

XRT Timeline to be uploaded on 2024/05/09

Period: 2024/05/09 11:31:00 - 2024/05/14 11:18:00

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Normal mode

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

| Term | Pointing (x, y) | Comment |
|------------------------------------|--|---|
| 05/09 11:49:00 - 05/09 18:14:54 | Track (403.7, -335.8) <small>Ⓢ 05/09 11:41:00</small> | # OP start + 10min. AR 13664/13668 flare watch. |
| 05/09 22:43:00 - 05/10 06:27:54 | Track (483.1, -339.1) <small>Ⓢ 05/09 22:40:00</small> | # AR cont. |
| 05/10 06:41:00 - 05/10 17:09:54 | Track (537.2, -341.8) <small>Ⓢ 05/10 06:38:00</small> | # AR cont. |
| 05/11 02:04:30 - 05/11 05:44:54 | Track (654.8, -348.8) <small>Ⓢ 05/11 02:00:00</small> | # AR cont. |
| 05/11 05:58:00 - 05/11 11:09:30 | Track (675.9, -350.3) <small>Ⓢ 05/11 05:55:00</small> | # AR cont. |
| PROG= 08 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 #1D08: Synoptic for HOP448 w/ Al-mesh(3/128/723), Al-poly(5/181/1443), Thin-Be(24/512/4096), Thick-Be(32768), Med-Al(181/5795/32768), Med-Be(88/

| Term | Pointing (x, y) | Comment |
|----------------------------------|---|-----------------------------|
| 05/09 18:18:00 - 05/09 18:26:30 | Fixed (0.0, 0.0) | synoptic |
| 05/10 06:31:00 - 05/10 06:37:54 | Fixed (0.0, 0.0) | synoptic, shifted 28.0 min |
| 05/10 17:13:00 - 05/10 17:22:00 | Fixed (0.0, 0.0) | synoptic, shifted |
| 05/11 05:48:00 - 05/11 05:54:54 | Fixed (0.0, 0.0) | synoptic, shifted -15.0 min |
| PROG= 01 1-time(s) | | |
| Subr= 1 1-time(s) 2.0sec | | |
| Seqn= 5 1-time(s) 2.0sec | | |
| Open/Ti-poly | Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) | Q=98 0 0 2.0sec |
| Open/Ti-poly | Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) | Q=98 0 0 2.0sec |
| Open/Ti-poly | Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) | Q=98 0 0 2.0sec |
| Open/Ti-poly | Open/thick-Al close Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) | DPCM 0 0 2.0sec |
| Open/Ti-poly | Open/thick-Al close Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) | DPCM 0 0 2.0sec |
| Seqn= 55 1-time(s) 2.0sec | | |
| Open/Al-mesh | Open/Al-mesh close Safe Norm 2ms Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| Open/Al-mesh | Open/Al-mesh close Safe Norm 125ms Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| Open/Al-mesh | Open/Al-mesh close Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| Seqn= 98 1-time(s) 2.0sec | | |
| Al-poly/Open | Al-poly/Open close Safe Norm 5ms Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| Al-poly/Open | Al-poly/Open close Safe Norm 177ms Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| Al-poly/Open | Al-poly/thick-Al close Safe Norm 1.41s Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| Seqn= 76 1-time(s) 2.0sec | | |
| thin-Be/Open | thin-Be/Open close Safe Norm 24ms Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| thin-Be/Open | thin-Be/Open close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| thin-Be/Open | thin-Be/Open close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| Seqn= 23 1-time(s) 4.0sec | | |
| Open/G-band | Open/G-band open Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) | Q=90 0 0 2.0sec |
| Open/G-band | Open/G-band close Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| Subr= 2 1-time(s) 2.0sec | | |
| Seqn= 41 1-time(s) 2.0sec | | |
| Open/thick-Be | Open/thick-Be close Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024) | Q=98 0 0 2.0sec |
| Seqn= 18 1-time(s) 2.0sec | | |
| med-Al/Open | med-Al/thick-Al close Safe Norm 177ms Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| med-Al/Open | med-Al/Open close Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| med-Al/Open | med-Al/Open close Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| Seqn= 86 1-time(s) 2.0sec | | |
| med-Be/Open | Open/thick-Al close Safe Norm 86ms Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| med-Be/Open | med-Be/Open close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| med-Be/Open | med-Be/Open close Safe Norm 22.6s Obs 2x2 2048x2048 (1024, 1024) | Q=95 0 0 2.0sec |
| Default Filter | Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) | Comp. AEC Buffer Interval |

XOB #1D14: Stray light study 2024-1; Al-mesh and Al-poly, 2x2 full FOV(1min-cad) and 1x1 384 on AR(10sec-cad)

| Term | Pointing (x, y) | Comment |
|------|-----------------|---------|
|------|-----------------|---------|

| | | |
|--------------------------------------|----------------------|--|
| 05/09 18:29:00 - 05/09 18:39:54 | Fixed (0.0, 885.0) | # Stray light measurement N pole |
| 05/10 17:24:30 - 05/10 17:39:54 | Fixed (0.0, -970.0) | # Stray light measurement at S pole |
| PROG= 10 1-time(s) | | |
| └ Subr= 2 16-time(s) 2.0sec | | |
| └└ Seqn= 40 1-time(s) 10.0sec | | |
| Open/Al-mesh | Open/thick-Al close | Safe Norm 2.83s Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec |
| Open/G-band | Open/G-band close | Safe Norm 1ms Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec |
| └ Subr= 3 9-time(s) 2.0sec | | |
| └└ Seqn= 31 1-time(s) 2.0sec | | |
| Open/Al-mesh | Open/Ti-poly close | Safe Norm 1.41s Obs 2x2 2048x2048 (1024, 1024) DPCM 0 0 2.0sec |
| Al-poly/Open | Al-poly/Open close | Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) DPCM 0 0 2.0sec |
| └└ Seqn= 40 3-time(s) 10.0sec | | |
| Open/Al-mesh | Open/thick-Al close | Safe Norm 2.83s Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec |
| Open/G-band | Open/G-band close | Safe Norm 1ms Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec |
| Default Filter | Thicker Filter VLS | mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval |

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

| | | |
|--------------------------------------|---------------------|--|
| Term | Pointing (x, y) | Comment |
| 05/09 18:55:00 - 05/09 20:39:54 | Fixed (0.0, 930.0) | # Coalignment at N pole |
| PROG= 16 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

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|--------------------------------------|----------------------|--|
| Term | Pointing (x, y) | Comment |
| 05/09 20:55:00 - 05/09 22:39:54 | Fixed (-970.0, 0.0) | # Coalignment at E limb |
| 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 #1CDE: HOP393/336 - 4x4 - Full Sun double long/short pair AEC 2/3 - Al-poly - Dark (512ms) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 7

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|--------------------------------------|---------------------|--|
| Term | Pointing (x, y) | Comment |
| 05/10 18:01:31 - 05/10 22:59:54 | Fixed (-21.0, 2.4) | # HOP 393 |
| PROG= 07 Inf.-time(s) | | |
| └ Subr= 1 1-time(s) 2.0sec | | |
| └└ Seqn= 30 1-time(s) 2.0sec | | |
| Open/G-band | Open/G-band open | Safe Norm 1ms Obs 1x1 512x512 (1024, 1024) Q=90 0 0 2.0sec |
| Open/G-band | Open/G-band close | Safe Norm 1ms Obs 1x1 512x512 (1024, 1024) Q=95 0 0 2.0sec |
| └└ Seqn= 52 1-time(s) 2.0sec | | |
| Al-poly/Open | Al-poly/Open close | Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) DPCM 0 0 2.0sec |
| └ Subr= 2 30-time(s) 720.0sec | | |
| └└ Seqn= 97 2-time(s) 2.0sec | | |
| Al-poly/Open | med-Be/Open close | Safe Norm 125ms Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec |
| Al-poly/Open | med-Be/Open close | Safe Norm 500ms Obs 4x4 2048x2048 (1024, 1024) DPCM 2 0 2.0sec |
| Default Filter | Thicker Filter VLS | mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval |

XOB #1C10: CME watch - 4x4 - AEC 2 - Al-poly - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 60s cad

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|-------------------------------------|--|--|
| Term | Pointing (x, y) | Comment |
| 05/10 23:03:00 - 05/11 01:36:00 | Track (745.4, -82.0) @ 05/10 23:00:00 | # HOP 473 |
| PROG= 13 Inf.-time(s) | | |
| └ Subr= 1 60-time(s) 60.0sec | | |
| └└ Seqn= 39 1-time(s) 4.0sec | | |
| Al-poly/Open | thin-Be/Open close | Safe Norm 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 2 0 2.0sec |
| └ Subr= 2 1-time(s) 2.0sec | | |
| └└ Seqn= 30 1-time(s) 2.0sec | | |
| Open/G-band | Open/G-band open | Safe Norm 1ms Obs 1x1 512x512 (1024, 1024) Q=90 0 0 2.0sec |
| Open/G-band | Open/G-band close | Safe Norm 1ms Obs 1x1 512x512 (1024, 1024) Q=95 0 0 2.0sec |
| Default Filter | Thicker Filter VLS | mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval |

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Flare mode

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

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|------|-----------------|---------|
| Term | Pointing (x, y) | Comment |
|------|-----------------|---------|

05/09 11:49:00 - 05/09 18:14:54 Track (403.7, -335.8) @ 05/09 11:41:00 # OP start + 10min. AR 13664/13668 flare watch.
 05/09 22:43:00 - 05/10 06:27:54 Track (483.1, -339.1) @ 05/09 22:40:00 # AR cont.
 05/10 06:41:00 - 05/10 17:09:54 Track (537.2, -341.8) @ 05/10 06:38:00 # AR cont.
 05/10 18:01:31 - 05/10 22:59:54 Fixed (-21.0, 2.4) # HOP 393
 05/10 23:03:00 - 05/11 01:36:00 Track (745.4, -82.0) @ 05/10 23:00:00 # HOP 473
 05/11 02:04:30 - 05/11 05:44:54 Track (654.8, -348.8) @ 05/11 02:00:00 # AR cont.
 05/11 05:58:00 - 05/11 11:09:30 Track (675.9, -350.3) @ 05/11 05:55:00 # AR cont.

PROG= 14 30-time(s)

| | | | | | | | | | | | | | | |
|-----------------------------------|----------------|----------------------------------|------------------------|--------------|------------------------|-------|---------|----------------------|---------|----------------------|----------|--------|---|--------|
| Subr= 1 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= 2 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 | | | |

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Active Region Search

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NOT USED

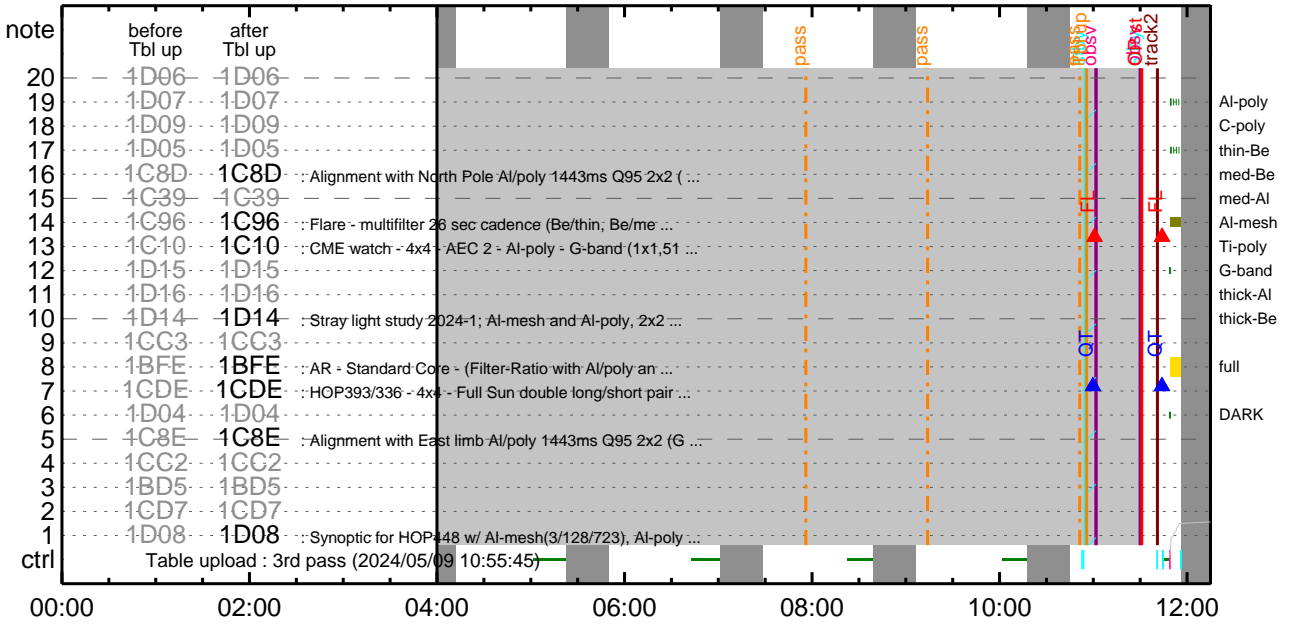
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Flare Detection

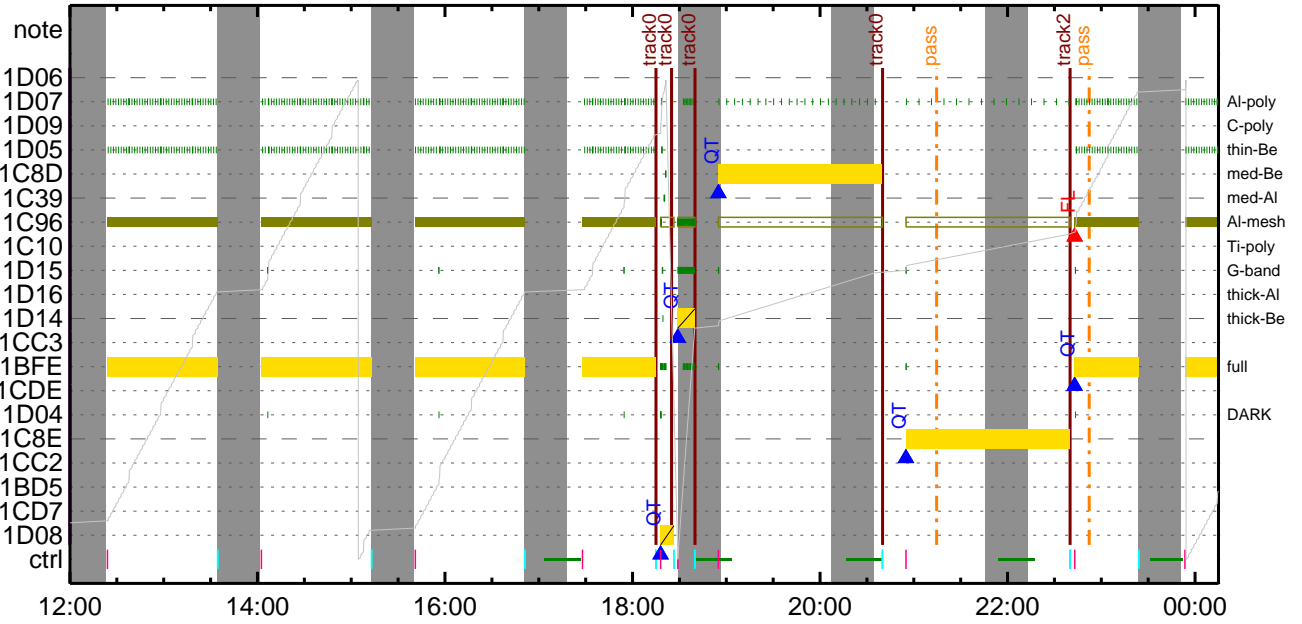
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| FLD Patrol | | | | | | | | | | | | | |
|---------------------------------|----------------|------------------------|------|------------------|------|------------|------|--------------------|-------|------------|----------|--|--|
| Term | | Pointing (x, y) | | | | | | Comment | | | | | |
| 05/09 10:56:45 - 05/09 18:15:18 | | cannot be identified | | | | | | | | | | | |
| 05/09 22:40:18 - 05/10 06:28:18 | | Track (483.1, -339.1) | | @ 05/09 22:40:00 | | # AR cont. | | | | | | | |
| 05/10 06:38:18 - 05/10 17:10:18 | | Track (537.2, -341.8) | | @ 05/10 06:38:00 | | # AR cont. | | | | | | | |
| 05/10 17:40:18 - 05/11 05:45:18 | | Fixed (-21.0, 2.4) | | | | # HOP 393 | | | | | | | |
| 05/11 05:55:18 - 05/14 11:18:00 | | Track (675.9, -350.3) | | @ 05/11 05:55:00 | | # AR cont. | | | | | | | |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 4ms | Obs 8x8 | Q=50 | 30sec | | | | | |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | | |

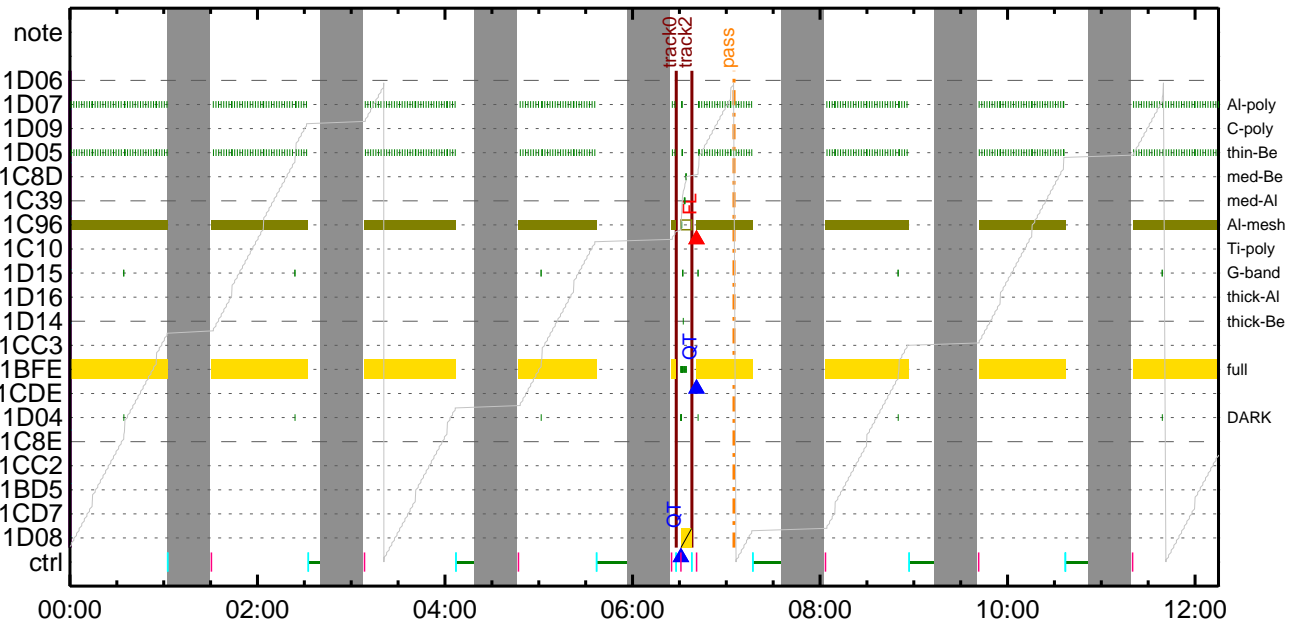
CMDI #0805 2024/05/09



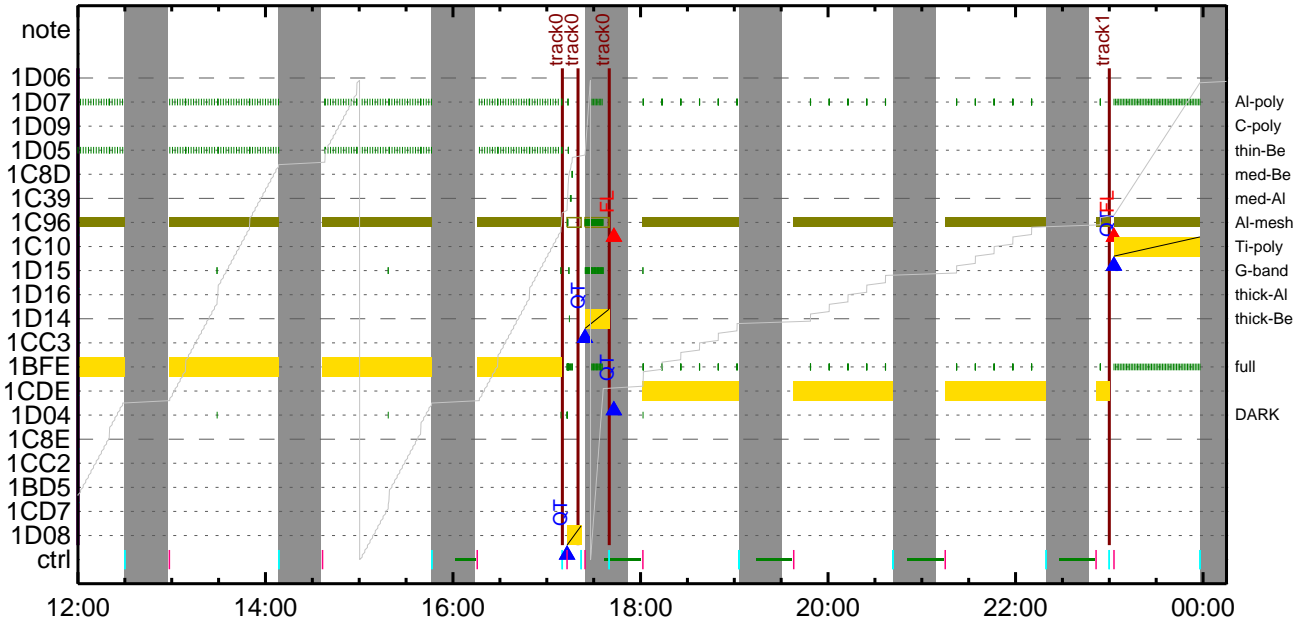
CMDI #0805 2024/05/09



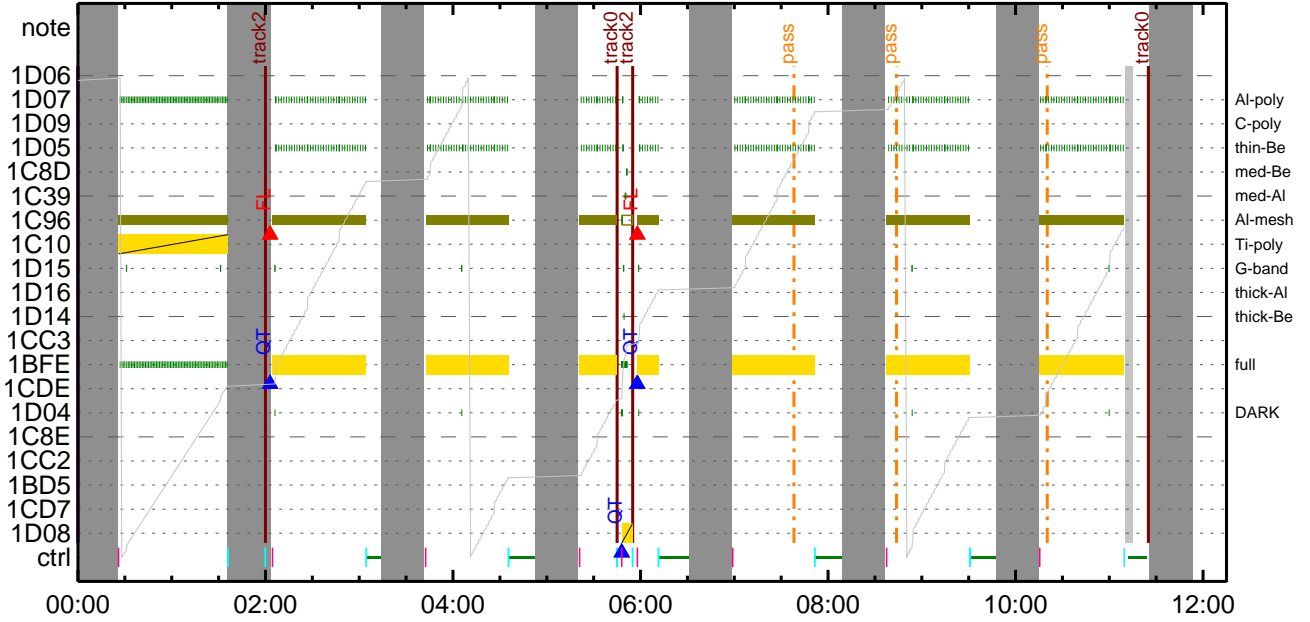
CMDI #0805 2024/05/10



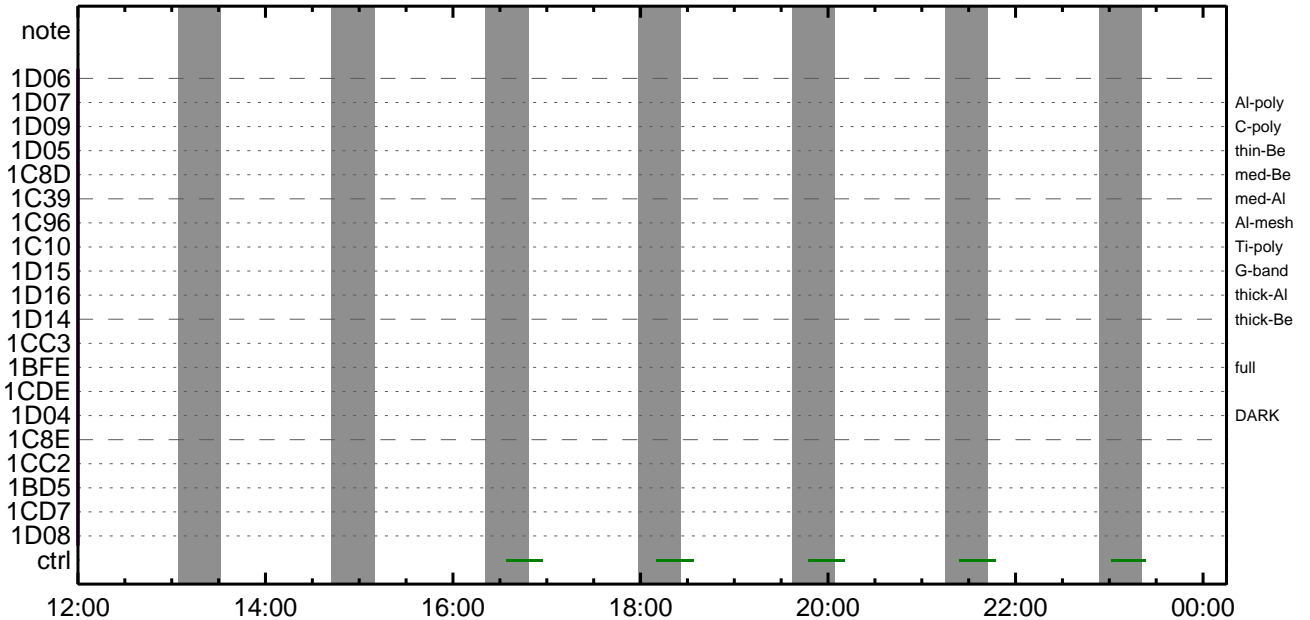
CMDI #0805 2024/05/10



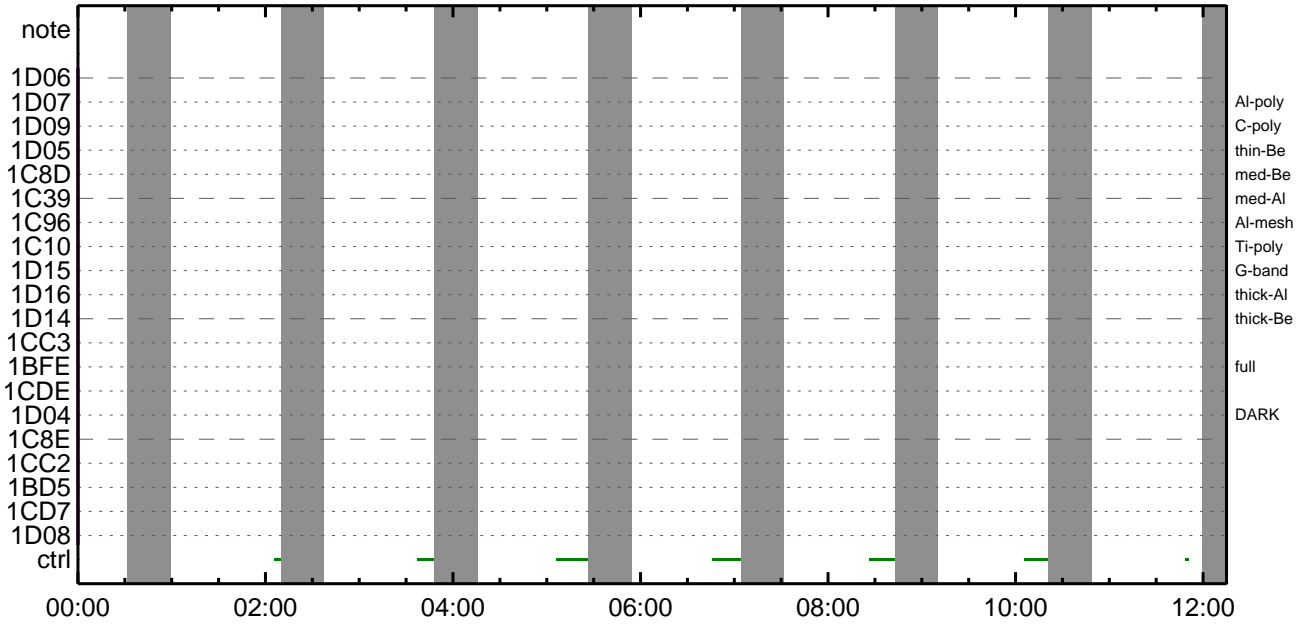
CMDI #0805 2024/05/11



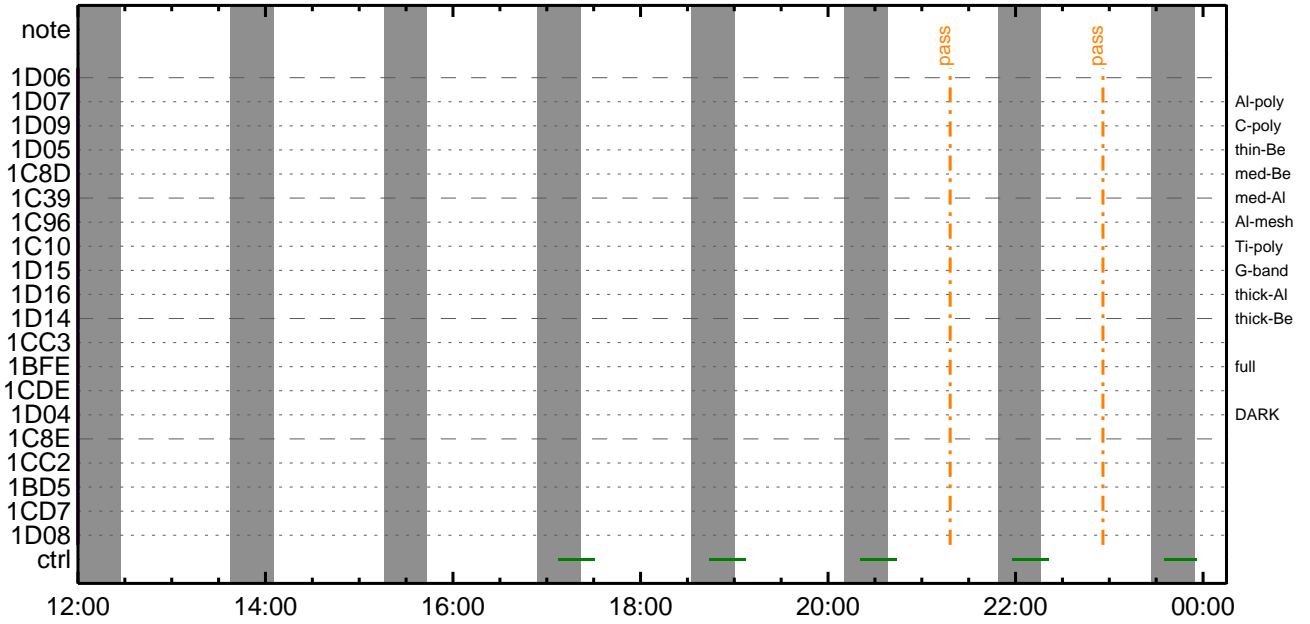
CMDI #0805 2024/05/11



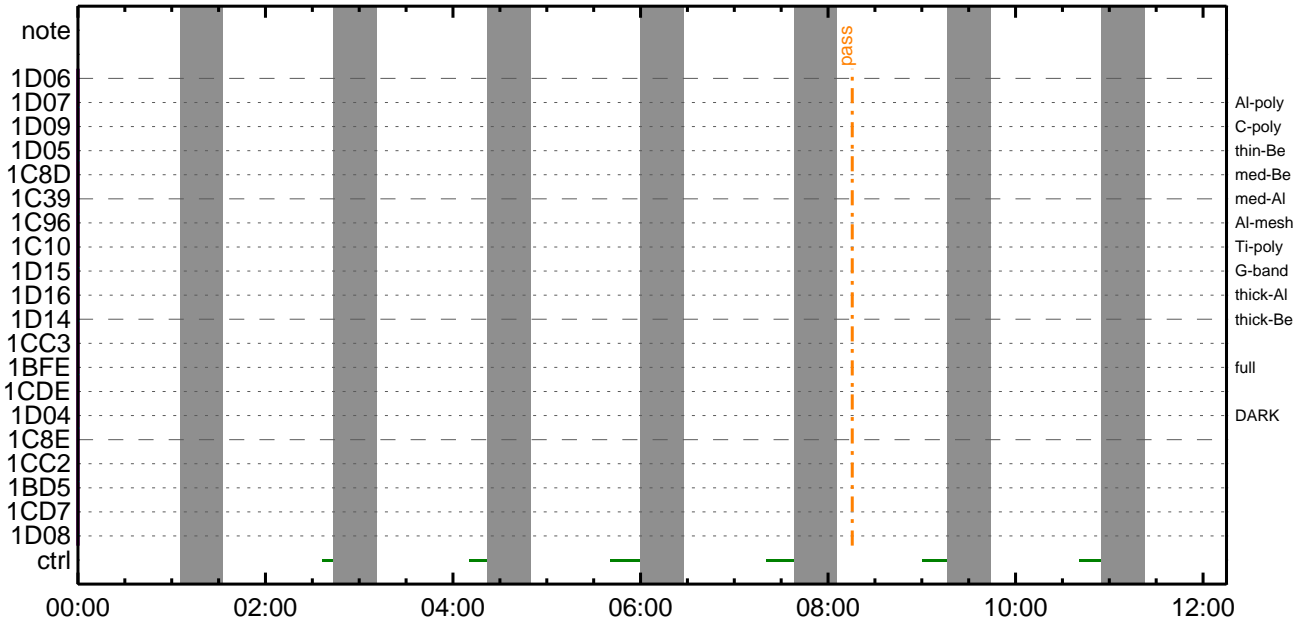
CMDI #0805 2024/05/12



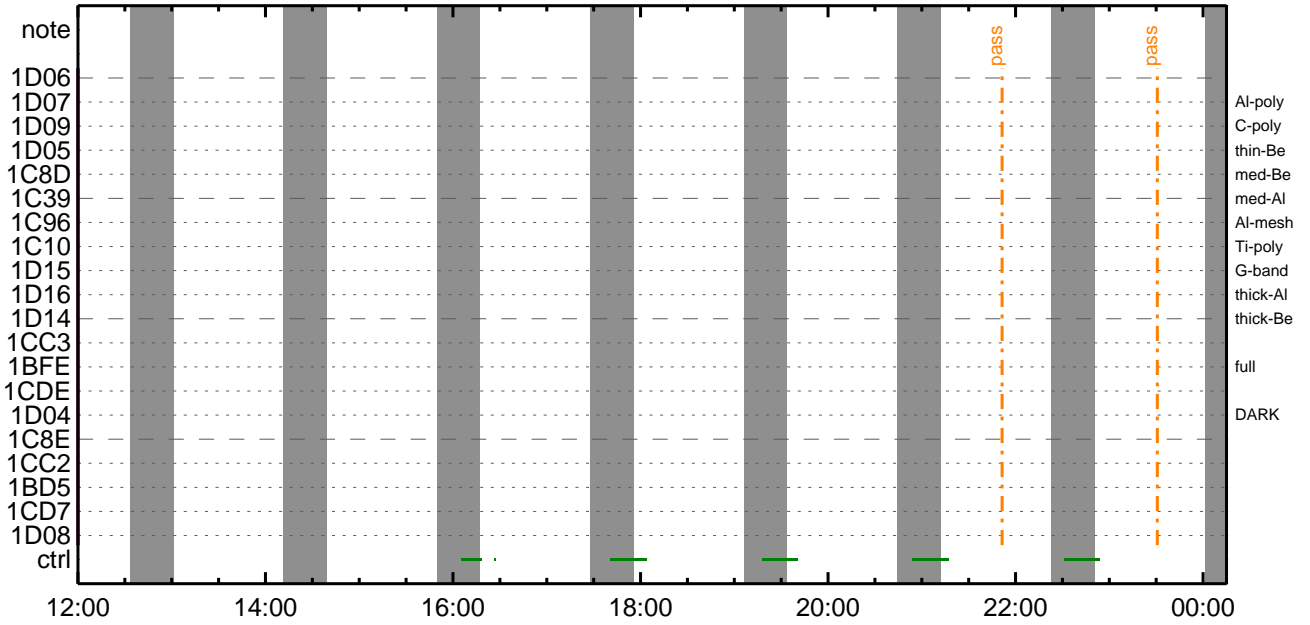
CMDI #0805 2024/05/12



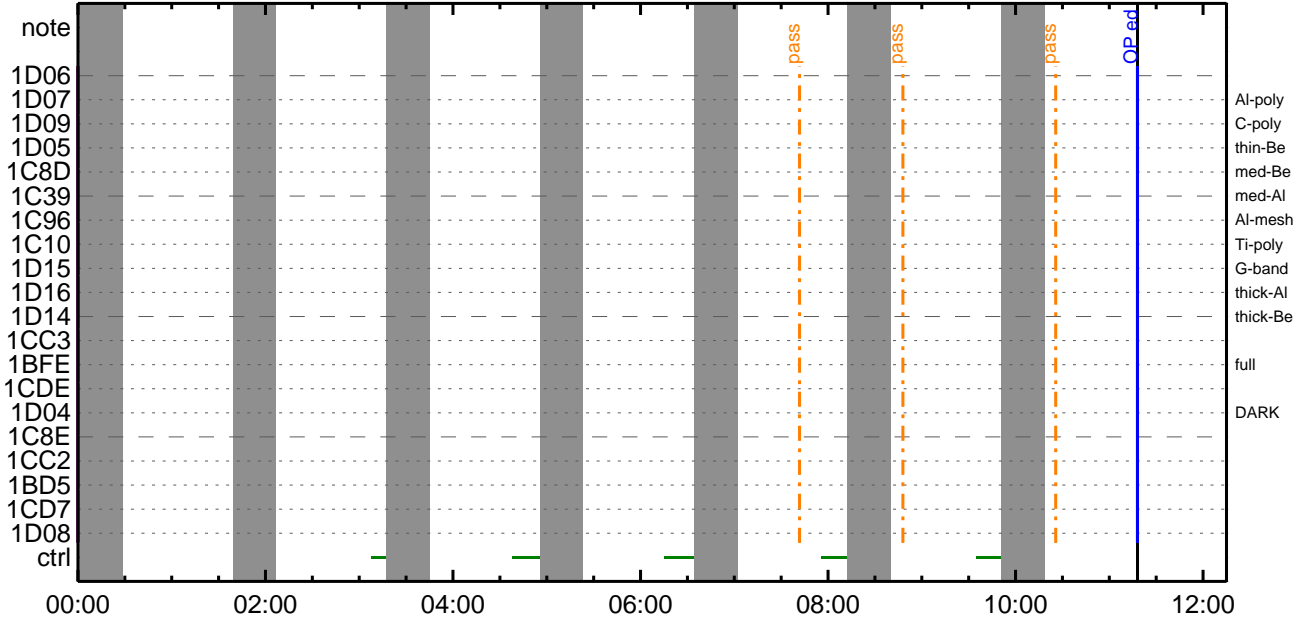
CMDI #0805 2024/05/13



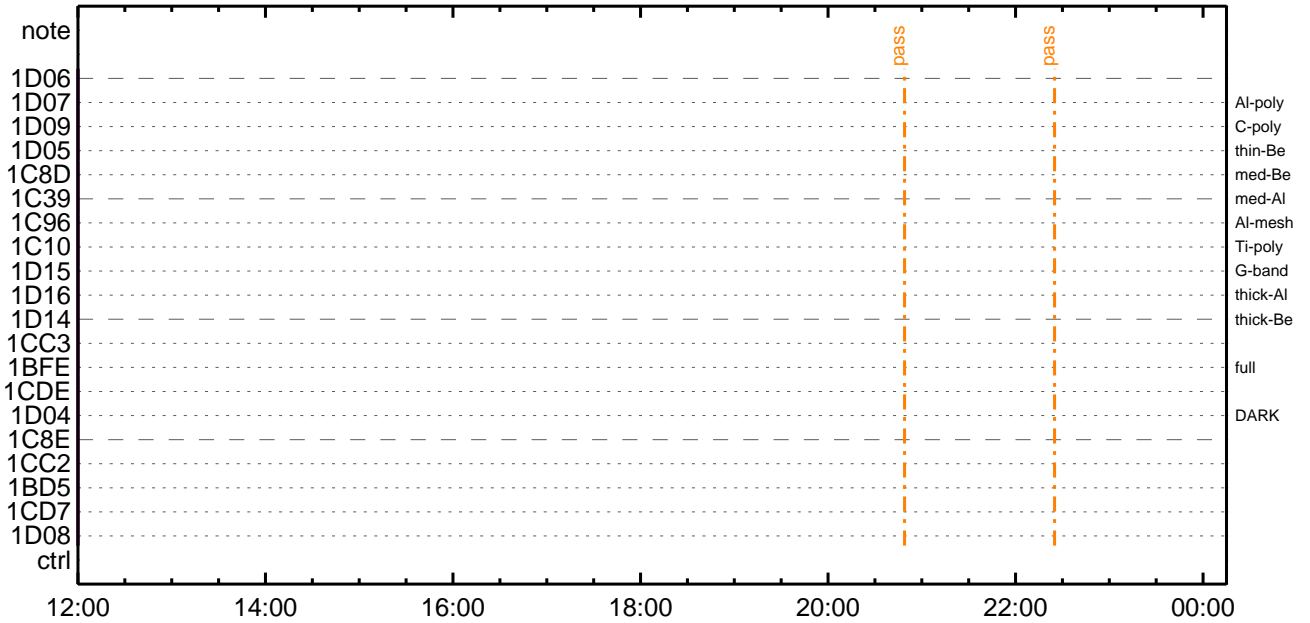
CMDI #0805 2024/05/13



CMDI #0805 2024/05/14



CMDI #0805 2024/05/14



0096 C. ... SET EDUMP ...
0097 C.
0098 . C. TI 2024-05-09 11:26:00.0
0099 +. TI 2024-05-09 11:26:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C. [HK1_TI_CMD_NUM] EQ 1COUNTUP
0102 C.
0103 +. TI 2024-05-09 11:26:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C. [HK1_TI_CMD_NUM] EQ 1COUNTUP
0106 C.
0107 +. TI 2024-05-09 11:26:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C. [HK1_TI_CMD_NUM] EQ 1COUNTUP
0110 C.
0111 +. TI 2024-05-09 11:30:59.5
0112 DC 01-B2 DHU_OP_START
0113 C. [HK1_TI_CMD_NUM] EQ 1COUNTUP
0114 C.
0115 C. ...
0116 C. [HK1_TI_CMD_ENA/DIS] EQ ENA
0117 C. [HK1_TI_CMD_NUM] EQ 4
0118 C. [HK1_NEXT_EXEC_PIM] EQ DHU
0119 C. [HK1_NEXT_EXEC_DC] EQ 0xB3
0120 C.
0121 . C. *****
0122 C. TI ...
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. [HK1_DMP_TOP_ADRS_1] EQ 07
0129 C. [HK1_DMP_TOP_ADRS_0] EQ 2B
0130 C. [HK1_DMP_BLOCK_NUM] EQ 3
0131 C. [HK1_DMP_REPEAT_NUM] EQ 0
0132 C. [HK1_DMA_DMP_PIM] EQ DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC (07 0b f8)
0135 C. [HK1_PKT_FORM_NO] EQ 7
0136 C. [HK1_PKT_GEN_TIME] EQ 0.25 s
0137 C. [HK1_S_TLM_BIT_RATE] EQ 32k
0138 C. [HK1_X_TLM_BIT_RATE] EQ 4M
0139 C. [HK1_DMP_CHK_FLG] EQ EXEC
0140 C.
0141 . C. ...
0142 C. [HK1_DMP_CHK_FLG] EQ NON
0143 C.
0144 . C. RAM ID=TI_TBL ...
0145 C.
0146 . C. DHU ...
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC (02 0a f8)
0149 C. [HK1_PKT_FORM_NO] EQ 2
0150 C. [HK1_PKT_GEN_TIME] EQ 0.5S
0151 C. [HK1_S_TLM_BIT_RATE] EQ 32K
0152 C. [HK1_X_TLM_BIT_RATE] EQ 4M
0153 C.
0154 C. *****
0155 C. SOT TI command set
0156 C. *****
0157 C. Execute, after the success of OP upload.
0158 +. TI 2024-05-09 11:30:16.0
0159 DC 07-F0 MDP_SOT_MODE_STBY
0160 BC (41)
0161 . C. -----
0162 C. HK1_TI_CMD_NUM = 1 CNTUP []
0163 C. -----
0164 C. ***** SOT END *****
0165 . C. Stop EIS observation and temporarily disable EIS mode changes
0166 C.
0167 C.
0168 C. ***** Start EIS operation (TI set) *****
0169 C. Execute, after the success of OP upload.
0170 C. Set EIS TI-commands
0171 +. TI 2024-05-09 11:30:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC (21 02)
0174 +. TI 2024-05-09 11:30:40.0
0175 DC 07-FC EIS_MODE_CHG_DIS
0176 BC (22)
0177 . C. [] [HK1_TI_CMD_NUM] EQ 2 COUNTUP
0178 C. ***** End EIS operation (TI set) *****
0179 C.
0180 C.
0181 C.
0182 C. ***** XRT START *****
0183 C. Execute, after the success of OP upload.
0184 +. TI 2024-05-09 11:30:00.0
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 ... *****
0192 C. (...)
0193 . S. DC-BC dcbc-402:DCBC

```
0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥Ð¥¹•Ï Daily±;ÍÑ«Ë'Ø«¹«èDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ä
0203 C.
0204 . C. ***** LOS *****
0205 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-549 2024-05-09 13:01:03 201 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÁY~¼Á»Û;ä
0005 C.
0006 C. YÀYß;¼Y³YDÝÓYÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Ëµ¿µÄµ•µ°Ë>Í×ÁÇµÍYÇYÁY×Yí;¼YÉ;ËËÈµ•íÍË;ËËÈ¼°ÇÖµ•µ¿¼í¹ÇµÍ; ÇÁ®, ùµ¹µÈµDµÇÁ÷¿®µ•µËµµµ³µÈ; £
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ÷¿µ;ON
0016 C. *****
0017 C. Ç° ÒÈÀ, Í×ËÝµÄLOSµDµÇµÍ»p´Öµò¹íÍ, µ•; ÇÉÖÍ×µÈXÁÓONµÍ¹ÖµÈµÍµËµµµ³µÈ; £
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. XYDÝÓYÉYíYÁY~¾ÖÁÖµ¬°ÄÄÈµ•µ¿µé; Ç°Ë²¼µÍ°ÈÀ, ¼È½Çµò¼Á¹Öµ¹µé; £
0030 C.
0031 . C. *****
0032 C. DR PT1 Áí¼í°ÈÀ,
0033 C. *****
0034 C. Ç° RESTART;ËPT1;Ëµ•µ¿µ¾¼í¹ÇµÍ; Ç°Ë²¼µÍ¼Á¹Öµµ°; ÇDCBC-150µØ¿ËÈµà; £
0035 C.
0036 . C. ;ãPT1°ÈÀ, ³«»Í;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 (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. ;ãYÇYÓYÉYËÁÚÁØ;ËÁ•Á°²óÈò;Ë, áµÍ°ÈÀ, °Ë³«;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 (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°ÈÀ, µ¬¼«°ÈÁ»ßµ•µ¿, á; Ç°Ë²¼µò¼Á¹Öµ¹µé; £
0055 C. YÇYÓYÉYËÁÚÁØµÄÁ•Á°²óÈòµ¬¼áµ¾¼í¹ÇµÍ´°Í°Í»µ¹µÈµDµÇÁÖµÄ; £
0056 C.
0057 . C. *****
0058 C. DR PT2 Áí¼í°ÈÀ,
0059 C. *****
0060 C. Ç° RESTART;ËPT2;Ëµ•µ¿µ¾¼í¹ÇµÍ; Ç°Ë²¼µÍ¼Á¹Öµµ°; ÇDCBC-151µØ¿ËÈµà; £
0061 C.
0062 . C. ;ãPT2°ÈÀ, ³«»Í;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 (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. ;ãYÇYÓYÉYËÁÚÁØ;ËÁ•Á°²óÈò;Ë, áµÍ°ÈÀ, °Ë³«;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 (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°ÈÀ, Áá»ß; ÇXÁ÷¿µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÈÀ, Áá»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. ;ãXÁ÷¿µ;OFF;ä
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 + DC 03-B5 TCIA_XPA_OFF
0094 C. ÇÇ [HK1_XMOD_ON/OFF] EQ OFF
0095 C. ÇÇ [HK1_XPA_ON/OFF] EQ 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. *****
0130 C. SOT table upload
0131 C. *****
0132 . C. < Stop SP table >
0133 +. DC 07-F0 MDP_SP_CTRL_MANU
0134 BC (61)
0135 C. -----
0136 C. MDP_SP_CTRL_MODE = MANU [ ]
0137 C. -----
0138 C.
0139 . C. <Upload SP Observation Table>
0140 . S. RAM ram-283:MDP_OBS_S
0141 ()
0142 C.
0143 . C. < Dump RAMID=MDP_OBS_S >
0144 +. DC 07-F0 MDP_DUMP_SPTBL
0145 BC (83 07 00 00 00 38 b8)
0146 C. -----
0147 C. MDP_OBS_S verify = OK/NG [ ]
0148 C. -----
0149 C.
0150 C. *****
0151 C. SOT TI command set
0152 C. *****
0153 C. Execute, after the success of TBL upload.
0154 +. TI 2024-05-09 11:30:18.0
0155 DC 07-F0 MDP_SOT_MODE_OBSV
0156 BC (40)
0157 . C. -----
0158 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0159 C. -----
0160 C.
0161 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0162 +. DC 07-FC EIS_MODE_CHG_ENA
0163 BC (20)
0164 . C. Verify EIS_MODE_CHG_FLG is ENA
0165 +. DC 07-FC EIS_MODE_MANU
0166 BC (21 02)
0167 . C. Verify EIS in MANUAL mode
0168 C. Estimated OBSTBL upload time is 21s
0169 C. *****
0170 C. EIS START OBSTBL LOAD
0171 C. *****
0172 . S. RAM ram-820:EIS_OBSTBL
0173 ()
0174 +. DC 07-FC EIS_DUMP_OBSTBL
0175 BC (07 07 07 00 00 70 00)
0176 C.
0177 C. Execute, after the success of OBSTBL upload.
0178 C. Set EIS TI-commands
0179 +. TI 2024-05-09 11:30:50.0
0180 DC 07-FC EIS_MODE_CHG_ENA
0181 BC (20)
0182 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0183 C. *****
0184 C. EIS END OBSTBL LOAD
0185 C. *****
0186 C.
0187 . C. ***** MDP 'ũÃîñÎ»ö¼ÝñÊÃÐñ¹ñèDCBC•×²è *****
0188 C. (¾â°î¥ÓÿÄÿËÿÐÿËÿâÿçÿËÿñÿËÿ¼¾ñ¼Ä»Ûñ¹ñè)
0189 . S. DC-BC dcbbc-402:DCBC
0190 (MDP_known_event)
0191 C.
0192 C.
0193 . C. ***** ¥Ðÿ¹!•ï Daily±¿ĴññÊ'Øñ¹ñèDCBC•×²è *****

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0194 . S. DC-BC dcbc-153:DCBC
0195 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0196 C.
0197 C.
0198 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ä
0199 C.
0200 . C. ***** LOS *****
0201 C.

(a) Spacecraft Operation Procedure (real-commands)

```
main-550 2024-05-09 13:01:03 104 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~¼Á»Û;ä
0005 C.
0006 C. YÁY$;¼Y³YD¥óYÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Ë¼¿¼Á¼•µ°Ë¼Í×ÁÇ¼ÍY¿YÁY×Yí;¼YÉ;ËË¼µ•íË;Ë¼Ë¼°ÇÖ¼•¼¿¼í¹Ç¼Í;çÁ®, ù¼¹¼Ë¼D¼ÇÁ÷¿®¼•¼Ë¼¼¼¼³¼Ë;¼
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 +. DC 07-F0 MDP_XRT_CTRL_MANU
0020 BC (c1)
0021 + DC 07-F0 MDP_XRT_MODE_STBY
0022 BC (c3)
0023 . C. ----- Success Verify ? OK / NG____
0024 C.
0025 C. XRT Obs. Table Upload
0026 . S. RAM ram-291:MDP_OBS_X
0027 ()
0028 C.
0029 +. DC 07-F0 MDP_DUMP_XRTTBL
0030 BC (84 07 00 00 00 3a d4)
0031 . C. ----- Comparison Check ? OK / ERR ____
0032 C.
0033 C.
0034 +. DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 01 b1 b1 04 04)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 02 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 03 b1 b1 08 08)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 04 b1 b1 06 06)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 06 85 83 06 06)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 07 80 80 20 20)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 08 80 80 20 08)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 09 80 80 08 20)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0a 80 80 06 06)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0b 80 60 20 18)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0c a0 80 18 20)
0056 + DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 0d 80 80 08 08)
0058 + DC 07-F0 MDP_XRT_ROI_SET
0059 BC (cd 0f 80 80 06 06)
0060 + DC 07-F0 MDP_XRT_ROI_SET
0061 BC (cd 10 80 80 08 08)
0062 + DC 07-F0 MDP_XRT_FLD_ENA
0063 BC (d8)
0064 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0065 BC (c8)
0066 + DC 07-F0 MDP_XRT_ARS_DIS
0067 BC (d5)
0068 + DC 07-F0 MDP_XRT_AEC_RESET
0069 BC (d0)
0070 + DC 07-F0 MDP_XRT_FLD_RESET
0071 BC (da)
0072 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0073 BC (c4 08)
0074 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0075 BC (c5 0e)
0076 . C. ----- Success Verify ? OK / NG ____
0077 C.
0078 C.
0079 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0080 C.
0081 +. DC 07-F0 MDP_XRT_MODE_OBSV
0082 BC (c2)
0083 +. TI 2024-05-09 11:30:02.0
0084 DC 07-F0 MDP_XRT_MODE_OBSV
0085 BC (c2)
0086 . C. ----- Success Verify ? OK / NG ____
0087 C.
0088 C. ***** XRT END *****
0089 C.
0090 . C. ***** MDP 'úÁí¼Í»ó¼Y¼ËÁD¼¼¼¼DCBC•×²è *****
0091 C. (%ã°íYÓYÁYÉYD¥YÉYÁY¿YÉ¼Ë¼¼¼¼Á»Û¼¼¼)
0092 . S. DC-BC dcbc-402:DCBC
0093 (MDP_known_event)
0094 C.
0095 C.
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0096 . C. ***** ¥ÐŸ!•Ï Daily±;ÍÑ«Ë'Ø«¹«èDCBC•x²è *****
0097 . S. DC-BC dcbc-153:DCBC
0098 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0099 C.
0100 C.
0101 . C. ;ãLOS¥Á¥S¥ÃŸ~¼Â»Ü;ä
0102 C.
0103 . C. ***** LOS *****
0104 C.
```

*** OP Sequence for XRT ***

| | | | | | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2024/05/09 | 11:40:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/09 | 11:40:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/09 | 11:40:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2024/05/09 | 11:41:00.0 | AOCS_Ore-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 02 04 5a 01 db | | | | |
| 2024/05/09 | 11:41:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2024/05/09 | 11:41:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2024/05/09 | 11:41:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2024/05/09 | 11:41:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2024/05/09 | 11:41:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/05/09 | 11:43:56.0 | XRT_QT_PROG_SET_441_OG [0x1b9] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 08 | | | | |
| 2024/05/09 | 11:43:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0e | | | | |
| 2024/05/09 | 11:44:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/09 | 11:44:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/09 | 11:44:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/05/09 | 11:44:36.0 | XRT_PREFLR_STRT_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/05/09 | 11:47:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/05/09 | 11:48:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/05/09 | 11:49:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/05/09 | 11:56:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/09 | 11:56:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/09 | 11:56:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/05/09 | 11:56:06.0 | XRT_PREFLR_STRT_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/05/09 | 11:59:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/05/09 | 12:23:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/05/09 | 12:24:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/05/09 | 13:34:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/09 | 13:34:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/09 | 13:34:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/05/09 | 13:34:36.0 | XRT_PREFLR_STRT_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/05/09 | 13:37:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/05/09 | 14:01:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/05/09 | 14:02:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/05/09 | 15:13:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/09 | 15:13:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/09 | 15:13:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/05/09 | 15:13:06.0 | XRT_PREFLR_STRT_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/05/09 | 15:16:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/05/09 | 15:40:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/05/09 | 15:41:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/05/09 | 16:51:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/09 | 16:51:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/09 | 16:51:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/05/09 | 16:51:06.0 | XRT_PREFLR_STRT_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/05/09 | 16:54:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/05/09 | 17:27:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/05/09 | 17:28:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/05/09 | 18:14:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/09 | 18:14:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----|----|----|----|
| 2024/05/09 | 18:14:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |
| 2024/05/09 | 18:15:00.0 | AOCs_Ore-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 |
| 2024/05/09 | 18:15:18.0 | XRT_FLD_DIS_409_OG [0x199] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | |
| 2024/05/09 | 18:15:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | |
| 2024/05/09 | 18:15:22.0 | XRT_ARS_DIS_435_OG [0x1b3] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2024/05/09 | 18:17:58.0 | XRT_QT_PROG_SET_420_OG [0x1a4] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 01 | | |
| 2024/05/09 | 18:18:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2024/05/09 | 18:25:00.0 | AOCs_Ore-point_Start_3_OG [0x099] | AOCU_NM | 5 | 02-76 | 00 | b1 | 59 | 00 |
| 2024/05/09 | 18:26:30.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2024/05/09 | 18:26:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2024/05/09 | 18:26:34.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |
| 2024/05/09 | 18:26:54.0 | XRT_FLD_DIS_442_OG [0x1ba] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | |
| 2024/05/09 | 18:28:54.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | |
| 2024/05/09 | 18:28:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2024/05/09 | 18:28:58.0 | XRT_QT_PROG_SET_416_OG [0x1a0] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0a | | |
| 2024/05/09 | 18:29:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2024/05/09 | 18:39:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2024/05/09 | 18:39:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2024/05/09 | 18:39:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2024/05/09 | 18:40:00.0 | AOCs_Ore-point_Start_4_OG [0x09a] | AOCU_NM | 5 | 02-76 | 00 | ad | 59 | 00 |
| 2024/05/09 | 18:40:18.0 | XRT_FLD_DIS_428_OG [0x1ac] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | |
| 2024/05/09 | 18:54:54.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | |
| 2024/05/09 | 18:54:56.0 | XRT_ARS_DIS_427_OG [0x1ab] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2024/05/09 | 18:54:58.0 | XRT_QT_PROG_SET_437_OG [0x1b5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 10 | | |
| 2024/05/09 | 18:55:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2024/05/09 | 20:39:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2024/05/09 | 20:39:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2024/05/09 | 20:39:58.0 | XRT_FOCUS_POSITION_426_OG [0x1aa] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2024/05/09 | 20:40:00.0 | AOCs_Ore-point_Start_5_OG [0x09b] | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 56 |
| 2024/05/09 | 20:40:18.0 | XRT_FLD_DIS_428_OG [0x1ac] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | |
| 2024/05/09 | 20:54:54.0 | XRT_ARS_DIS_427_OG [0x1ab] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2024/05/09 | 20:54:56.0 | XRT_FLRCTRL_DIS_449_OG [0x1c1] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | |
| 2024/05/09 | 20:54:58.0 | XRT_QT_PROG_SET_433_OG [0x1b1] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 05 | | |
| 2024/05/09 | 20:55:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2024/05/09 | 22:39:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2024/05/09 | 22:39:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2024/05/09 | 22:39:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2024/05/09 | 22:40:00.0 | AOCs_Ore-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 02 | 04 | 5a | 01 |
| 2024/05/09 | 22:40:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | |
| 2024/05/09 | 22:40:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | |
| 2024/05/09 | 22:40:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | |
| 2024/05/09 | 22:40:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2024/05/09 | 22:40:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2024/05/09 | 22:42:56.0 | XRT_QT_PROG_SET_441_OG [0x1b9] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 08 | | |
| 2024/05/09 | 22:42:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0e | | |
| 2024/05/09 | 22:43:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2024/05/09 | 23:24:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |

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| 2024/05/09 | 23:24:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/09 | 23:24:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/09 | 23:24:06.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2024/05/09 | 23:27:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2024/05/09 | 23:52:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2024/05/09 | 23:53:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2024/05/10 | 01:02:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 01:02:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 01:02:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 01:02:36.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2024/05/10 | 01:05:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2024/05/10 | 01:29:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2024/05/10 | 01:30:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2024/05/10 | 02:32:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 02:32:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 02:32:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 02:32:36.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2024/05/10 | 02:35:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2024/05/10 | 03:07:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2024/05/10 | 03:08:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2024/05/10 | 04:07:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 04:07:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 04:07:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 04:07:06.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2024/05/10 | 04:10:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2024/05/10 | 04:46:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2024/05/10 | 04:47:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2024/05/10 | 05:37:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 05:37:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 05:37:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 05:37:06.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2024/05/10 | 05:40:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2024/05/10 | 06:24:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2024/05/10 | 06:25:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2024/05/10 | 06:27:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2024/05/10 | 06:27:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 06:27:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 06:28:00.0 | AOCS_OrE-point_Start_2_OG [0x098] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2024/05/10 | 06:28:18.0 | XRT_FLD_DIS_409_OG [0x199] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | |
| 2024/05/10 | 06:28:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2024/05/10 | 06:28:22.0 | XRT_ARS_DIS_435_OG [0x1b3] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2024/05/10 | 06:30:58.0 | XRT_QT_PROG_SET_420_OG [0x1a4] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2024/05/10 | 06:31:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 01 | |
| 2024/05/10 | 06:37:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2024/05/10 | 06:37:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 06:37:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2024/05/10 | 06:38:00.0 | AOCS_OrE-point_Start_1_OG [0x097] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | |
| 2024/05/10 | 06:38:18.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCU_NM | 5 | 02-76 | 02 04 5a 01 db | |
| 2024/05/10 | 06:38:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |

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|------------|------------|--------------------------------|---------------------|---|-------|-------|
| 2024/05/10 | 06:38:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| | | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2024/05/10 | 06:38:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2024/05/10 | 06:38:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/05/10 | 06:40:56.0 | XRT_QT_PROG_SET_441_OG [0x1b9] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 08 |
| 2024/05/10 | 06:40:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0e |
| 2024/05/10 | 06:41:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/05/10 | 07:17:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 07:17:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 07:17:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/05/10 | 07:17:06.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/05/10 | 07:20:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/05/10 | 08:02:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2024/05/10 | 08:03:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/05/10 | 08:57:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 08:57:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 08:57:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/05/10 | 08:57:06.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/05/10 | 09:00:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/05/10 | 09:40:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2024/05/10 | 09:41:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/05/10 | 10:37:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 10:37:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 10:37:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/05/10 | 10:37:06.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/05/10 | 10:40:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/05/10 | 11:19:00.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2024/05/10 | 11:20:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/05/10 | 12:30:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 12:30:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 12:30:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/05/10 | 12:30:06.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/05/10 | 12:33:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/05/10 | 12:57:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2024/05/10 | 12:58:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/05/10 | 14:08:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 14:08:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 14:08:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/05/10 | 14:08:36.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/05/10 | 14:11:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/05/10 | 14:35:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2024/05/10 | 14:36:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/05/10 | 15:46:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 15:46:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 15:46:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/05/10 | 15:46:36.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/05/10 | 15:49:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/05/10 | 16:14:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2024/05/10 | 16:15:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/05/10 | 17:09:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |

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| 2024/05/10 | 17:09:56.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 17:09:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2024/05/10 | 17:10:00.0 | AOCS_ORe-point_Start_2_OG [0x098] AOCU_NM | 5 | 02-76 | 00 00 00 00 00 |
| 2024/05/10 | 17:10:18.0 | XRT_FLD_DIS_409_OG [0x199] MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2024/05/10 | 17:10:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2024/05/10 | 17:10:22.0 | XRT_ARS_DIS_435_OG [0x1b3] MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2024/05/10 | 17:12:58.0 | XRT_QT_PROG_SET_420_OG [0x1a4] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 01 |
| 2024/05/10 | 17:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/05/10 | 17:20:00.0 | AOCS_ORe-point_Start_6_OG [0x09c] AOCU_NM | 5 | 02-76 | 00 56 35 00 00 |
| 2024/05/10 | 17:22:00.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 17:22:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 17:22:04.0 | XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2024/05/10 | 17:22:24.0 | XRT_FLD_DIS_442_OG [0x1ba] MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2024/05/10 | 17:24:24.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2024/05/10 | 17:24:26.0 | XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2024/05/10 | 17:24:28.0 | XRT_QT_PROG_SET_416_OG [0x1a0] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0a |
| 2024/05/10 | 17:24:30.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/05/10 | 17:39:54.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 17:39:56.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 17:39:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2024/05/10 | 17:40:00.0 | AOCS_ORe-point_Start_7_OG [0x09d] AOCU_NM | 5 | 02-76 | 00 ff c7 01 db |
| 2024/05/10 | 17:40:18.0 | XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2024/05/10 | 17:40:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2024/05/10 | 17:40:22.0 | XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2024/05/10 | 17:40:24.0 | XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2024/05/10 | 17:40:26.0 | XRT_FLD_RESET_434_OG [0x1b2] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/05/10 | 17:42:56.0 | XRT_QT_PROG_SET_447_OG [0x1bf] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 07 |
| 2024/05/10 | 17:42:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7] MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0e |
| 2024/05/10 | 18:00:31.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2024/05/10 | 18:01:31.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/05/10 | 19:03:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 19:03:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 19:03:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/05/10 | 19:03:06.0 | XRT_PREFLR_STRT_403_OG [0x193] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/05/10 | 19:06:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/05/10 | 19:37:01.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2024/05/10 | 19:38:01.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/05/10 | 20:41:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 20:41:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 20:41:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/05/10 | 20:41:36.0 | XRT_PREFLR_STRT_403_OG [0x193] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2024/05/10 | 20:44:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2024/05/10 | 21:14:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2024/05/10 | 21:15:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2024/05/10 | 22:19:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 22:19:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2024/05/10 | 22:19:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2024/05/10 | 22:19:36.0 | XRT_PREFLR_STRT_403_OG [0x193] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |

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| 2024/05/10 | 22:22:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/05/10 | 22:50:31.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/05/10 | 22:51:31.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/05/10 | 22:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/10 | 22:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/10 | 22:59:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2024/05/10 | 23:00:00.0 | AOCS_Ore-point_Start_8_OG [0x09e] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 01 04 5a 01 db | | | | |
| 2024/05/10 | 23:00:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2024/05/10 | 23:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2024/05/10 | 23:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2024/05/10 | 23:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2024/05/10 | 23:00:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/05/10 | 23:02:56.0 | XRT_QT_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0d | | | | |
| 2024/05/10 | 23:02:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0e | | | | |
| 2024/05/10 | 23:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/05/10 | 23:58:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/10 | 23:58:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/10 | 23:58:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/05/10 | 23:58:06.0 | XRT_PREFLR_STRT_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/05/11 | 00:01:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/05/11 | 00:25:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/05/11 | 00:26:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/05/11 | 01:36:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/11 | 01:36:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/11 | 01:36:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/05/11 | 01:36:06.0 | XRT_PREFLR_STRT_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/05/11 | 01:39:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/05/11 | 01:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/11 | 01:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/11 | 01:59:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2024/05/11 | 02:00:00.0 | AOCS_ORe-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 02 04 5a 01 db | | | | |
| 2024/05/11 | 02:00:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2024/05/11 | 02:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2024/05/11 | 02:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2024/05/11 | 02:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2024/05/11 | 02:00:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/05/11 | 02:02:56.0 | XRT_QT_PROG_SET_441_OG [0x1b9] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 08 | | | | |
| 2024/05/11 | 02:02:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0e | | | | |
| 2024/05/11 | 02:03:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/05/11 | 02:04:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/05/11 | 03:04:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/11 | 03:04:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/11 | 03:04:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2024/05/11 | 03:04:36.0 | XRT_PREFLR_STRT_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2024/05/11 | 03:07:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2024/05/11 | 03:41:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2024/05/11 | 03:42:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2024/05/11 | 04:35:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2024/05/11 | 04:35:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |

| | | | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|--|
| 2024/05/11 | 04:35:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 04:35:36.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2024/05/11 | 04:38:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2024/05/11 | 05:20:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2024/05/11 | 05:21:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2024/05/11 | 05:44:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 05:44:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 05:44:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 05:45:00.0 | AOCS_Or-point_Start_2_OG [0x098] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | |
| 2024/05/11 | 05:45:18.0 | XRT_FLD_DIS_409_OG [0x199] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | |
| 2024/05/11 | 05:45:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | |
| 2024/05/11 | 05:45:22.0 | XRT_ARS_DIS_435_OG [0x1b3] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | |
| 2024/05/11 | 05:47:58.0 | XRT_OT_PROG_SET_420_OG [0x1a4] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2024/05/11 | 05:48:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_OT_PROG_SET | 2 | 07-F0 | c4 01 | | |
| 2024/05/11 | 05:54:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2024/05/11 | 05:54:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 05:54:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 05:55:00.0 | AOCS_Or-point_Start_1_OG [0x097] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | |
| 2024/05/11 | 05:55:18.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCU_NM | 5 | 02-76 | 02 04 5a 01 db | | |
| 2024/05/11 | 05:55:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | |
| 2024/05/11 | 05:55:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | |
| 2024/05/11 | 05:55:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| 2024/05/11 | 05:55:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2024/05/11 | 05:57:56.0 | XRT_OT_PROG_SET_441_OG [0x1b9] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2024/05/11 | 05:57:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7] | MDP_XRT_OT_PROG_SET | 2 | 07-F0 | c4 08 | | |
| 2024/05/11 | 05:58:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0e | | |
| 2024/05/11 | 06:11:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2024/05/11 | 06:11:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 06:11:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 06:11:36.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2024/05/11 | 06:14:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2024/05/11 | 06:58:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2024/05/11 | 06:59:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2024/05/11 | 07:51:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 07:51:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 07:51:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 07:51:36.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2024/05/11 | 07:54:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2024/05/11 | 08:36:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2024/05/11 | 08:37:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2024/05/11 | 09:31:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 09:31:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 09:31:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2024/05/11 | 09:31:06.0 | XRT_PREFLR_STRT_403_OG [0x193] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2024/05/11 | 09:34:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2024/05/11 | 10:14:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2024/05/11 | 10:15:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2024/05/11 | 11:09:30.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |

2024/05/11 11:25:00.0 AOCs_OrE-point_Start_2_OG [0x098]
AOCU_NM 5 02-76 00 00 00 00 00