

XRT Timeline to be uploaded on 2018/07/12

Period: 2018/07/12 10:25:00 - 2018/07/17 10:38:00

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Normal mode

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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 |
|---------------------------------|---|----------------------------------|
| 07/12 11:11:30 - 07/12 11:41:24 | Fixed (-18.0, -1001.0) | # OP start + 10min, HOP79 (1/20) |
| 07/12 11:44:30 - 07/12 12:20:00 | Fixed (-18.0, -901.0) | HOP79 (2/20) |
| 07/12 12:53:00 - 07/12 13:19:54 | Fixed (-18.0, -801.0) | HOP79 (3/20) |
| 07/12 13:23:00 - 07/12 13:58:30 | Fixed (-18.0, -701.0) | HOP79 (4/20) |
| 07/12 14:31:00 - 07/12 14:57:54 | Fixed (-18.0, -601.0) | HOP79 (5/20) |
| 07/12 15:01:00 - 07/12 15:36:30 | Fixed (-18.0, -501.0) | HOP79 (6/20) |
| 07/12 16:24:00 - 07/12 16:59:54 | Fixed (-18.0, -401.0) | HOP79 (7/20) |
| 07/12 17:58:00 - 07/12 18:53:30 | Fixed (-18.0, -301.0) | HOP79 (8/20) |
| 07/12 19:38:00 - 07/12 20:32:00 | Fixed (-18.0, -201.0) | HOP79 (9/20) |
| 07/12 21:15:00 - 07/12 22:10:00 | Fixed (-18.0, -101.0) | HOP79 (10/20) |
| 07/12 22:51:00 - 07/12 23:48:30 | Fixed (-18.0, -11.0) | HOP79 (11/20) |
| 07/13 00:21:30 - 07/13 00:48:24 | Fixed (-18.0, 89.0) | HOP79 (12/20) |
| 07/13 00:51:30 - 07/13 01:27:00 | Fixed (-18.0, 189.0) | HOP79 (13/20) |
| 07/13 01:59:30 - 07/13 02:26:24 | Fixed (-18.0, 289.0) | HOP79 (14/20) |
| 07/13 02:29:30 - 07/13 03:01:00 | Fixed (-18.0, 389.0) | HOP79 (15/20) |
| 07/13 03:38:00 - 07/13 04:29:30 | Fixed (-18.0, 489.0) | HOP79 (16/20) |
| 07/13 05:16:30 - 07/13 05:42:24 | Fixed (-18.0, 589.0) | HOP79 (17/20) |
| 07/13 05:55:30 - 07/13 07:49:54 | Fixed (-18.0, 689.0) | HOP79 (18/20) |
| 07/13 10:08:30 - 07/13 10:37:54 | Fixed (-18.0, 789.0) | HOP79 (19/20) |
| 07/13 10:41:00 - 07/13 11:12:30 | Fixed (-18.0, 889.0) | HOP79 (20/20) |
| 07/13 18:33:00 - 07/14 00:59:54 | Track (-155.3, -361.4) ^{07/13 18:00:00} | QS bright points |

PROG= 19 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 |
| └─ 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 #1B8B: Synoptic Q95 2x2 - Al/mesh(64/512/2048) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(45/512/4096) + T

| Term | Pointing (x, y) | Comment |
|---------------------------------|-------------------|--|
| 07/12 17:03:00 - 07/12 17:12:00 | Fixed (0.0, 0.0) | synoptic, shifted -1hour, XRT stay light |
| 07/13 05:45:30 - 07/13 05:52:24 | Fixed (0.0, 0.0) | synoptic, shifted -17.5 min |
| 07/13 17:39:30 - 07/13 17:47:30 | Fixed (0.0, 0.0) | synoptic, shifted -23.5 min, XRT stray light |

PROG= 02 1-time(s)

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|-----------------|------------------|--------|------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| 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= 27 | 1-time(s) | 2.0sec | | | | | | | | | | |
| └─ Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 63ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 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 |
| └─ Seqn= 99 | 1-time(s) | 2.0sec | | | | | | | | | | |
| └─ Al-poly/Open | Al-poly/Open | close | Safe | Norm | 44ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 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 | 4.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| └─ Seqn= 85 | 1-time(s) | 2.0sec | | | | | | | | | | |
| └─ thin-Be/Open | thin-Be/Open | close | Safe | Norm | 354ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| └─ thin-Be/Open | thin-Be/Open | close | Safe | Norm | 2.83s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| └─ thin-Be/Open | thin-Be/Open | close | Safe | Norm | 16.0s | 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 #1C02: Stray light study 2018-8 ;Al-mesh and Al-poly, 2x2 full FOV(1min-cad) and 1x1 384 on AR(10sec-cad)

| Term | Pointing (x, y) | Comment |
|---------------------------------|-------------------|--|
| 07/12 17:14:30 - 07/12 17:39:54 | Fixed (0.0, 0.0) | synoptic, shifted -1hour, XRT stay light |

PROG= 04 1-time(s)

| | | | | | | | | | | | | |
|---------|------------|--------|--|--|--|--|--|--|--|--|--|--|
| Subr= 2 | 15-time(s) | 2.0sec | | | | | | | | | | |
|---------|------------|--------|--|--|--|--|--|--|--|--|--|--|

| | | | | | | | | | | | | | |
|-----------------------------------|----------------|------------------|-------|------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| Subr= 3 7-time(s) 2.0sec | | | | | | | | | | | | | |
| Seqn= 59 1-time(s) 2.0sec | | | | | | | | | | | | | |
| | Al-poly/Open | Al-poly/thick-Al | close | Safe | Norm | 2.83s | Obs | 2x2 | 2048x2048 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| | thin-Be/Open | thin-Be/Open | close | Safe | Norm | 11.3s | Obs | 2x2 | 2048x2048 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| Seqn= 79 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 #1BEA: HOP349 - 3-filter Synoptics (Al-mesh[24/256/2897], Al-poly[45/512/4096], thin-Be[1024/11571/23142] with 512x512 G-band+Leak - 45min cad) +

| Term | Pointing (x, y) | Comment |
|---------------------------------|-------------------------------------|-------------------|
| 07/14 01:03:00 - 07/14 02:59:54 | Track (-9.2, 0.0) @ 07/14 01:00:00 | HOP349, EIS atlas |

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|------------------------------------|----------------|------------------|-------|------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| PROG= 03 Inf.-time(s) | | | | | | | | | | | | | |
| Subr= 1 1-time(s) 300.0sec | | | | | | | | | | | | | |
| Seqn= 1 1-time(s) 2.0sec | | | | | | | | | | | | | |
| | Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 24ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| | Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 250ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| | Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 2.83s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Seqn= 99 1-time(s) 2.0sec | | | | | | | | | | | | | |
| | Al-poly/Open | Al-poly/Open | close | Safe | Norm | 44ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 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 | 4.00s | 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= 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 18-time(s) 150.0sec | | | | | | | | | | | | | |
| 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 #1BD8: Synoptic 7 Filter w/ Al-mesh(64/512/2897), Al-poly(45/512/4096), Thin-Be(1024/11571/23142) - Thick-Be(65536), Al-poly+Ti-poly(512/8192), Med

| Term | Pointing (x, y) | Comment |
|---------------------------------|-------------------|----------|
| 07/14 06:03:00 - 07/14 06:09:54 | Fixed (0.0, 0.0) | synoptic |

| | | | | | | | | | | | | | |
|----------------------------------|-----------------|------------------|-------|------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| PROG= 18 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= 36 1-time(s) 2.0sec | | | | | | | | | | | | | |
| | Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 63ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 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 | 2.83s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Seqn= 99 1-time(s) 2.0sec | | | | | | | | | | | | | |
| | Al-poly/Open | Al-poly/Open | close | Safe | Norm | 44ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 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 | 4.00s | 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= 25 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 | |

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Flare mode

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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 512

| Term | Pointing (x, y) | Comment |
|---------------------------------|--|----------------------------------|
| 07/12 11:11:30 - 07/12 11:41:24 | Fixed (-18.0, -1001.0) | # OP start + 10min, HOP79 (1/20) |
| 07/12 11:44:30 - 07/12 12:20:00 | Fixed (-18.0, -901.0) | HOP79 (2/20) |
| 07/12 12:53:00 - 07/12 13:19:54 | Fixed (-18.0, -801.0) | HOP79 (3/20) |
| 07/12 13:23:00 - 07/12 13:58:30 | Fixed (-18.0, -701.0) | HOP79 (4/20) |
| 07/12 14:31:00 - 07/12 14:57:54 | Fixed (-18.0, -601.0) | HOP79 (5/20) |
| 07/12 15:01:00 - 07/12 15:36:30 | Fixed (-18.0, -501.0) | HOP79 (6/20) |
| 07/12 16:24:00 - 07/12 16:59:54 | Fixed (-18.0, -401.0) | HOP79 (7/20) |
| 07/12 17:58:00 - 07/12 18:53:30 | Fixed (-18.0, -301.0) | HOP79 (8/20) |
| 07/12 19:38:00 - 07/12 20:32:00 | Fixed (-18.0, -201.0) | HOP79 (9/20) |
| 07/12 21:15:00 - 07/12 22:10:00 | Fixed (-18.0, -101.0) | HOP79 (10/20) |
| 07/12 22:51:00 - 07/12 23:48:30 | Fixed (-18.0, -11.0) | HOP79 (11/20) |
| 07/13 00:21:30 - 07/13 00:48:24 | Fixed (-18.0, 89.0) | HOP79 (12/20) |
| 07/13 00:51:30 - 07/13 01:27:00 | Fixed (-18.0, 189.0) | HOP79 (13/20) |
| 07/13 01:59:30 - 07/13 02:26:24 | Fixed (-18.0, 289.0) | HOP79 (14/20) |
| 07/13 02:29:30 - 07/13 03:01:00 | Fixed (-18.0, 389.0) | HOP79 (15/20) |
| 07/13 03:38:00 - 07/13 04:29:30 | Fixed (-18.0, 489.0) | HOP79 (16/20) |
| 07/13 05:16:30 - 07/13 05:42:24 | Fixed (-18.0, 589.0) | HOP79 (17/20) |
| 07/13 05:55:30 - 07/13 07:49:54 | Fixed (-18.0, 689.0) | HOP79 (18/20) |
| 07/13 08:30:00 - 07/13 09:29:30 | Fixed (-18.0, -56.0) | HOP321 |
| 07/13 10:08:30 - 07/13 10:37:54 | Fixed (-18.0, 789.0) | HOP79 (19/20) |
| 07/13 10:41:00 - 07/13 11:12:30 | Fixed (-18.0, 889.0) | HOP79 (20/20) |
| 07/13 11:48:00 - 07/13 17:36:24 | Track (-278.3, -56.5) @ 07/13 11:45:00 | Active region |
| 07/13 18:33:00 - 07/14 00:59:54 | Track (-155.3, -361.4) @ 07/13 18:00:00 | QS bright points |
| 07/14 01:03:00 - 07/14 01:51:54 | Track (-9.2, 0.0) @ 07/14 01:00:00 | HOP349, EIS atlas |
| 07/14 01:55:00 - 07/14 02:59:54 | Track (-9.2, 0.0) @ 07/14 01:00:00 | HOP349, EIS atlas |
| 07/14 03:03:00 - 07/14 05:59:54 | Track (-141.8, -59.8) @ 07/14 03:00:00 | Active region |
| 07/14 06:13:00 - 07/14 07:49:54 | Track (-113.0, -60.3) @ 07/14 06:10:00 | Active region |
| 07/14 07:53:00 - 07/14 10:06:00 | Fixed (-18.0, -56.0) | HOP321 |

PROG= 13 30-time(s)

| Subr= | 1-time(s) | 2.0sec | | | | | | | | | | |
|----------------|------------------------|-----------|-------|---------|----------------------|------|-----|--------------------|--------|------------|----------|--|
| 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

* * * * *

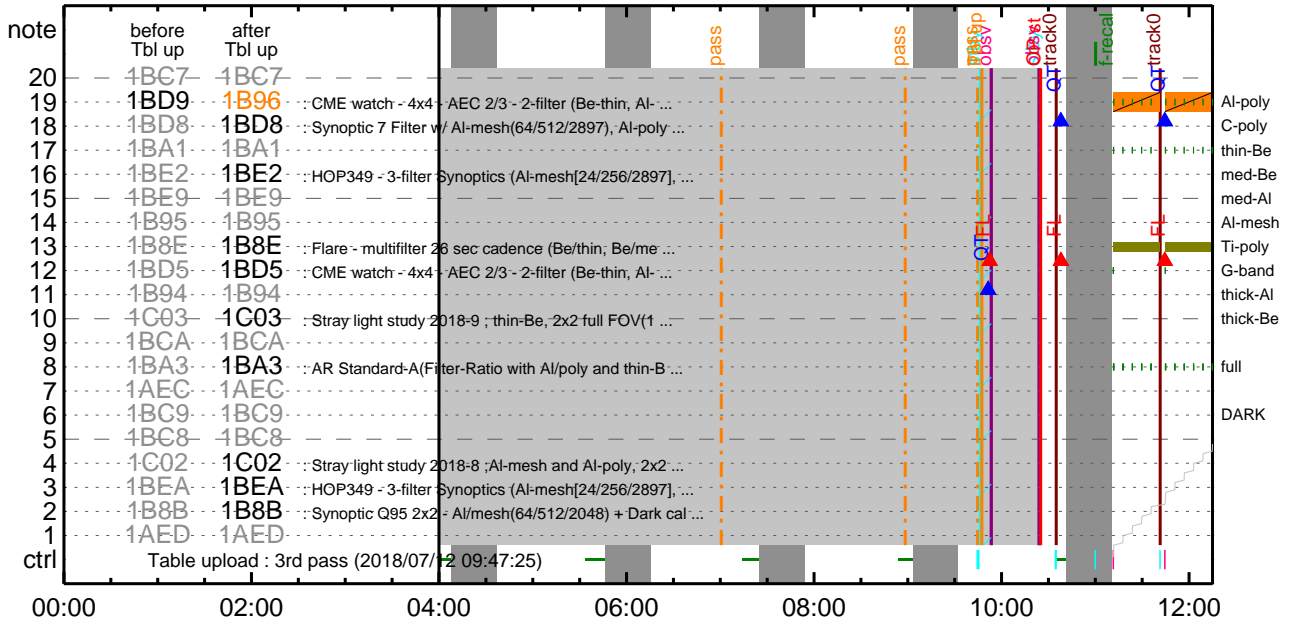
Flare Detection

* * * * *

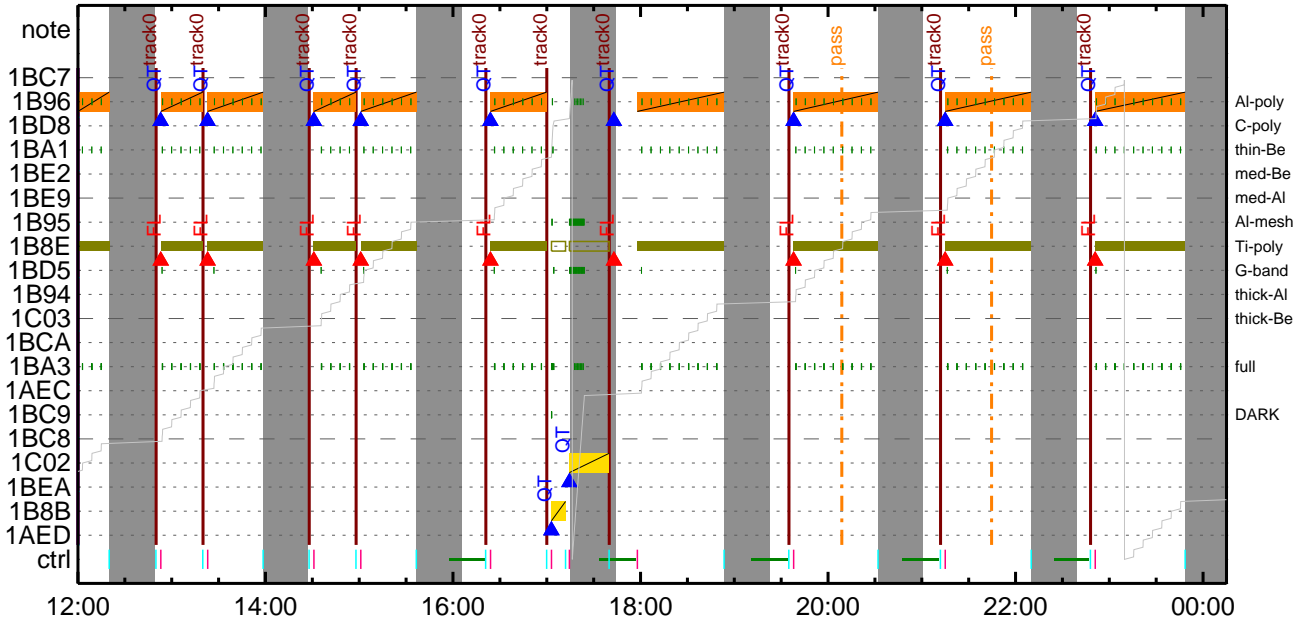
FLD Patrol

| Term | Pointing (x, y) | Comment |
|---------------------------------|--|--|
| 07/12 17:40:16 - 07/13 05:42:46 | Fixed (-18.0, -301.0) | HOP79 (8/20) |
| 07/13 05:52:46 - 07/13 17:36:46 | Fixed (-18.0, 689.0) | HOP79 (18/20) |
| 07/13 18:00:16 - 07/14 06:00:18 | Track (-155.3, -361.4) @ 07/13 18:00:00 | QS bright points |
| 07/14 06:10:16 - 07/17 10:38:00 | Track (-113.0, -60.3) @ 07/14 06:10:00 | Active region |
| 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 |

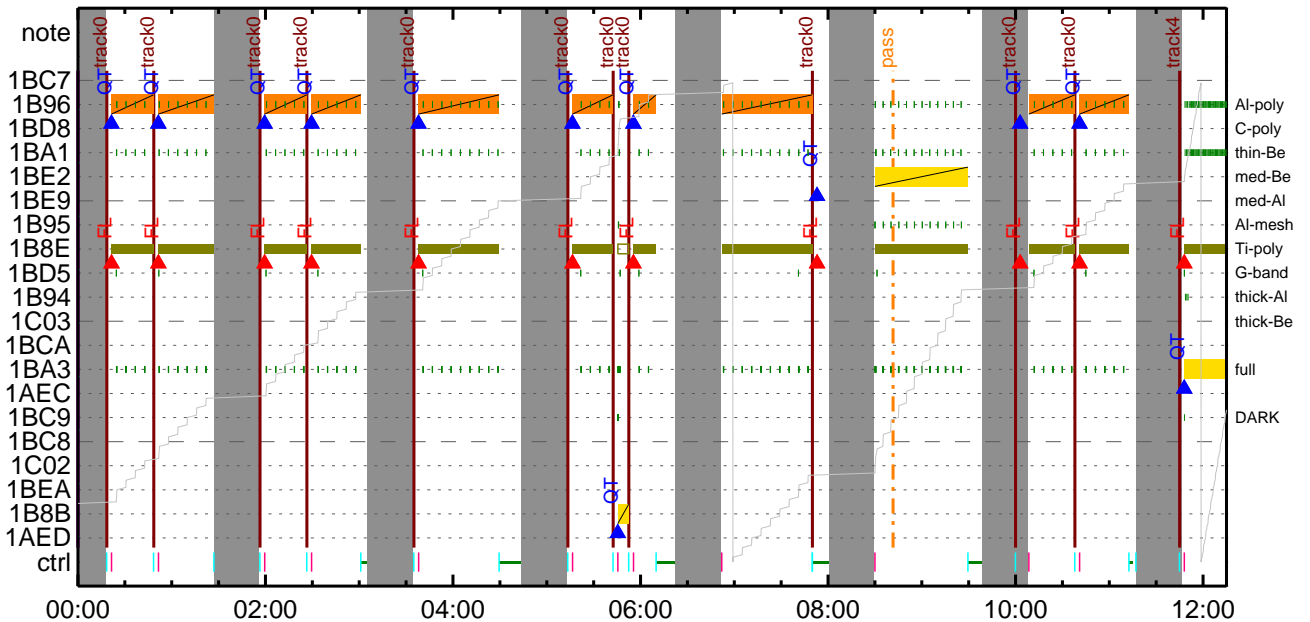
CMDI #0620 2018/07/12



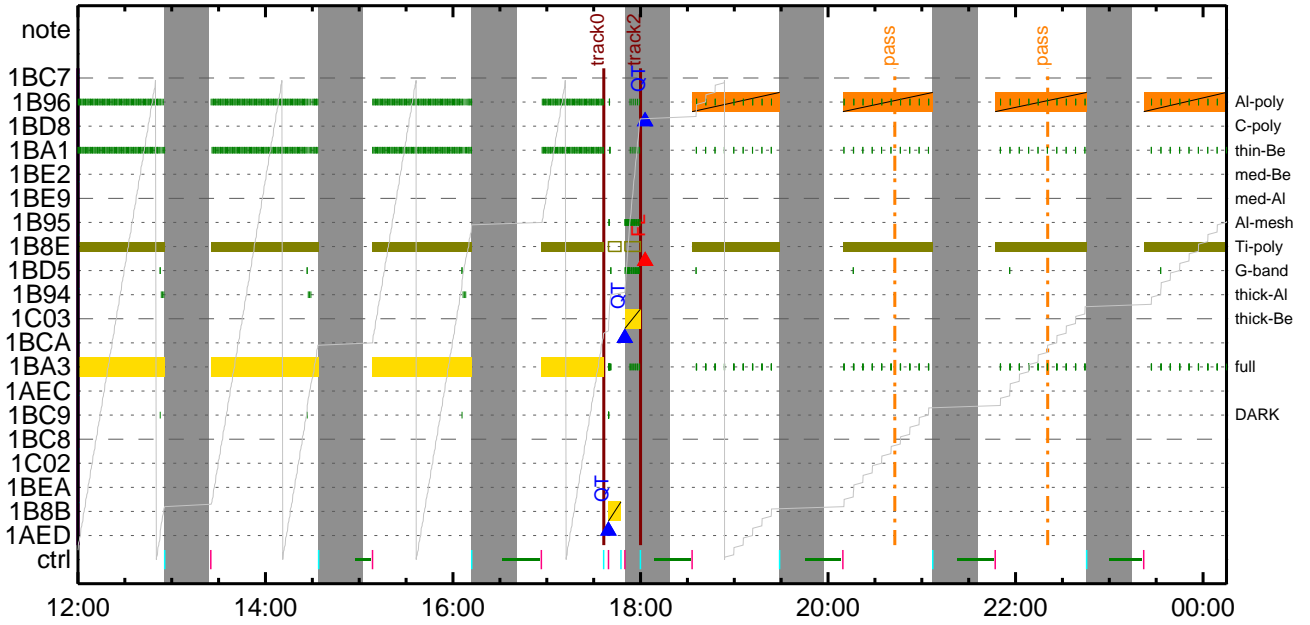
CMDI #0620 2018/07/12



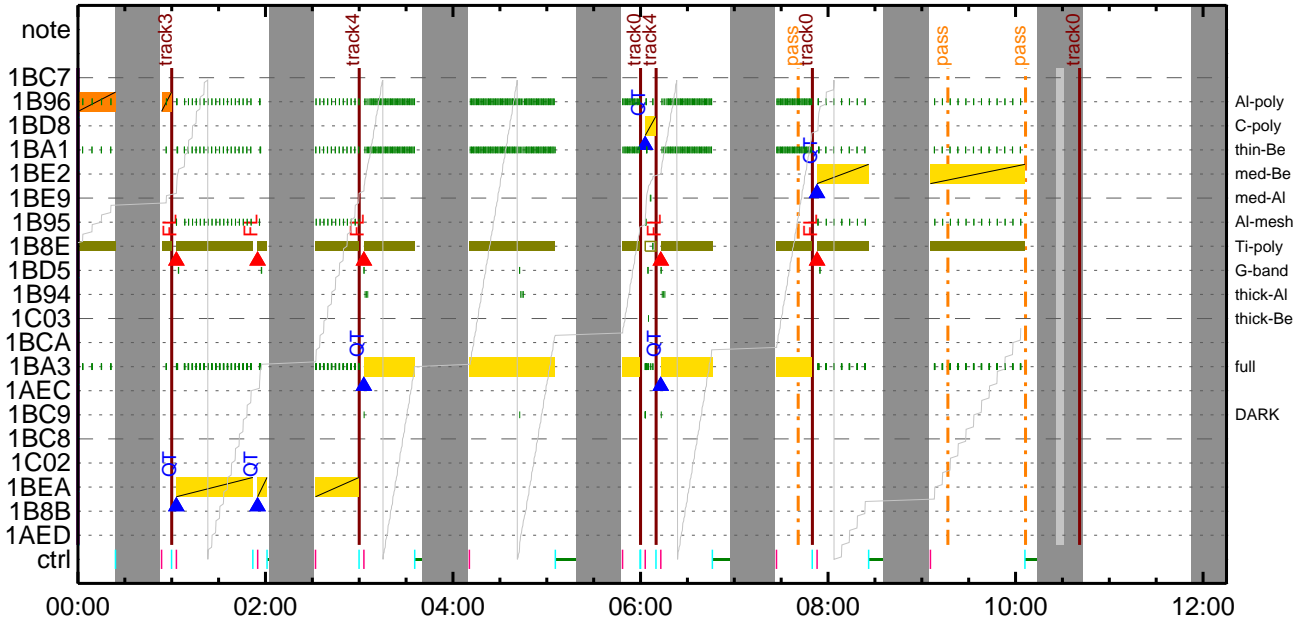
CMDI #0620 2018/07/13



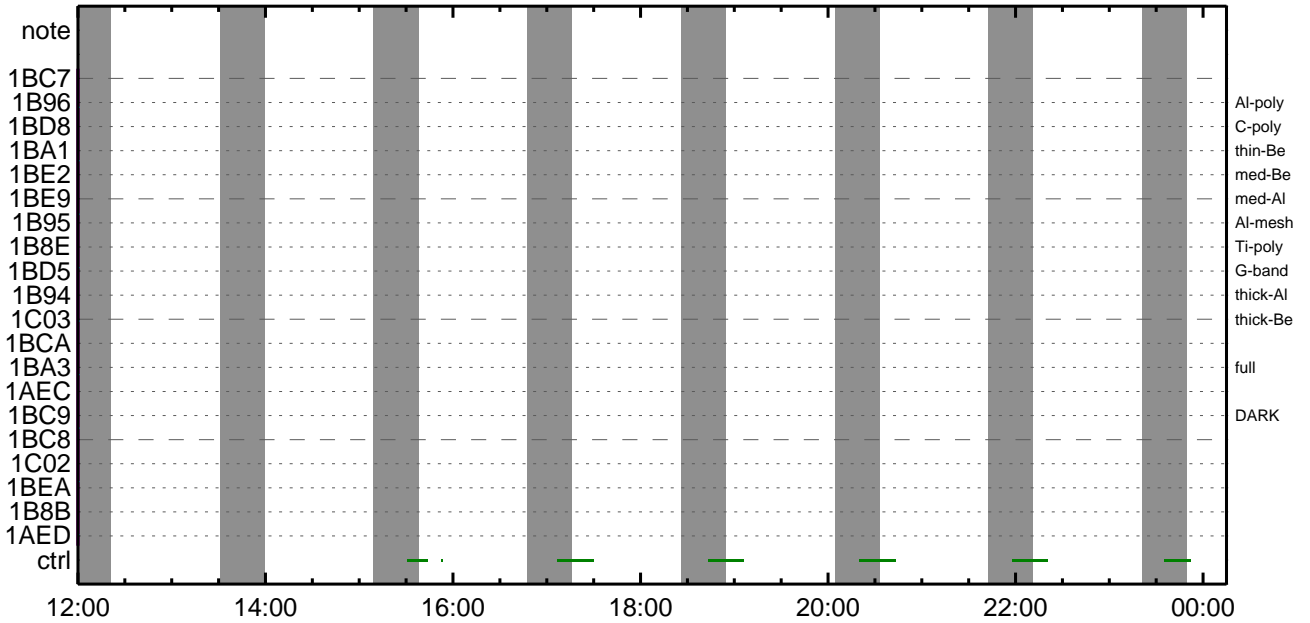
CMDI #0620 2018/07/13



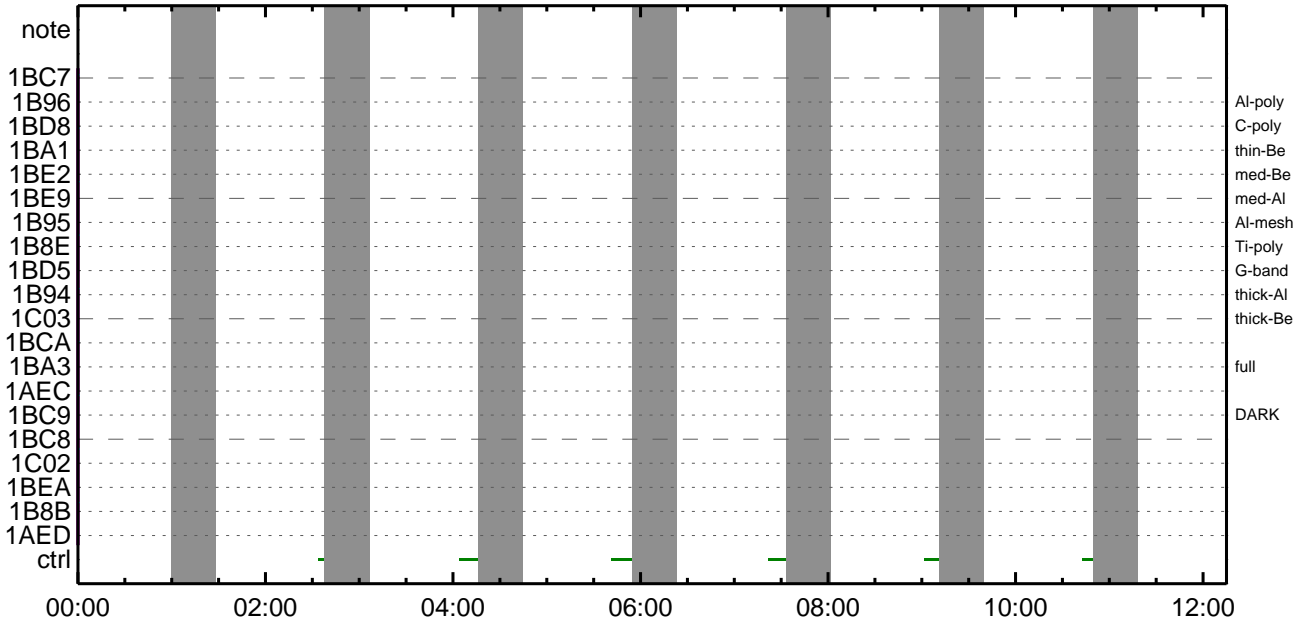
CMDI #0620 2018/07/14



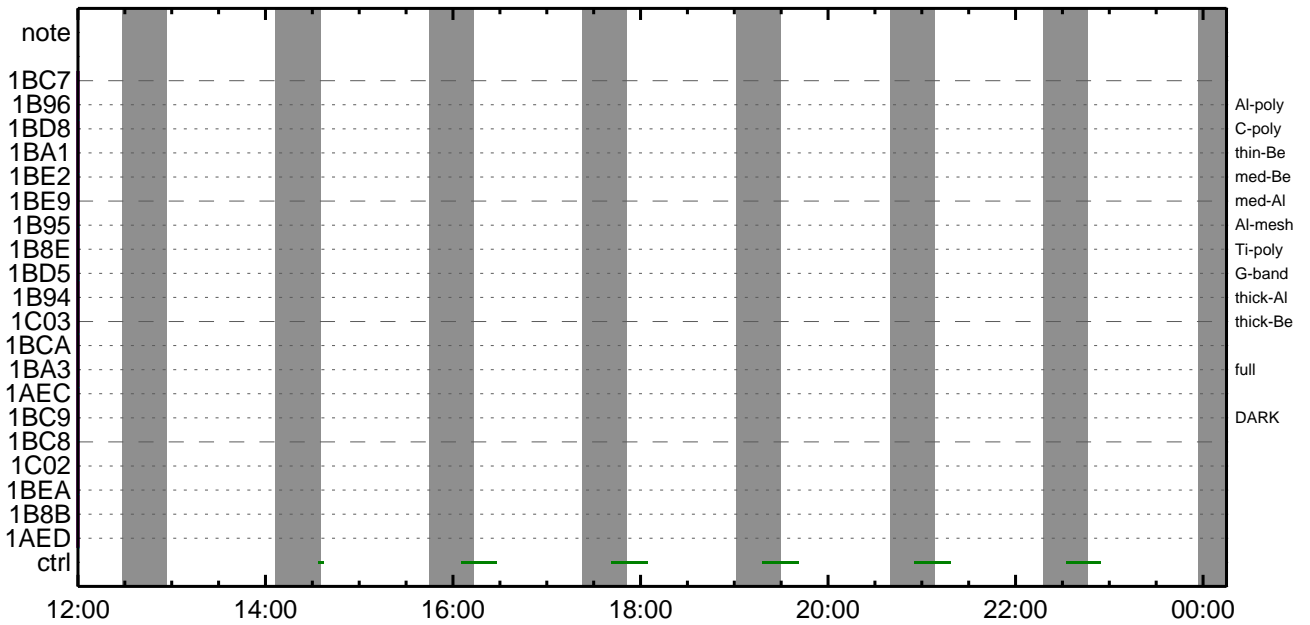
CMDI #0620 2018/07/14



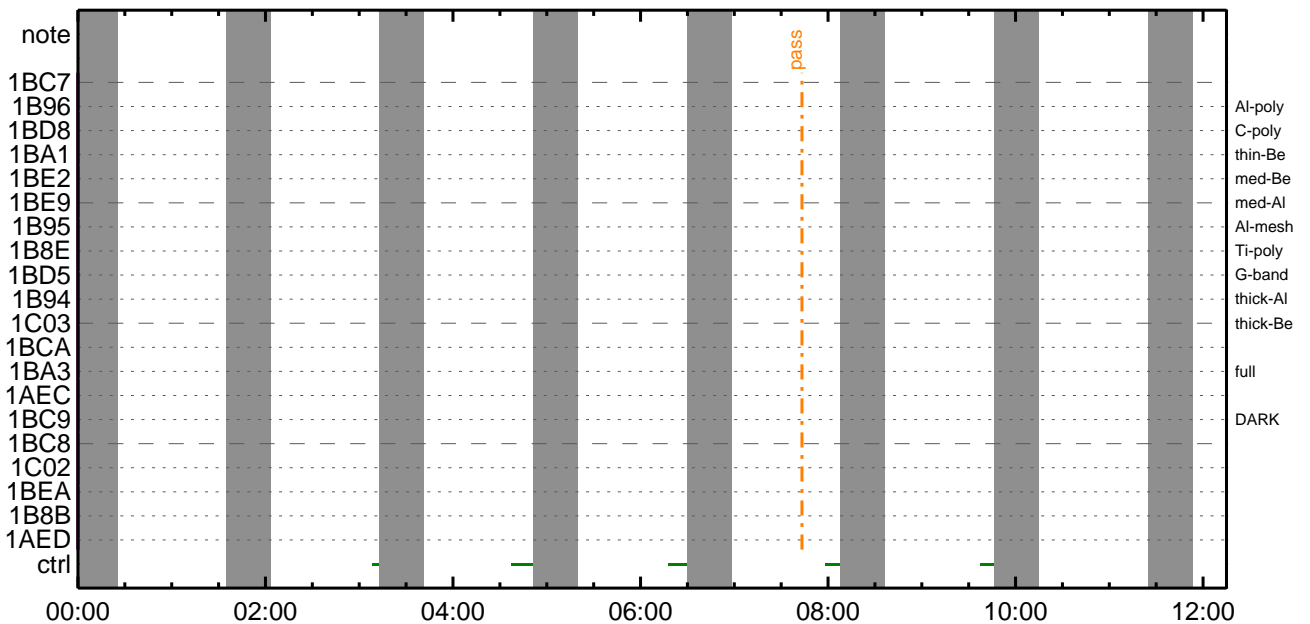
CMDI #0620 2018/07/15



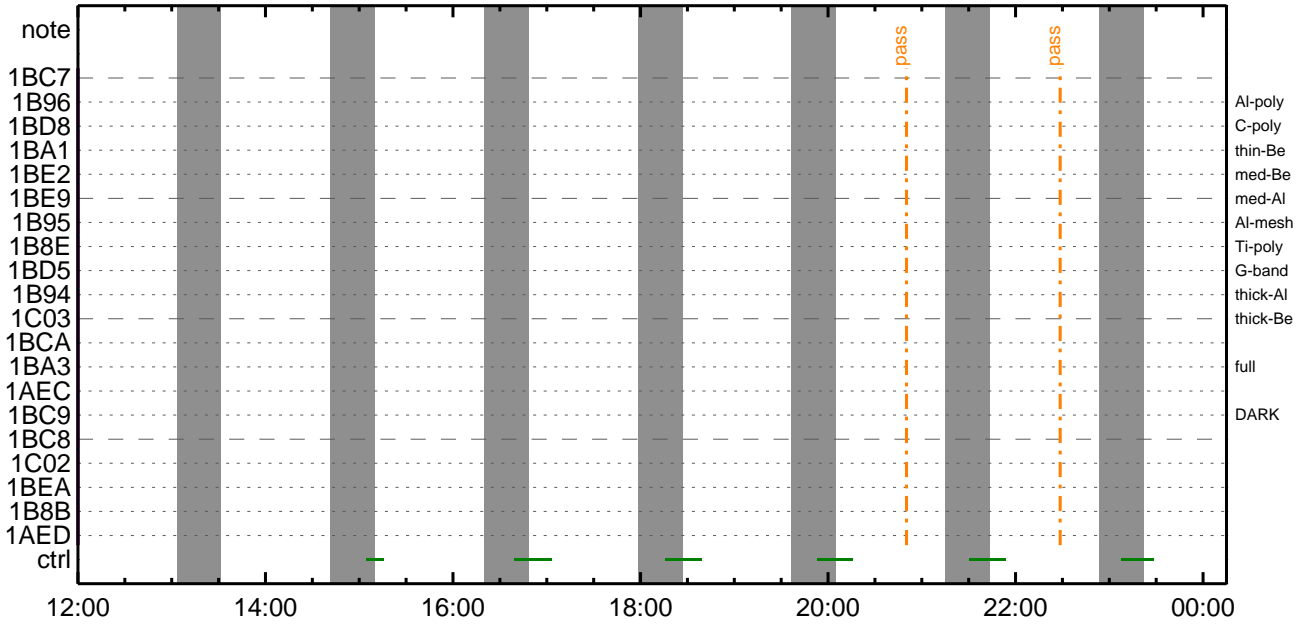
CMDI #0620 2018/07/15



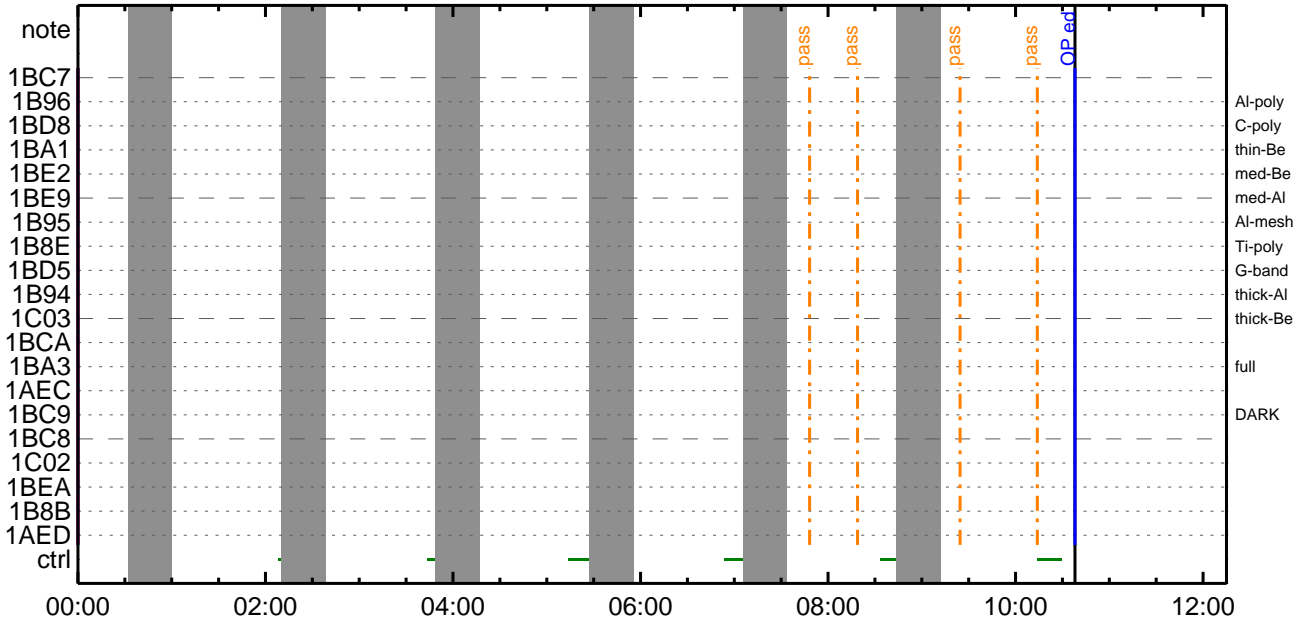
CMDI #0620 2018/07/16



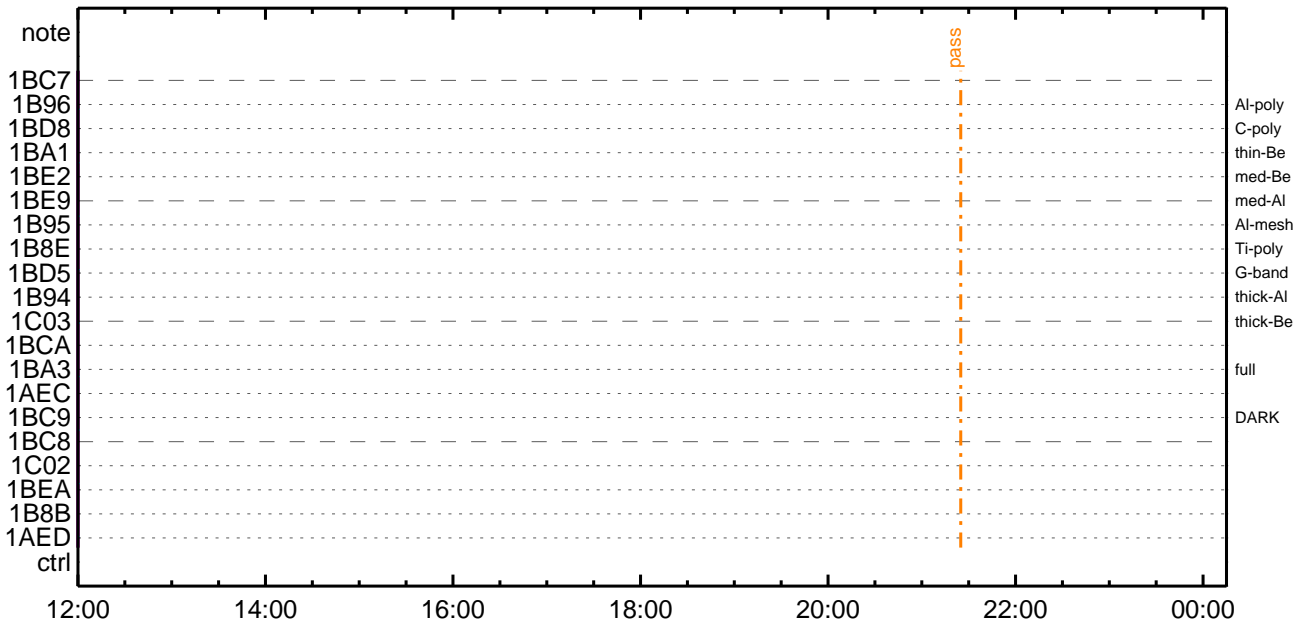
CMDI #0620 2018/07/16



CMDI #0620 2018/07/17



CMDI #0620 2018/07/17




```

0096 C.          SET EDUMP I±°iYÑY¹aÇ¹Öa|a³aE;f
0097 C.
0098 C. TIY³YFYYÖYÉaðdÄDİ¿(UT)
0099 +. TI 2018-07-12 10:20:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0102 C.
0103 +. TI 2018-07-12 10:20:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0106 C.
0107 +. TI 2018-07-12 10:20:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0110 C.
0111 +. TI 2018-07-12 10:24:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0114 C.
0115 C. °E²¼aİÄè%îÍÑaİYÁY§YÄY-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. TIİİ°èYÄYÖY×
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC          (03 ab 03 01 02)
0128 C.          ÇÇ[HK1_DMP_TOP_ADRS_1]    EQ          07
0129 C.          ÇÇ[HK1_DMP_TOP_ADRS_0]    EQ          2B
0130 C.          ÇÇ[HK1_DMP_BLOCK_NUM]     EQ          3
0131 C.          ÇÇ[HK1_DMP_REPEAT_NUM]    EQ          0
0132 C.          ÇÇ[HK1_DMA_DMP_PIM]      EQ          DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC          (07 0b f8)
0135 C.          ÇÇ[HK1_PKT_FORM_NO]       EQ          7
0136 C.          ÇÇ[HK1_PKT_GEN_TIME]      EQ          0.25 s
0137 C.          ÇÇ[HK1_S_TLM_BIT_RATE]    EQ          32k
0138 C.          ÇÇ[HK1_X_TLM_BIT_RATE]   EQ          4M
0139 C.          ÇÇ[HK1_DMP_CHK_FLG]      EQ          EXEC
0140 C.
0141 C. YÄYÖY×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, Yİ;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 2018-07-12 10:24:30.0
0161 DC 07-FC EIS_MODE_MANU
0162 BC          (21 02)
0163 +. TI 2018-07-12 10:24:40.0
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 2018-07-12 10:24:00.0
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 ´úÄîaİ»ö¼YªÈÄa¹aèDCBC•x²è *****
0181 C. (%ã°İYÖYÄYÈYFYYÈYÄYÇYèaÈ¼aª¼Ä»Ü¹aè)
0182 C. S. DC-BC dcbc-402:DCBC
0183 C. (MDP_known_event)
0184 C.
0185 C.
0186 C. ***** YDÿ¹.İ Daily±¿İÑaÈ¹Øa¹aèDCBC•x²è *****
0187 C. S. DC-BC dcbc-153:DCBC
0188 C. (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189 C.
0190 C.
0191 C. ;ãLOS¥ÄY§YÄY-¼Ä»Ü;ä
0192 C.
0193 C. ***** LOS *****

```


(a) Spacecraft Operation Procedure (real-commands)

```
main-501 2018-07-12 11:46:57 85 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YFYOYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;È¿¿Aß•µ°È»Í×ÁÇ¿ÍYçYÁY×Yí;¼YÉ;ÈÈ¿µ•íÉ;ÈßÈ¼°ÇÔß•¿¿¼í¹ç¿Í;çÁ®, ù¿¹¿ßßß¿çÁ+¿®ß•¿Èßßß³¿È;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 AOCSDUMP 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 57s
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 2018-07-12 10:24:50.0
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 `ûÁî¿î»ô¼Y¿ÈÁß¿¹¿èDCBC•x²è *****
0072 C. (¼á°íYÓYÁYÈY¿YÈYáYçYè¿¼¿¼¿¼»Û¿¹¿è)
0073 . S. DC-BC dcbc-402:DCBC
0074 (MDP_known_event)
0075 C.
0076 C.
0077 . C. ***** YDÿ!•İ Daily±¿İÑ¿È`Ø¿¹¿èDCBC•x²è *****
0078 . S. DC-BC dcbc-153:DCBC
0079 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0080 C.
0081 C.
0082 . C. ;ãLOSÁY$YÁY-¼Á»Û;ã
0083 C.
0084 . C. ***** LOS *****
0085 C.
```



```
0096 C.
0097 C.
0098 C.
0099 C. ***** XRT START *****
0100 C.
0101 +. DC 07-F0 MDP_XRT_CTRL_MANU
0102 BC (c1)
0103 +. DC 07-F0 MDP_XRT_CTRL_MANU
0104 BC (c1)
0105 + DC 07-F0 MDP_XRT_MODE_STBY
0106 BC (c3)
0107 . C. ----- Success Verify ? OK / NG _____
0108 C.
0109 C. XRT Obs. Table Upload
0110 . S. RAM ram-291:MDP_OBS_X
0111 ( )
0112 C.
0113 +. DC 07-F0 MDP_DUMP_XRTTBL
0114 BC (84 07 00 00 00 3a d4)
0115 . C. ----- Comparison Check ? OK / ERR _____
0116 C.
0117 C.
0118 +. DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 01 b1 b1 04 04)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 02 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 03 b1 b1 08 08)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 04 b1 b1 06 06)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 05 85 83 06 06)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 06 80 80 20 20)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 07 80 80 08 08)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 08 80 80 20 08)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 09 80 80 08 20)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 0a 80 80 06 06)
0138 + DC 07-F0 MDP_XRT_ROI_SET
0139 BC (cd 0b 85 83 06 06)
0140 + DC 07-F0 MDP_XRT_ROI_SET
0141 BC (cd 0c 85 83 08 08)
0142 + DC 07-F0 MDP_XRT_ROI_SET
0143 BC (cd 0f 80 80 06 06)
0144 + DC 07-F0 MDP_XRT_ROI_SET
0145 BC (cd 10 80 80 08 08)
0146 + DC 07-F0 MDP_XRT_FLD_ENA
0147 BC (d8)
0148 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0149 BC (c8)
0150 + DC 07-F0 MDP_XRT_ARS_DIS
0151 BC (d5)
0152 + DC 07-F0 MDP_XRT_AEC_RESET
0153 BC (d0)
0154 + DC 07-F0 MDP_XRT_FLD_RESET
0155 BC (da)
0156 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0157 BC (c4 0c)
0158 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0159 BC (c5 0d)
0160 . C. ----- Success Verify ? OK / NG _____
0161 C.
0162 C.
0163 . C. All OK? Yes--> Please Proceed./ No --> Stop here.
0164 C.
0165 +. DC 07-F0 MDP_XRT_MODE_OBSV
0166 BC (c2)
0167 +. TI 2018-07-12 10:24:02.0
0168 DC 07-F0 MDP_XRT_MODE_OBSV
0169 BC (c2)
0170 . C. ----- Success Verify ? OK / NG _____
0171 C.
0172 C. ***** XRT END *****
0173 C.
0174 C. ***** MDP `úÃîñï»ö%ýñÊÁðñ¹ëDCBC•x²è *****
0175 C. (%ã°îÿÓÿÄÿËÿÏÿÛÿäÿçÿèè%¼ãñ%Å»Ûñ¹è)
0176 . S. DC-BC dcbc-402:DCBC
0177 (MDP_known_event)
0178 C.
0179 C.
0180 . C. ***** ¥Ðÿ¹.ï Daily±çÍññÈ´Øñ¹ëDCBC•x²è *****
0181 . S. DC-BC dcbc-153:DCBC
0182 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0183 C.
0184 C.
0185 . C. ;ãLOSÿÁÿ$ÿÃÿ-¼Å»Û;ã
0186 C.
0187 . C. ***** LOS *****
0188 C.
```

Jul 12, 18 11:47

XRT_OGLIST_0620.chk

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*** OP Sequence for XRT ***

| | | | | | | | | | |
|------------|------------|--------------------------------------|---|-------|----------------|--|--|--|--|
| 2018/07/12 | 10:34:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/07/12 | 10:34:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/07/12 | 10:34:34.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/07/12 | 10:34:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/07/12 | 10:34:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2018/07/12 | 10:35:00.5 | AOCS_OrE-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 58 fd 01 99 | | | | |
| 2018/07/12 | 10:35:16.0 | XRT_FLD_ENA_446_OG [0x1be] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2018/07/12 | 10:37:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/07/12 | 10:37:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2018/07/12 | 10:37:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2018/07/12 | 10:37:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2018/07/12 | 10:37:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/07/12 | 10:37:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 | | | | |
| 2018/07/12 | 10:37:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | | | |
| 2018/07/12 | 11:00:00.0 | XRT_CTRL_MANU_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/07/12 | 11:00:10.0 | XRT_FOCUS_RECALIBRATE_425_OG [0x1a9] | | | | | | | |
| | | XRT_FOCUS_RECAL | 2 | 07-F8 | 78 00 | | | | |
| 2018/07/12 | 11:04:10.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2018/07/12 | 11:10:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2018/07/12 | 11:11:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2018/07/12 | 11:41:24.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/07/12 | 11:41:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2018/07/12 | 11:41:30.0 | AOCS_OrE-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 50 18 01 99 | | | | |
| 2018/07/12 | 11:41:46.0 | XRT_FLD_ENA_446_OG [0x1be] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2018/07/12 | 11:44:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2018/07/12 | 11:44:20.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2018/07/12 | 11:44:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2018/07/12 | 11:44:24.0 | XRT_FLD_RESET_420_OG [0x1a4] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/07/12 | 11:44:26.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 | | | | |
| 2018/07/12 | 11:44:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | | | |
| 2018/07/12 | 11:44:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2018/07/12 | 12:20:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/07/12 | 12:20:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/07/12 | 12:20:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/07/12 | 12:23:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/07/12 | 12:49:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/07/12 | 12:49:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2018/07/12 | 12:50:00.0 | AOCS_OrE-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 47 33 01 99 | | | | |
| 2018/07/12 | 12:50:16.0 | XRT_FLD_ENA_446_OG [0x1be] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2018/07/12 | 12:52:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2018/07/12 | 12:52:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2018/07/12 | 12:52:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2018/07/12 | 12:52:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/07/12 | 12:52:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 | | | | |
| 2018/07/12 | 12:52:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | | | |
| 2018/07/12 | 12:53:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2018/07/12 | 13:19:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |

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|------------|------------|---|---|-------|----------------|
| 2018/07/12 | 13:19:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2018/07/12 | 13:20:00.0 | AOCs_OrE-point_Start_4_OG [0x09a] AOCU_NM | 5 | 02-76 | 00 3e 4d 01 99 |
| 2018/07/12 | 13:20:16.0 | XRT_FLD_ENA_446_OG [0x1be] MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2018/07/12 | 13:22:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2018/07/12 | 13:22:50.0 | XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2018/07/12 | 13:22:52.0 | XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2018/07/12 | 13:22:54.0 | XRT_FLD_RESET_420_OG [0x1a4] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/07/12 | 13:22:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 |
| 2018/07/12 | 13:22:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d |
| 2018/07/12 | 13:23:00.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2018/07/12 | 13:58:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/07/12 | 13:58:32.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/07/12 | 13:58:34.0 | XRT_PREFLR_STRT_427_OG [0x1ab] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2018/07/12 | 14:01:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2018/07/12 | 14:27:54.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/07/12 | 14:27:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2018/07/12 | 14:28:00.0 | AOCs_OrE-point_Start_5_OG [0x09b] AOCU_NM | 5 | 02-76 | 00 35 68 01 99 |
| 2018/07/12 | 14:28:16.0 | XRT_FLD_ENA_446_OG [0x1be] MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2018/07/12 | 14:30:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2018/07/12 | 14:30:50.0 | XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2018/07/12 | 14:30:52.0 | XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2018/07/12 | 14:30:54.0 | XRT_FLD_RESET_420_OG [0x1a4] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/07/12 | 14:30:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 |
| 2018/07/12 | 14:30:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d |
| 2018/07/12 | 14:31:00.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2018/07/12 | 14:57:54.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/07/12 | 14:57:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2018/07/12 | 14:58:00.0 | AOCs_OrE-point_Start_6_OG [0x09c] AOCU_NM | 5 | 02-76 | 00 2c 8b 01 99 |
| 2018/07/12 | 14:58:16.0 | XRT_FLD_ENA_446_OG [0x1be] MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2018/07/12 | 15:00:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2018/07/12 | 15:00:50.0 | XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2018/07/12 | 15:00:52.0 | XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2018/07/12 | 15:00:54.0 | XRT_FLD_RESET_420_OG [0x1a4] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/07/12 | 15:00:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 |
| 2018/07/12 | 15:00:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d |
| 2018/07/12 | 15:01:00.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2018/07/12 | 15:36:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/07/12 | 15:36:32.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/07/12 | 15:36:34.0 | XRT_PREFLR_STRT_427_OG [0x1ab] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2018/07/12 | 15:39:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2018/07/12 | 16:20:54.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/07/12 | 16:20:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2018/07/12 | 16:21:00.0 | AOCs_OrE-point_Start_7_OG [0x09d] AOCU_NM | 5 | 02-76 | 00 23 a5 01 99 |
| 2018/07/12 | 16:21:16.0 | XRT_FLD_ENA_446_OG [0x1be] MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2018/07/12 | 16:23:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2018/07/12 | 16:23:50.0 | XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2018/07/12 | 16:23:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | |

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| 2018/07/12 | 16:23:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2018/07/12 | 16:23:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 | |
| 2018/07/12 | 16:23:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | |
| 2018/07/12 | 16:24:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2018/07/12 | 16:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2018/07/12 | 16:59:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa 00 |
| 2018/07/12 | 17:00:00.0 | AOCS_OrE-point_Start_8_OG [0x09e] | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 00 00 |
| 2018/07/12 | 17:00:16.0 | XRT_FLD_DIS_401_OG [0x191] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | |
| 2018/07/12 | 17:00:18.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | |
| 2018/07/12 | 17:00:20.0 | XRT_ARS_DIS_417_OG [0x1a1] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2018/07/12 | 17:02:58.0 | XRT_QT_PROG_SET_418_OG [0x1a2] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 02 | |
| 2018/07/12 | 17:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2018/07/12 | 17:12:00.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2018/07/12 | 17:12:02.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa 00 |
| 2018/07/12 | 17:12:22.0 | XRT_FLD_DIS_449_OG [0x1c1] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | |
| 2018/07/12 | 17:14:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | |
| 2018/07/12 | 17:14:26.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2018/07/12 | 17:14:28.0 | XRT_QT_PROG_SET_404_OG [0x194] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 04 | |
| 2018/07/12 | 17:14:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2018/07/12 | 17:39:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2018/07/12 | 17:39:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa 00 |
| 2018/07/12 | 17:40:00.0 | AOCS_OrE-point_Start_9_OG [0x09f] | AOCU_NM | 5 | 02-76 | 00 | 1a | c0 01 99 |
| 2018/07/12 | 17:40:16.0 | XRT_FLD_ENA_446_OG [0x1be] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | |
| 2018/07/12 | 17:42:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | |
| 2018/07/12 | 17:42:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| 2018/07/12 | 17:42:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2018/07/12 | 17:42:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2018/07/12 | 17:42:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 | |
| 2018/07/12 | 17:42:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | |
| 2018/07/12 | 17:57:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | |
| 2018/07/12 | 17:58:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2018/07/12 | 18:53:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2018/07/12 | 18:53:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2018/07/12 | 18:53:34.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2018/07/12 | 18:56:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2018/07/12 | 19:34:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2018/07/12 | 19:34:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa 00 |
| 2018/07/12 | 19:35:00.0 | AOCS_OrE-point_Start_10_OG [0x0a0] | AOCU_NM | 5 | 02-76 | 00 | 11 | db 01 99 |
| 2018/07/12 | 19:35:16.0 | XRT_FLD_ENA_446_OG [0x1be] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | |
| 2018/07/12 | 19:37:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | |
| 2018/07/12 | 19:37:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| 2018/07/12 | 19:37:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2018/07/12 | 19:37:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2018/07/12 | 19:37:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 | |
| 2018/07/12 | 19:37:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | |
| 2018/07/12 | 19:38:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2018/07/12 | 20:32:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | |

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| 2018/07/12 | 20:32:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2018/07/12 | 20:32:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2018/07/12 | 20:35:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2018/07/12 | 21:11:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2018/07/12 | 21:11:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |
| 2018/07/12 | 21:12:00.0 | AOCS_Ore-point_Start_11_OG [0x0a1] | AOCU_NM | 5 | 02-76 | 00 | 08 | fd | 01 99 |
| 2018/07/12 | 21:12:16.0 | XRT_FLD_ENA_446_OG [0x1be] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | |
| 2018/07/12 | 21:14:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | |
| 2018/07/12 | 21:14:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | |
| 2018/07/12 | 21:14:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2018/07/12 | 21:14:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2018/07/12 | 21:14:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 | | |
| 2018/07/12 | 21:14:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | | |
| 2018/07/12 | 21:15:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2018/07/12 | 22:10:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2018/07/12 | 22:10:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2018/07/12 | 22:10:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2018/07/12 | 22:13:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2018/07/12 | 22:47:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2018/07/12 | 22:47:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |
| 2018/07/12 | 22:48:00.0 | AOCS_Ore-point_Start_12_OG [0x0a2] | AOCU_NM | 5 | 02-76 | 00 | 00 | fd | 01 99 |
| 2018/07/12 | 22:48:16.0 | XRT_FLD_ENA_446_OG [0x1be] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | |
| 2018/07/12 | 22:50:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | |
| 2018/07/12 | 22:50:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | |
| 2018/07/12 | 22:50:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2018/07/12 | 22:50:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2018/07/12 | 22:50:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 | | |
| 2018/07/12 | 22:50:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | | |
| 2018/07/12 | 22:51:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2018/07/12 | 23:48:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2018/07/12 | 23:48:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2018/07/12 | 23:48:34.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2018/07/12 | 23:51:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2018/07/13 | 00:18:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2018/07/13 | 00:18:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |
| 2018/07/13 | 00:18:30.0 | AOCS_Ore-point_Start_13_OG [0x0a3] | AOCU_NM | 5 | 02-76 | 00 | f8 | 19 | 01 99 |
| 2018/07/13 | 00:18:46.0 | XRT_FLD_ENA_446_OG [0x1be] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | |
| 2018/07/13 | 00:21:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | |
| 2018/07/13 | 00:21:20.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | |
| 2018/07/13 | 00:21:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2018/07/13 | 00:21:24.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2018/07/13 | 00:21:26.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 | | |
| 2018/07/13 | 00:21:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | | |
| 2018/07/13 | 00:21:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2018/07/13 | 00:48:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2018/07/13 | 00:48:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |

| | | | | | | | | | |
|------------|------------|---|---|-------|----|----|----|----|----|
| 2018/07/13 | 00:48:30.0 | AOCS_OrE-point_Start_14_OG [0x0a4] AOCU_NM | 5 | 02-76 | 00 | ef | 34 | 01 | 99 |
| 2018/07/13 | 00:48:46.0 | XRT_FLD_ENA_446_OG [0x1be] MDP_XRT_FLD_ENA | 1 | 07-F0 | | d8 | | | |
| 2018/07/13 | 00:51:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | | c8 | | | |
| 2018/07/13 | 00:51:20.0 | XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET | 1 | 07-F0 | | d0 | | | |
| 2018/07/13 | 00:51:22.0 | XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS | 1 | 07-F0 | | d5 | | | |
| 2018/07/13 | 00:51:24.0 | XRT_FLD_RESET_420_OG [0x1a4] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2018/07/13 | 00:51:26.0 | XRT_QT_PROG_SET_421_OG [0x1a5] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | | c4 | 13 | | |
| 2018/07/13 | 00:51:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET | 2 | 07-F0 | | c5 | 0d | | |
| 2018/07/13 | 00:51:30.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2018/07/13 | 01:27:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2018/07/13 | 01:27:02.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2018/07/13 | 01:27:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | | |
| 2018/07/13 | 01:30:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | | |
| 2018/07/13 | 01:56:24.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2018/07/13 | 01:56:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2018/07/13 | 01:56:30.0 | AOCS_OrE-point_Start_15_OG [0x0a5] AOCU_NM | 5 | 02-76 | 00 | e6 | 4e | 01 | 99 |
| 2018/07/13 | 01:56:46.0 | XRT_FLD_ENA_446_OG [0x1be] MDP_XRT_FLD_ENA | 1 | 07-F0 | | d8 | | | |
| 2018/07/13 | 01:59:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | | c8 | | | |
| 2018/07/13 | 01:59:20.0 | XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET | 1 | 07-F0 | | d0 | | | |
| 2018/07/13 | 01:59:22.0 | XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS | 1 | 07-F0 | | d5 | | | |
| 2018/07/13 | 01:59:24.0 | XRT_FLD_RESET_420_OG [0x1a4] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2018/07/13 | 01:59:26.0 | XRT_QT_PROG_SET_421_OG [0x1a5] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | | c4 | 13 | | |
| 2018/07/13 | 01:59:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET | 2 | 07-F0 | | c5 | 0d | | |
| 2018/07/13 | 01:59:30.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2018/07/13 | 02:26:24.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2018/07/13 | 02:26:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2018/07/13 | 02:26:30.0 | AOCS_OrE-point_Start_16_OG [0x0a6] AOCU_NM | 5 | 02-76 | 00 | dd | 69 | 01 | 99 |
| 2018/07/13 | 02:26:46.0 | XRT_FLD_ENA_446_OG [0x1be] MDP_XRT_FLD_ENA | 1 | 07-F0 | | d8 | | | |
| 2018/07/13 | 02:29:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | | c8 | | | |
| 2018/07/13 | 02:29:20.5 | XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET | 1 | 07-F0 | | d0 | | | |
| 2018/07/13 | 02:29:22.5 | XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS | 1 | 07-F0 | | d5 | | | |
| 2018/07/13 | 02:29:24.5 | XRT_FLD_RESET_420_OG [0x1a4] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2018/07/13 | 02:29:26.5 | XRT_QT_PROG_SET_421_OG [0x1a5] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | | c4 | 13 | | |
| 2018/07/13 | 02:29:28.5 | XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET | 2 | 07-F0 | | c5 | 0d | | |
| 2018/07/13 | 02:29:30.5 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2018/07/13 | 03:01:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2018/07/13 | 03:01:02.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2018/07/13 | 03:01:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | | |
| 2018/07/13 | 03:04:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | | |
| 2018/07/13 | 03:34:54.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2018/07/13 | 03:34:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2018/07/13 | 03:35:00.0 | AOCS_OrE-point_Start_17_OG [0x0a7] AOCU_NM | 5 | 02-76 | 00 | d4 | 8c | 01 | 99 |
| 2018/07/13 | 03:35:16.0 | XRT_FLD_ENA_446_OG [0x1be] MDP_XRT_FLD_ENA | 1 | 07-F0 | | d8 | | | |
| 2018/07/13 | 03:37:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | | c8 | | | |
| 2018/07/13 | 03:37:50.0 | XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET | 1 | 07-F0 | | d0 | | | |
| 2018/07/13 | 03:37:52.0 | XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS | 1 | 07-F0 | | d5 | | | |
| 2018/07/13 | 03:37:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | | | | | | | |

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|------------|------------|------------------------------------|------------------------------------|---|-------|----|-------------|--|
| 2018/07/13 | 03:37:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2018/07/13 | 03:37:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 | |
| 2018/07/13 | 03:38:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | |
| 2018/07/13 | 04:29:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2018/07/13 | 04:29:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2018/07/13 | 04:29:34.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2018/07/13 | 04:32:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2018/07/13 | 05:13:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2018/07/13 | 05:13:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2018/07/13 | 05:13:30.0 | AOCS_ORe-point_Start_18_OG [0x0a8] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff aa 00 | |
| 2018/07/13 | 05:13:46.0 | XRT_FLD_ENA_446_OG [0x1be] | AOCS_ORe-point_Start_18_OG [0x0a8] | 5 | 02-76 | 00 | cb a6 01 99 | |
| 2018/07/13 | 05:16:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | AOCU_NM | 5 | 02-76 | 00 | cb a6 01 99 | |
| 2018/07/13 | 05:16:20.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | |
| 2018/07/13 | 05:16:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | |
| 2018/07/13 | 05:16:24.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| 2018/07/13 | 05:16:26.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2018/07/13 | 05:16:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2018/07/13 | 05:16:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 | |
| 2018/07/13 | 05:42:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | |
| 2018/07/13 | 05:42:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2018/07/13 | 05:42:30.0 | AOCS_ORe-point_Start_8_OG [0x09e] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2018/07/13 | 05:42:46.0 | XRT_FLD_DIS_401_OG [0x191] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff aa 00 | |
| 2018/07/13 | 05:42:48.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | AOCS_ORe-point_Start_8_OG [0x09e] | 5 | 02-76 | 00 | 00 00 00 00 | |
| 2018/07/13 | 05:42:50.0 | XRT_ARS_DIS_417_OG [0x1a1] | AOCU_NM | 5 | 02-76 | 00 | 00 00 00 00 | |
| 2018/07/13 | 05:45:28.0 | XRT_QT_PROG_SET_418_OG [0x1a2] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | |
| 2018/07/13 | 05:45:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | |
| 2018/07/13 | 05:52:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2018/07/13 | 05:52:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 02 | |
| 2018/07/13 | 05:52:30.0 | AOCS_ORe-point_Start_19_OG [0x0a9] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2018/07/13 | 05:52:46.0 | XRT_FLD_ENA_446_OG [0x1be] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2018/07/13 | 05:55:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff aa 00 | |
| 2018/07/13 | 05:55:20.0 | XRT_AEC_RESET_448_OG [0x1c0] | AOCS_ORe-point_Start_19_OG [0x0a9] | 5 | 02-76 | 00 | c2 c1 01 99 | |
| 2018/07/13 | 05:55:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | AOCU_NM | 5 | 02-76 | 00 | c2 c1 01 99 | |
| 2018/07/13 | 05:55:24.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | |
| 2018/07/13 | 05:55:26.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | |
| 2018/07/13 | 05:55:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| 2018/07/13 | 05:55:30.5 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2018/07/13 | 06:10:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2018/07/13 | 06:10:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 | |
| 2018/07/13 | 06:10:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | |
| 2018/07/13 | 06:13:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2018/07/13 | 06:51:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2018/07/13 | 06:52:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2018/07/13 | 07:49:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2018/07/13 | 07:49:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2018/07/13 | 07:50:00.0 | AOCS_ORe-point_Start_20_OG [0x0aa] | XRT_Custom_430_OG [0x1ae] | 5 | 02-76 | 00 | 04 fd 01 99 | |
| 2018/07/13 | 07:50:00.5 | XRT_CTRL_MANU_400_OG [0x190] | XRT_CTRL_AUTO_424_OG [0x1a8] | 5 | 02-76 | 00 | 04 fd 01 99 | |

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| 2018/07/13 | 07:50:02.5 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/07/13 | 07:50:04.5 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/07/13 | 07:50:16.0 | XRT_FLD_ENA_446_OG [0x1be] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2018/07/13 | 07:52:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2018/07/13 | 07:52:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2018/07/13 | 07:52:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2018/07/13 | 07:52:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2018/07/13 | 07:52:56.0 | XRT_QT_PROG_SET_447_OG [0x1bf] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/07/13 | 07:52:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 |
| 2018/07/13 | 07:53:14.5 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d |
| 2018/07/13 | 08:29:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2018/07/13 | 08:30:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | |
| 2018/07/13 | 09:29:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2018/07/13 | 09:29:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/07/13 | 09:29:34.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/07/13 | 09:32:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2018/07/13 | 09:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2018/07/13 | 09:59:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/07/13 | 10:00:00.0 | AOCS_ORe-point_Start_21_OG [0x0ab] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2018/07/13 | 10:00:16.0 | XRT_FLD_ENA_446_OG [0x1be] | AOCU_NM | 5 | 02-76 | 00 b9 dc 01 99 |
| 2018/07/13 | 10:02:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2018/07/13 | 10:02:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2018/07/13 | 10:02:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2018/07/13 | 10:02:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2018/07/13 | 10:02:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/07/13 | 10:02:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 |
| 2018/07/13 | 10:07:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d |
| 2018/07/13 | 10:08:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | |
| 2018/07/13 | 10:37:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2018/07/13 | 10:37:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/07/13 | 10:38:00.0 | AOCS_ORe-point_Start_22_OG [0x0ac] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2018/07/13 | 10:38:16.0 | XRT_FLD_ENA_446_OG [0x1be] | AOCU_NM | 5 | 02-76 | 00 b0 fe 01 99 |
| 2018/07/13 | 10:40:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2018/07/13 | 10:40:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2018/07/13 | 10:40:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2018/07/13 | 10:40:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2018/07/13 | 10:40:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/07/13 | 10:40:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 |
| 2018/07/13 | 10:41:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d |
| 2018/07/13 | 11:12:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2018/07/13 | 11:12:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/07/13 | 11:12:34.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/07/13 | 11:15:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2018/07/13 | 11:17:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2018/07/13 | 11:17:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/07/13 | 11:17:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/07/13 | 11:20:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2018/07/13 | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |

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|------------|------------|------------------------------------|---------------------|---|-------|----|-------------|
| 2018/07/13 | 11:44:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/07/13 | 11:44:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe 97 00 |
| 2018/07/13 | 11:45:00.0 | AOCS_ORe-point_Start_23_OG [0x0ad] | AOCU_NM | 5 | 02-76 | 04 | 00 00 00 00 |
| 2018/07/13 | 11:45:16.0 | XRT_FLD_ENA_446_OG [0x1be] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2018/07/13 | 11:47:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2018/07/13 | 11:47:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2018/07/13 | 11:47:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2018/07/13 | 11:47:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/07/13 | 11:47:56.0 | XRT_QT_PROG_SET_406_OG [0x196] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 08 |
| 2018/07/13 | 11:47:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d |
| 2018/07/13 | 11:48:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2018/07/13 | 12:55:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/07/13 | 12:55:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/07/13 | 12:55:34.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/07/13 | 12:58:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/07/13 | 13:24:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2018/07/13 | 13:25:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2018/07/13 | 14:34:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/07/13 | 14:34:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/07/13 | 14:34:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/07/13 | 14:37:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/07/13 | 15:07:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2018/07/13 | 15:08:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2018/07/13 | 16:12:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/07/13 | 16:12:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/07/13 | 16:12:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/07/13 | 16:15:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/07/13 | 16:55:31.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2018/07/13 | 16:56:31.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2018/07/13 | 17:36:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/07/13 | 17:36:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff aa 00 |
| 2018/07/13 | 17:36:30.0 | AOCS_ORe-point_Start_8_OG [0x09e] | AOCU_NM | 5 | 02-76 | 00 | 00 00 00 00 |
| 2018/07/13 | 17:36:46.0 | XRT_FLD_DIS_401_OG [0x191] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2018/07/13 | 17:36:48.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2018/07/13 | 17:36:50.0 | XRT_ARS_DIS_417_OG [0x1a1] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2018/07/13 | 17:39:28.0 | XRT_QT_PROG_SET_418_OG [0x1a2] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 02 |
| 2018/07/13 | 17:39:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2018/07/13 | 17:47:30.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/07/13 | 17:47:32.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff aa 00 |
| 2018/07/13 | 17:47:52.0 | XRT_FLD_DIS_449_OG [0x1c1] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2018/07/13 | 17:49:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2018/07/13 | 17:49:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2018/07/13 | 17:49:58.0 | XRT_QT_PROG_SET_407_OG [0x197] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0a |
| 2018/07/13 | 17:50:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2018/07/13 | 17:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/07/13 | 17:59:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff aa 00 |
| 2018/07/13 | 18:00:00.0 | AOCS_ORe-point_Start_24_OG [0x0ae] | AOCU_NM | 5 | 02-76 | 02 | 00 00 00 00 |
| 2018/07/13 | 18:00:16.0 | XRT_FLD_ENA_446_OG [0x1be] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |

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| 2018/07/13 | 18:02:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2018/07/13 | 18:02:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2018/07/13 | 18:02:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2018/07/13 | 18:02:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/07/13 | 18:02:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 |
| 2018/07/13 | 18:02:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d |
| 2018/07/13 | 18:32:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2018/07/13 | 18:33:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2018/07/13 | 19:29:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/07/13 | 19:29:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/07/13 | 19:29:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/07/13 | 19:32:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/07/13 | 20:08:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2018/07/13 | 20:09:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2018/07/13 | 21:07:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/07/13 | 21:07:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/07/13 | 21:07:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/07/13 | 21:10:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/07/13 | 21:46:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2018/07/13 | 21:47:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2018/07/13 | 22:45:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/07/13 | 22:45:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/07/13 | 22:45:34.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/07/13 | 22:48:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/07/13 | 23:21:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2018/07/13 | 23:22:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2018/07/14 | 00:24:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/07/14 | 00:24:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/07/14 | 00:24:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/07/14 | 00:27:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/07/14 | 00:52:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2018/07/14 | 00:53:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2018/07/14 | 00:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/07/14 | 00:59:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa | 00 |
| 2018/07/14 | 01:00:00.5 | AOCS_Ore-point_Start_25_OG [0x0af] | AOCU_NM | 5 | 02-76 | 03 00 00 00 | 00 |
| 2018/07/14 | 01:00:16.0 | XRT_FLD_ENA_446_OG [0x1be] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2018/07/14 | 01:02:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2018/07/14 | 01:02:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2018/07/14 | 01:02:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2018/07/14 | 01:02:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/07/14 | 01:02:56.0 | XRT_QT_PROG_SET_409_OG [0x199] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 03 |
| 2018/07/14 | 01:02:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d |
| 2018/07/14 | 01:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2018/07/14 | 01:51:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/07/14 | 01:51:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa | 00 |
| 2018/07/14 | 01:52:16.0 | XRT_FLD_ENA_446_OG [0x1be] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2018/07/14 | 01:54:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2018/07/14 | 01:54:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2018/07/14 | 01:54:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |

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|------------|------------|------------------------------------|---------------------|---|-------|----|----|----|----|
| 2018/07/14 | 01:54:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2018/07/14 | 01:54:56.0 | XRT_QT_PROG_SET_409_OG [0x199] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 03 | | |
| 2018/07/14 | 01:54:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | | |
| 2018/07/14 | 01:55:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2018/07/14 | 02:01:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2018/07/14 | 02:01:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2018/07/14 | 02:01:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2018/07/14 | 02:04:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2018/07/14 | 02:31:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2018/07/14 | 02:32:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2018/07/14 | 02:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2018/07/14 | 02:59:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2018/07/14 | 03:00:00.0 | AOCS_Ore-point_Start_23_OG [0x0ad] | AOCU_NM | 5 | 02-76 | 04 | 00 | 00 | 00 |
| 2018/07/14 | 03:00:16.0 | XRT_FLD_ENA_446_OG [0x1be] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | |
| 2018/07/14 | 03:02:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | |
| 2018/07/14 | 03:02:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | |
| 2018/07/14 | 03:02:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2018/07/14 | 03:02:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2018/07/14 | 03:02:56.0 | XRT_QT_PROG_SET_406_OG [0x196] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 08 | | |
| 2018/07/14 | 03:02:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | | |
| 2018/07/14 | 03:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2018/07/14 | 03:35:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2018/07/14 | 03:35:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2018/07/14 | 03:35:34.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2018/07/14 | 03:38:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2018/07/14 | 04:09:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2018/07/14 | 04:10:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2018/07/14 | 05:05:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2018/07/14 | 05:05:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2018/07/14 | 05:05:34.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2018/07/14 | 05:08:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2018/07/14 | 05:47:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2018/07/14 | 05:48:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2018/07/14 | 05:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2018/07/14 | 05:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2018/07/14 | 05:59:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |
| 2018/07/14 | 06:00:00.0 | AOCS_Ore-point_Start_8_OG [0x09e] | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 |
| 2018/07/14 | 06:00:18.0 | XRT_FLD_DIS_413_OG [0x19d] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | |
| 2018/07/14 | 06:02:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | |
| 2018/07/14 | 06:02:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2018/07/14 | 06:02:58.0 | XRT_QT_PROG_SET_414_OG [0x19e] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 12 | | |
| 2018/07/14 | 06:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2018/07/14 | 06:09:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2018/07/14 | 06:09:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2018/07/14 | 06:10:00.0 | AOCS_Ore-point_Start_23_OG [0x0ad] | AOCU_NM | 5 | 02-76 | 04 | 00 | 00 | 00 |
| 2018/07/14 | 06:10:16.0 | XRT_FLD_ENA_446_OG [0x1be] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | |
| 2018/07/14 | 06:12:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | |
| 2018/07/14 | 06:12:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | |

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| 2018/07/14 | 06:12:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2018/07/14 | 06:12:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/07/14 | 06:12:56.0 | XRT_QT_PROG_SET_406_OG [0x196] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 08 | | | | |
| 2018/07/14 | 06:12:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | | | |
| 2018/07/14 | 06:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2018/07/14 | 06:46:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/07/14 | 06:46:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/07/14 | 06:46:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/07/14 | 06:49:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/07/14 | 07:26:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2018/07/14 | 07:27:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2018/07/14 | 07:49:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/07/14 | 07:49:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2018/07/14 | 07:50:00.0 | AOCS_ORe-point_Start_20_OG [0x0aa] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 04 fd 01 99 | | | | |
| 2018/07/14 | 07:50:16.0 | XRT_FLD_ENA_446_OG [0x1be] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2018/07/14 | 07:52:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2018/07/14 | 07:52:50.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2018/07/14 | 07:52:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2018/07/14 | 07:52:54.0 | XRT_FLD_RESET_420_OG [0x1a4] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/07/14 | 07:52:56.0 | XRT_QT_PROG_SET_447_OG [0x1bf] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | | | | |
| 2018/07/14 | 07:52:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | | | |
| 2018/07/14 | 07:53:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2018/07/14 | 08:26:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/07/14 | 08:26:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/07/14 | 08:26:04.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/07/14 | 08:29:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/07/14 | 09:04:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2018/07/14 | 09:05:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2018/07/14 | 10:06:00.5 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/07/14 | 10:06:03.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/07/14 | 10:06:05.0 | XRT_PREFLR_STRT_427_OG [0x1ab] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/07/14 | 10:09:15.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/07/14 | 10:41:00.0 | AOCS_ORe-point_Start_8_OG [0x09e] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |