

XRT Timeline to be uploaded on 2019/04/04

Period: 2019/04/04 12:53:00 - 2019/04/09 12:01:00

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Normal mode

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XOB #1BA4: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, thin-Be, thick-Al, Al/Poly context, with G-band (1ms/1ms)

| Term | Pointing (x, y) | Comment |
|---------------------------------|--|------------------------------------|
| 04/04 13:06:00 - 04/04 15:59:54 | Track (57.4, 283.5) @ 04/04 13:03:00 | # OP start + 10min; AR Obs. @12737 |
| 04/05 14:33:00 - 04/05 18:02:54 | Track (281.7, 277.2) @ 04/05 14:30:00 | AR Obs. @12737 |

| PROG= 16 Inf.-time(s) | | | | | | | | | | | | |
|-----------------------|----------------|------------|------|--------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| Subr= 1 | | 1-time(s) | | 2.0sec | | | | | | | | |
| Seqn= 92 | | 1-time(s) | | 2.0sec | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 16.0s | Obs | 1x1 | 384x384 (1064, 1048) | Q=98 | 0 | 0 | 2.0sec |
| Seqn= 42 | | 1-time(s) | | 2.0sec | | | | | | | | |
| Al-poly/Open | thin-Be/Open | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 5.66s | Obs | 1x1 | 512x512 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| Open/thick-Al | Open/thick-Al | close | Safe | Norm | 16.0s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| Seqn= 96 | | 40-time(s) | | 2.0sec | | | | | | | | |
| Al-poly/Open | thin-Be/Open | close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 0 | 2.0sec |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 0 | 2.0sec |
| Al-poly/Open | thin-Be/Open | close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 1 | 2.0sec |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 1 | 2.0sec |
| Al-poly/Open | thin-Be/Open | close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 2 | 2.0sec |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 1 | 2 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

XOB #1BE9: HOP81/206 2-filter - Al/poly 16s, Al/mesh 12s 30s cadence, G-band - 384x384 1ms

| Term | Pointing (x, y) | Comment |
|---------------------------------|-----------------------|-------------|
| 04/04 16:03:00 - 04/04 17:59:54 | Fixed (36.0, -851.0) | HOP369, Jet |
| 04/05 18:16:00 - 04/05 20:29:54 | Fixed (36.0, -851.0) | HOP369, Jet |
| 04/06 03:33:00 - 04/06 05:32:54 | Fixed (36.0, -851.0) | HOP369, Jet |

| PROG= 02 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= 39 | | 1-time(s) | | 30.0sec | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 11.3s | Obs | 1x1 | 384x384 (1064, 1048) | Q=90 | 0 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 16.0s | 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 #1C2A: Synoptic Q95 2x2 - Al/mesh(181/1024/5795) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(181/1024/8192)

| Term | Pointing (x, y) | Comment |
|---------------------------------|-------------------|---------------------------|
| 04/04 18:03:00 - 04/04 18:09:54 | Fixed (0.0, 0.0) | synoptic |
| 04/05 02:03:00 - 04/05 02:09:54 | Fixed (0.0, 0.0) | HOP349, synoptic |
| 04/05 06:04:00 - 04/05 06:10:54 | Fixed (0.0, 0.0) | synoptic, shifted 1.0 min |
| 04/05 18:06:00 - 04/05 18:12:54 | Fixed (0.0, 0.0) | synoptic, shifted 3.0 min |
| 04/06 02:03:00 - 04/06 02:09:54 | Fixed (0.0, 0.0) | HOP349, synoptic |

| PROG= 06 1-time(s) | | | | | | | | | | | | |
|--------------------|----------------|-----------|------|--------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| Subr= 1 | | 1-time(s) | | 2.0sec | | | | | | | | |
| Seqn= 5 | | 1-time(s) | | 2.0sec | | | | | | | | |
| Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 500ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 500ms | Obs | 8x8 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 500ms | Obs | 1x1 | 2048x512 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 500ms | Obs | 1x1 | 512x2048 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| Seqn= 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= 18 | | 1-time(s) | | 2.0sec | | | | | | | | |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 177ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 1.00s | 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 #1C37: CME watch - 4x4 - AEC 2 - Thin-Be - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 60s cad | | | | | | | | | | | | |
|--|-------------------------|------------------|---------------------|--|--|--|--|--|--|--|--|--|
| Term | Pointing (x, y) | | Comment | | | | | | | | | |
| 04/04 18:13:00 - 04/05 01:59:54 | Track (-235.7, 854.7) | @ 04/04 18:10:00 | HOP366, PSP @ North | | | | | | | | | |
| 04/05 02:13:00 - 04/05 06:00:54 | Track (-211.4, 855.9) | @ 04/05 02:10:00 | HOP366, PSP @ North | | | | | | | | | |
| 04/05 06:14:00 - 04/05 14:29:54 | Track (-198.9, 856.5) | @ 04/05 06:11:00 | HOP366, PSP @ North | | | | | | | | | |
| 04/05 20:33:00 - 04/06 01:59:54 | Track (-139.8, -891.1) | @ 04/05 20:30:00 | HOP366, PSP @ South | | | | | | | | | |
| 04/06 02:13:00 - 04/06 03:29:54 | Track (-134.6, 858.6) | @ 04/06 02:10:00 | HOP366, PSP @ North | | | | | | | | | |
| 04/06 05:46:00 - 04/06 09:19:30 | Track (-122.9, 858.8) | @ 04/06 05:43:00 | HOP366, PSP @ North | | | | | | | | | |
| PROG= 04 Inf.-time(s) | | | | | | | | | | | | |
| Subr= 1 50-time(s) 60.0sec | | | | | | | | | | | | |
| Seqn= 83 1-time(s) 4.0sec | | | | | | | | | | | | |
| thin-Be/Open med-Be/Open close Safe Norm 1.41s Obs 4x4 2048x2048 (1024, 1024) Q=98 2 0 2.0sec | | | | | | | | | | | | |
| Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| Seqn= 30 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 512x512 (1024, 1024) Q=90 0 0 2.0sec | | | | | | | | | | | | |
| Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 512x512 (1024, 1024) Q=95 0 0 2.0sec | | | | | | | | | | | | |
| Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval | | | | | | | | | | | | |

| XOB #1B8D: Synoptic 7 Filter w/ Al-mesh(24/256/2897), Al-poly(45/512/4096), Thin-Be(512/8192/23142) - Thick-Be(65536), Al-poly+Ti-poly(256/5795), Med-AI | | | | | | | | | | | | |
|--|-------------------|--|-----------------------------|--|--|--|--|--|--|--|--|--|
| Term | Pointing (x, y) | | Comment | | | | | | | | | |
| 04/06 05:36:00 - 04/06 05:42:54 | Fixed (0.0, 0.0) | | synoptic, shifted -27.0 min | | | | | | | | | |
| PROG= 08 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= 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= 54 1-time(s) 2.0sec | | | | | | | | | | | | |
| thin-Be/Open thin-Be/Open close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec | | | | | | | | | | | | |
| thin-Be/Open thin-Be/Open close Safe Norm 8.00s 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= 55 1-time(s) 2.0sec | | | | | | | | | | | | |
| med-AI/Open med-AI/Open close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| med-AI/Open med-AI/Open close Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| Seqn= 40 1-time(s) 2.0sec | | | | | | | | | | | | |
| Al-poly/Ti-poly Al-poly/thick-Al close Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| Al-poly/Ti-poly Al-poly/thick-Al close Safe Norm 5.66s 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 - multfilter 26 sec cadence (Be/thin, Be/med, Al/thick), AEC 3(thin-Be AEC2), 384x384 + context (med-AI,thick-Be -384x384 + Al-poly 512x512) | | | | | | | | | | | | |
|---|-------------------------|------------------|------------------------------------|--|--|--|--|--|--|--|--|--|
| Term | Pointing (x, y) | | Comment | | | | | | | | | |
| 04/04 13:06:00 - 04/04 15:59:54 | Track (57.4, 283.5) | @ 04/04 13:03:00 | # OP start + 10min; AR Obs. @12737 | | | | | | | | | |
| 04/04 16:03:00 - 04/04 17:59:54 | Fixed (36.0, -851.0) | | HOP369, Jet | | | | | | | | | |
| 04/04 18:13:00 - 04/05 01:59:54 | Track (-235.7, 854.7) | @ 04/04 18:10:00 | HOP366, PSP @ North | | | | | | | | | |
| 04/05 02:13:00 - 04/05 06:00:54 | Track (-211.4, 855.9) | @ 04/05 02:10:00 | HOP366, PSP @ North | | | | | | | | | |
| 04/05 06:14:00 - 04/05 14:29:54 | Track (-198.9, 856.5) | @ 04/05 06:11:00 | HOP366, PSP @ North | | | | | | | | | |
| 04/05 14:33:00 - 04/05 18:02:54 | Track (281.7, 277.2) | @ 04/05 14:30:00 | AR Obs. @12737 | | | | | | | | | |
| 04/05 18:16:00 - 04/05 20:29:54 | Fixed (36.0, -851.0) | | HOP369, Jet | | | | | | | | | |
| 04/05 20:33:00 - 04/06 01:59:54 | Track (-139.8, -891.1) | @ 04/05 20:30:00 | HOP366, PSP @ South | | | | | | | | | |
| 04/06 02:13:00 - 04/06 03:29:54 | Track (-134.6, 858.6) | @ 04/06 02:10:00 | HOP366, PSP @ North | | | | | | | | | |
| 04/06 03:33:00 - 04/06 05:32:54 | Fixed (36.0, -851.0) | | HOP369, Jet | | | | | | | | | |
| 04/06 05:46:00 - 04/06 09:19:30 | Track (-122.9, 858.8) | @ 04/06 05:43:00 | HOP366, PSP @ North | | | | | | | | | |
| 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 | | | | | | | | | | | | |

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|----------------|------------------|------------------|---------------|------|-------|-------|---------|----------------------|-------|------------|----------|--------|
| | 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 | |

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Active Region Search

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NOT USED

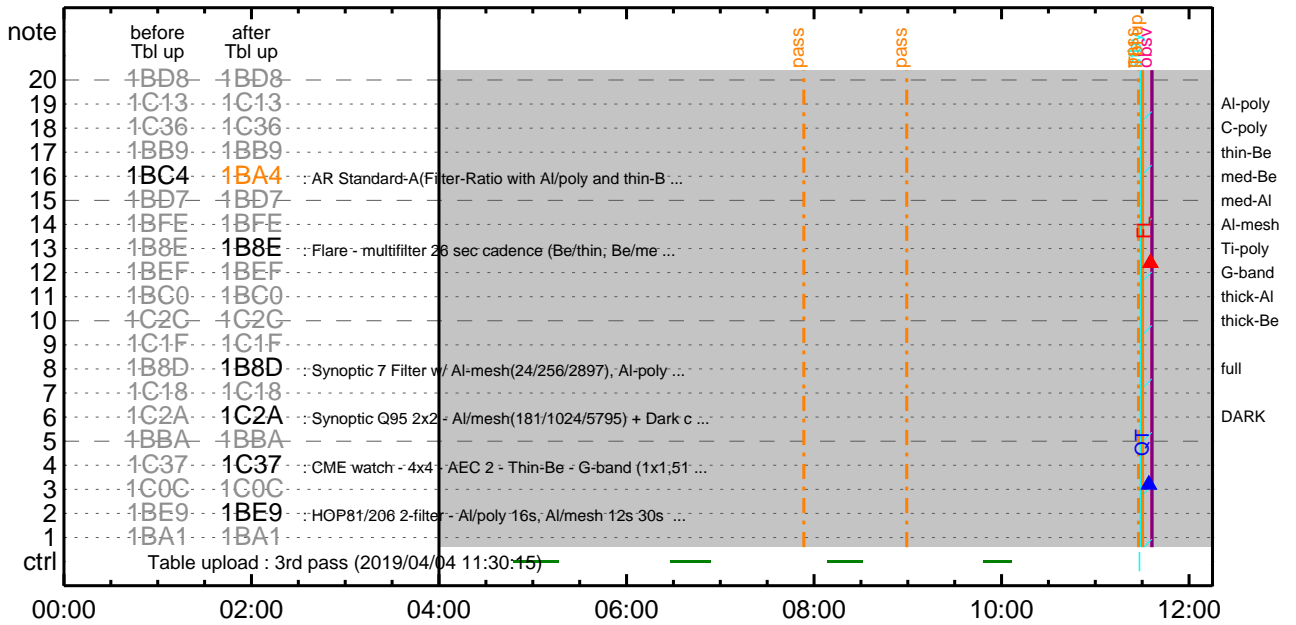
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Flare Detection

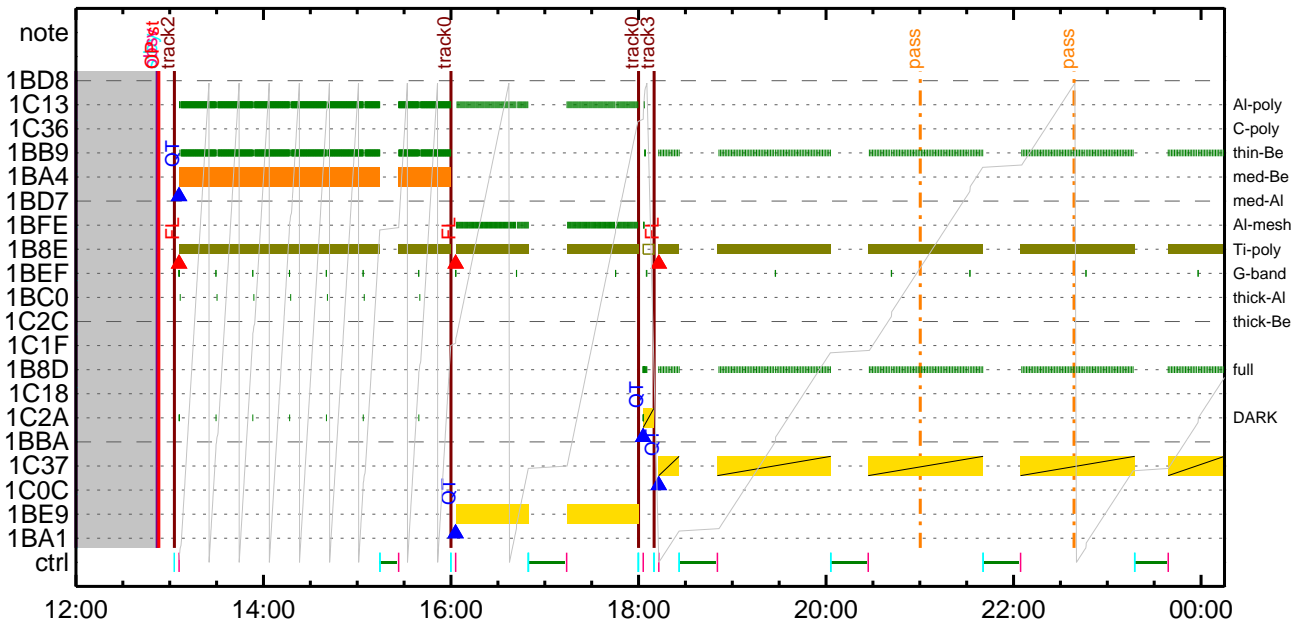
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| FLD Patrol | | | | | | | | | | | | |
|---------------------------------|------------------------|-----------------------------|---------------------|------|-------|------|---------|--------------------|-------|------------|----------|--|
| Term | Pointing (x, y) | | | | | | | Comment | | | | |
| 04/04 18:10:18 - 04/05 02:00:18 | Track (-235.7, 854.7) | [Ⓜ] 04/04 18:10:00 | HOP366, PSP @ North | | | | | | | | | |
| 04/05 02:10:18 - 04/05 06:01:18 | Track (-211.4, 855.9) | [Ⓜ] 04/05 02:10:00 | HOP366, PSP @ North | | | | | | | | | |
| 04/05 06:11:18 - 04/05 18:03:18 | Track (-198.9, 856.5) | [Ⓜ] 04/05 06:11:00 | HOP366, PSP @ North | | | | | | | | | |
| 04/05 18:13:18 - 04/06 02:00:18 | Fixed (36.0, -851.0) | | HOP369, Jet | | | | | | | | | |
| 04/06 02:10:18 - 04/06 05:33:18 | Track (-134.6, 858.6) | [Ⓜ] 04/06 02:10:00 | HOP366, PSP @ North | | | | | | | | | |
| 04/06 05:43:18 - 04/09 12:01:00 | Track (-122.9, 858.8) | [Ⓜ] 04/06 05:43:00 | HOP366, PSP @ North | | | | | | | | | |
| | 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 | |

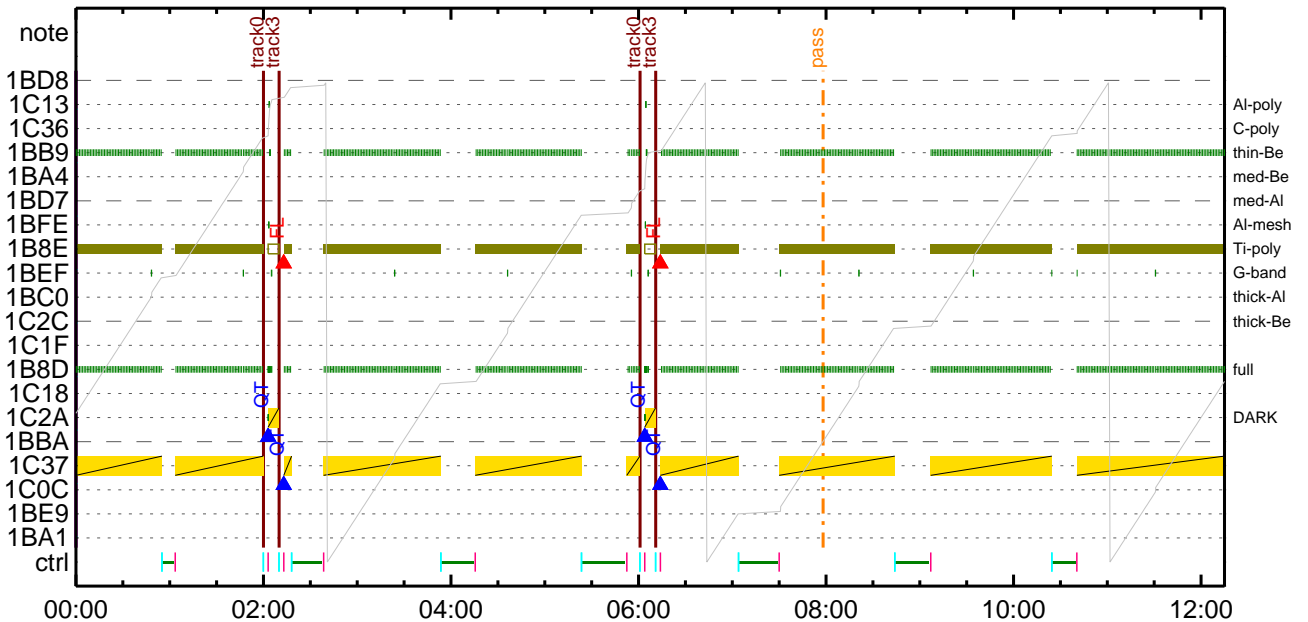
CMDI #0157 2019/04/04



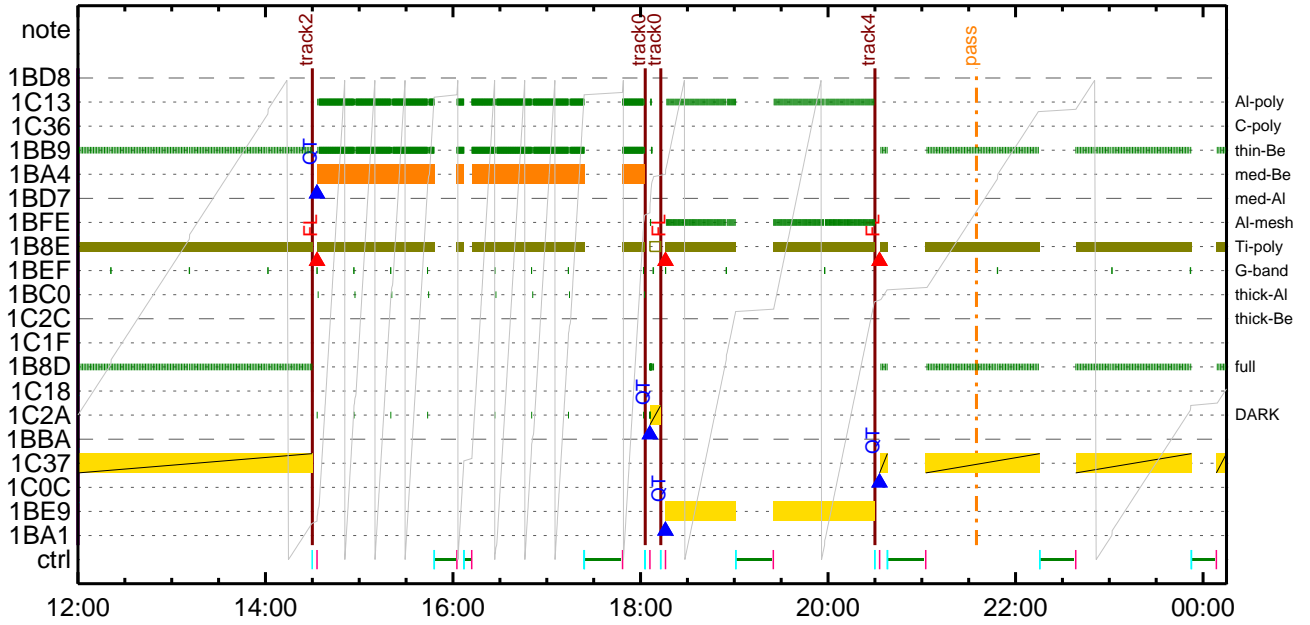
CMDI #0157 2019/04/04



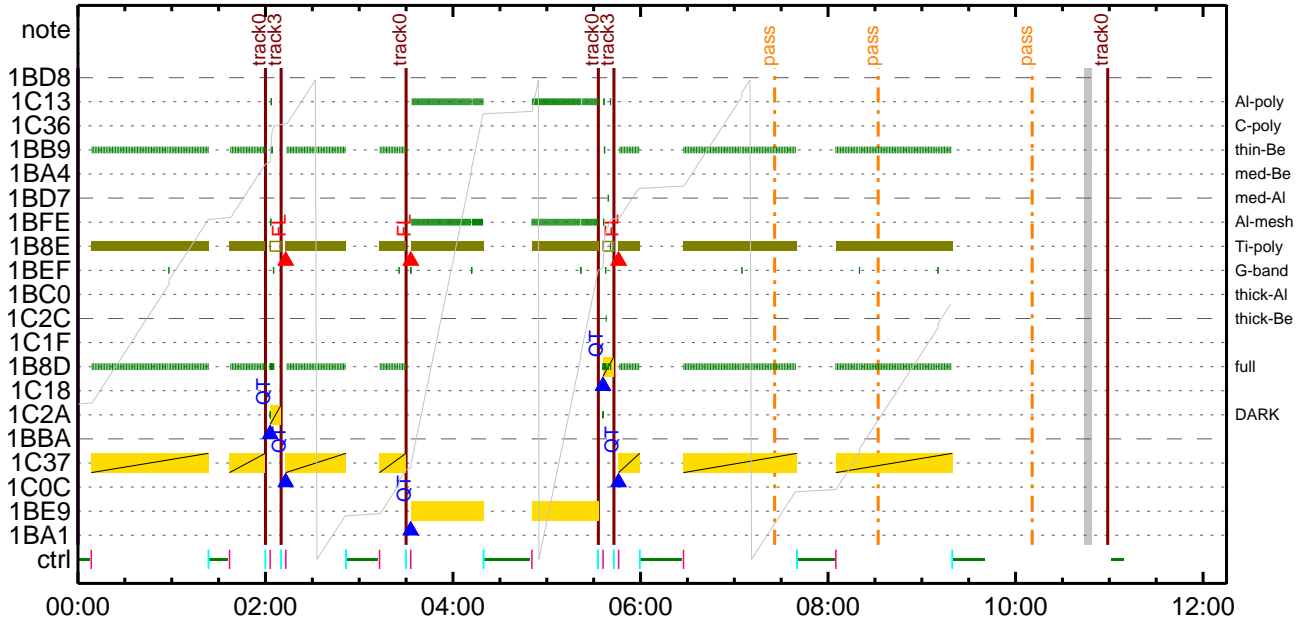
CMDI #0157 2019/04/05



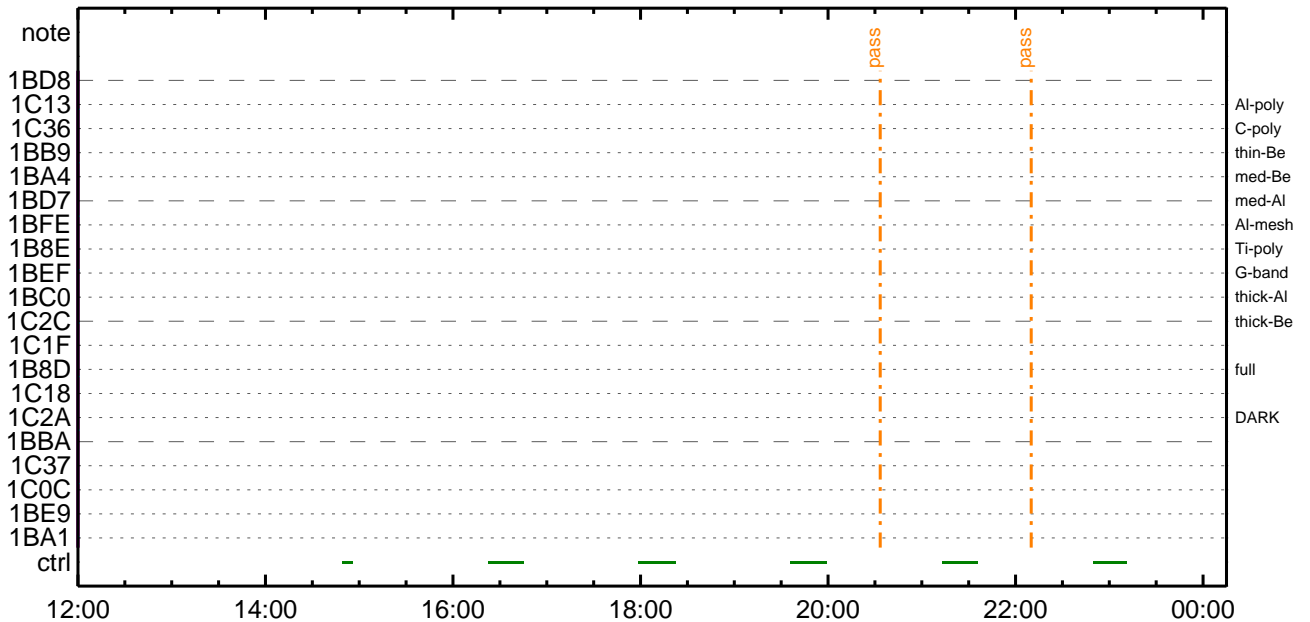
CMDI #0157 2019/04/05



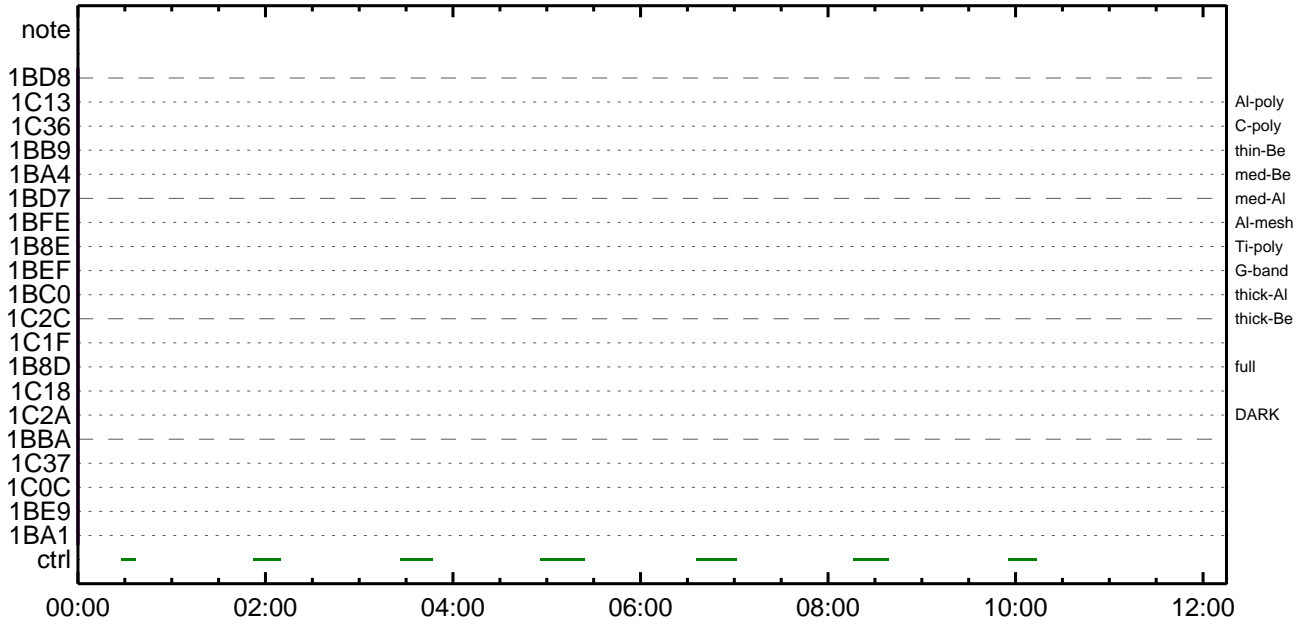
CMDI #0157 2019/04/06



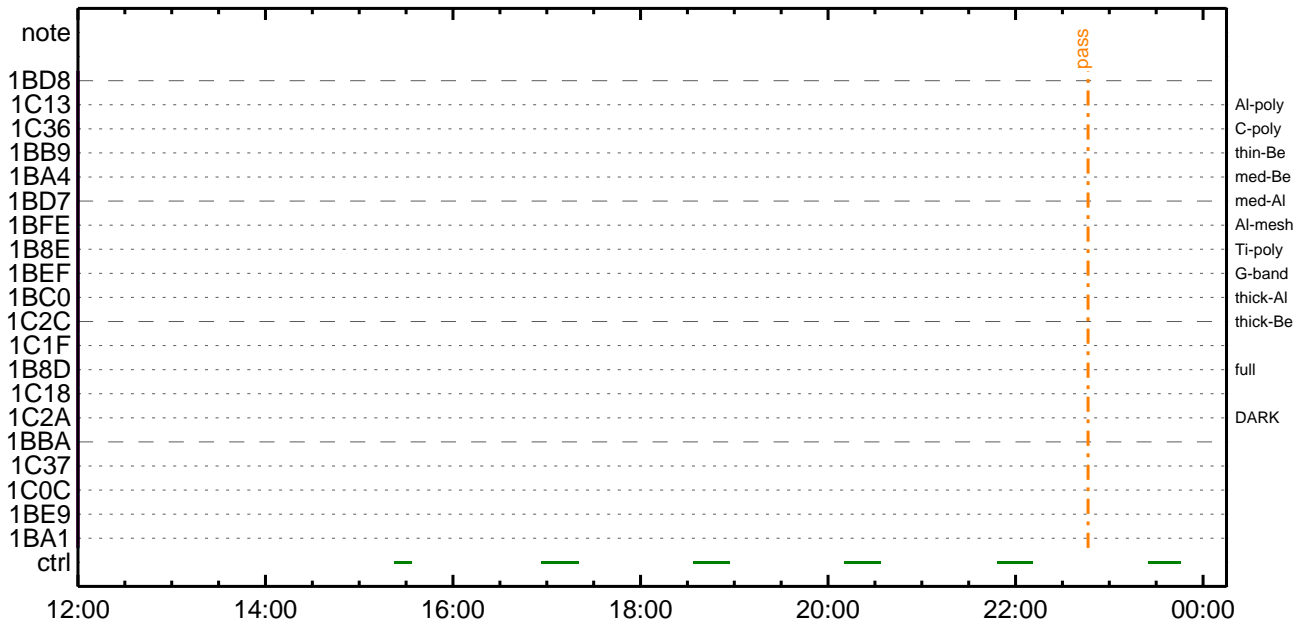
CMDI #0157 2019/04/06



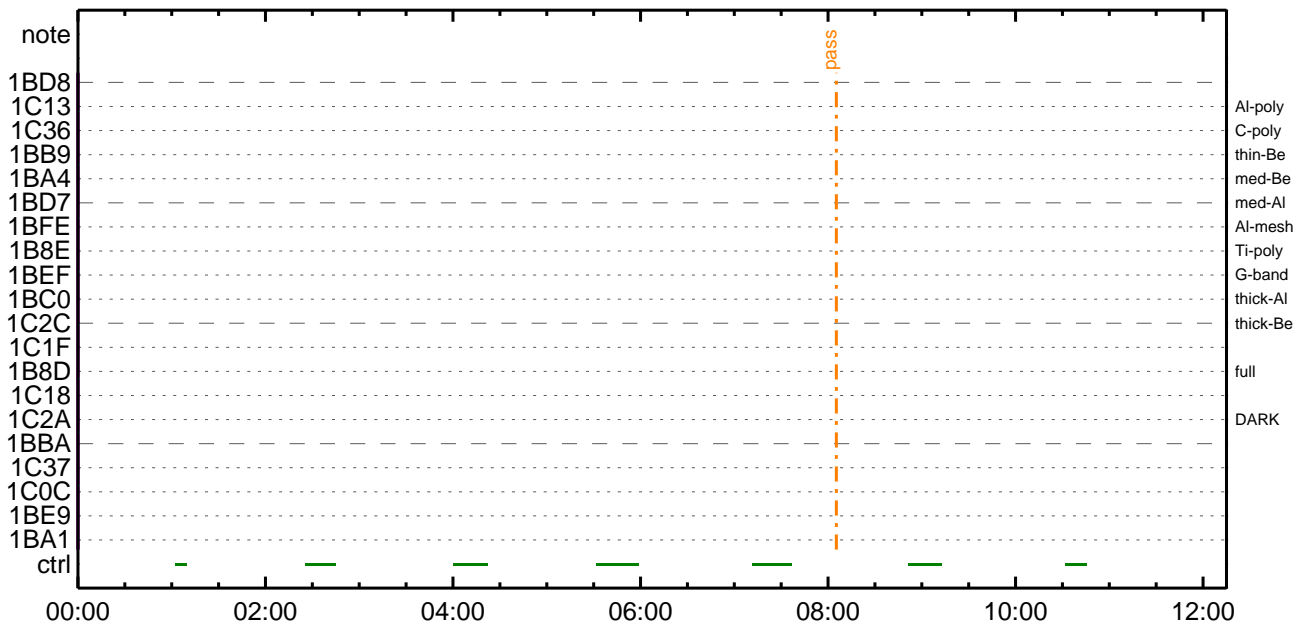
CMDI #0157 2019/04/07



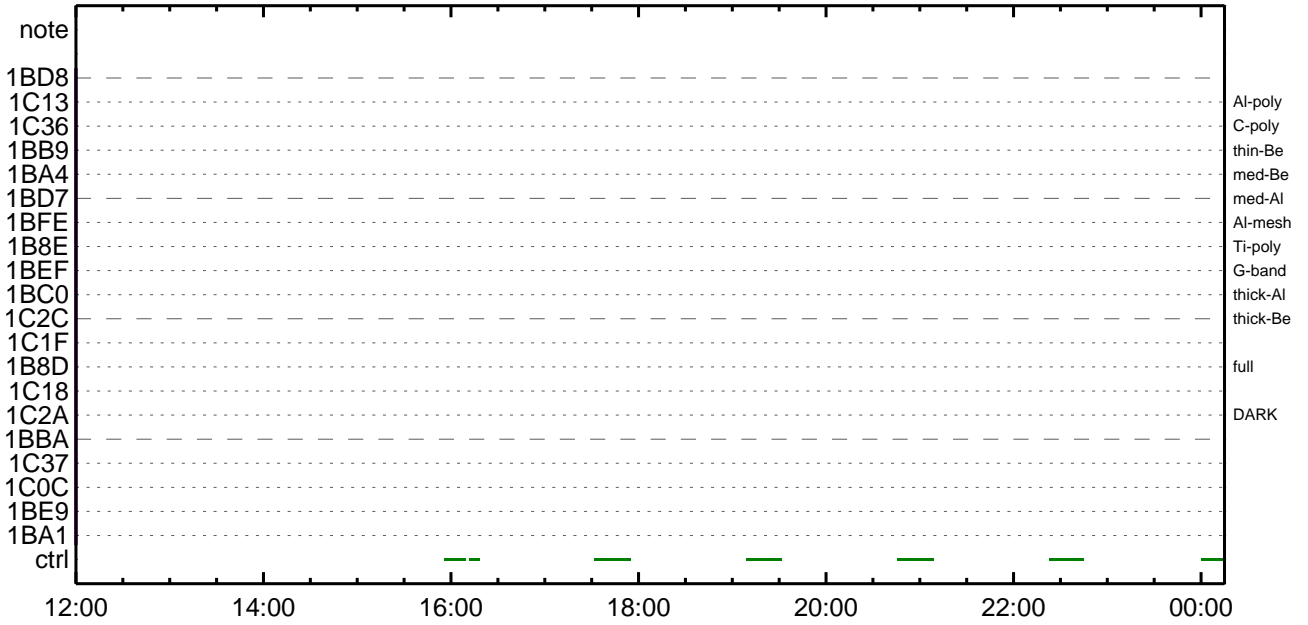
CMDI #0157 2019/04/07



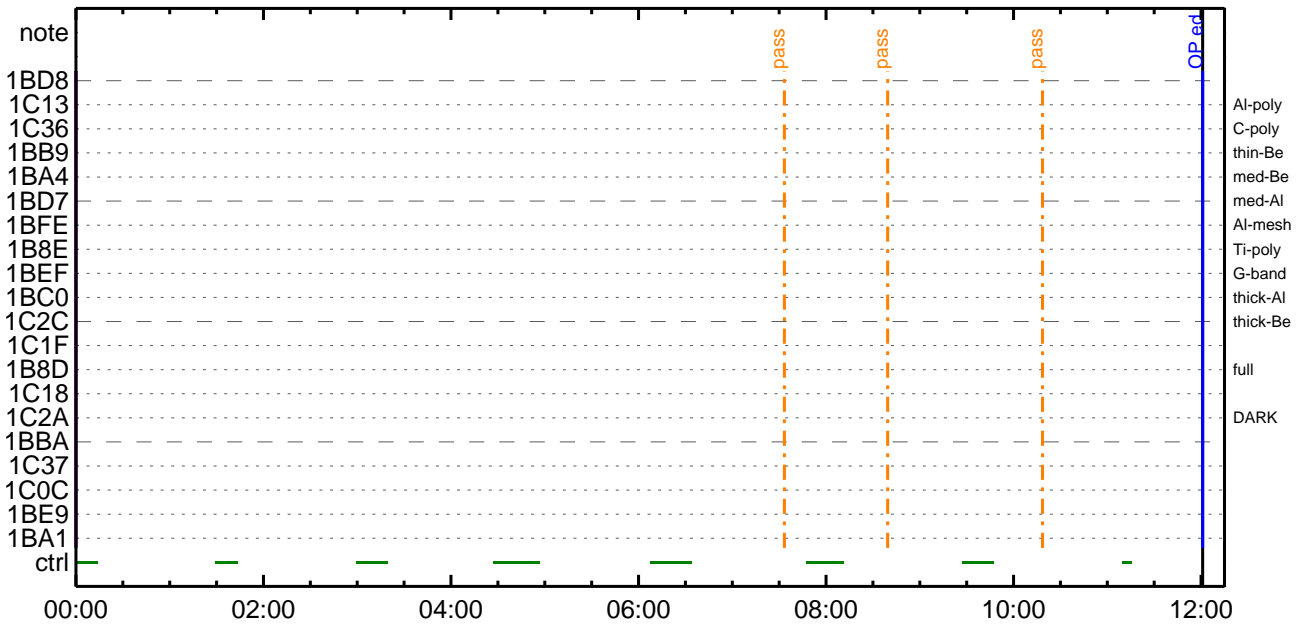
CMDI #0157 2019/04/08



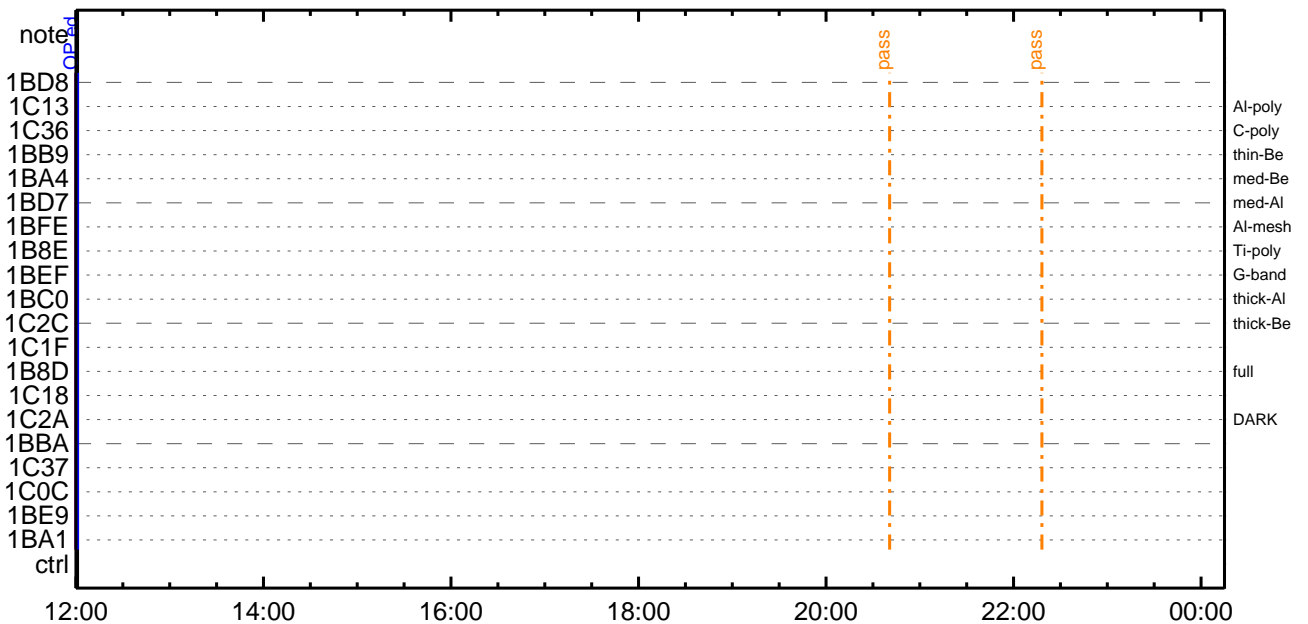
CMDI #0157 2019/04/08



CMDI #0157 2019/04/09



CMDI #0157 2019/04/09



(a) Spacecraft Operation Procedure (real-commands)

```
main-029 2019-04-04 11:24:57 194 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Ä»Ü;ä
0005 C.
0006 C. YÀYB;¼Y³YF¶YÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿¿òÁò•µ°Ë»Í×ÁÇ¿ÍY¿YÁY×Yí;¼YÉ;ÈÈ¿µ•íÉ;ÈòÈ¼°ÇÒò•ó¿¼¿l¹¿¿Í;¿Ä®, ùò¹òÈòò¿Ä+¿®ò•òÈòòò³òÈ;é
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OGYí;¼YÉ;|YÁYóYx
0016 C. *****
0017 C.
0018 . C. ;ãOP/OGYí;¼YÉ;ä
0019 . S. OP op-029:OP
0020 ( )
0021 . S. OG og-029:OG
0022 ( )
0023 C.
0024 . C. ;ãNMOG&OPí°èYÁYóYx;ä
0025 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027 BC (20 00 7f 01 02)
0028 C. ¿¿[HK1_DMP_TOP_ADRS_1] EQ 40
0029 C. ¿¿[HK1_DMP_TOP_ADRS_0] EQ 0
0030 C. ¿¿[HK1_DMP_BLOCK_NUM] EQ 127
0031 C. ¿¿[HK1_DMP_REPEAT_NUM] EQ 0
0032 C. ¿¿[HK1_DMA_DMP_PIM] EQ DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 C. ¿¿[HK1_PKT_FORM_NO] EQ 7
0036 C. ¿¿[HK1_PKT_GEN_TIME] EQ 0.25 s
0037 C. ¿¿[HK1_S_TLM_BIT_RATE] EQ 32k
0038 C. ¿¿[HK1_X_TLM_BIT_RATE] EQ 4M
0039 C. ¿¿[HK1_DMP_CHK_FLG] EQ EXEC
0040 . C. YÀYóYx½ª í»òð³ íÇ$
0041 C. ¿¿[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOGòí¼È¹¿•è²ÍOKòð³ íÇ$
0043 C.
0044 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046 BC (20 80 7f 01 02)
0047 C. ¿¿[HK1_DMP_TOP_ADRS_1] EQ 41
0048 C. ¿¿[HK1_DMP_TOP_ADRS_0] EQ 0
0049 C. ¿¿[HK1_DMP_BLOCK_NUM] EQ 127
0050 C. ¿¿[HK1_DMP_REPEAT_NUM] EQ 0
0051 C. ¿¿[HK1_DMA_DMP_PIM] EQ DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 C. ¿¿[HK1_PKT_FORM_NO] EQ 7
0055 C. ¿¿[HK1_PKT_GEN_TIME] EQ 0.25 s
0056 C. ¿¿[HK1_S_TLM_BIT_RATE] EQ 32k
0057 C. ¿¿[HK1_X_TLM_BIT_RATE] EQ 4M
0058 C. ¿¿[HK1_DMP_CHK_FLG] EQ EXEC
0059 . C. YÀYóYx½ª í»òð³ íÇ$
0060 C. ¿¿[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOGòí¼È¹¿•è²ÍOKòð³ íÇ$
0062 C.
0063 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065 BC (21 00 41 01 02)
0066 C. ¿¿[HK1_DMP_TOP_ADRS_1] EQ 42
0067 C. ¿¿[HK1_DMP_TOP_ADRS_0] EQ 0
0068 C. ¿¿[HK1_DMP_BLOCK_NUM] EQ 65
0069 C. ¿¿[HK1_DMP_REPEAT_NUM] EQ 0
0070 C. ¿¿[HK1_DMA_DMP_PIM] EQ DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 C. ¿¿[HK1_PKT_FORM_NO] EQ 7
0074 C. ¿¿[HK1_PKT_GEN_TIME] EQ 0.25 s
0075 C. ¿¿[HK1_S_TLM_BIT_RATE] EQ 32k
0076 C. ¿¿[HK1_X_TLM_BIT_RATE] EQ 4M
0077 C. ¿¿[HK1_DMP_CHK_FLG] EQ EXEC
0078 . C. YÀYóYx½ª í»òð³ íÇ$
0079 C. ¿¿[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG, RAM ID=OPòí¼È¹¿•è²ÍOKòð³ íÇ$
0081 C.
0082 . C. ***** óÈ²¼òí¼Ä´¶¼òèÈÈ-ò°Á+¿® (¼áµ-YÀYóYx¼è¼¿òðÁóÄæ¿¼ª°ò¼ò¼¿l¹¿¿ç¿à) *****
0083 C. DHUYã;¼YÉ;È¼Y½, Yí;¼YÉ;ÈòòÍá¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 C. ¿¿[HK1_PKT_FORM_NO] EQ 2
0087 C. ¿¿[HK1_PKT_GEN_TIME] EQ 0.5S
0088 C. ¿¿[HK1_S_TLM_BIT_RATE] EQ 32k
0089 C. ¿¿[HK1_X_TLM_BIT_RATE] EQ 4M
0090 C.
0091 . C. *****
0092 C. TI-CMD SET (OPOG STOP/COPY/START)
0093 C. *****
0094 C.
0095 . C. NOTICE ;§ OPOG UPLOADò-Á+¿®NGòí¼¿l¹¿¿;¿°È²¼òí¼TI-CMDÁ+¿®òí¼Á¹Òò•òÈòòò³òÈ;é
```



```

0096 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0097 C.
0098 C. TI 2019-04-04 12:48:00.0
0099 +. TI 2019-04-04 12:48:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0102 C.
0103 +. TI 2019-04-04 12:48:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0106 C.
0107 +. TI 2019-04-04 12:48:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0110 C.
0111 +. TI 2019-04-04 12:52:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0114 C.
0115 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0116 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0117 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0118 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0119 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0120 C.
0121 C. *****
0122 C. TI 2019-04-04 12:52:59.5
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.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0129 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0130 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0131 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0132 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC (07 0b f8)
0135 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0136 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0137 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0138 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0139 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0140 C.
0141 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0142 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0143 C.
0144 C. RAM ID=TI_TBL 01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0145 C.
0146 C. DHU 01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC (02 0a f8)
0149 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0150 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0151 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0152 C.                01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
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 2019-04-04 12:52:30.0
0161 DC 07-FC EIS_MODE_MANU
0162 BC (21 02)
0163 +. TI 2019-04-04 12:52:40.0
0164 DC 07-FC EIS_MODE_CHG_DIS
0165 BC (22)
0166 C.                [ ] [HK1_TI_CMD_NUM] EQ 2 COUNTUP
0167 C. ***** End EIS operation (TI set) *****
0168 C.
0169 C.
0170 C.
0171 C. ***** XRT START *****
0172 C. Execute, after the success of OP upload.
0173 +. TI 2019-04-04 12:52:00.0
0174 DC 07-F0 MDP_XRT_MODE_STBY
0175 BC (c3)
0176 C.                [ ] [HK1_TI_CMD_NUM] EQ 1COUNTUP
0177 C.
0178 C. ***** XRT END *****
0179 C.
0180 C. ***** MDP 01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03; *****
0181 C. (% 01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;)
0182 S. DC-BC dcbc-402:DCBC
0183 (MDP_known_event)
0184 C.
0185 C.
0186 C. ***** 01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03; *****
0187 S. DC-BC dcbc-153:DCBC
0188 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189 C.
0190 C.
0191 C. ; 01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03;
0192 C.
0193 C. ***** LOS *****

```


(a) Spacecraft Operation Procedure (real-commands)

```
main-031 2019-04-04 11:24:57 98 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YFÝÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿òÄò•µ°È»Í×ÁÇóÍYçYÁY×Yí;¼YÉ;ÈÈè¼µ•ííÉ;ÈòÈ¼°ÇÓò•ò¿¼ì¹çòÍ;çÁ®, ùò¹òèòòòçÁ+¿®ò•òÈòòò³òÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 + DC 07-F0 MDP_XRT_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ? OK / NG ____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ? OK / ERR ____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 06 80 80 20 20)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 07 80 80 08 08)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 08 85 83 06 06)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 09 85 83 08 08)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 0a 80 80 20 08)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0b 80 80 08 20)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0f 80 80 06 06)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 10 80 80 08 08)
0056 + DC 07-F0 MDP_XRT_FLD_ENA
0057 BC (d8)
0058 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0059 BC (c8)
0060 + DC 07-F0 MDP_XRT_ARS_DIS
0061 BC (d5)
0062 + DC 07-F0 MDP_XRT_AEC_RESET
0063 BC (d0)
0064 + DC 07-F0 MDP_XRT_FLD_RESET
0065 BC (da)
0066 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0067 BC (c4 04)
0068 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0069 BC (c5 0d)
0070 . C. ----- Success Verify ? OK / NG ____
0071 C.
0072 C.
0073 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0074 C.
0075 +. DC 07-F0 MDP_XRT_MODE_OBSV
0076 BC (c2)
0077 +. TI 2019-04-04 12:52:02.0
0078 DC 07-F0 MDP_XRT_MODE_OBSV
0079 BC (c2)
0080 . C. ----- Success Verify ? OK / NG ____
0081 C.
0082 C. ***** XRT END *****
0083 C.
0084 . C. ***** MDP `úÁíòÍ»ò¼YòÉÁÐò¹òèDCBC•x²è *****
0085 C. (¼ã°íYÓYÁYÉYÞYÉYáYçYèòÈ¼ò¼Á»Û¹òé)
0086 . S. DC-BC dcbc-402:DCBC
0087 (MDP_known_event)
0088 C.
0089 C.
0090 . C. ***** YÐY¹•İ Daily±¿ÍÑòÉ´Øò¹òèDCBC•x²è *****
0091 . S. DC-BC dcbc-153:DCBC
0092 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0093 C.
0094 C.
0095 . C. ;ãLOSÁY$YÁY-¼Á»Û;ã
```

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

Apr 04, 19 11:25

XRT_OGLIST_0157.chk

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*** OP Sequence for XRT ***

| | | | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|
| 2019/04/04 | 13:02:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 13:02:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | |
| 2019/04/04 | 13:03:00.0 | AOCS_OrE-point_Start_1_OG [0x097] | | | | | |
| | | AOCU_NM | 5 | 02-76 | 02 03 02 01 ca | | |
| 2019/04/04 | 13:03:16.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | |
| 2019/04/04 | 13:03:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | |
| 2019/04/04 | 13:03:20.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| 2019/04/04 | 13:03:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2019/04/04 | 13:03:24.0 | XRT_FLD_RESET_439_OG [0x1b7] | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2019/04/04 | 13:05:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | | |
| 2019/04/04 | 13:05:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | |
| 2019/04/04 | 13:06:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2019/04/04 | 15:14:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 15:14:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 15:14:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2019/04/04 | 15:14:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2019/04/04 | 15:17:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2019/04/04 | 15:25:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2019/04/04 | 15:26:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2019/04/04 | 15:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 15:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 15:59:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | |
| 2019/04/04 | 16:00:00.0 | AOCS_OrE-point_Start_2_OG [0x098] | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 4b a5 fc cd | | |
| 2019/04/04 | 16:00:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | |
| 2019/04/04 | 16:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | |
| 2019/04/04 | 16:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| 2019/04/04 | 16:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2019/04/04 | 16:00:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2019/04/04 | 16:02:56.0 | XRT_QT_PROG_SET_436_OG [0x1b4] | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 02 | | |
| 2019/04/04 | 16:02:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | |
| 2019/04/04 | 16:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2019/04/04 | 16:49:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 16:49:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 16:49:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2019/04/04 | 16:49:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2019/04/04 | 16:52:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2019/04/04 | 17:13:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2019/04/04 | 17:14:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2019/04/04 | 17:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 17:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 17:59:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | |
| 2019/04/04 | 18:00:00.0 | AOCS_OrE-point_Start_3_OG [0x099] | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | |
| 2019/04/04 | 18:00:18.0 | XRT_FLD_DIS_409_OG [0x199] | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | |
| 2019/04/04 | 18:00:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | |
| 2019/04/04 | 18:00:22.0 | XRT_ARS_DIS_443_OG [0x1bb] | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2019/04/04 | 18:02:58.0 | XRT_QT_PROG_SET_431_OG [0x1af] | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06 | | |
| 2019/04/04 | 18:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2019/04/04 | 18:09:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |

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| | | | | | | | | |
|------------|------------|-----------------------------------|--------------------------------|---|-------|----|----|----------|
| 2019/04/04 | 18:09:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 18:09:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 18:10:00.0 | AOCs_Orе-point_Start_4_OG [0x09a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa 00 |
| 2019/04/04 | 18:10:18.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCU_NM | 5 | 02-76 | 03 | 03 | 02 01 ca |
| 2019/04/04 | 18:10:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | |
| 2019/04/04 | 18:10:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | |
| 2019/04/04 | 18:10:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| 2019/04/04 | 18:10:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2019/04/04 | 18:12:56.0 | XRT_QT_PROG_SET_449_OG [0x1c1] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2019/04/04 | 18:12:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 04 | |
| 2019/04/04 | 18:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | |
| 2019/04/04 | 18:26:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2019/04/04 | 18:26:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 18:26:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 18:26:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2019/04/04 | 18:29:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2019/04/04 | 18:49:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2019/04/04 | 18:50:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2019/04/04 | 20:03:00.0 | XRT_CTRL_MANU_400_OG [0x190] | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2019/04/04 | 20:03:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2019/04/04 | 20:03:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 20:03:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 20:03:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2019/04/04 | 20:06:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2019/04/04 | 20:26:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2019/04/04 | 20:27:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2019/04/04 | 21:40:30.0 | XRT_CTRL_MANU_400_OG [0x190] | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2019/04/04 | 21:40:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2019/04/04 | 21:40:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 21:40:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 21:40:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2019/04/04 | 21:43:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2019/04/04 | 21:43:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2019/04/04 | 22:03:30.0 | XRT_Custom_430_OG [0x1ae] | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | |
| 2019/04/04 | 22:04:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2019/04/04 | 23:17:30.0 | XRT_CTRL_MANU_400_OG [0x190] | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2019/04/04 | 23:17:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2019/04/04 | 23:17:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 23:17:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/04 | 23:17:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2019/04/04 | 23:20:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2019/04/04 | 23:20:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2019/04/04 | 23:38:00.0 | XRT_Custom_430_OG [0x1ae] | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | |
| 2019/04/04 | 23:39:00.5 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2019/04/05 | 00:55:00.0 | XRT_CTRL_MANU_400_OG [0x190] | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2019/04/05 | 00:55:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2019/04/05 | 00:55:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/05 | 00:55:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/05 | 00:55:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2019/04/05 | 00:58:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2019/04/05 | 00:58:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2019/04/05 | 01:02:30.0 | XRT_Custom_430_OG [0x1ae] | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | |
| 2019/04/05 | 01:03:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2019/04/05 | 01:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2019/04/05 | 01:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2019/04/05 | 01:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/05 | 01:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2019/04/05 | 01:59:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----|----|----|----|
| 2019/04/05 | 02:00:00.0 | AOCS_OrE-point_Start_3_OG [0x099] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |
| | | AOCU_NM | | 5 | 02-76 | 00 | 00 | 00 | 00 |
| 2019/04/05 | 02:00:18.0 | XRT_FLD_DIS_409_OG [0x199] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | |
| 2019/04/05 | 02:00:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | |
| 2019/04/05 | 02:00:22.0 | XRT_ARS_DIS_443_OG [0x1bb] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2019/04/05 | 02:02:58.0 | XRT_QT_PROG_SET_431_OG [0x1af] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 06 | | |
| 2019/04/05 | 02:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/05 | 02:09:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 02:09:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 02:09:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |
| 2019/04/05 | 02:10:00.0 | AOCS_OrE-point_Start_4_OG [0x09a] | AOCU_NM | 5 | 02-76 | 03 | 03 | 02 | 01 |
| 2019/04/05 | 02:10:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | |
| 2019/04/05 | 02:10:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | |
| 2019/04/05 | 02:10:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | |
| 2019/04/05 | 02:10:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2019/04/05 | 02:10:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2019/04/05 | 02:12:56.0 | XRT_QT_PROG_SET_449_OG [0x1c1] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 04 | | |
| 2019/04/05 | 02:12:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | | |
| 2019/04/05 | 02:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/05 | 02:18:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 02:18:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 02:18:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2019/04/05 | 02:18:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2019/04/05 | 02:21:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2019/04/05 | 02:37:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/05 | 02:38:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/05 | 03:53:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 03:53:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 03:53:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2019/04/05 | 03:53:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2019/04/05 | 03:56:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2019/04/05 | 04:14:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/05 | 04:15:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/05 | 05:23:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 05:23:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 05:23:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2019/04/05 | 05:23:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2019/04/05 | 05:26:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2019/04/05 | 05:51:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/05 | 05:52:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/05 | 06:00:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 06:00:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 06:00:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |
| 2019/04/05 | 06:01:00.0 | AOCS_OrE-point_Start_3_OG [0x099] | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 |
| 2019/04/05 | 06:01:18.0 | XRT_FLD_DIS_409_OG [0x199] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | |
| 2019/04/05 | 06:01:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | |
| 2019/04/05 | 06:01:22.0 | XRT_ARS_DIS_443_OG [0x1bb] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2019/04/05 | 06:03:58.0 | XRT_QT_PROG_SET_431_OG [0x1af] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 06 | | |
| 2019/04/05 | 06:04:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |

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|------------|------------|-----------------------------------|---------------------------|---|-------|----------------|
| 2019/04/05 | 06:10:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2019/04/05 | 06:10:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2019/04/05 | 06:10:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2019/04/05 | 06:11:00.0 | AOCS_ORe-point_Start_4_OG [0x09a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2019/04/05 | 06:11:18.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCU_NM | 5 | 02-76 | 03 03 02 01 ca |
| 2019/04/05 | 06:11:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2019/04/05 | 06:11:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2019/04/05 | 06:11:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2019/04/05 | 06:11:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2019/04/05 | 06:13:56.0 | XRT_QT_PROG_SET_449_OG [0x1c1] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2019/04/05 | 06:13:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 04 |
| 2019/04/05 | 06:14:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d |
| 2019/04/05 | 07:04:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2019/04/05 | 07:04:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2019/04/05 | 07:04:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2019/04/05 | 07:04:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2019/04/05 | 07:07:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2019/04/05 | 07:29:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2019/04/05 | 07:30:00.5 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | |
| 2019/04/05 | 08:44:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2019/04/05 | 08:44:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2019/04/05 | 08:44:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2019/04/05 | 08:44:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2019/04/05 | 08:47:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2019/04/05 | 09:06:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2019/04/05 | 09:07:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | |
| 2019/04/05 | 10:24:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2019/04/05 | 10:24:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2019/04/05 | 10:24:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2019/04/05 | 10:24:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2019/04/05 | 10:27:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2019/04/05 | 10:39:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2019/04/05 | 10:40:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_Custom_430_OG [0x1ae] | | | |
| 2019/04/05 | 14:29:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2019/04/05 | 14:29:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2019/04/05 | 14:30:00.0 | AOCS_ORe-point_Start_1_OG [0x097] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2019/04/05 | 14:30:16.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCU_NM | 5 | 02-76 | 02 03 02 01 ca |
| 2019/04/05 | 14:30:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2019/04/05 | 14:30:20.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2019/04/05 | 14:30:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2019/04/05 | 14:30:24.0 | XRT_FLD_RESET_439_OG [0x1b7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2019/04/05 | 14:32:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2019/04/05 | 14:32:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 |
| 2019/04/05 | 14:33:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d |
| 2019/04/05 | 15:48:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2019/04/05 | 15:48:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2019/04/05 | 15:48:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2019/04/05 | 15:48:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |

| | | | | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|--|--|
| 2019/04/05 | 15:51:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2019/04/05 | 16:01:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/05 | 16:02:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/05 | 16:07:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 16:07:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 16:07:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2019/04/05 | 16:07:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | | | | | | | |
| | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2019/04/05 | 16:10:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2019/04/05 | 16:11:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/05 | 16:12:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/05 | 17:24:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 17:24:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 17:24:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2019/04/05 | 17:24:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | | | | | | | |
| | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2019/04/05 | 17:27:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2019/04/05 | 17:47:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/05 | 17:48:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/05 | 18:02:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 18:02:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 18:02:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | | | | | | | |
| | | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | |
| 2019/04/05 | 18:03:00.0 | AOCS_Ore-point_Start_3_OG [0x099] | | | | | | | |
| | | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | |
| 2019/04/05 | 18:03:18.0 | XRT_FLD_DIS_409_OG [0x199] | | | | | | | |
| | | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | |
| 2019/04/05 | 18:03:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | | | | | | | |
| | | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | |
| 2019/04/05 | 18:03:22.0 | XRT_ARS_DIS_443_OG [0x1bb] | | | | | | | |
| | | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2019/04/05 | 18:05:58.0 | XRT_QT_PROG_SET_431_OG [0x1af] | | | | | | | |
| | | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06 | | | |
| 2019/04/05 | 18:06:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/05 | 18:12:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 18:12:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 18:12:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | |
| 2019/04/05 | 18:13:00.0 | AOCS_Ore-point_Start_2_OG [0x098] | | | | | | | |
| | | | AOCU_NM | 5 | 02-76 | 00 4b a5 fc cd | | | |
| 2019/04/05 | 18:13:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | |
| 2019/04/05 | 18:13:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | |
| 2019/04/05 | 18:13:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | |
| 2019/04/05 | 18:13:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2019/04/05 | 18:13:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | | | | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2019/04/05 | 18:15:56.0 | XRT_QT_PROG_SET_436_OG [0x1b4] | | | | | | | |
| | | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 02 | | | |
| 2019/04/05 | 18:15:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | | |
| 2019/04/05 | 18:16:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/05 | 19:01:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 19:01:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 19:01:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2019/04/05 | 19:01:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | | | | | | | |
| | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2019/04/05 | 19:04:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2019/04/05 | 19:24:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/05 | 19:25:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/05 | 20:29:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 20:29:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/05 | 20:29:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | | | | | | | |
| | | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | |

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|------------|------------|---|---|-------|----|----|----|----|-------------|
| 2019/04/05 | 20:30:00.0 | AOCS_OrE-point_Start_5_OG [0x09b] AOCU_NM | 5 | 02-76 | 04 | 03 | 02 | 01 | ca |
| 2019/04/05 | 20:30:18.0 | XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA | 1 | 07-F0 | | | | | d8 |
| 2019/04/05 | 20:30:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | | | | | c8 |
| 2019/04/05 | 20:30:22.0 | XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET | 1 | 07-F0 | | | | | d0 |
| 2019/04/05 | 20:30:24.0 | XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS | 1 | 07-F0 | | | | | d5 |
| 2019/04/05 | 20:30:26.0 | XRT_FLD_RESET_434_OG [0x1b2] MDP_XRT_FLD_RESET | 1 | 07-F0 | | | | | da |
| 2019/04/05 | 20:32:56.0 | XRT_QT_PROG_SET_449_OG [0x1c1] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | | | | | c4 04 |
| 2019/04/05 | 20:32:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET | 2 | 07-F0 | | | | | c5 0d |
| 2019/04/05 | 20:33:00.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | | | | c0 |
| 2019/04/05 | 20:38:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | | c1 |
| 2019/04/05 | 20:38:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | | c1 |
| 2019/04/05 | 20:38:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | | | | da |
| 2019/04/05 | 20:38:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | | | | e8 |
| 2019/04/05 | 20:41:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | | | | e9 |
| 2019/04/05 | 21:01:31.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/05 | 21:02:31.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | | | | c0 |
| 2019/04/05 | 22:15:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | | c1 |
| 2019/04/05 | 22:15:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | | c1 |
| 2019/04/05 | 22:15:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | | | | da |
| 2019/04/05 | 22:15:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | | | | e8 |
| 2019/04/05 | 22:18:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | | | | e9 |
| 2019/04/05 | 22:37:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/05 | 22:38:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | | | | c0 |
| 2019/04/05 | 23:52:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | | c1 |
| 2019/04/05 | 23:52:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | | c1 |
| 2019/04/05 | 23:52:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | | | | da |
| 2019/04/05 | 23:52:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | | | | e8 |
| 2019/04/05 | 23:55:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | | | | e9 |
| 2019/04/06 | 00:07:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/06 | 00:08:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | | | | c0 |
| 2019/04/06 | 01:23:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | | c1 |
| 2019/04/06 | 01:23:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | | c1 |
| 2019/04/06 | 01:23:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | | | | da |
| 2019/04/06 | 01:23:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | | | | e8 |
| 2019/04/06 | 01:26:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | | | | e9 |
| 2019/04/06 | 01:36:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/06 | 01:37:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | | | | c0 |
| 2019/04/06 | 01:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | | c1 |
| 2019/04/06 | 01:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | | c1 |
| 2019/04/06 | 01:59:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION | 4 | 07-F8 | | | | | 22 ff aa 00 |
| 2019/04/06 | 02:00:00.0 | AOCS_OrE-point_Start_3_OG [0x099] AOCU_NM | 5 | 02-76 | | | | | 00 00 00 00 |
| 2019/04/06 | 02:00:18.0 | XRT_FLD_DIS_409_OG [0x199] MDP_XRT_FLD_DIS | 1 | 07-F0 | | | | | d9 |
| 2019/04/06 | 02:00:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | | | | | c9 |
| 2019/04/06 | 02:00:22.0 | XRT_ARS_DIS_443_OG [0x1bb] MDP_XRT_ARS_DIS | 1 | 07-F0 | | | | | d5 |
| 2019/04/06 | 02:02:58.0 | XRT_QT_PROG_SET_431_OG [0x1af] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | | | | | c4 06 |
| 2019/04/06 | 02:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | | | | c0 |
| 2019/04/06 | 02:09:54.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | | c1 |
| 2019/04/06 | 02:09:56.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | | c1 |
| 2019/04/06 | 02:09:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | | | | | | | |

| | | | | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|----|----|----|-------|
| 2019/04/06 | 02:10:00.0 | AOCS_ORe-point_Start_4_OG [0x09a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |
| | | AOCU_NM | | 5 | 02-76 | 03 | 03 | 02 | 01 ca |
| 2019/04/06 | 02:10:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | |
| 2019/04/06 | 02:10:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | |
| 2019/04/06 | 02:10:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | |
| 2019/04/06 | 02:10:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2019/04/06 | 02:10:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2019/04/06 | 02:12:56.0 | XRT_QT_PROG_SET_449_OG [0x1c1] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 04 | | |
| 2019/04/06 | 02:12:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | | |
| 2019/04/06 | 02:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/06 | 02:51:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/06 | 02:51:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/06 | 02:51:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2019/04/06 | 02:51:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2019/04/06 | 02:54:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2019/04/06 | 03:12:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/06 | 03:13:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/06 | 03:29:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/06 | 03:29:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/06 | 03:29:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2019/04/06 | 03:30:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 | 4b | a5 | fc cd |
| 2019/04/06 | 03:30:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | |
| 2019/04/06 | 03:30:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | |
| 2019/04/06 | 03:30:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | |
| 2019/04/06 | 03:30:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2019/04/06 | 03:30:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2019/04/06 | 03:32:56.0 | XRT_QT_PROG_SET_436_OG [0x1b4] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 02 | | |
| 2019/04/06 | 03:32:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | | |
| 2019/04/06 | 03:33:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/06 | 04:19:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/06 | 04:19:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/06 | 04:19:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2019/04/06 | 04:19:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2019/04/06 | 04:22:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2019/04/06 | 04:49:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/06 | 04:50:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/06 | 05:32:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/06 | 05:32:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/06 | 05:32:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |
| 2019/04/06 | 05:33:00.0 | AOCS_ORe-point_Start_3_OG [0x099] | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 00 |
| 2019/04/06 | 05:33:18.0 | XRT_FLD_DIS_409_OG [0x199] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | |
| 2019/04/06 | 05:33:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | |
| 2019/04/06 | 05:33:22.0 | XRT_ARS_DIS_443_OG [0x1bb] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2019/04/06 | 05:35:58.0 | XRT_QT_PROG_SET_403_OG [0x193] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 08 | | |
| 2019/04/06 | 05:36:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2019/04/06 | 05:42:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/06 | 05:42:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2019/04/06 | 05:42:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |

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|------------|------------|-----------------------------------|---|-------|----|----|----|----|----|
| 2019/04/06 | 05:43:00.0 | AOCS_ORe-point_Start_4_OG [0x09a] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 03 | 03 | 02 | 01 | ca |
| 2019/04/06 | 05:43:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2019/04/06 | 05:43:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2019/04/06 | 05:43:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2019/04/06 | 05:43:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2019/04/06 | 05:43:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2019/04/06 | 05:45:56.0 | XRT_QT_PROG_SET_449_OG [0x1c1] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 04 | | | |
| 2019/04/06 | 05:45:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | | | |
| 2019/04/06 | 05:46:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2019/04/06 | 05:59:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2019/04/06 | 05:59:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2019/04/06 | 05:59:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2019/04/06 | 05:59:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2019/04/06 | 06:02:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2019/04/06 | 06:26:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/06 | 06:27:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2019/04/06 | 07:40:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2019/04/06 | 07:40:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2019/04/06 | 07:40:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2019/04/06 | 07:40:06.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2019/04/06 | 07:43:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2019/04/06 | 08:04:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2019/04/06 | 08:05:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2019/04/06 | 09:19:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2019/04/06 | 09:19:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2019/04/06 | 09:19:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2019/04/06 | 09:19:36.0 | XRT_PREFLR_STRT_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2019/04/06 | 09:22:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2019/04/06 | 10:59:00.0 | AOCS_ORe-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |