

XRT Timeline to be uploaded on 2020/09/05

Period: 2020/09/05 10:50:00 - 2020/09/10 11:01:00

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Normal mode

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XOB #1C57: HOP349 - 3-filter Synoptics (Al-mesh[512/2048/5795], Al-poly[512/5795/11571], thin-Be[2048/16384/32768] with 512x512 G-band+Leak(1064,1048))

| Term | Pointing (x, y) | Comment |
|---------------------------------|-------------------|--|
| 09/05 11:03:00 - 09/05 17:56:54 | Fixed (0.0, 0.0) | # OP start + 10min, HOP349 and synoptic |
| 09/06 02:17:30 - 09/06 05:30:00 | Fixed (0.0, 0.0) | HOP349, synoptic |
| 09/08 08:03:06 - 09/08 10:32:30 | Fixed (0.0, 0.0) | synoptic, shifted 1 hr 40 min adn HOP349 |

PROG= 12 Inf.-time(s)

| Subr= | 1-time(s) | 300.0sec | | | | | | | | | | | |
|-----------------|------------------|-----------------|------|-------|-------|-----|-----|--------------------|--------------|------------|----------|---|--------|
| Seqn= 78 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 500ms | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 2.00s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 5.66s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Seqn= 91 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 500ms | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/thick-Al | close | Safe | Norm | 5.66s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 11.3s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Seqn= 56 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 2.00s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 16.0s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 32.0s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Seqn= 81 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 512x512 | (1064, 1048) | Q=90 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 512x512 | (1064, 1048) | Q=95 | 0 | 0 | 2.0sec |
| Subr= 2 | 5-time(s) | 420.0sec | | | | | | | | | | | |
| Seqn= 8 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 1.00s | Obs | 4x4 | 2048x2048 | (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 1.41s | Obs | 4x4 | 2048x2048 | (1024, 1024) | DPCM | 2 | 0 | 2.0sec |
| Seqn= 6 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 125ms | Obs | 4x4 | 2048x2048 | (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 1.00s | Obs | 4x4 | 2048x2048 | (1024, 1024) | DPCM | 2 | 0 | 2.0sec |
| Seqn= 29 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 125ms | Obs | 4x4 | 2048x2048 | (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 250ms | Obs | 4x4 | 2048x2048 | (1024, 1024) | Q=98 | 2 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | | |

XOB #1C53: Synoptic Q95 2x2 - Al/mesh(181/1024/5795) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(256/2897/8192)

| Term | Pointing (x, y) | Comment |
|---------------------------------|-------------------|---|
| 09/05 18:00:00 - 09/05 18:14:24 | Fixed (0.0, 0.0) | # OP start + 10min, HOP349 and synoptic |
| 09/06 05:33:06 - 09/06 05:43:54 | Fixed (0.0, 0.0) | HOP349, synoptic |
| 09/06 13:03:00 - 09/06 14:36:54 | Fixed (0.0, 0.0) | synoptic, shifted -3 hr and 16 min and HOP349 |

PROG= 07 1-time(s)

| Subr= | 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= 88 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 177ms | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 1.00s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 5.66s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Seqn= 44 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 250ms | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 2.83s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 8.00s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Seqn= 52 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 2.83s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 16.0s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 32.0s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 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 |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | | |

XOB #1B96: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 360s cad (G-band/Leak first)

| Term | Pointing (x, y) | Comment |
|---------------------------------|---|--------------|
| 09/05 18:17:30 - 09/06 02:14:24 | Track (551.1, 419.8) ^{© 09/05 18:14:30} | QS tracking |
| 09/07 00:43:00 - 09/07 03:27:30 | Fixed (468.0, 0.0) | HOP344 5/15 |
| 09/07 19:01:30 - 09/07 21:49:00 | Fixed (-468.0, 0.0) | HOP344 11/15 |

PROG= 04 Inf.-time(s)

| Subr= | 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 |
| Subr= 2 | | 10-time(s) | | 360.0sec | | | | | | | | | |
| | Seqn= 8 | 1-time(s) | | 2.0sec | | | | | | | | | |
| | thin-Be/Open | med-Be/Open | close | Safe | Norm | 1.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| | thin-Be/Open | med-Be/Open | close | Safe | Norm | 1.41s | Obs | 4x4 | 2048x2048 (1024, 1024) | DPCM | 2 | 0 | 2.0sec |
| | Seqn= 6 | 1-time(s) | | 2.0sec | | | | | | | | | |
| | Al-poly/Open | Al-poly/Open | close | Safe | Norm | 125ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 3 | 0 | 2.0sec |
| | Al-poly/Open | Al-poly/Open | close | Safe | Norm | 1.00s | Obs | 4x4 | 2048x2048 (1024, 1024) | DPCM | 2 | 0 | 2.0sec |
| | Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

XOB #1B93: HOP81/206 2-filter - Al/poly 6s, Al/mesh 4s 30s cadence, G-band - 384x384 1ms

| Term | Pointing (x, y) | | Comment | | | | | | | | | | |
|---------------------------------|-----------------------|-------------------|---------------|----------------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| 09/06 05:47:00 - 09/06 12:59:54 | Fixed (-22.0, 861.0) | | HOP206 N-pole | | | | | | | | | | |
| PROG= 18 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) | | 2.0sec | | | | | | | | | |
| | Seqn= 57 | 1-time(s) | | 30.0sec | | | | | | | | | |
| | Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 4.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=90 | 0 | 0 | 2.0sec |
| | 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 #1C7D: Synoptic 7 Filter w/ Al-mesh(181/1024/5795), Al-poly(256/2897/8192), Thin-Be(1024/11571/23142) - Thick-Be(65536), Al-poly+Ti-poly(512/8192),

| Term | Pointing (x, y) | | Comment | | | | | | | | | | |
|---------------------------------|-------------------|------------------|---|---------------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| 09/06 14:40:00 - 09/06 14:53:30 | Fixed (0.0, 0.0) | | synoptic, shifted -3 hr and 16 min and HOP349 | | | | | | | | | | |
| 09/07 11:00:00 - 09/07 11:39:00 | Fixed (0.0, 0.0) | | HOP344 8/15, and synoptic, shifted +4 hr and 15.5 min | | | | | | | | | | |
| 09/08 07:43:00 - 09/08 08:00:00 | Fixed (0.0, 0.0) | | synoptic, shifted 1 hr 40 min adn HOP349 | | | | | | | | | | |
| PROG= 20 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= 88 | 1-time(s) | | 2.0sec | | | | | | | | | |
| | Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 177ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| | Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 1.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| | Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 5.66s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| | Seqn= 44 | 1-time(s) | | 2.0sec | | | | | | | | | |
| | Al-poly/Open | Al-poly/Open | close | Safe | Norm | 250ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| | Al-poly/Open | Al-poly/Open | close | Safe | Norm | 2.83s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| | Al-poly/Open | Al-poly/Open | close | Safe | Norm | 8.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| | Seqn= 33 | 1-time(s) | | 2.0sec | | | | | | | | | |
| | thin-Be/Open | thin-Be/Open | close | Safe | Norm | 1.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| | thin-Be/Open | thin-Be/Open | close | Safe | Norm | 11.3s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| | thin-Be/Open | thin-Be/Open | close | Safe | Norm | 22.6s | 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= 46 | 1-time(s) | | 2.0sec | | | | | | | | | |
| | Open/thick-Be | Open/thick-Be | close | Safe | Norm | 64.0s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| | Seqn= 17 | 1-time(s) | | 2.0sec | | | | | | | | | |
| | med-Al/Open | med-Al/Open | close | Safe | Norm | 5.66s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| | med-Al/Open | med-Al/Open | close | Safe | Norm | 64.0s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| | Seqn= 86 | 1-time(s) | | 2.0sec | | | | | | | | | |
| | Al-poly/Ti-poly | Al-poly/thick-Al | close | Safe | Norm | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| | Al-poly/Ti-poly | Al-poly/thick-Al | close | Safe | Norm | 8.00s | 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 #1C56: Synoptic 7 Filter w/ Al-mesh(512/2048/5795), Al-poly(512/5795/11571), Thin-Be(3897/16384/32768) - Thick-Be(65536), Al-poly+Ti-poly(4096/23142)

| Term | Pointing (x, y) | | Comment | | | | | | | | | | |
|---------------------------------|-------------------|------------------|---|---------------|------|-------|-----|-----|------------------------|------|---|---|--------|
| 09/07 12:30:00 - 09/07 15:24:00 | Fixed (0.0, 0.0) | | HOP344 8/15, and synoptic, shifted +4 hr and 15.5 min | | | | | | | | | | |
| PROG= 03 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= 78 | 1-time(s) | 2.0sec | | | | | | | | | | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 500ms | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 2.00s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 5.66s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec | | | | | | |
| Seqn= 91 | 1-time(s) | 2.0sec | | | | | | | | | | | | | | | | | |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 500ms | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec | | | | | | |
| Al-poly/Open | Al-poly/thick-Al | close | Safe | Norm | 5.66s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec | | | | | | |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 11.3s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec | | | | | | |
| Seqn= 52 | 1-time(s) | 2.0sec | | | | | | | | | | | | | | | | | |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 2.83s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec | | | | | | |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 16.0s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=95 | 0 | 0 | 2.0sec | | | | | | |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 32.0s | 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= 46 | 1-time(s) | 2.0sec | | | | | | | | | | | | | | | | | |
| Open/thick-Be | Open/thick-Be | close | Safe | Norm | 64.0s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=98 | 0 | 0 | 2.0sec | | | | | | |
| Seqn= 17 | 1-time(s) | 2.0sec | | | | | | | | | | | | | | | | | |
| med-Al/Open | med-Al/Open | close | Safe | Norm | 5.66s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=98 | 0 | 0 | 2.0sec | | | | | | |
| med-Al/Open | med-Al/Open | close | Safe | Norm | 64.0s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=98 | 0 | 0 | 2.0sec | | | | | | |
| Seqn= 97 | 1-time(s) | 2.0sec | | | | | | | | | | | | | | | | | |
| Al-poly/Ti-poly | Al-poly/thick-Al | close | Safe | Norm | 4.00s | Obs | 2x2 | 2048x2048 | (1024, 1024) | Q=98 | 0 | 0 | 2.0sec | | | | | | |
| Al-poly/Ti-poly | Al-poly/thick-Al | close | Safe | Norm | 22.6s | 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 | | | | | | | |

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Flare mode

* * * * *

XOB #1B8E: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Al/thick), AEC 3(thin-Be AEC2), 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512x512)

| Term | Pointing (x, y) | Comment |
|---------------------------------|--|--|
| 09/05 11:03:00 - 09/05 17:56:54 | Fixed (0.0, 0.0) | # OP start + 10min, HOP349 and synoptic |
| 09/05 18:17:30 - 09/06 02:14:24 | Track (551.1, 419.8) @ 09/05 18:14:30 | QS tracking |
| 09/06 02:17:30 - 09/06 05:30:00 | Fixed (0.0, 0.0) | HOP349, synoptic |
| 09/06 05:47:00 - 09/06 12:59:54 | Fixed (-22.0, 861.0) | HOP206 N-pole |
| 09/07 00:43:00 - 09/07 03:27:30 | Fixed (468.0, 0.0) | HOP344 5/15 |
| 09/07 19:01:30 - 09/07 21:49:00 | Fixed (-468.0, 0.0) | HOP344 11/15 |
| 09/08 08:03:06 - 09/08 10:32:30 | Fixed (0.0, 0.0) | synoptic, shifted 1 hr 40 min adn HOP349 |

PROG= 13 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=100 | 1-time(s) | 10.0sec | | | | | | | | | | | | | | | | | | |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 125ms | Obs | 1x1 | 384x384 | (1024, 1024) | Q=95 | 2 | 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-Al | Open/thick-Be | close | Safe | Norm | 1.00s | 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 | | | | | | | | |

* * * * *

Active Region Search

* * * * *

NOT USED

* * * * *

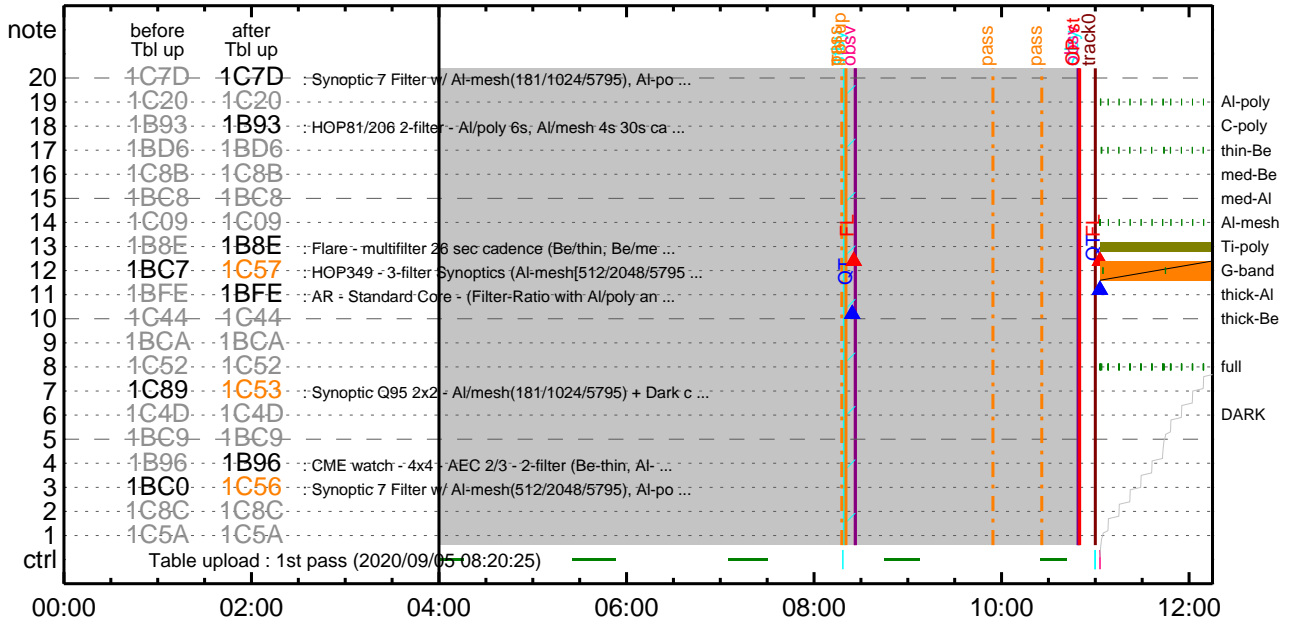
Flare Detection

* * * * *

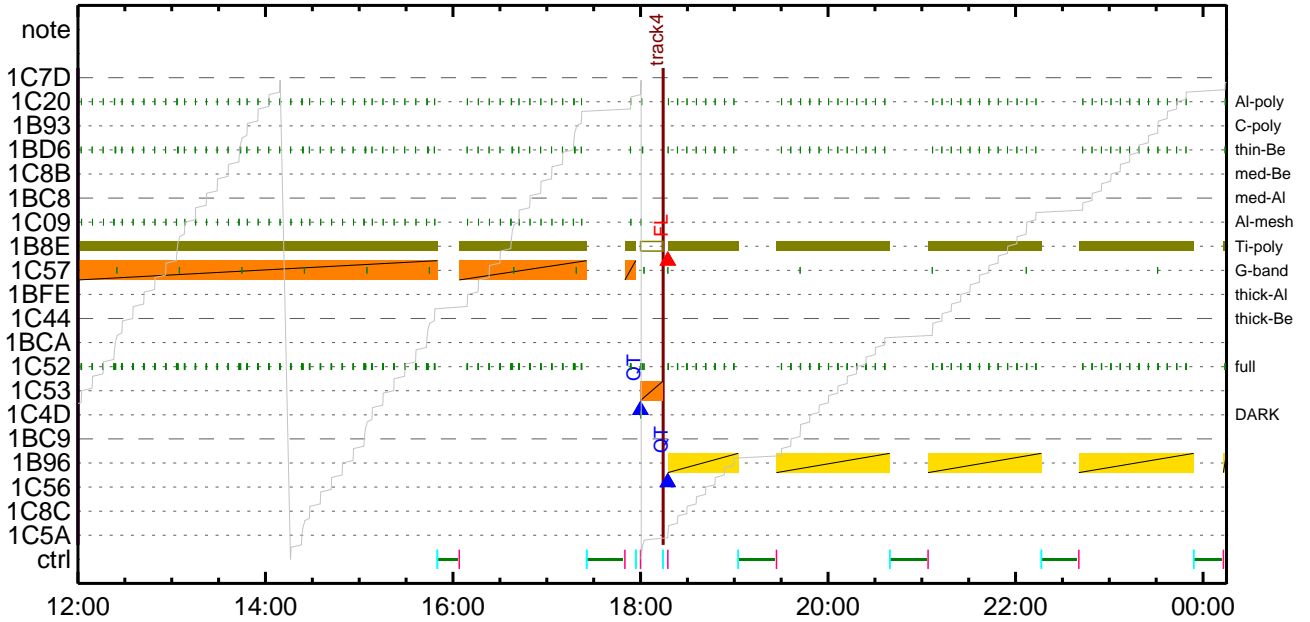
FLD Patrol

| Term | Pointing (x, y) | Comment |
|---------------------------------|--|--|
| 09/05 18:14:48 - 09/06 05:30:24 | Track (551.1, 419.8) @ 09/05 18:14:30 | QS tracking |
| 09/06 05:44:16 - 09/06 13:00:18 | Fixed (-22.0, 861.0) | HOP206 N-pole |
| 09/07 00:40:18 - 09/07 10:57:18 | Fixed (468.0, 0.0) | HOP344 5/15 |
| 09/07 18:58:48 - 09/08 07:40:18 | Fixed (-468.0, 0.0) | HOP344 11/15 |
| 09/08 08:00:24 - 09/10 11:01:00 | Fixed (0.0, 0.0) | synoptic, shifted 1 hr 40 min adn HOP349 |
| Al-poly/Open | Al-poly/Open | close Safe Norm 8ms Obs 8x8 Q=50 30sec |
| Default Filter | Thicker Filter | VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval |

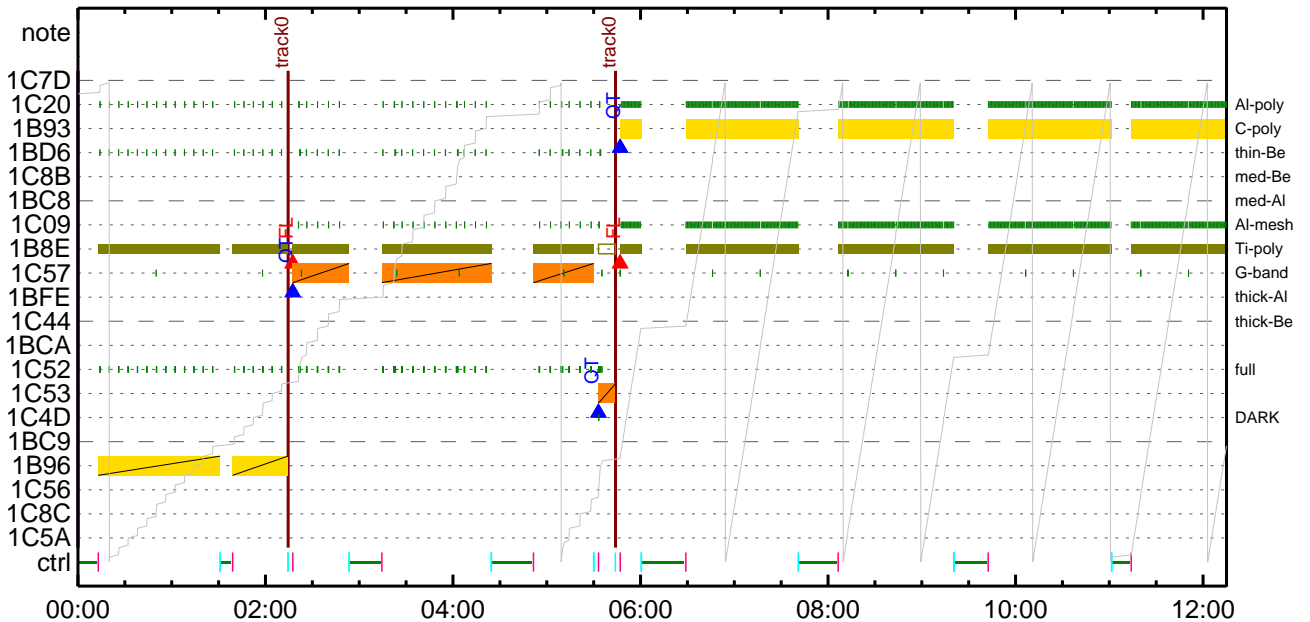
CMDI #0152 2020/09/05



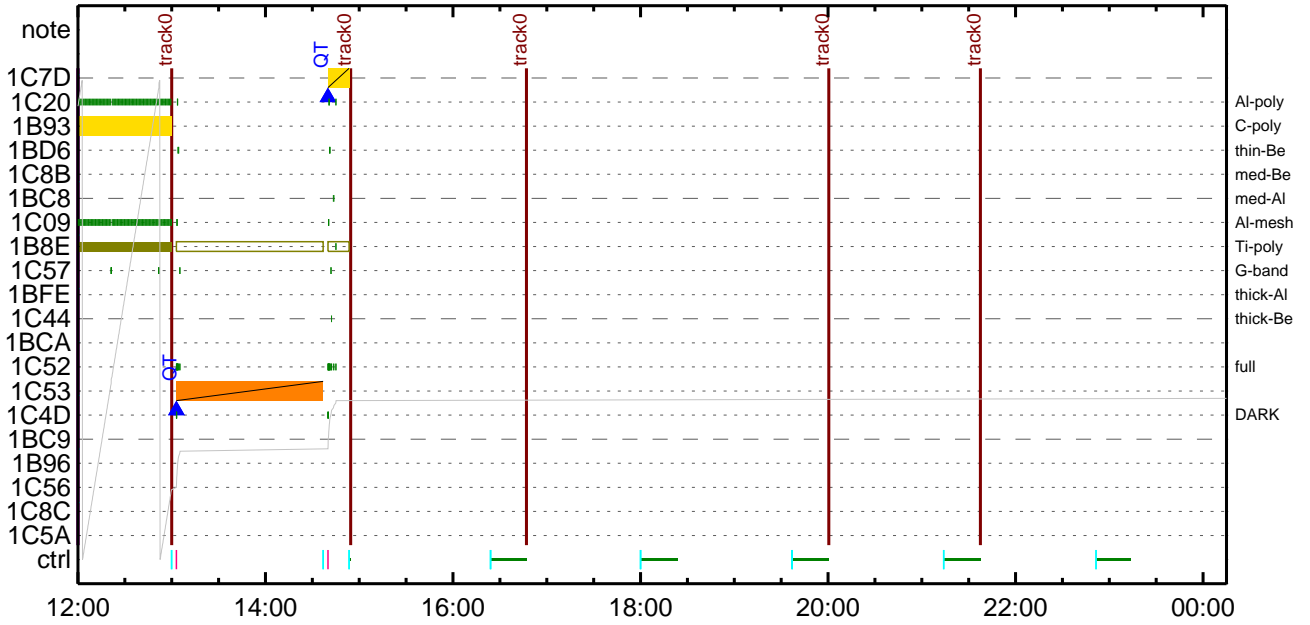
CMDI #0152 2020/09/05



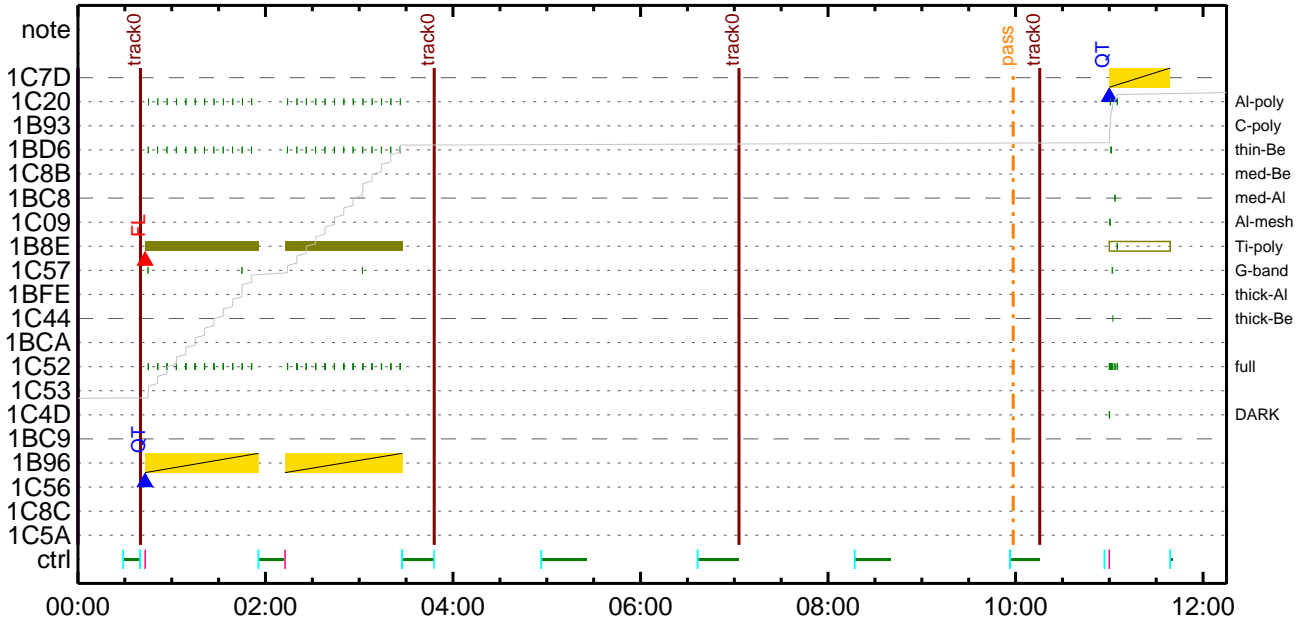
CMDI #0152 2020/09/06



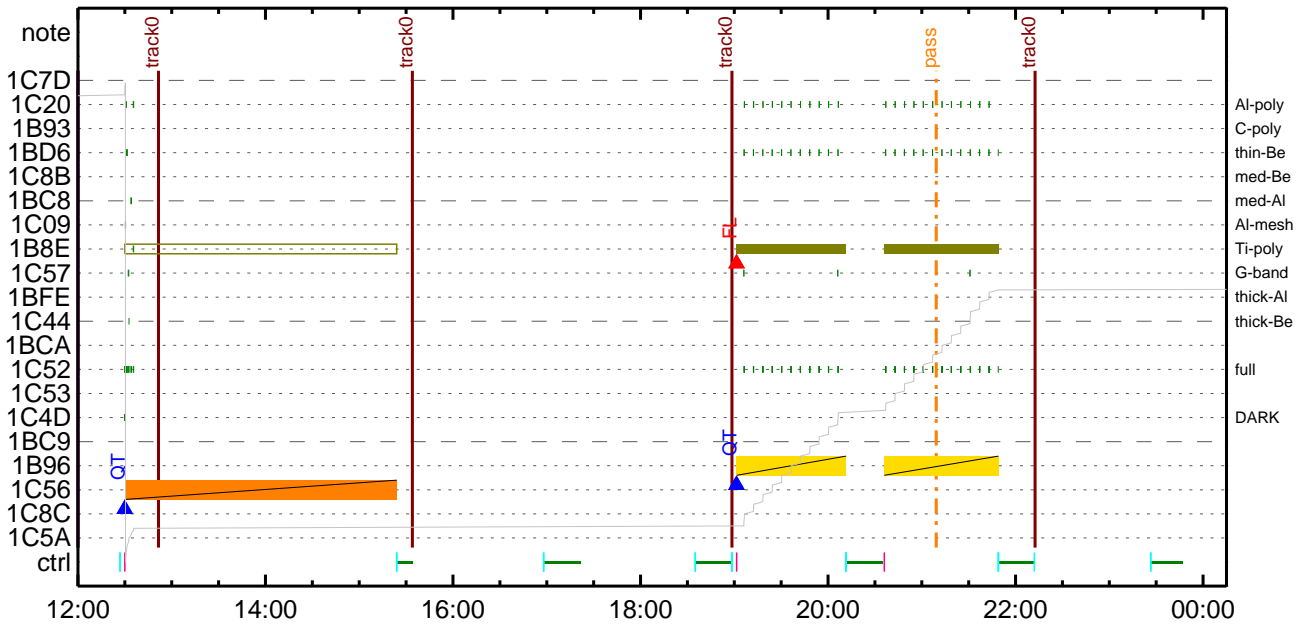
CMDI #0152 2020/09/06



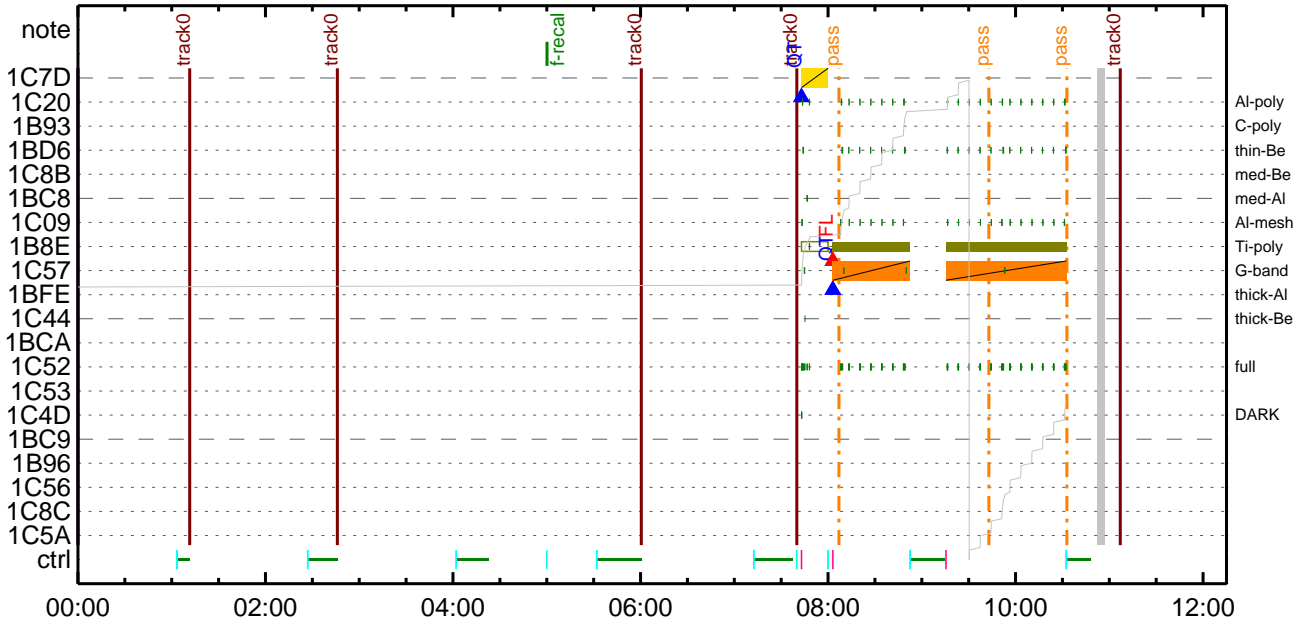
CMDI #0152 2020/09/07



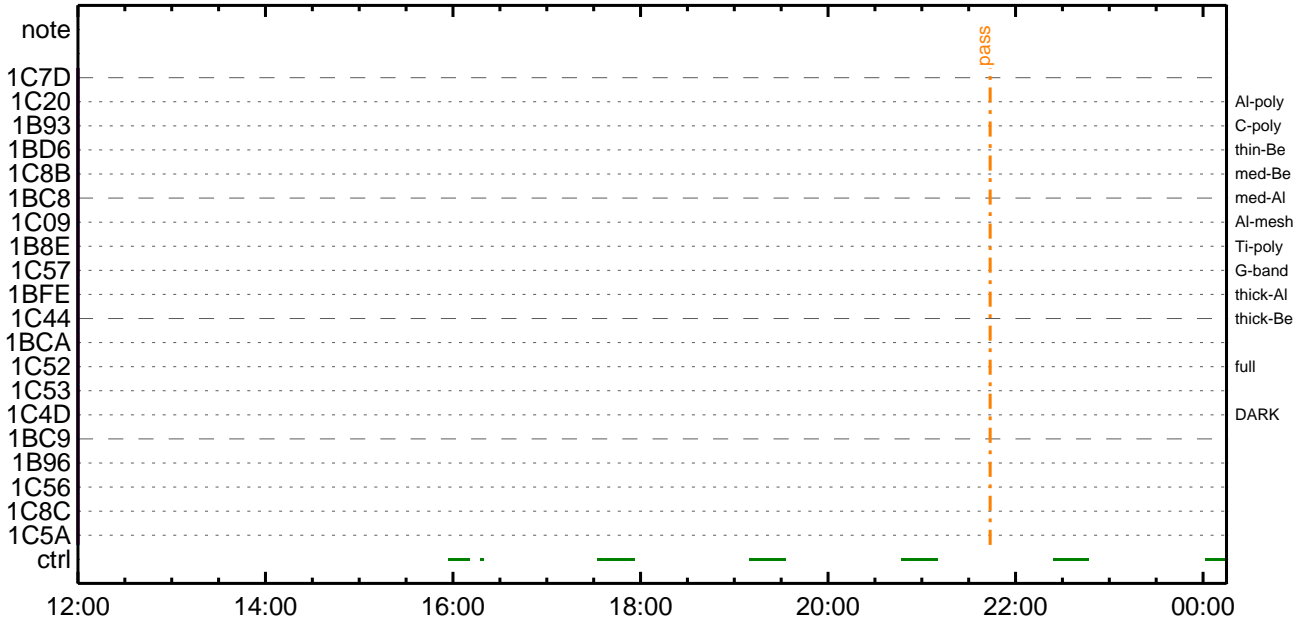
CMDI #0152 2020/09/07



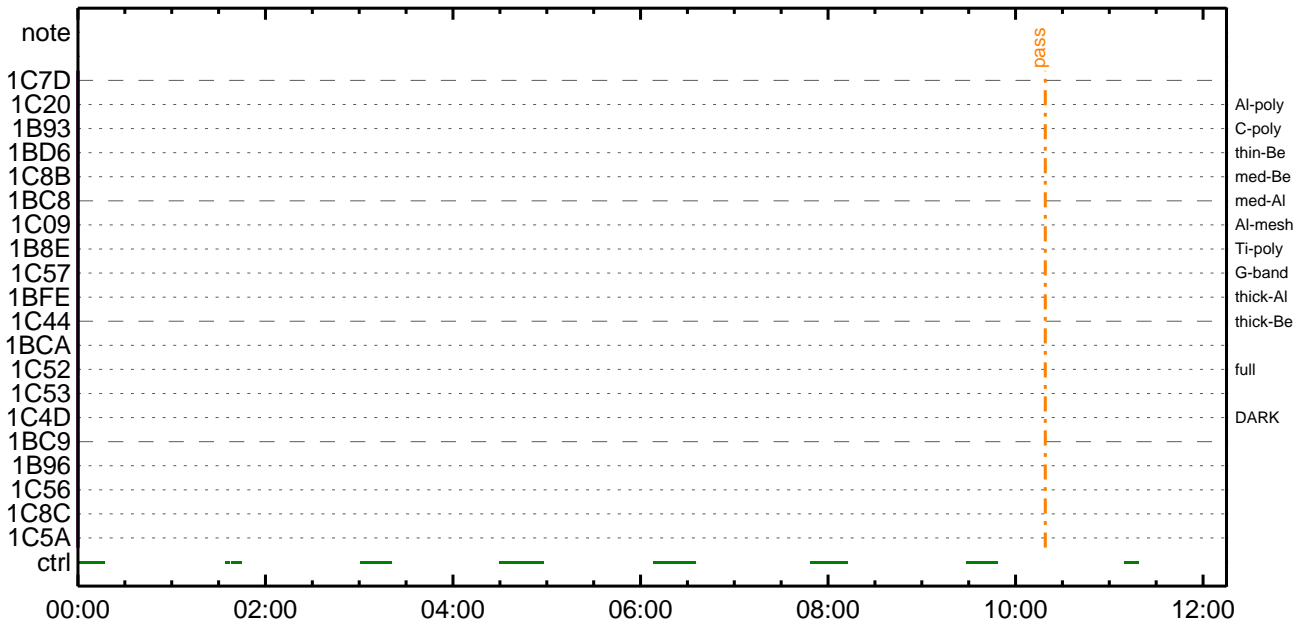
CMDI #0152 2020/09/08



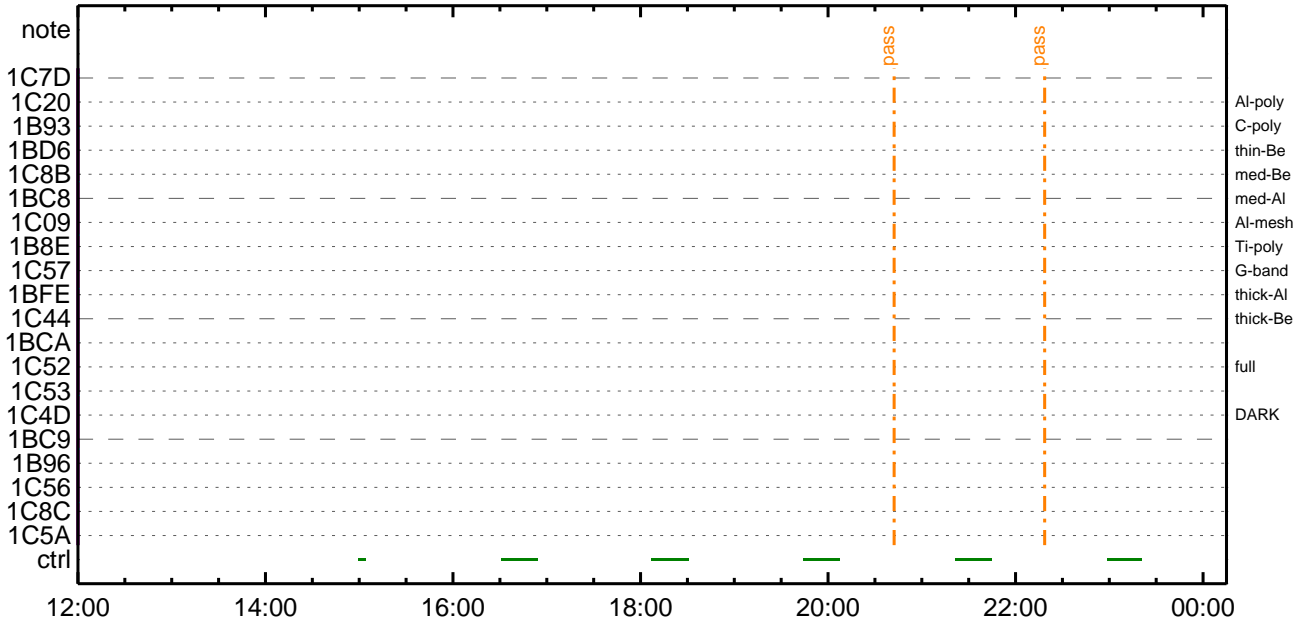
CMDI #0152 2020/09/08



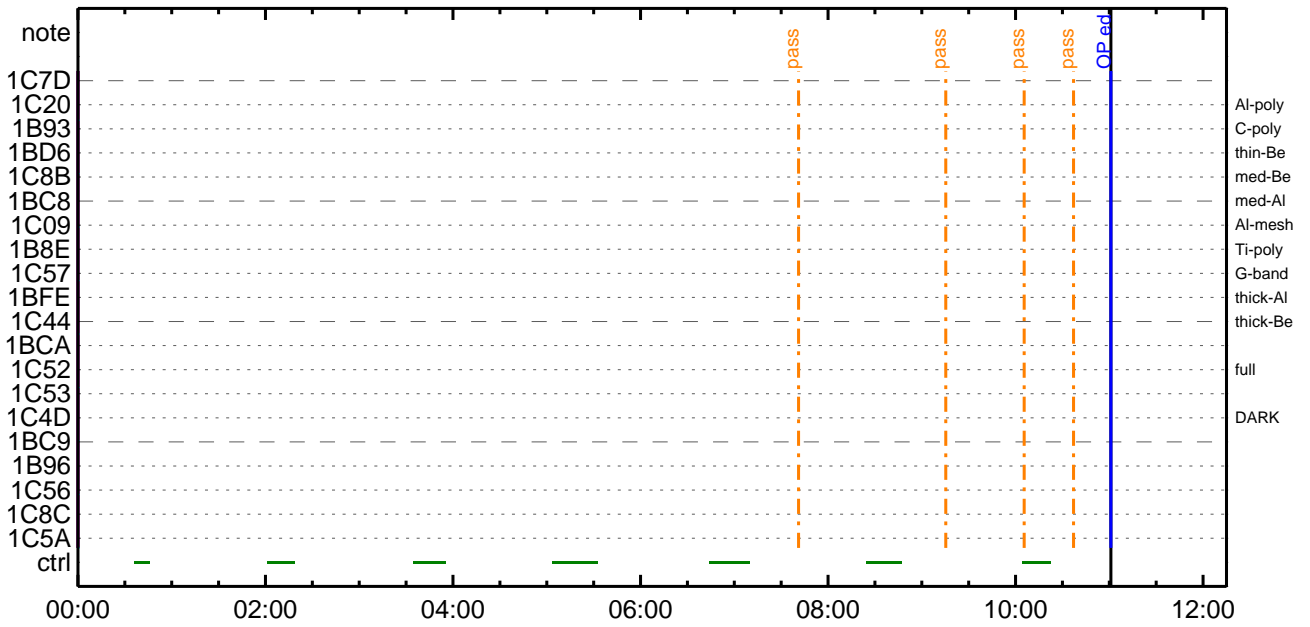
CMDI #0152 2020/09/09



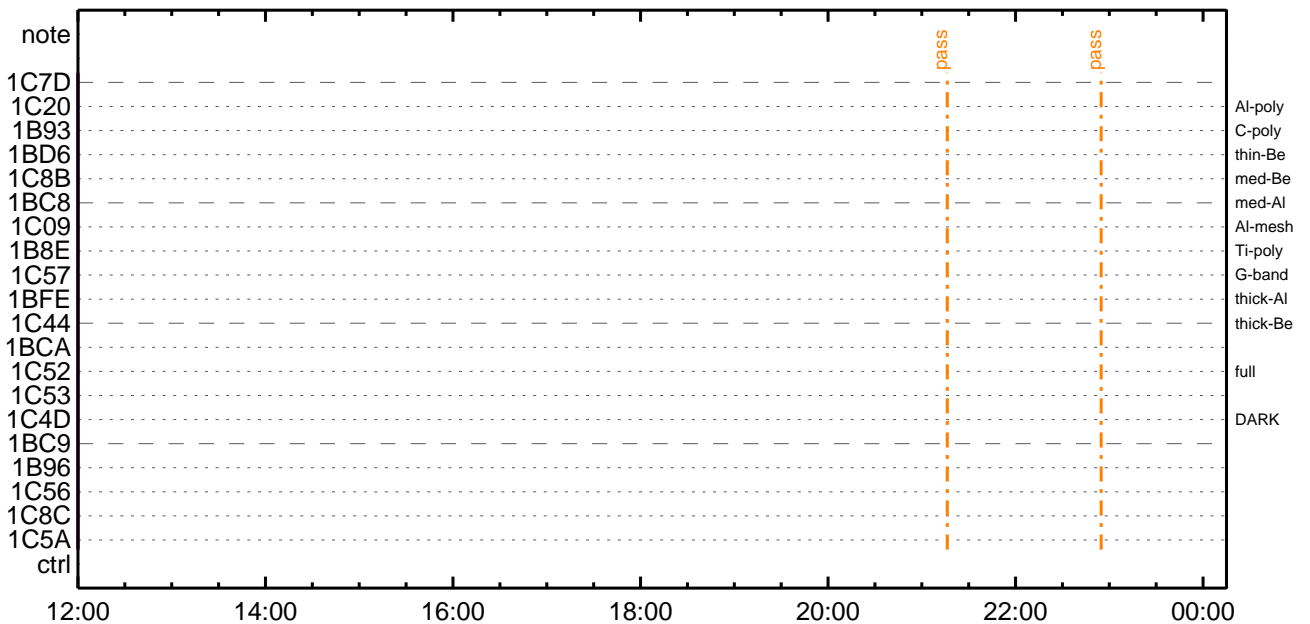
CMDI #0152 2020/09/09



CMDI #0152 2020/09/10



CMDI #0152 2020/09/10



0096 C.
0097 . C. ***** LOS *****
0098 C.


```

0096 C.          SET EDUMP I±°iYÑY¹aÇ¹Öa|a³aE;f
0097 C.
0098 C. TIY³YF¥ÖYÉaðdÄDİ¿(UT)
0099 +. TI 2020-09-05 10:45:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0102 C.
0103 +. TI 2020-09-05 10:45:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0106 C.
0107 +. TI 2020-09-05 10:45:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0110 C.
0111 +. TI 2020-09-05 10:49:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0114 C.
0115 C. °E²¼aİÄè%îÍÑaİYÁY§YÁY-¹àÛ
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. TIİî°èYÀYÖY×
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. YÀYÖY×½ªİ»að³İÇ§
0142 C.          çç[HK1_DMP_CHK_FLG]      EQ          NON
0143 C.
0144 C. RAM ID=TI_TBLaİ%È¹Ç•è²İOKað³İÇ§
0145 C.
0146 C. DHUYâ;¼YÉ;È¼Y½,¥i;¼YÈ;Èaðİã¹
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 2020-09-05 10:49:30.0
0161 DC 07-FC EIS_MODE_MANU
0162 BC          (21 02)
0163 +. TI 2020-09-05 10:49:40.0
0164 DC 07-FC EIS_MODE_CHG_DIS
0165 BC          (22)
0166 C.          [ ] [HK1_TI_CMD_NUM]      EQ          2 COUNTUP
0167 C. ***** End EIS operation (TI set) *****
0168 C.
0169 C.
0170 C.
0171 C. ***** XRT START *****
0172 C. Execute, after the success of OP upload.
0173 +. TI 2020-09-05 10:49:00.0
0174 DC 07-F0 MDP_XRT_MODE_STBY
0175 BC          (c3)
0176 C.          [ ] [HK1_TI_CMD_NUM]      EQ          1COUNTUP
0177 C.
0178 C. ***** XRT END *****
0179 C.
0180 C. ***** MDP ´úÃîaİ»ö¼YªÈÄa¹aèDCBC•x²è *****
0181 C. (%ã°îYÖYÁYÉY¥YÉYÁYÇYèaÈ¼aª¼Á»Ü¹aè)
0182 C. S. DC-BC dcbc-402:DCBC
0183 C. (MDP_known_event)
0184 C.
0185 C.
0186 C. ***** YD¥¹•İ Daily±¿İÑaÈ'Øa¹aèDCBC•x²è *****
0187 C. S. DC-BC dcbc-153:DCBC
0188 C. (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189 C.
0190 C.
0191 C. ;ãLOS¥ÁY§YÁY-¼Á»Ü;ã
0192 C.
0193 C. ***** LOS *****

```


(a) Spacecraft Operation Procedure (real-commands)

```

main-999 2020-09-05 13:14:12 85 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÁY~¼Á»Û;ã
0005 C.
0006 C. YÁYŞ;¼Y³YFÝÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;È¿òÁâ•µ°È»Í×ÁÇóÍYçYÁY×Yí;¼YÉ;ÈÈ%µ•íÉ;ÈòÈ¼°ÇÒâ•ò¿¼í¹çâÍ;çÁ®, ùò¹àèòòçÁ+¿®â•òÈòò³àÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCS Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ( )
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCU_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCS Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCS DUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCU_ORB_UPD
0044 . C.
0045 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0046 +. DC 07-FC EIS_MODE_CHG_ENA
0047 BC (20)
0048 . C. Verify EIS_MODE_CHG_FLG is ENA
0049 +. DC 07-FC EIS_MODE_MANU
0050 BC (21 02)
0051 . C. Verify EIS in MANUAL mode
0052 C. Estimated OBSTBL upload time is 43s
0053 C. *****
0054 C. EIS START OBSTBL LOAD
0055 C. *****
0056 . S. RAM ram-820:EIS_OBSTBL
0057 ( )
0058 +. DC 07-FC EIS_DUMP_OBSTBL
0059 BC (07 07 07 00 00 70 00)
0060 C.
0061 C. Execute, after the success of OBSTBL upload.
0062 C. Set EIS TI-commands
0063 +. TI 2020-09-05 10:49:50.0
0064 DC 07-FC EIS_MODE_CHG_ENA
0065 BC (20)
0066 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0067 C. *****
0068 C. EIS END OBSTBL LOAD
0069 C. *****
0070 C.
0071 . C. ***** MDP `ûÁÏòÏ»ò¼YòÈÁò¹òÈDCBC•x²è *****
0072 C. (¼á°ÍYÓYÁYÈYÏYÉYáYçYÈòÈ¼°ÇÒâ»Ûò¹òè)
0073 . S. DC-BC dcbc-402:DCBC
0074 (MDP_known_event)
0075 C.
0076 C.
0077 . C. ***** YDY¹•Ï Daily±¿ÏÑòË`ò¹òÈDCBC•x²è *****
0078 . S. DC-BC dcbc-153:DCBC
0079 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0080 C.
0081 C.
0082 . C. ;ãLOSÁYŞYÁY~¼Á»Û;ã
0083 C.
0084 . C. ***** LOS *****
0085 C.

```

*** OP Sequence for XRT ***

```

2020/09/05 10:59:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/09/05 10:59:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/09/05 10:59:58.0 XRT_FOCUS_POSITION_406_OG [0x196]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2020/09/05 11:00:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 00 00 00 00 00
2020/09/05 11:00:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2020/09/05 11:00:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2020/09/05 11:00:22.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2020/09/05 11:00:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2020/09/05 11:00:26.0 XRT_FLD_RESET_434_OG [0x1b2]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2020/09/05 11:02:56.0 XRT_QT_PROG_SET_431_OG [0x1af]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 0c
2020/09/05 11:02:58.0 XRT_FL_PROG_SET_440_OG [0x1b8]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 0d
2020/09/05 11:03:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/09/05 15:50:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/09/05 15:50:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/09/05 15:50:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2020/09/05 15:50:06.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2020/09/05 15:53:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2020/09/05 16:03:00.0 XRT_Custom_430_OG [0x1ae]
2020/09/05 16:04:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/09/05 17:25:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/09/05 17:25:32.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/09/05 17:25:34.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2020/09/05 17:25:36.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2020/09/05 17:28:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2020/09/05 17:49:00.0 XRT_Custom_430_OG [0x1ae]
2020/09/05 17:50:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/09/05 17:56:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/09/05 17:56:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/09/05 17:56:58.0 XRT_FOCUS_POSITION_406_OG [0x196]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2020/09/05 17:57:18.0 XRT_FLD_DIS_409_OG [0x199]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2020/09/05 17:57:20.0 XRT_FLRCTRL_DIS_413_OG [0x19d]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2020/09/05 17:57:22.0 XRT_ARS_DIS_443_OG [0x1bb]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2020/09/05 17:59:58.0 XRT_QT_PROG_SET_401_OG [0x191]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 07
2020/09/05 18:00:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/09/05 18:14:24.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/09/05 18:14:26.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/09/05 18:14:28.0 XRT_FOCUS_POSITION_406_OG [0x196]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2020/09/05 18:14:30.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 04 00 00 00 00
2020/09/05 18:14:48.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2020/09/05 18:14:50.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2020/09/05 18:14:52.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2020/09/05 18:14:54.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2020/09/05 18:14:56.0 XRT_FLD_RESET_434_OG [0x1b2]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2020/09/05 18:17:26.0 XRT_QT_PROG_SET_405_OG [0x195]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 04
2020/09/05 18:17:28.0 XRT_FL_PROG_SET_440_OG [0x1b8]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 0d
2020/09/05 18:17:30.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/09/05 19:02:30.0 XRT_CTRL_MANU_400_OG [0x190]

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|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|
| 2020/09/05 | 19:02:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/05 | 19:02:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/05 | 19:02:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/05 | 19:05:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/05 | 19:26:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/05 | 19:27:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2020/09/05 | 20:39:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/05 | 20:39:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/05 | 20:39:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/05 | 20:39:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/05 | 20:42:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/05 | 21:03:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/05 | 21:04:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2020/09/05 | 22:16:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/05 | 22:16:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/05 | 22:16:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/05 | 22:16:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/05 | 22:19:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/05 | 22:39:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/05 | 22:40:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2020/09/05 | 23:54:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/05 | 23:54:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/05 | 23:54:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/05 | 23:54:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/05 | 23:57:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/06 | 00:12:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/06 | 00:13:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2020/09/06 | 01:31:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/06 | 01:31:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 01:31:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 01:31:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/06 | 01:34:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/06 | 01:38:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/06 | 01:39:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2020/09/06 | 02:14:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/06 | 02:14:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 02:14:28.0 | XRT_FOCUS_POSITION_406_OG [0x196] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 02:14:30.0 | AOCs_OrE-point_Start_1_OG [0x097] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2020/09/06 | 02:14:48.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | |
| 2020/09/06 | 02:14:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2020/09/06 | 02:14:52.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2020/09/06 | 02:14:54.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2020/09/06 | 02:14:56.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2020/09/06 | 02:17:26.0 | XRT_QT_PROG_SET_431_OG [0x1af] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/06 | 02:17:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0c | |
| 2020/09/06 | 02:17:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | |
| 2020/09/06 | 02:53:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/06 | 02:53:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 02:53:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----------------|
| 2020/09/06 | 02:53:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2020/09/06 | 02:56:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2020/09/06 | 03:13:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2020/09/06 | 03:14:30.5 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2020/09/06 | 04:24:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 04:24:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 04:24:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2020/09/06 | 04:24:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2020/09/06 | 04:27:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2020/09/06 | 04:50:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2020/09/06 | 04:51:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 05:30:00.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 05:30:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 05:30:04.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2020/09/06 | 05:30:24.0 | XRT_FLD_DIS_409_OG [0x199] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2020/09/06 | 05:30:26.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2020/09/06 | 05:30:28.0 | XRT_ARS_DIS_443_OG [0x1bb] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2020/09/06 | 05:33:04.0 | XRT_QT_PROG_SET_401_OG [0x191] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 07 |
| 2020/09/06 | 05:33:06.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2020/09/06 | 05:43:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 05:43:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2020/09/06 | 05:44:00.0 | AOCS_Ore-point_Start_3_OG [0x099] | AOCU_NM | 5 | 02-76 | 00 b3 75 01 f3 |
| 2020/09/06 | 05:44:16.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2020/09/06 | 05:44:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2020/09/06 | 05:44:20.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2020/09/06 | 05:44:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2020/09/06 | 05:44:24.0 | XRT_FLD_RESET_417_OG [0x1a1] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2020/09/06 | 05:46:56.0 | XRT_QT_PROG_SET_426_OG [0x1aa] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 12 |
| 2020/09/06 | 05:46:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d |
| 2020/09/06 | 05:47:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2020/09/06 | 06:00:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 06:00:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 06:00:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2020/09/06 | 06:00:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2020/09/06 | 06:03:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2020/09/06 | 06:28:00.5 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2020/09/06 | 06:29:00.5 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 07:41:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 07:41:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 07:41:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2020/09/06 | 07:41:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2020/09/06 | 07:44:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2020/09/06 | 08:05:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2020/09/06 | 08:06:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 09:20:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 09:20:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/06 | 09:20:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2020/09/06 | 09:20:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |

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|------------|------------|---|---|-------|----------------|--|
| 2020/09/06 | 09:23:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/06 | 09:41:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2020/09/06 | 09:42:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/06 | 11:01:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 11:01:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 11:01:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/06 | 11:01:36.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/06 | 11:04:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/06 | 11:13:00.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2020/09/06 | 11:14:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/06 | 12:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 12:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 12:59:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2020/09/06 | 13:00:00.0 | AOCS_Ore-point_Start_1_OG [0x097] AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | |
| 2020/09/06 | 13:00:18.0 | XRT_FLD_DIS_409_OG [0x199] MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2020/09/06 | 13:00:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2020/09/06 | 13:00:22.0 | XRT_ARS_DIS_443_OG [0x1bb] MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2020/09/06 | 13:02:58.0 | XRT_QT_PROG_SET_401_OG [0x191] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 07 | |
| 2020/09/06 | 13:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/06 | 14:36:54.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 14:36:56.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 14:36:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2020/09/06 | 14:37:18.0 | XRT_FLD_DIS_409_OG [0x199] MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2020/09/06 | 14:37:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2020/09/06 | 14:37:22.0 | XRT_ARS_DIS_443_OG [0x1bb] MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2020/09/06 | 14:39:58.0 | XRT_QT_PROG_SET_420_OG [0x1a4] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 | |
| 2020/09/06 | 14:40:00.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/06 | 14:53:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 14:53:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 14:53:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/06 | 14:53:36.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/06 | 14:54:30.0 | AOCS_Ore-point_Start_4_OG [0x09a] AOCU_NM | 5 | 02-76 | 00 d6 36 b7 8e | |
| 2020/09/06 | 14:56:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/06 | 16:24:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 16:24:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 16:24:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/06 | 16:24:06.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/06 | 16:27:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/06 | 16:47:00.0 | AOCS_Ore-point_Start_5_OG [0x09b] AOCU_NM | 5 | 02-76 | 00 00 00 ac cd | |
| 2020/09/06 | 18:00:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 18:00:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 18:00:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/06 | 18:00:06.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/06 | 18:03:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/06 | 19:37:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 19:37:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 19:37:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/06 | 19:37:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | | | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|
| 2020/09/06 | 19:40:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e8 | |
| 2020/09/06 | 20:00:30.0 | AOCS_Ore-point_Start_6_OG [0x09c] | AOCU_NM | 5 | 02-76 | 00 29 ca b7 8e | |
| 2020/09/06 | 21:14:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 21:14:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 21:14:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/06 | 21:14:06.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/06 | 21:17:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | AOCU_NM | 5 | 02-76 | 00 b4 b5 db 75 | |
| 2020/09/06 | 21:37:30.0 | AOCS_Ore-point_Start_7_OG [0x09d] | AOCU_NM | 5 | 02-76 | 00 b4 b5 db 75 | |
| 2020/09/06 | 22:51:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 22:51:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/06 | 22:51:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/06 | 22:51:36.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/06 | 22:54:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 00:29:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 00:29:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 00:29:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 00:29:06.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 00:29:08.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 00:32:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 00:39:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 00:39:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 00:39:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2020/09/07 | 00:40:00.0 | AOCS_Ore-point_Start_8_OG [0x09e] | AOCU_NM | 5 | 02-76 | 00 00 00 d6 67 | |
| 2020/09/07 | 00:40:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2020/09/07 | 00:40:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2020/09/07 | 00:40:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2020/09/07 | 00:40:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2020/09/07 | 00:40:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 00:42:56.0 | XRT_QT_PROG_SET_405_OG [0x195] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 04 | |
| 2020/09/07 | 00:42:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | |
| 2020/09/07 | 00:43:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/07 | 01:55:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 01:55:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 01:55:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 01:55:36.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 01:55:36.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 01:58:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 02:11:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2020/09/07 | 02:12:30.5 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/07 | 03:27:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 03:27:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 03:27:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 03:27:36.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 03:27:36.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 03:30:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 03:47:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 03:48:00.0 | AOCS_Ore-point_Start_9_OG [0x09f] | AOCU_NM | 5 | 02-76 | 00 4b 4b db 75 | |
| 2020/09/07 | 04:56:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 04:56:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 04:56:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |

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|------------|------------|------------------------------------|---------------------|---|-------|----------------|--|
| 2020/09/07 | 04:56:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/07 | 04:59:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 06:36:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 06:36:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 06:36:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 06:36:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/07 | 06:39:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 07:03:00.0 | AOCS_OrE-point_Start_10_OG [0x0a0] | AOCU_NM | 5 | 02-76 | 00 ac 5b 00 00 | |
| 2020/09/07 | 08:17:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 08:17:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 08:17:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 08:17:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/07 | 08:20:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 09:56:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 09:56:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 09:56:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 09:56:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/07 | 09:59:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 10:15:30.0 | AOCS_OrE-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | |
| 2020/09/07 | 10:56:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 10:56:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 10:56:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2020/09/07 | 10:57:18.0 | XRT_FLD_DIS_409_OG [0x199] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2020/09/07 | 10:57:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2020/09/07 | 10:57:22.0 | XRT_ARS_DIS_443_OG [0x1bb] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2020/09/07 | 10:59:58.0 | XRT_QT_PROG_SET_420_OG [0x1a4] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 | |
| 2020/09/07 | 11:00:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/07 | 11:39:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 11:39:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 11:39:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 11:39:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/07 | 11:42:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 12:26:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 12:26:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 12:26:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2020/09/07 | 12:27:18.0 | XRT_FLD_DIS_409_OG [0x199] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2020/09/07 | 12:27:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2020/09/07 | 12:27:22.0 | XRT_ARS_DIS_443_OG [0x1bb] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2020/09/07 | 12:29:58.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 03 | |
| 2020/09/07 | 12:30:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/07 | 12:51:30.0 | AOCS_OrE-point_Start_11_OG [0x0a1] | AOCU_NM | 5 | 02-76 | 00 53 a5 00 00 | |
| 2020/09/07 | 15:24:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 15:24:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 15:24:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 15:24:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/07 | 15:27:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |

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| 2020/09/07 | 15:34:00.0 | AOCS_ORe-point_Start_12_OG [0x0a2] AOCU_NM | 5 | 02-76 | 00 | b4 b5 24 8b |
| 2020/09/07 | 16:58:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 16:58:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 16:58:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 16:58:06.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/07 | 17:01:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 18:35:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 18:35:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 18:35:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 18:35:06.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/07 | 18:38:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 18:58:24.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 18:58:26.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 18:58:28.0 | XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2020/09/07 | 18:58:30.0 | AOCS_ORe-point_Start_13_OG [0x0a3] AOCU_NM | 5 | 02-76 | 00 00 00 29 99 | |
| 2020/09/07 | 18:58:48.0 | XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2020/09/07 | 18:58:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2020/09/07 | 18:58:52.0 | XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2020/09/07 | 18:58:54.0 | XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2020/09/07 | 18:58:56.0 | XRT_FLD_RESET_434_OG [0x1b2] MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 19:01:26.0 | XRT_QT_PROG_SET_405_OG [0x195] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 04 | |
| 2020/09/07 | 19:01:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | |
| 2020/09/07 | 19:01:30.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/07 | 20:11:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 20:11:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 20:11:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 20:11:36.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/07 | 20:14:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 20:35:00.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2020/09/07 | 20:36:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/09/07 | 21:49:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 21:49:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 21:49:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 21:49:06.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/07 | 21:52:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/07 | 22:12:00.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 22:12:30.0 | AOCS_ORe-point_Start_14_OG [0x0a4] AOCU_NM | 5 | 02-76 | 00 4b 4b 24 8b | |
| 2020/09/07 | 23:26:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 23:26:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/07 | 23:26:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/07 | 23:26:36.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/07 | 23:29:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/09/08 | 01:03:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/08 | 01:03:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/09/08 | 01:03:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/09/08 | 01:03:36.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/09/08 | 01:06:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |

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|------------|------------|---|---|-------|----|----|----|----|----|
| 2020/09/08 | 01:11:30.0 | AOCS_OrE-point_Start_15_OG [0x0a5] AOCU_NM | 5 | 02-76 | 00 | d6 | 36 | 48 | 72 |
| 2020/09/08 | 02:27:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2020/09/08 | 02:27:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2020/09/08 | 02:27:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2020/09/08 | 02:27:06.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | | |
| 2020/09/08 | 02:30:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | | |
| 2020/09/08 | 02:46:00.0 | AOCS_OrE-point_Start_16_OG [0x0a6] AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 53 | 33 |
| 2020/09/08 | 04:02:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2020/09/08 | 04:02:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2020/09/08 | 04:02:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2020/09/08 | 04:02:06.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | | |
| 2020/09/08 | 04:05:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | | |
| 2020/09/08 | 05:00:00.0 | XRT_CTRL_MANU_418_OG [0x1a2] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2020/09/08 | 05:00:10.0 | XRT_FOCUS_RECALIBRATE_427_OG [0x1ab] XRT_FOCUS_RECAL | 2 | 07-F8 | 78 | 00 | | | |
| 2020/09/08 | 05:04:10.0 | XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2020/09/08 | 05:32:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2020/09/08 | 05:32:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2020/09/08 | 05:32:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2020/09/08 | 05:32:06.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | | |
| 2020/09/08 | 05:35:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | | |
| 2020/09/08 | 06:00:30.0 | AOCS_OrE-point_Start_17_OG [0x0a7] AOCU_NM | 5 | 02-76 | 00 | 29 | db | 48 | 72 |
| 2020/09/08 | 07:12:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2020/09/08 | 07:12:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2020/09/08 | 07:12:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2020/09/08 | 07:12:36.0 | XRT_PREFLR_STRT_407_OG [0x197] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | | |
| 2020/09/08 | 07:15:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | | |
| 2020/09/08 | 07:39:54.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2020/09/08 | 07:39:56.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2020/09/08 | 07:39:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2020/09/08 | 07:40:00.0 | AOCS_OrE-point_Start_1_OG [0x097] AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2020/09/08 | 07:40:18.0 | XRT_FLD_DIS_409_OG [0x199] MDP_XRT_FLD_DIS | 1 | 07-F0 | | d9 | | | |
| 2020/09/08 | 07:40:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | | c9 | | | |
| 2020/09/08 | 07:40:22.0 | XRT_ARS_DIS_443_OG [0x1bb] MDP_XRT_ARS_DIS | 1 | 07-F0 | | d5 | | | |
| 2020/09/08 | 07:42:58.0 | XRT_QT_PROG_SET_420_OG [0x1a4] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 | | | |
| 2020/09/08 | 07:43:00.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2020/09/08 | 08:00:00.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2020/09/08 | 08:00:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2020/09/08 | 08:00:04.0 | XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2020/09/08 | 08:00:24.0 | XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA | 1 | 07-F0 | | d8 | | | |
| 2020/09/08 | 08:00:26.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | | c8 | | | |
| 2020/09/08 | 08:00:28.0 | XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET | 1 | 07-F0 | | d0 | | | |
| 2020/09/08 | 08:00:30.0 | XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS | 1 | 07-F0 | | d5 | | | |
| 2020/09/08 | 08:00:32.0 | XRT_FLD_RESET_434_OG [0x1b2] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2020/09/08 | 08:03:02.0 | XRT_QT_PROG_SET_431_OG [0x1af] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0c | | | |
| 2020/09/08 | 08:03:04.0 | XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | | | |
| 2020/09/08 | 08:03:06.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2020/09/08 | 08:52:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |

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|------------|------------|-----------------------------------|---------------------------|---|-------|----------------|
| 2020/09/08 | 08:52:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/08 | 08:52:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/08 | 08:52:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2020/09/08 | 08:55:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2020/09/08 | 09:14:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2020/09/08 | 09:15:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | |
| 2020/09/08 | 10:32:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2020/09/08 | 10:32:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/08 | 10:32:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2020/09/08 | 10:32:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2020/09/08 | 10:35:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2020/09/08 | 11:07:00.0 | AOCS_OrE-point_Start_1_OG [0x097] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| | | AOCU_NM | | 5 | 02-76 | 00 00 00 00 00 |