG_SET_426_OG [0x1aa] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 02 | | | | |
| 2024/03/14 | 05:47:28.0 | XRT_FL_PROG_SET_442_OG [0x1ba] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 01 | | | | |
| 2024/03/14 | 05:47:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/14 | 06:01:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 06:01:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 06:01:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/14 | 06:01:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |

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| 2024/03/14 | 06:04:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/03/14 | 06:28:30.5 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/03/14 | 06:29:30.5 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/14 | 07:41:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 07:41:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 07:41:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/14 | 07:41:06.0 | XRT_PREFLR_STRT_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/03/14 | 07:44:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/03/14 | 08:06:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/03/14 | 08:07:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/14 | 09:20:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 09:20:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 09:20:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/14 | 09:20:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/03/14 | 09:23:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/03/14 | 09:42:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/03/14 | 09:43:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/03/14 | 11:01:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 11:01:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 11:01:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/03/14 | 11:01:36.0 | XRT_PREFLR_STRT_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/03/14 | 11:04:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/03/14 | 11:13:00.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/03/14 | 11:35:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |