

XRT Timeline to be uploaded on 2017/06/17

Period: 2017/06/17 10:21:00 - 2017/06/27 10:46:00

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Normal mode

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XOB #1B94: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 180s cad (G-band/Leak first)

| Term | Pointing (x, y) | Comment |
|---------------------------------|---|-------------------------------------|
| 06/17 10:34:30 - 06/17 13:20:00 | Track (700.5, -158.8) ^{Ⓜ 06/17 10:31:00} | # OP start + 10min CH Obs. with EIS |
| 06/17 15:35:30 - 06/17 17:59:54 | Track (728.9, -158.2) ^{Ⓜ 06/17 15:25:00} | CH obs. with EIS |
| 06/17 18:13:00 - 06/17 23:10:00 | Track (-29.7, -367.4) ^{Ⓜ 06/17 18:10:00} | EIS QS-BP obs. |
| 06/17 23:43:00 - 06/18 00:48:30 | Track (772.8, -157.2) ^{Ⓜ 06/17 23:37:00} | CH obs.with EIS |
| 06/19 12:03:00 - 06/19 17:24:54 | Track (312.7, -368.8) ^{Ⓜ 06/19 12:00:00} | EIS BP-QS Obs. |
| PROG= 17 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 20-time(s) 180.0sec | | |
| 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 #1BA3: 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 |
|-----------------------------------|---|------------------|
| 06/17 13:51:00 - 06/17 14:58:30 | Track (-364.1, 110.8) ^{Ⓜ 06/17 13:25:00} | HOP307 AR obs. |
| 06/18 01:19:30 - 06/18 03:54:30 | Track (-266.2, 109.1) ^{Ⓜ 06/18 00:52:00} | HOP307 AR obs. |
| 06/18 06:32:30 - 06/18 16:49:54 | Track (-216.9, 108.3) ^{Ⓜ 06/18 06:29:30} | HOP307 AR Obs. |
| 06/18 17:56:30 - 06/18 18:06:54 | Track (-119.0, 107.0) ^{Ⓜ 06/18 17:27:00} | HOP307 AR. Obs. |
| 06/19 01:13:00 - 06/19 05:41:24 | Track (-49.3, 106.2) ^{Ⓜ 06/19 01:10:00} | HOP307 AR Obs. |
| 06/19 05:54:30 - 06/19 11:59:54 | Track (-6.7, 105.8) ^{Ⓜ 06/19 05:51:30} | HOP307 AR Obs. |
| 06/19 18:31:30 - 06/19 20:59:54 | Track (103.4, 105.0) ^{Ⓜ 06/19 18:00:00} | HOP307 AR Obs. |
| 06/20 04:09:00 - 06/20 05:59:54 | Track (193.0, 104.6) ^{Ⓜ 06/20 04:00:00} | HOP307 AR Obs. |
| 06/20 06:13:00 - 06/20 08:25:00 | Track (212.2, 104.5) ^{Ⓜ 06/20 06:10:00} | HOP307 AR Obs. |
| 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 3-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= 32 40-time(s) 90.0sec | | |
| thin-Be/Open med-Be/Open close | Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) | Q=95 3 0 2.0sec |
| Al-poly/Open thin-Be/Open close | Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) | Q=95 3 0 34.0sec |
| thin-Be/Open med-Be/Open close | Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) | Q=95 3 1 2.0sec |
| Al-poly/Open thin-Be/Open close | Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) | Q=95 3 1 34.0sec |
| thin-Be/Open med-Be/Open close | Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) | Q=95 3 2 2.0sec |
| Al-poly/Open thin-Be/Open close | Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) | Q=95 3 2 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 |
|----------------------------------|--|---|
| 06/17 18:03:00 - 06/17 18:09:54 | Fixed (0.0, 0.0) | synoptic |
| 06/18 06:22:30 - 06/18 06:29:24 | Fixed (0.0, 0.0) | synoptic, shifted 19.5 min |
| 06/18 16:53:00 - 06/18 17:09:00 | Fixed (0.0, 0.0) | XRT Stray Light + Synoptic |
| 06/19 05:44:30 - 06/19 05:51:24 | Fixed (0.0, 0.0) | synoptic, shifted -18.5 min |
| 06/19 17:28:00 - 06/19 17:44:30 | Fixed (0.0, 0.0) | XRT Stray Light + Synoptic + SOT flat field |
| 06/20 06:03:00 - 06/20 06:09:54 | Fixed (0.0, 0.0) | synoptic |
| PROG= 19 1-time(s) | | |
| Subr= 1 1-time(s) 2.0sec | | |
| Seqn= 5 1-time(s) 2.0sec | | |
| Open/Ti-poly Open/thick-Al close | Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) | Q=98 0 0 2.0sec |
| Open/Ti-poly Open/thick-Al close | Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) | Q=98 0 0 2.0sec |
| Open/Ti-poly Open/thick-Al close | Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) | Q=98 0 0 2.0sec |
| Open/Ti-poly Open/thick-Al close | Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) | DPCM 0 0 2.0sec |
| Open/Ti-poly Open/thick-Al close | Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) | DPCM 0 0 2.0sec |
| Seqn= 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 | | |

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|-----------------|--|------------------|------------------|---------------|-------|------|-------|-----|--------------------|------------------------|-------|------------|----------|--------|
| | | 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 #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)

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|---------------------------------|--|---|--------------|-----------------|-------|------------------------------|-------|-----|--------------------|------------------------|-------|------------|----------|--------|
| Term | | Pointing (x, y) | | | | Comment | | | | | | | | |
| 06/18 04:36:30 - 06/18 06:19:24 | | Track (796.8, -156.5) @ 06/18 04:32:00 | | | | CH obs. with EIS | | | | | | | | |
| 06/18 18:10:00 - 06/19 01:09:54 | | Track (169.3, -368.7) @ 06/18 18:07:00 | | | | # EIS QS-BP + Spectral Atlas | | | | | | | | |
| PROG= 02 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 #1B9E: Stray light study 2017-9 ;Al-mesh and Ti-poly, 2x2 full FOV(1min-cad) and 1x1 384 on AR(10sec-cad)

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|---------------------------------|--|-------------------|---------------|----------------|-------|----------------------------|-------|-----|--------------------|------------------------|-------|------------|----------|--------|
| Term | | Pointing (x, y) | | | | Comment | | | | | | | | |
| 06/18 17:11:30 - 06/18 17:26:54 | | Fixed (0.0, 0.0) | | | | XRT Stray Light + Synoptic | | | | | | | | |
| PROG= 05 1-time(s) | | | | | | | | | | | | | | |
| Subr= 2 | | 10-time(s) | | 2.0sec | | | | | | | | | | |
| Seqn= 52 | | 1-time(s) | | 10.0sec | | | | | | | | | | |
| | | Open/Ti-poly | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1024, 1200) | Q=95 | 0 | 0 | 2.0sec |
| | | Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1024, 1200) | Q=95 | 0 | 0 | 2.0sec |
| Subr= 3 | | 8-time(s) | | 2.0sec | | | | | | | | | | |
| Seqn= 81 | | 1-time(s) | | 2.0sec | | | | | | | | | | |
| | | Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| | | Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 2.83s | Obs | 2x2 | 2048x2048 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| Seqn= 52 | | 4-time(s) | | 10.0sec | | | | | | | | | | |
| | | Open/Ti-poly | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1024, 1200) | Q=95 | 0 | 0 | 2.0sec |
| | | Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1024, 1200) | Q=95 | 0 | 0 | 2.0sec |
| Default Filter | | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | | Comp. | AEC Buffer | Interval | |

XOB #1B9F: Stray light study 2017-10 ;Al-poly and thin-Be, 2x2 full FOV(1min-cad) and 1x1 384 on AR(10sec-cad)

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|---------------------------------|--|-------------------|------------------|----------------|-------|---|-------|-----|--------------------|------------------------|-------|------------|----------|--------|
| Term | | Pointing (x, y) | | | | Comment | | | | | | | | |
| 06/19 17:47:00 - 06/19 17:59:54 | | Fixed (0.0, 0.0) | | | | XRT Stray Light + Synoptic + SOT flat field | | | | | | | | |
| PROG= 06 1-time(s) | | | | | | | | | | | | | | |
| Subr= 2 | | 10-time(s) | | 2.0sec | | | | | | | | | | |
| Seqn= 52 | | 1-time(s) | | 10.0sec | | | | | | | | | | |
| | | Open/Ti-poly | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1024, 1200) | Q=95 | 0 | 0 | 2.0sec |
| | | Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1024, 1200) | Q=95 | 0 | 0 | 2.0sec |
| Subr= 3 | | 8-time(s) | | 2.0sec | | | | | | | | | | |
| Seqn= 82 | | 1-time(s) | | 2.0sec | | | | | | | | | | |
| | | Al-poly/Open | Al-poly/thick-Al | close | Safe | Norm | 4.00s | 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= 52 | | 3-time(s) | | 10.0sec | | | | | | | | | | |
| | | Open/Ti-poly | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1024, 1200) | Q=95 | 0 | 0 | 2.0sec |
| | | Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 384x384 (1024, 1200) | Q=95 | 0 | 0 | 2.0sec |
| Default Filter | | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | | Comp. | AEC Buffer | Interval | |

XOB #1BA1: HOP336 1-filter - Al/poly -384x384, 512ms and 4s, 60s-cadence, G-band - 384x384 1ms

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|---------------------------------|--|--|-------------|-------------------|------|-------------------|-----|-----|-----|----------------------|------|---|---|--------|
| Term | | Pointing (x, y) | | | | Comment | | | | | | | | |
| 06/19 21:45:30 - 06/20 03:34:30 | | Track (-42.0, 577.1) @ 06/19 21:00:00 | | | | HOP336 Cycle25 BP | | | | | | | | |
| PROG= 08 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 | | 15-time(s) | | 2.0sec | | | | | | | | |
| Seqn= 68 | | 1-time(s) | | 60.0sec | | | | | | | | | | |

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|----------------|----------------|-------|------|-------|-------|---------|----------------------|-------|------------|----------|--------|
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 4.00s | Obs 1x1 | 384x384 (1064, 1048) | Q=90 | 0 | 0 | 2.0sec |
| Al-poly/Open | Al-poly/Open | close | Safe | Norm | 500ms | 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 | |

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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 |
|---------------------------------|---|-------------------------------------|
| 06/17 10:34:30 - 06/17 13:20:00 | Track (700.5, -158.8) @ 06/17 10:31:00 | # OP start + 10min CH Obs. with EIS |
| 06/17 13:51:00 - 06/17 14:58:30 | Track (-364.1, 110.8) @ 06/17 13:25:00 | HOP307 AR obs. |
| 06/17 15:35:30 - 06/17 17:59:54 | Track (728.9, -158.2) @ 06/17 15:25:00 | CH obs. with EIS |
| 06/17 18:13:00 - 06/17 23:10:00 | Track (-29.7, -367.4) @ 06/17 18:10:00 | EIS QS-BP obs. |
| 06/17 23:43:00 - 06/18 00:48:30 | Track (772.8, -157.2) @ 06/17 23:37:00 | CH obs.with EIS |
| 06/18 01:19:30 - 06/18 03:54:30 | Track (-266.2, 109.1) @ 06/18 00:52:00 | HOP307 AR obs. |
| 06/18 04:36:30 - 06/18 06:19:24 | Track (796.8, -156.5) @ 06/18 04:32:00 | CH obs. with EIS |
| 06/18 06:32:30 - 06/18 16:49:54 | Track (-216.9, 108.3) @ 06/18 06:29:30 | HOP307 AR Obs. |
| 06/18 17:56:30 - 06/18 18:06:54 | Track (-119.0, 107.0) @ 06/18 17:27:00 | HOP307 AR. Obs. |
| 06/18 18:10:00 - 06/19 01:09:54 | Track (169.3, -368.7) @ 06/18 18:07:00 | # EIS QS-BP + Spectral Atlas |
| 06/19 01:13:00 - 06/19 05:41:24 | Track (-49.3, 106.2) @ 06/19 01:10:00 | HOP307 AR Obs. |
| 06/19 05:54:30 - 06/19 11:59:54 | Track (-6.7, 105.8) @ 06/19 05:51:30 | HOP307 AR Obs. |
| 06/19 12:03:00 - 06/19 17:24:54 | Track (312.7, -368.8) @ 06/19 12:00:00 | EIS BP-QS Obs. |
| 06/19 18:31:30 - 06/19 20:59:54 | Track (103.4, 105.0) @ 06/19 18:00:00 | HOP307 AR Obs. |
| 06/19 21:45:30 - 06/20 03:34:30 | Track (-42.0, 577.1) @ 06/19 21:00:00 | HOP336 Cycle25 BP |
| 06/20 04:09:00 - 06/20 05:59:54 | Track (193.0, 104.6) @ 06/20 04:00:00 | HOP307 AR Obs. |
| 06/20 06:13:00 - 06/20 08:25:00 | Track (212.2, 104.5) @ 06/20 06:10:00 | HOP307 AR Obs. |

PROG= 13 30-time(s)

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

* * * * *

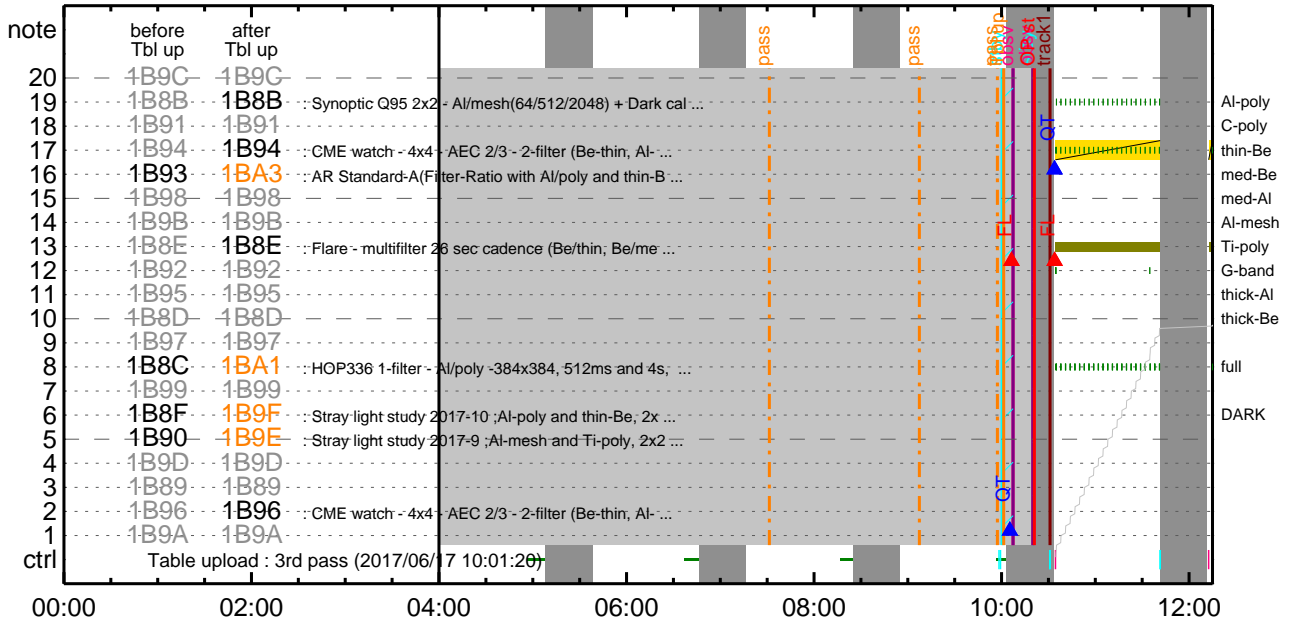
Flare Detection

* * * * *

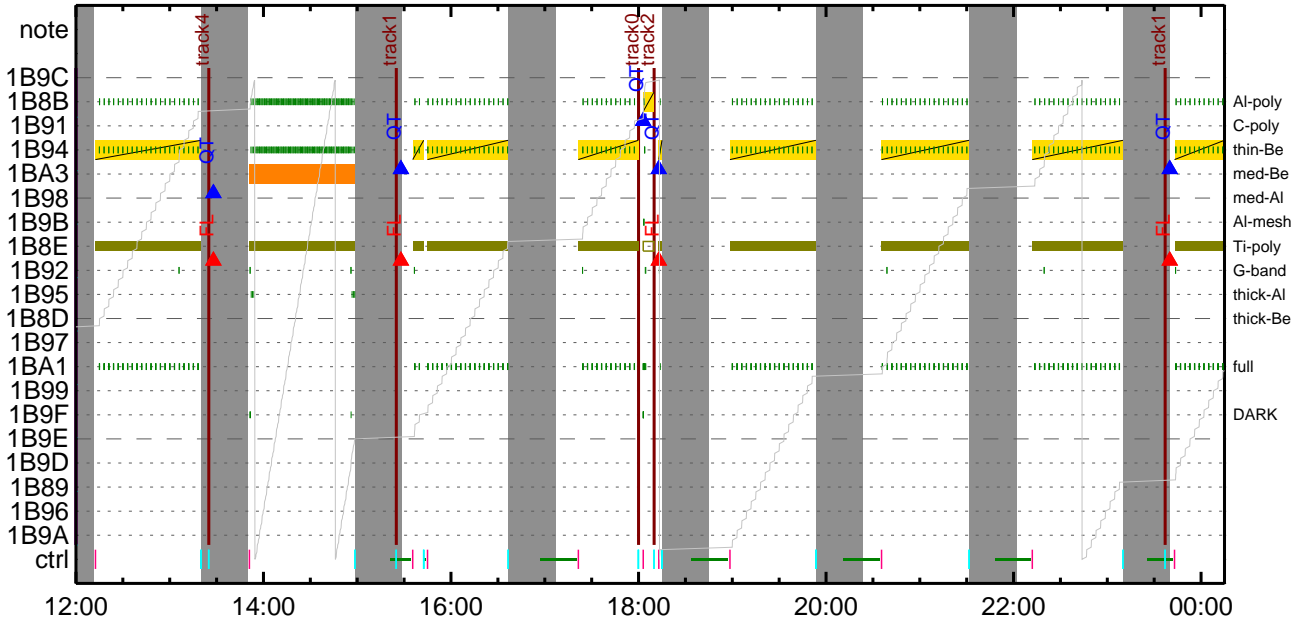
FLD Patrol

| Term | Pointing (x, y) | Comment |
|---------------------------------|---|--|
| 06/17 18:10:18 - 06/18 06:19:48 | Track (-29.7, -367.4) @ 06/17 18:10:00 | EIS QS-BP obs. |
| 06/18 06:29:48 - 06/18 16:50:18 | Track (-216.9, 108.3) @ 06/18 06:29:30 | HOP307 AR Obs. |
| 06/18 17:27:18 - 06/19 05:41:48 | Track (-119.0, 107.0) @ 06/18 17:27:00 | HOP307 AR. Obs. |
| 06/19 05:51:48 - 06/19 17:25:18 | Track (-6.7, 105.8) @ 06/19 05:51:30 | HOP307 AR Obs. |
| 06/19 18:00:18 - 06/20 06:00:18 | Track (103.4, 105.0) @ 06/19 18:00:00 | HOP307 AR Obs. |
| 06/20 06:10:18 - 06/27 10:46:00 | Track (212.2, 104.5) @ 06/20 06:10:00 | HOP307 AR Obs. |
| 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 |

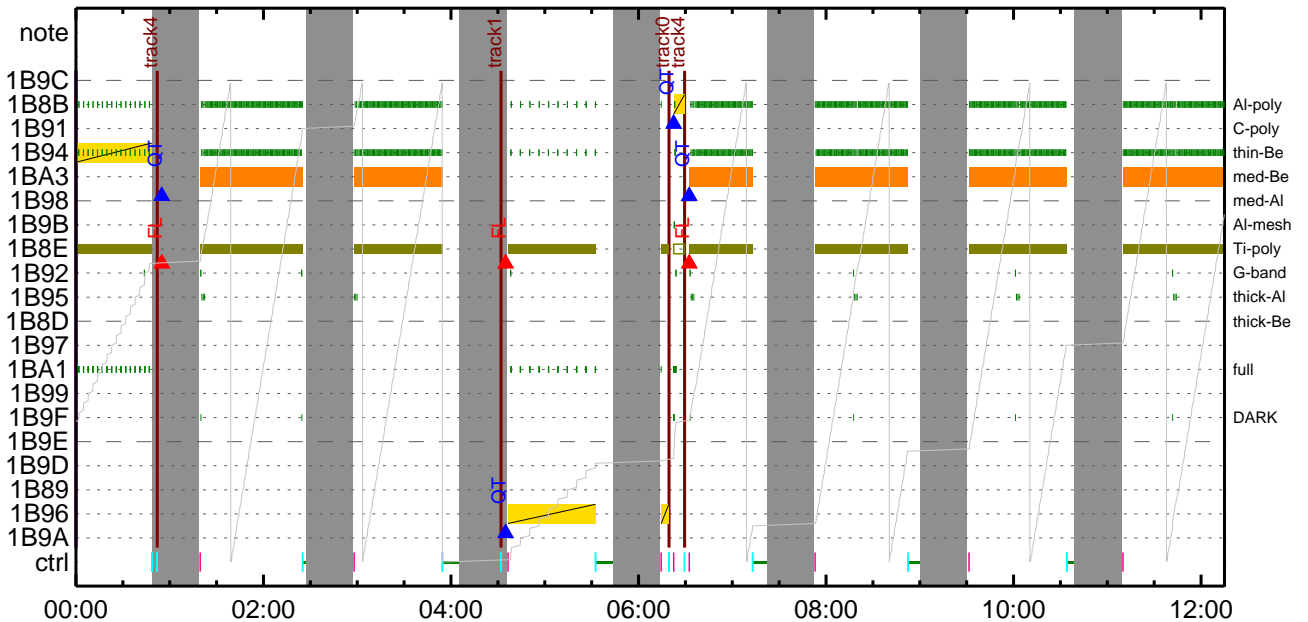
CMDI #0812 2017/06/17



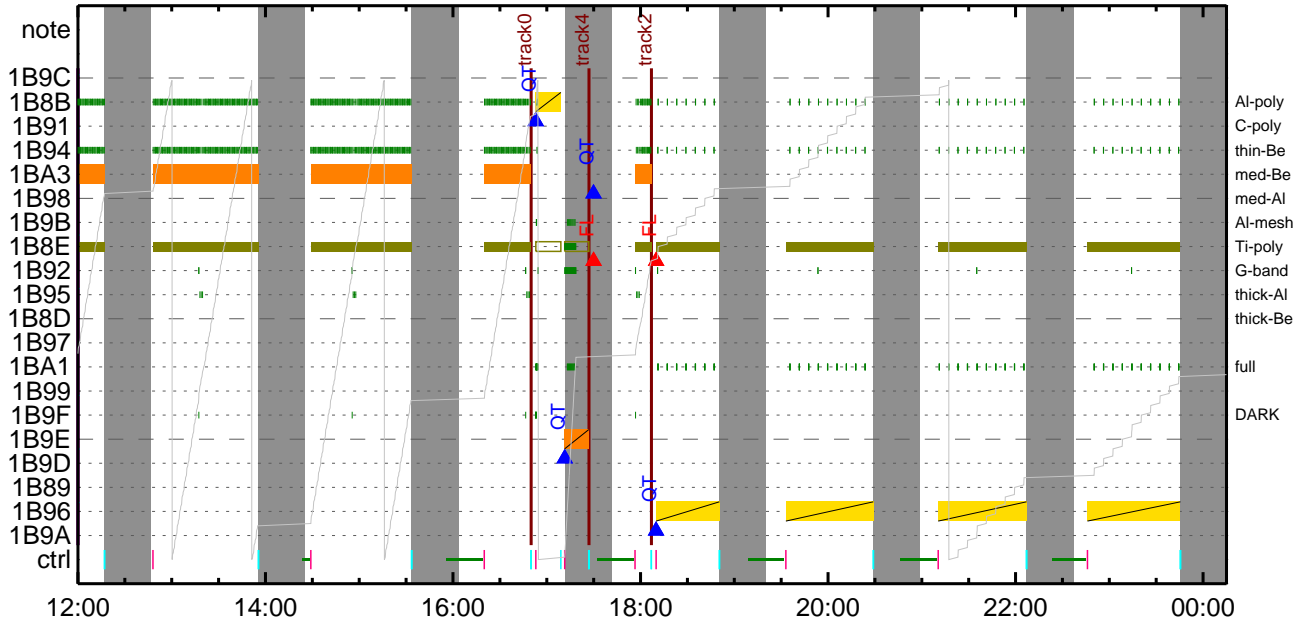
CMDI #0812 2017/06/17



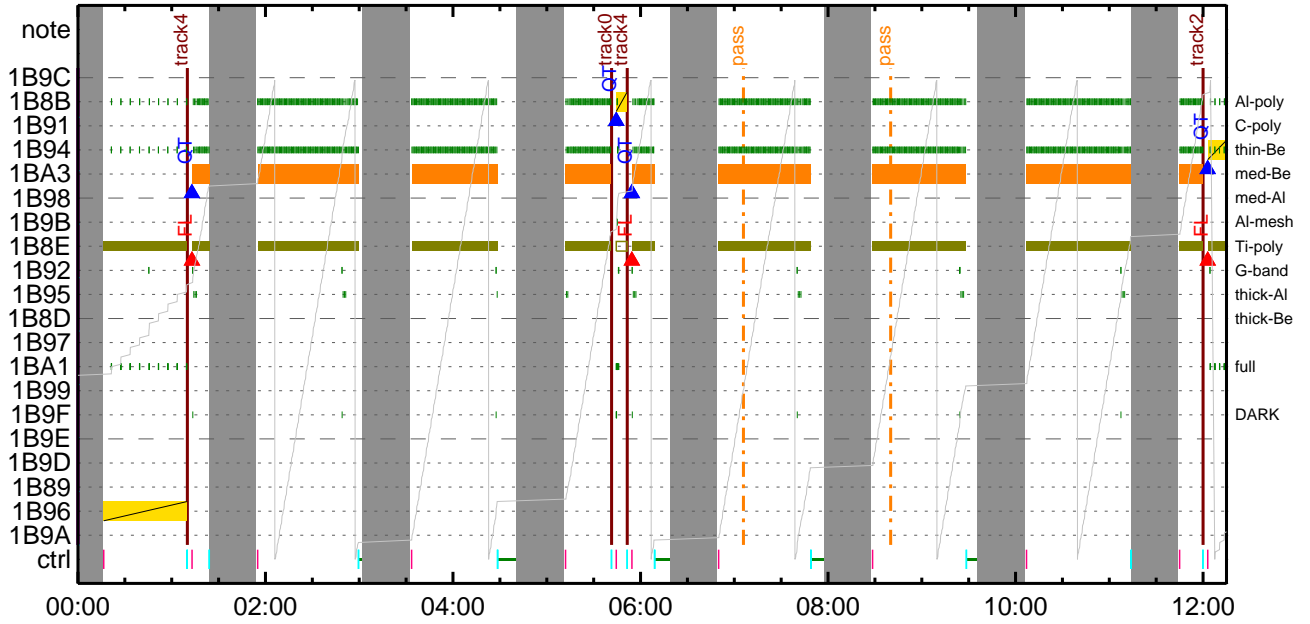
CMDI #0812 2017/06/18



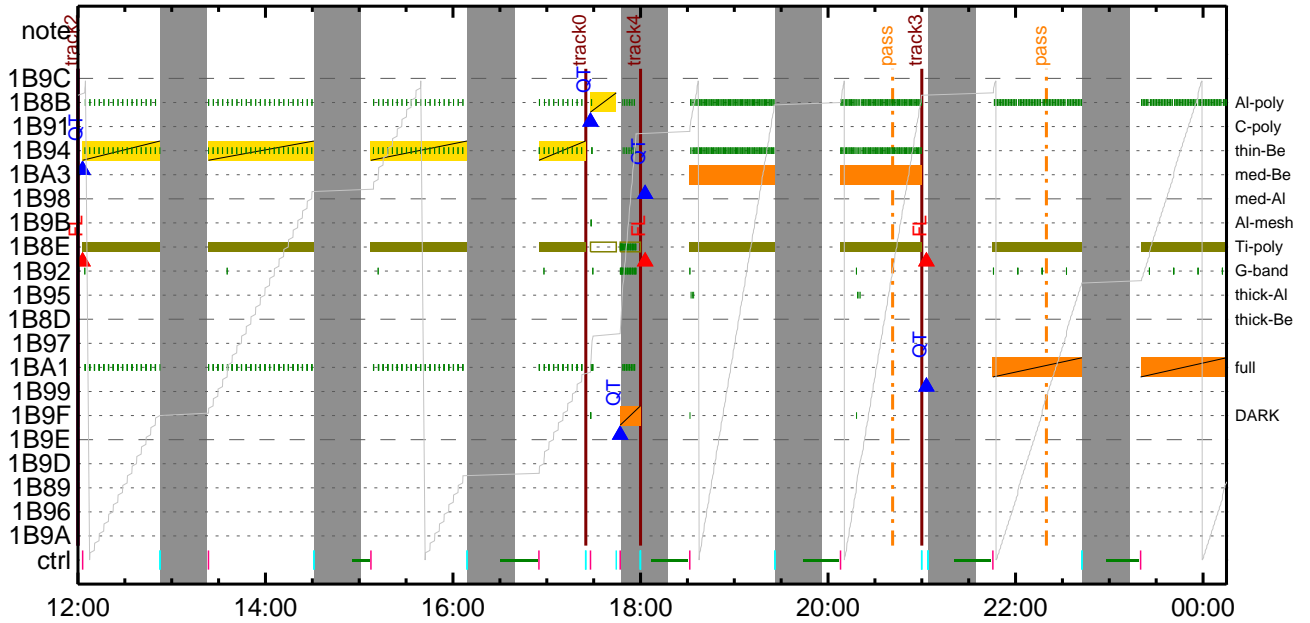
CMDI #0812 2017/06/18



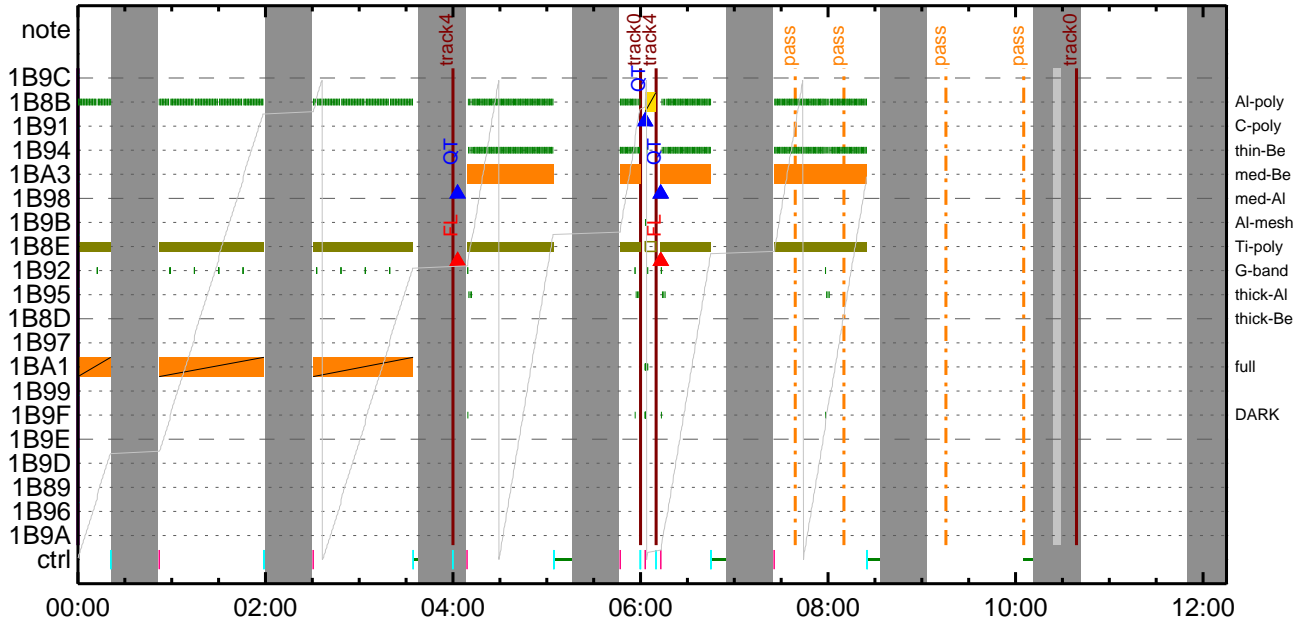
CMDI #0812 2017/06/19



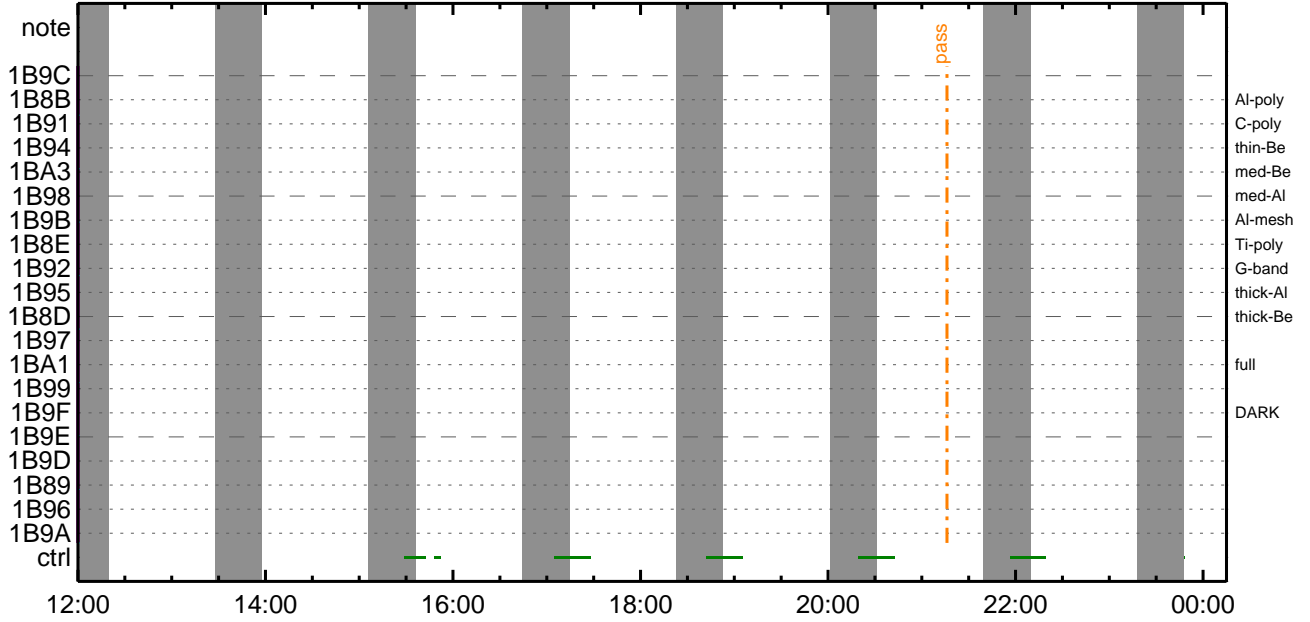
CMDI #0812 2017/06/19



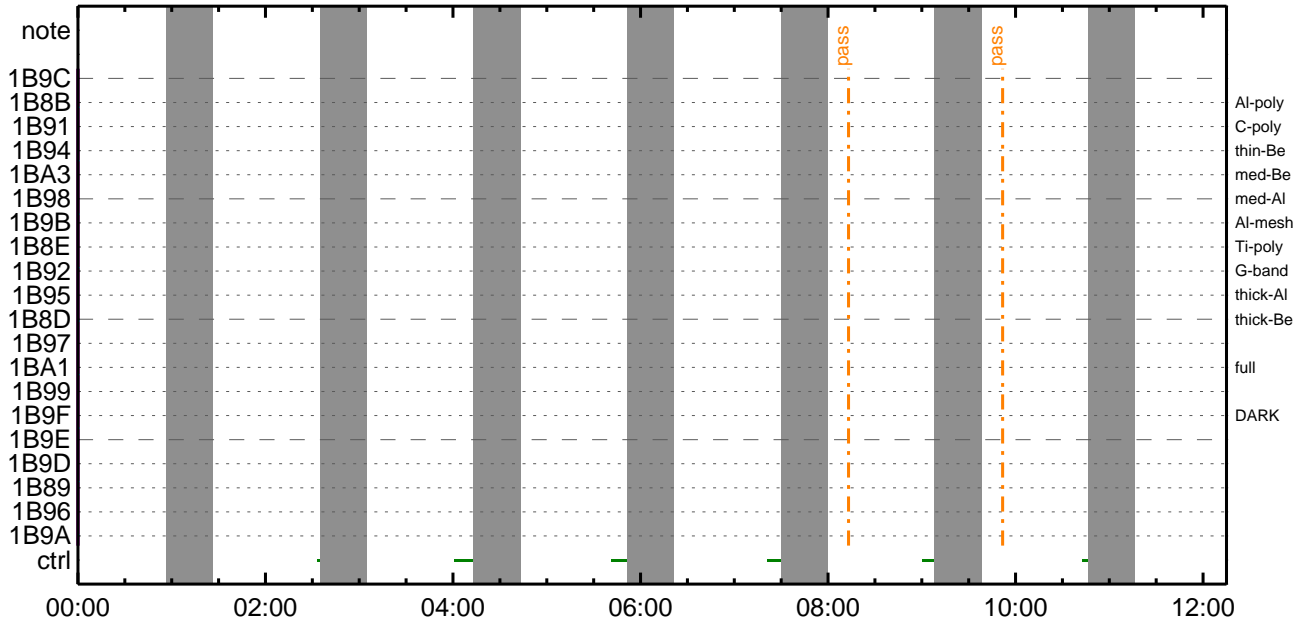
CMDI #0812 2017/06/20



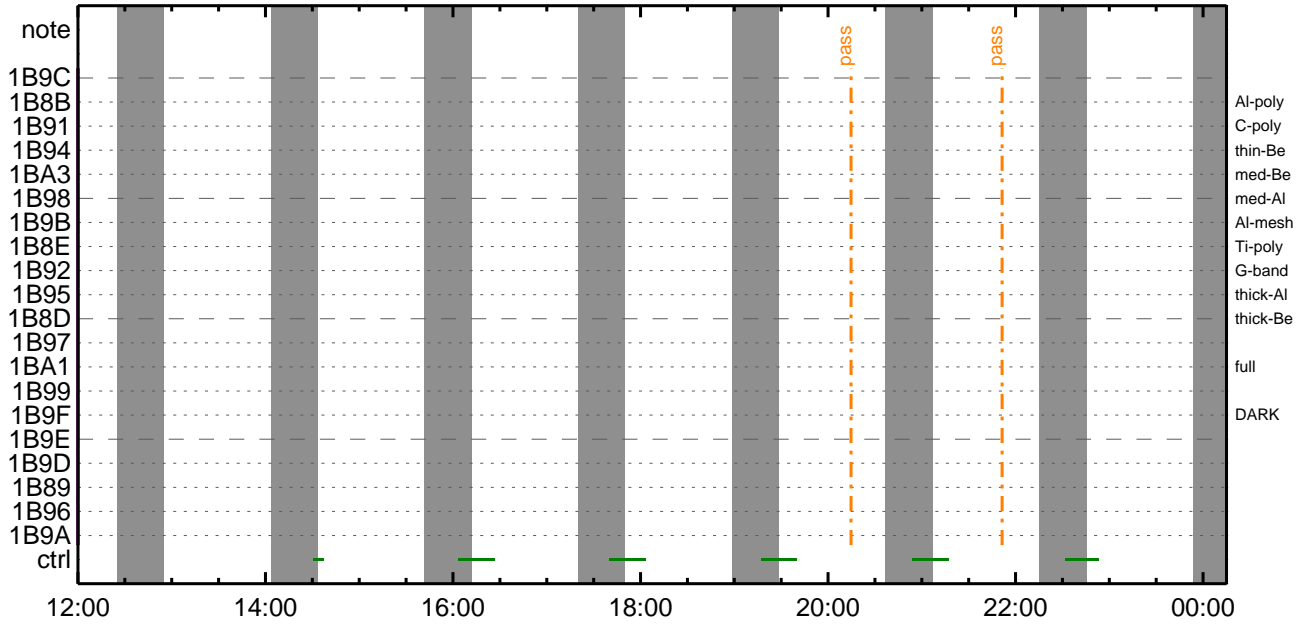
CMDI #0812 2017/06/20



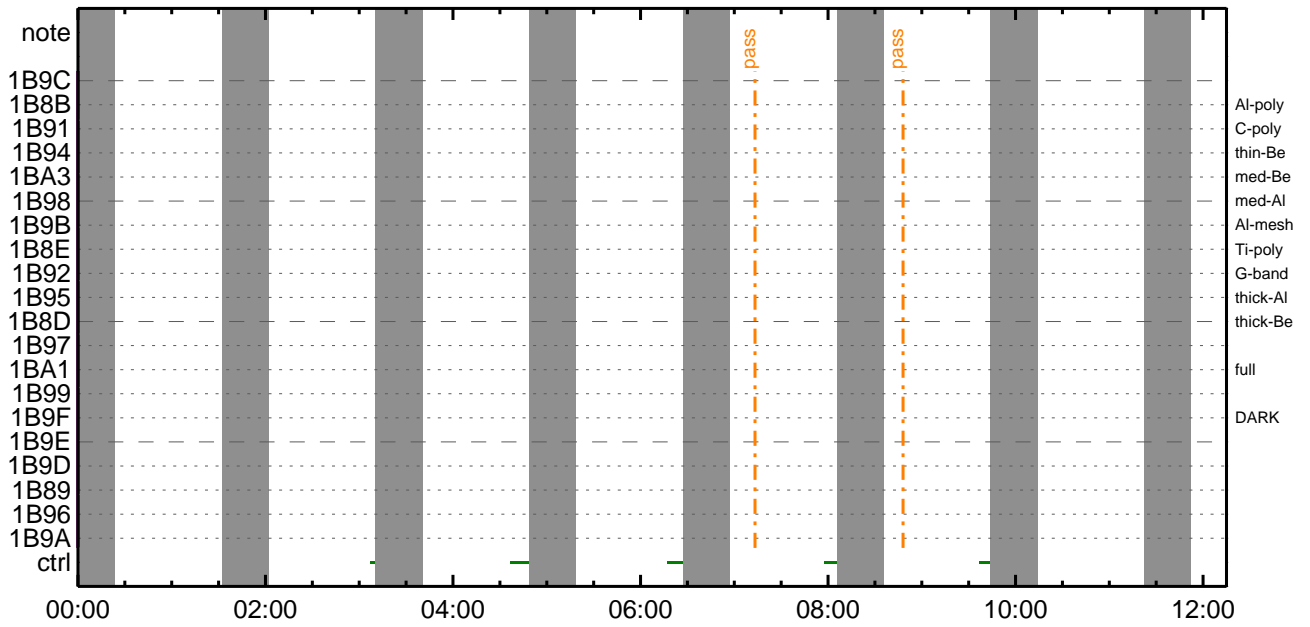
CMDI #0812 2017/06/21



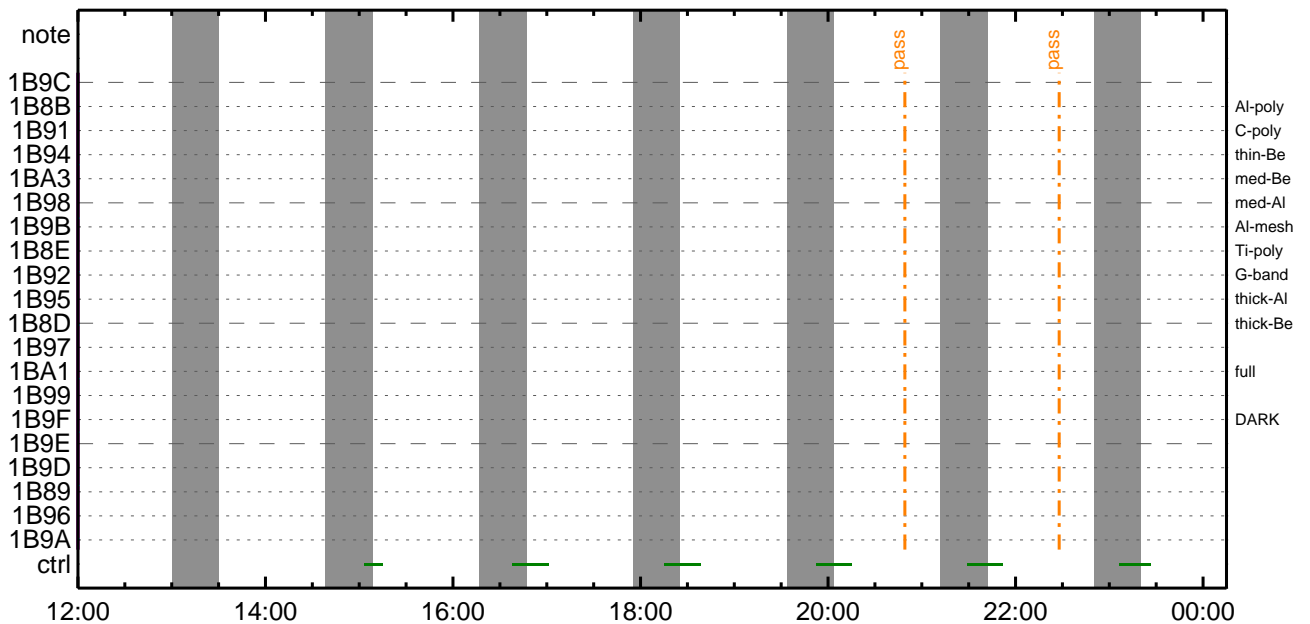
CMDI #0812 2017/06/21



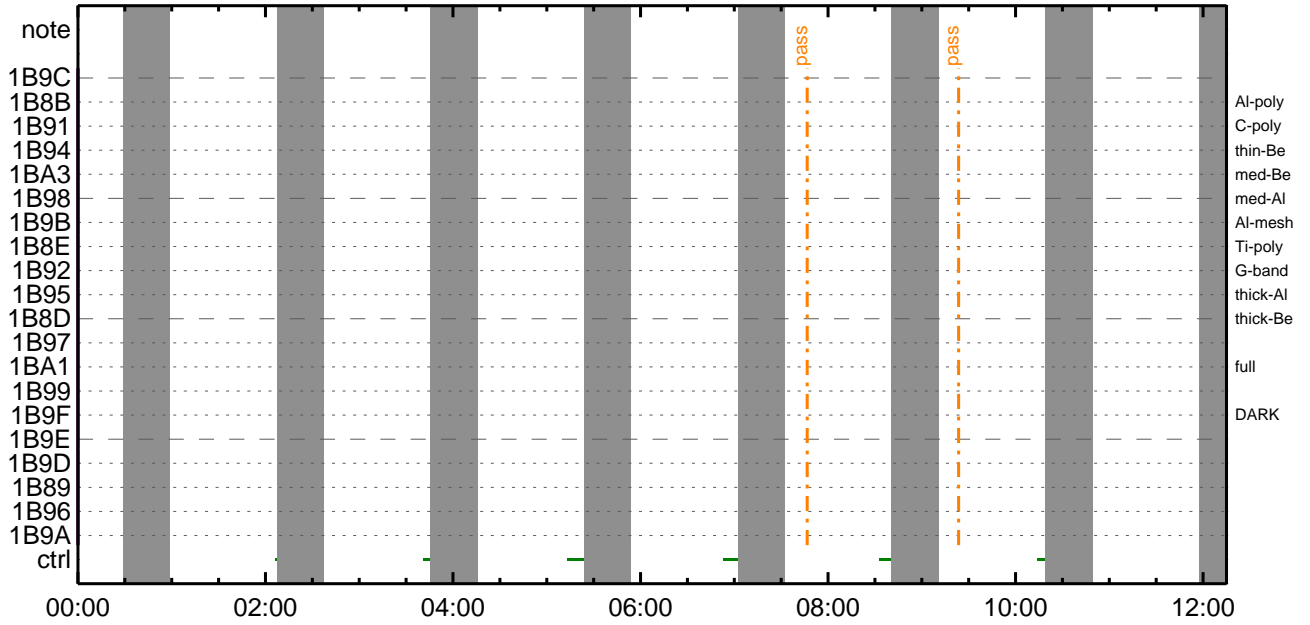
CMDI #0812 2017/06/22



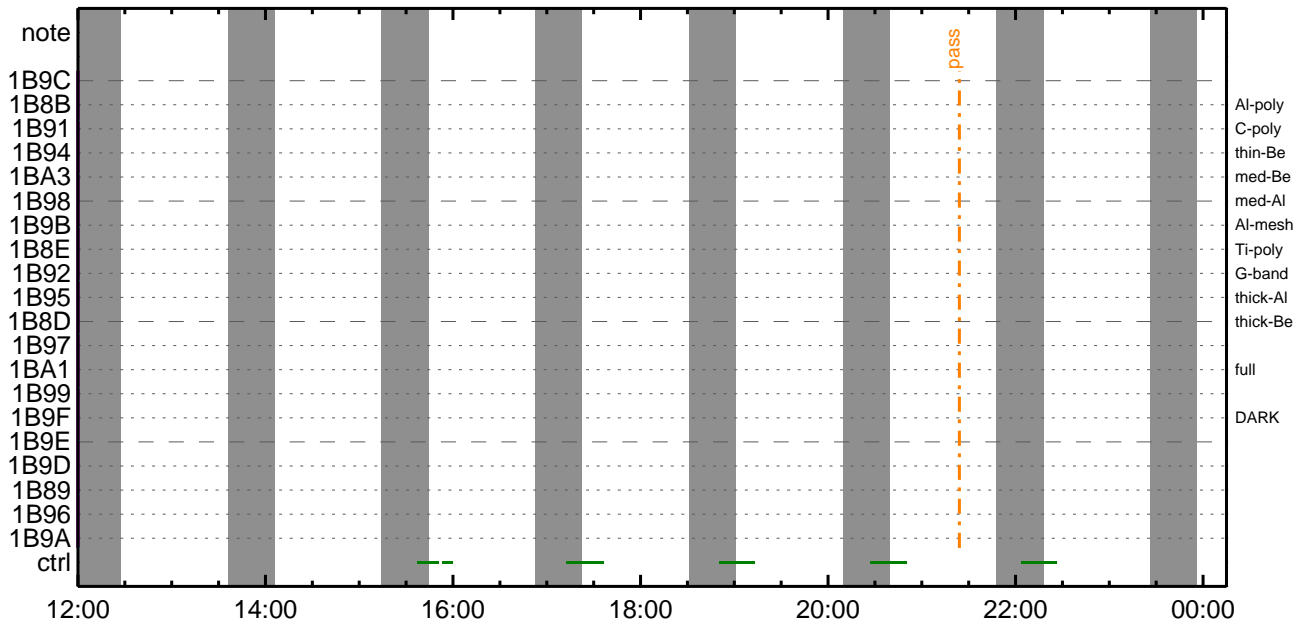
CMDI #0812 2017/06/22



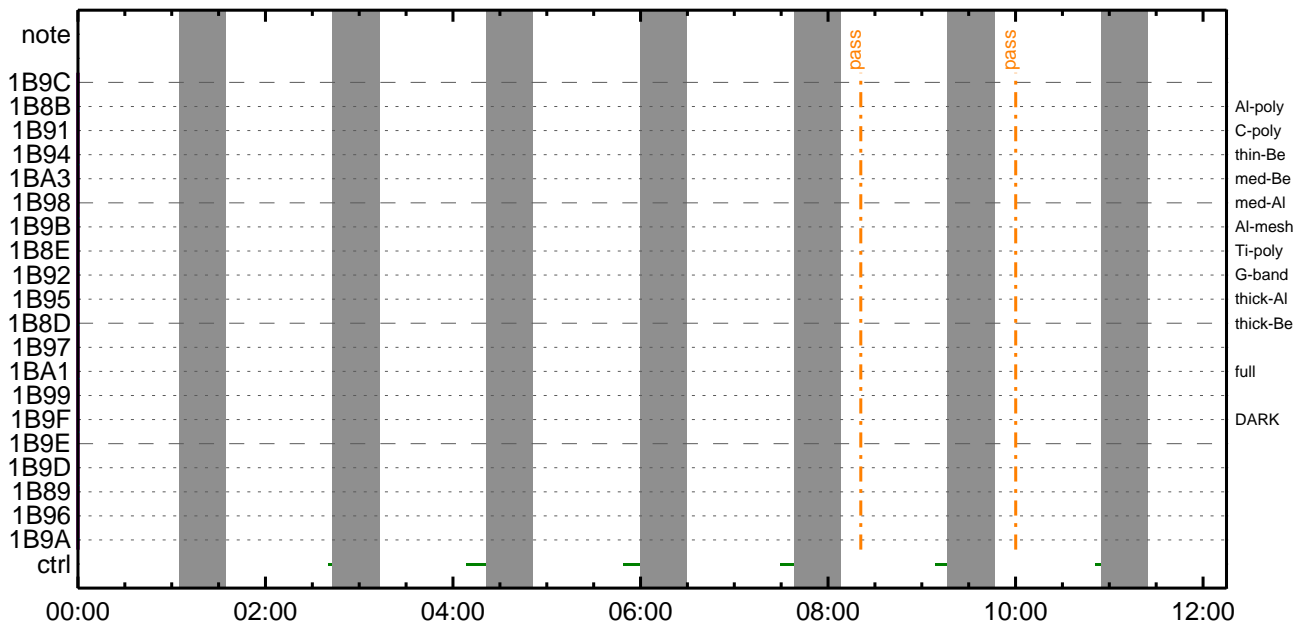
CMDI #0812 2017/06/23



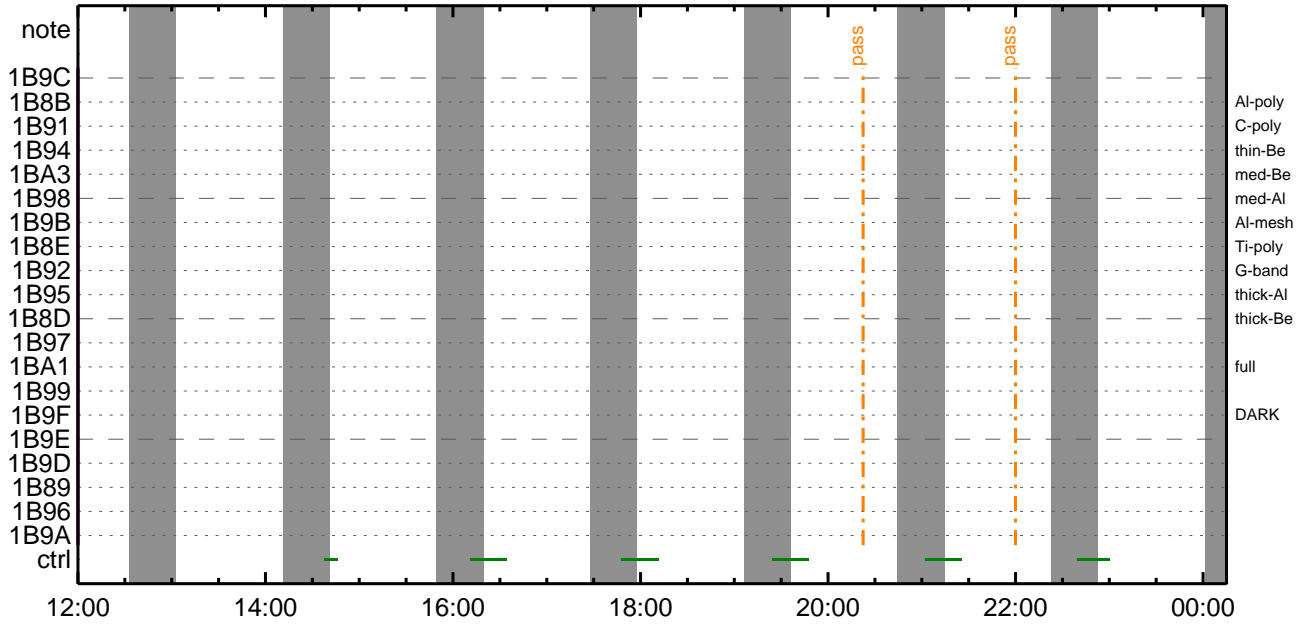
CMDI #0812 2017/06/23



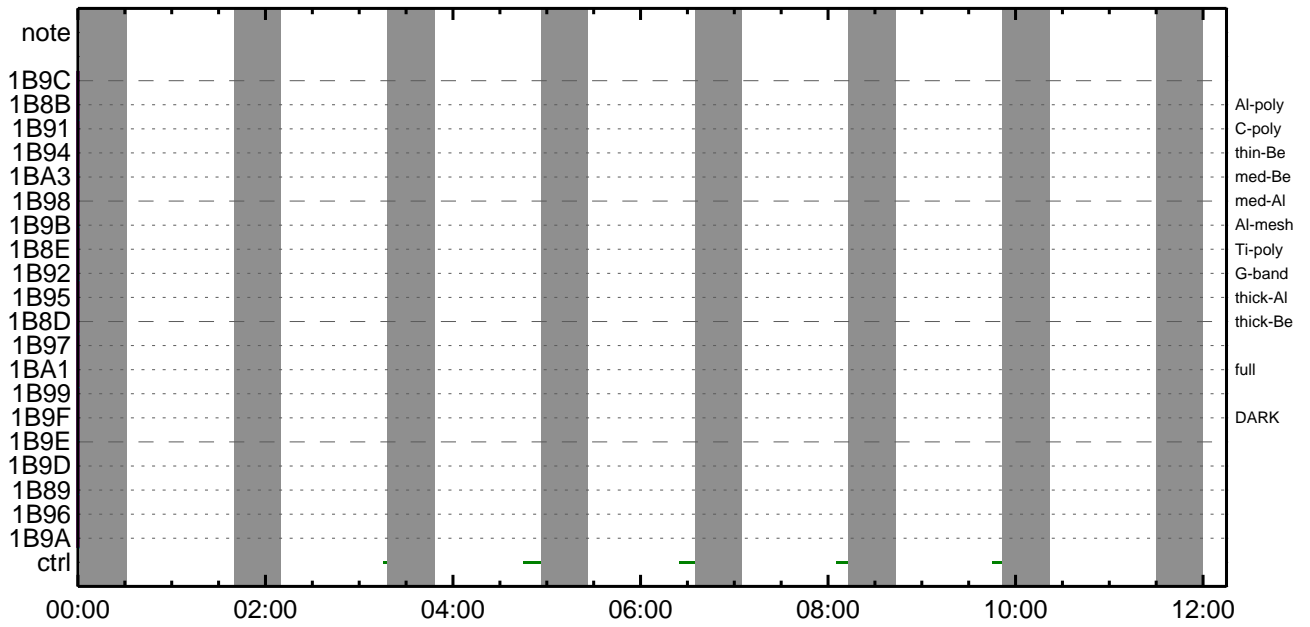
CMDI #0812 2017/06/24



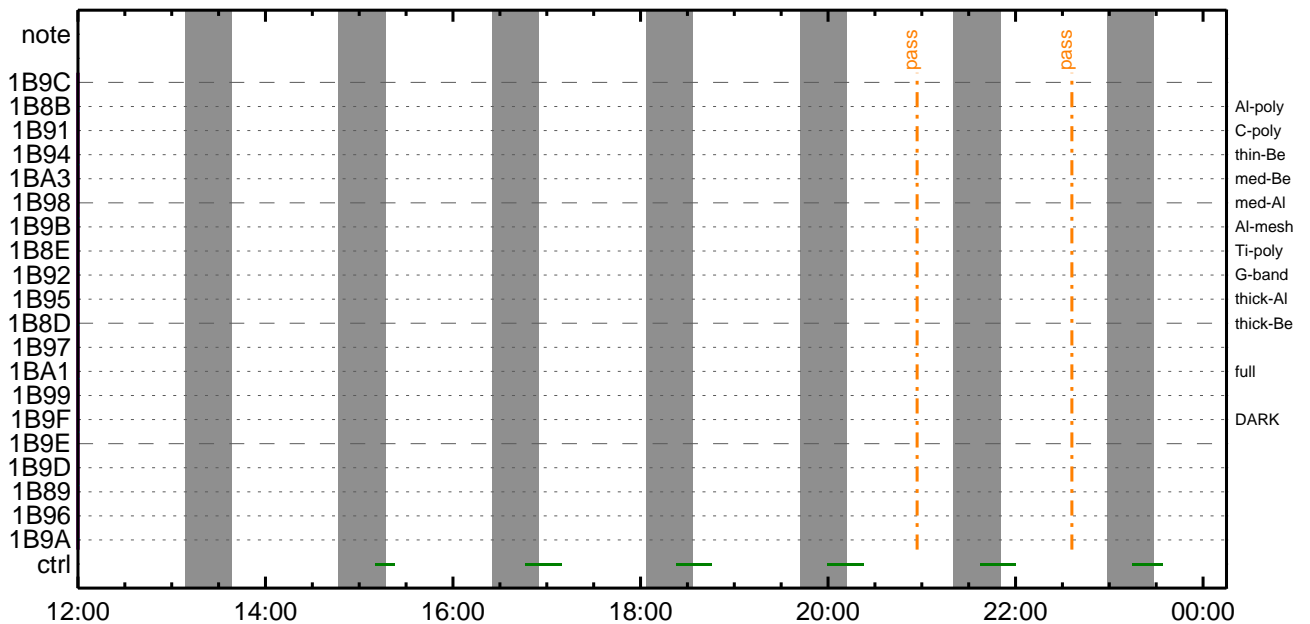
CMDI #0812 2017/06/24



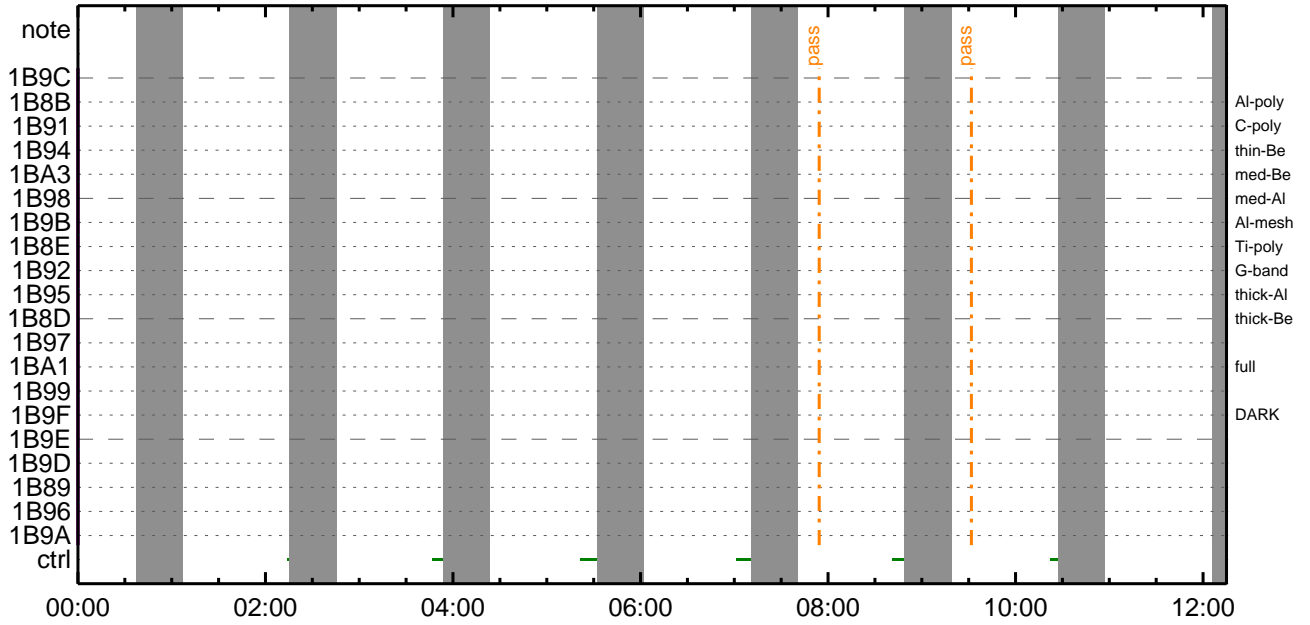
CMDI #0812 2017/06/25



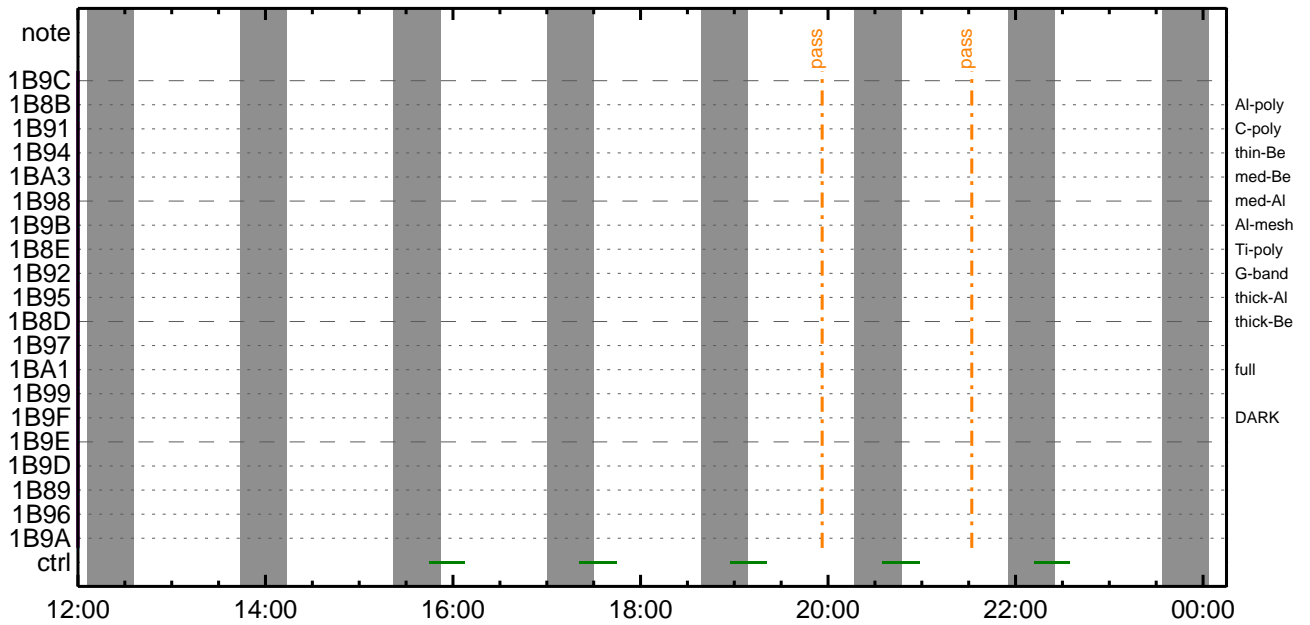
CMDI #0812 2017/06/25



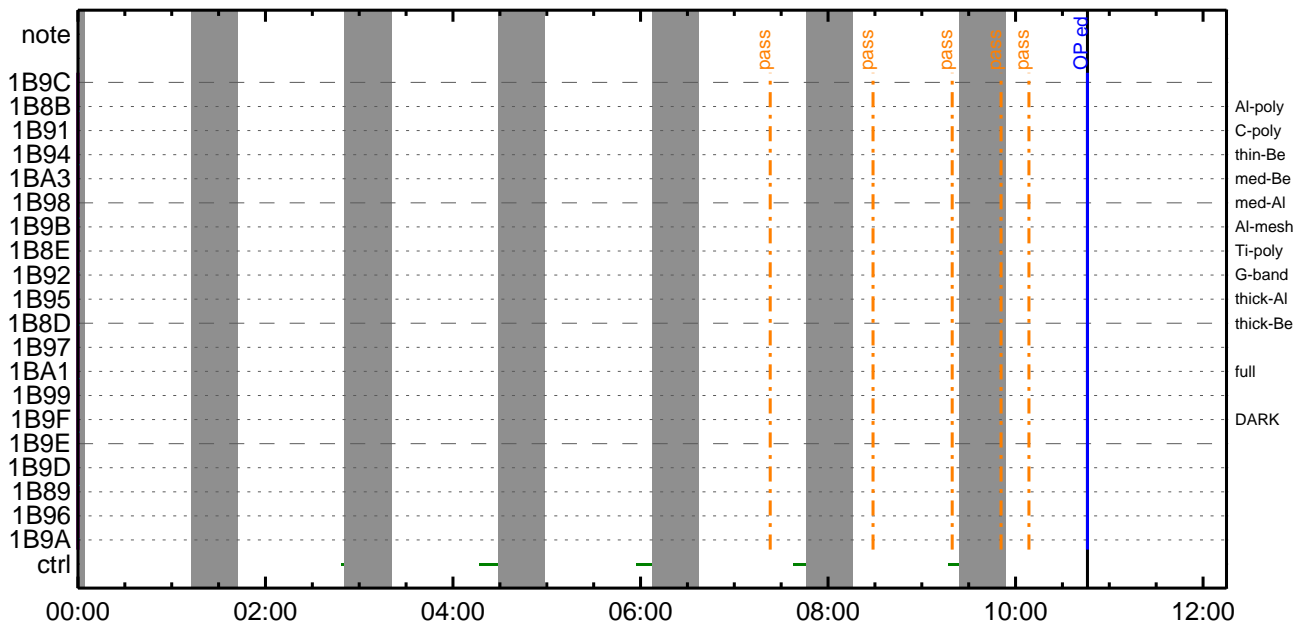
CMDI #0812 2017/06/26



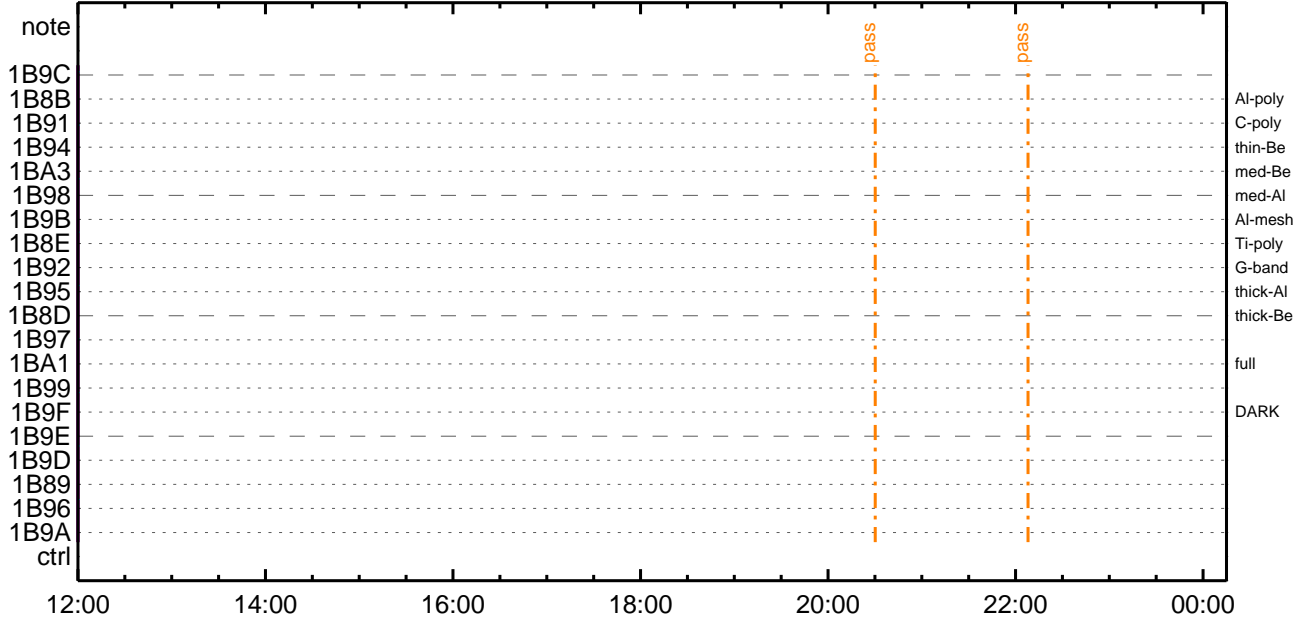
CMDI #0812 2017/06/26



CMDI #0812 2017/06/27



CMDI #0812 2017/06/27




```

0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;Y4E;YA6Yx
0100 C. *****
0101 C.
0102 C. iãOP/OGY1;Y4E;ä
0103 . S. OP      op-673:OP
0104 C. ( )
0105 . S. OG      og-673:OG
0106 C. ( )
0107 C.
0108 C. iãNMOG&OPîî°ëYAY6Yx;ä
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC      (20 00 7f 01 02)
0112 C.                ðç[HK1_DMP_TOP_ADRS_1]           EQ      40
0113 C.                ðç[HK1_DMP_TOP_ADRS_0]           EQ        0
0114 C.                ðç[HK1_DMP_BLOCK_NUM]            EQ     127
0115 C.                ðç[HK1_DMP_REPEAT_NUM]          EQ        0
0116 C.                ðç[HK1_DMA_DMP_PIM]             EQ     DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC      (07 0b f8)
0119 C.                ðç[HK1_PKT_FORM_NO]             EQ        7
0120 C.                ðç[HK1_PKT_GEN_TIME]            EQ     0.25 s
0121 C.                ðç[HK1_S_TLM_BIT_RATE]          EQ     32k
0122 C.                ðç[HK1_X_TLM_BIT_RATE]          EQ     4M
0123 C.                ðç[HK1_DMP_CHK_FLG]            EQ     EXEC
0124 . C.  YA6YxY/2^a î»oð³ îÇ§
0125 C.                ðç[HK1_DMP_CHK_FLG]             EQ     NON
0126 . C. RAM ID=NMOG²îî¾¹ç•ë² îOK²³ îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC      (20 80 7f 01 02)
0131 C.                ðç[HK1_DMP_TOP_ADRS_1]           EQ     41
0132 C.                ðç[HK1_DMP_TOP_ADRS_0]           EQ        0
0133 C.                ðç[HK1_DMP_BLOCK_NUM]            EQ     127
0134 C.                ðç[HK1_DMP_REPEAT_NUM]          EQ        0
0135 C.                ðç[HK1_DMA_DMP_PIM]             EQ     DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC      (07 0b f8)
0138 C.                ðç[HK1_PKT_FORM_NO]             EQ        7
0139 C.                ðç[HK1_PKT_GEN_TIME]            EQ     0.25 s
0140 C.                ðç[HK1_S_TLM_BIT_RATE]          EQ     32k
0141 C.                ðç[HK1_X_TLM_BIT_RATE]          EQ     4M
0142 C.                ðç[HK1_DMP_CHK_FLG]            EQ     EXEC
0143 . C.  YA6YxY/2^a î»oð³ îÇ§
0144 C.                ðç[HK1_DMP_CHK_FLG]             EQ     NON
0145 . C. RAM ID=NMOG²îî¾¹ç•ë² îOK²³ îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC      (21 00 41 01 02)
0150 C.                ðç[HK1_DMP_TOP_ADRS_1]           EQ     42
0151 C.                ðç[HK1_DMP_TOP_ADRS_0]           EQ        0
0152 C.                ðç[HK1_DMP_BLOCK_NUM]            EQ     65
0153 C.                ðç[HK1_DMP_REPEAT_NUM]          EQ        0
0154 C.                ðç[HK1_DMA_DMP_PIM]             EQ     DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC      (07 0b f8)
0157 C.                ðç[HK1_PKT_FORM_NO]             EQ        7
0158 C.                ðç[HK1_PKT_GEN_TIME]            EQ     0.25 s
0159 C.                ðç[HK1_S_TLM_BIT_RATE]          EQ     32k
0160 C.                ðç[HK1_X_TLM_BIT_RATE]          EQ     4M
0161 C.                ðç[HK1_DMP_CHK_FLG]            EQ     EXEC
0162 . C.  YA6YxY/2^a î»oð³ îÇ§
0163 C.                ðç[HK1_DMP_CHK_FLG]             EQ     NON
0164 . C. RAM ID=NMOG, RAM ID=OP²îî¾¹ç•ë² îOK²³ îÇ§
0165 C.
0166 . C. ***** ²ê²¼² î¾¹ ç ¶ Å ° È È - ² ° Ä ÷ ç © (¼âµ-YA6YxY/2^a î»oð³ îÇ§ ² ð Å Ö æ ç¼² ° ² ð è¼¹ î ç ç ç â) *****
0167 C. DHUYâ;¼YË;È¼Y½;Yî;¼YË;È²ðîä¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC      (02 0a f8)
0170 C.                ðç[HK1_PKT_FORM_NO]             EQ        2
0171 C.                ðç[HK1_PKT_GEN_TIME]            EQ     0.5S
0172 C.                ðç[HK1_S_TLM_BIT_RATE]          EQ     32K
0173 C.                ðç[HK1_X_TLM_BIT_RATE]          EQ     4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 . C. NOTICE | § OPOG UPLOAD²-Ä÷ ç ®NG²î¾¹ ç; ç°ê²¼² î TI-CMDÄ÷ ç®²¼¹ Ô² ° ² È²²² ç² È; §
0180 C.                ²²² ç; ç SET² ÈDUMP² îÆ²± îYÑY¹ ç¹ Ô² | ²³ ç È; §
0181 C.
0182 . C. TIY³Y²Y6YË²²ðÄD î ç (UT)
0183 +. TI 2017-06-17 10:16:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C.                ðç[HK1_TI_CMD_NUM]             EQ     1COUNTUP
0186 C.
0187 +. TI 2017-06-17 10:16:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C.                ðç[HK1_TI_CMD_NUM]             EQ     1COUNTUP
0190 C.
0191 +. TI 2017-06-17 10:16:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C.                ðç[HK1_TI_CMD_NUM]             EQ     1COUNTUP

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```

0194 C.
0195 +. TI 2017-06-17 10:20:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          ¢¢[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼αİÄē%İİñαİŷÄŷ§ŷÄŷ⁻¹âİŰ
0200 C.          ¢¢[HK1_TI_CMD_ENA/DIS]      EQ      ENA
0201 C.          ¢¢[HK1_TI_CMD_NUM]          EQ      4
0202 C.          ¢¢[HK1_NEXT_EXEC_PIM]       EQ      DHU
0203 C.          ¢¢[HK1_NEXT_EXEC_DC]       EQ      0xB3
0204 C.
0205 C. *****
0206 C. TIİİ°èŷÄŷÖŷ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC      (03 ab 03 01 02)
0212 C.          ¢¢[HK1_DMP_TOP_ADRS_1]     EQ      07
0213 C.          ¢¢[HK1_DMP_TOP_ADRS_0]     EQ      2B
0214 C.          ¢¢[HK1_DMP_BLOCK_NUM]       EQ      3
0215 C.          ¢¢[HK1_DMP_REPEAT_NUM]     EQ      0
0216 C.          ¢¢[HK1_DMA_DMP_PIM]        EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.          ¢¢[HK1_PKT_FORM_NO]        EQ      7
0220 C.          ¢¢[HK1_PKT_GEN_TIME]        EQ      0.25 s
0221 C.          ¢¢[HK1_S_TLM_BIT_RATE]     EQ      32k
0222 C.          ¢¢[HK1_X_TLM_BIT_RATE]     EQ      4M
0223 C.          ¢¢[HK1_DMP_CHK_FLG]        EQ      EXEC
0224 C.
0225 C. ŷÄŷÖŷ×½ªİ»αò³İÇ§
0226 C.          ¢¢[HK1_DMP_CHK_FLG]        EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLαİŷÈ¹ç•è²İOKαò³İÇ§
0229 C.
0230 C. DHUŷâ;¼ŷÈ;Èŷ¼, ŷİ;¼ŷÈ;Èαòİāα¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          ¢¢[HK1_PKT_FORM_NO]        EQ      2
0234 C.          ¢¢[HK1_PKT_GEN_TIME]        EQ      0.5S
0235 C.          ¢¢[HK1_S_TLM_BIT_RATE]     EQ      32K
0236 C.          ¢¢[HK1_X_TLM_BIT_RATE]     EQ      4M
0237 C.
0238 C. Stop EIS observation and temporarily disable EIS mode changes
0239 C.
0240 C.
0241 C. ***** Start EIS operation (TI set) *****
0242 C. Execute, after the success of OP upload.
0243 C. Set EIS TI-commands
0244 +. TI 2017-06-17 10:20:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC      (21 02)
0247 +. TI 2017-06-17 10:20:40.0
0248 DC 07-FC EIS_MODE_CHG_DIS
0249 BC      (22)
0250 C.          [ ] [HK1_TI_CMD_NUM]       EQ      2 COUNTUP
0251 C. ***** End EIS operation (TI set) *****
0252 C.
0253 C.
0254 C.
0255 C. ***** XRT START *****
0256 C. Execute, after the success of OP upload.
0257 +. TI 2017-06-17 10:20:00.0
0258 DC 07-F0 MDP_XRT_MODE_STBY
0259 BC      (c3)
0260 C.          [ ] [HK1_TI_CMD_NUM]       EQ      1COUNTUP
0261 C.
0262 C. ***** XRT END *****
0263 C.
0264 C. ***** MDP `ŰÄİŰİ»ò¼ŷŰÈÄĐα¹αèDCBC•x²è *****
0265 C. (¼ª°İŷÖŷÄŷÈŷŰŷÈŷâŷçŷèαÈ¼αα¼Ä»Űα¹αè)
0266 S. DC-BC dcbc-402:DCBC
0267 (MDP_known_event)
0268 C.
0269 C.
0270 C. ***** ŷĐŷ¹.İ Daily±;İñαÈ´Øα¹αèDCBC•x²è *****
0271 S. DC-BC dcbc-153:DCBC
0272 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0273 C.
0274 C.
0275 C. İāLOSŷÄŷŷÄŷ⁻¼Ä»Ű;ä
0276 C.
0277 C. ***** LOS *****
0278 C.

```


(a) Spacecraft Operation Procedure (real-commands)

```
main-675 2017-06-17 12:14:54 104 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;È□¿□Á□•µ°•È×ÁÇ□íYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;È□È¼°ÇÖ□•□¿¼í¹ç□í;çÀ®, ù□¹□è□□□çÁ+¿®□•□È□□□³□È;f
0011 +. DC 02-8E AOCS_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 +. DC 07-F0 MDP_XRT_CTRL_MANU
0020 BC (c1)
0021 +. DC 07-F0 MDP_XRT_MODE_STBY
0022 BC (c3)
0023 . C. ----- Success Verify ? OK / NG____
0024 C.
0025 C. XRT Obs. Table Upload
0026 . S. RAM ram-291:MDP_OBS_X
0027 ( )
0028 C.
0029 +. DC 07-F0 MDP_DUMP_XRTTBL
0030 BC (84 07 00 00 00 3a d4)
0031 . C. ----- Comparison Check ? OK / ERR ____
0032 C.
0033 C.
0034 +. DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 01 b1 b1 04 04)
0036 +. DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 02 b1 b1 08 08)
0038 +. DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 03 b1 b1 08 08)
0040 +. DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 04 b1 b1 06 06)
0042 +. DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 05 85 83 06 06)
0044 +. DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 06 80 80 08 08)
0046 +. DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 07 80 80 20 20)
0048 +. DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 08 85 83 06 06)
0050 +. DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 09 85 83 08 08)
0052 +. DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0a 80 80 20 08)
0054 +. DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0b 80 80 08 20)
0056 +. DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 0c 80 96 06 06)
0058 +. DC 07-F0 MDP_XRT_ROI_SET
0059 BC (cd 0f 80 80 06 06)
0060 +. DC 07-F0 MDP_XRT_ROI_SET
0061 BC (cd 10 80 80 08 08)
0062 +. DC 07-F0 MDP_XRT_FLD_ENA
0063 BC (d8)
0064 +. DC 07-F0 MDP_XRT_FLRCTRL_ENA
0065 BC (c8)
0066 +. DC 07-F0 MDP_XRT_ARS_DIS
0067 BC (d5)
0068 +. DC 07-F0 MDP_XRT_AEC_RESET
0069 BC (d0)
0070 +. DC 07-F0 MDP_XRT_FLD_RESET
0071 BC (da)
0072 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0073 BC (c4 02)
0074 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0075 BC (c5 0d)
0076 . C. ----- Success Verify ? OK / NG ____
0077 C.
0078 C.
0079 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0080 C.
0081 +. DC 07-F0 MDP_XRT_MODE_OBSV
0082 BC (c2)
0083 +. TI 2017-06-17 10:20:02.0
0084 DC 07-F0 MDP_XRT_MODE_OBSV
0085 BC (c2)
0086 . C. ----- Success Verify ? OK / NG ____
0087 C.
0088 C. ***** XRT END *****
0089 C.
0090 . C. ***** MDP `úÁí□í»ö¼Y□ÈÁ□¹□èDCBC•x²è *****
0091 C. (¼á°íYÖYÁYÈY¥YçYèE¼□□¼Á»Û¹□é)
0092 . S. DC-BC dcbc-402:DCBC
0093 (MDP_known_event)
0094 C.
0095 C.
```

```
0096 . C. ***** ¥D¥!•İ Daily±;İÑòĚ'Ø¹òĚDCBC•x²è *****
0097 . S. DC-BC dcbc-153:DCBC
0098 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0099 C.
0100 C.
0101 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ä
0102 C.
0103 . C. ***** LOS *****
0104 C.
```

*** OP Sequence for XRT ***

| | | | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|
| 2017/06/17 | 10:30:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/17 | 10:30:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/17 | 10:30:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | |
| 2017/06/17 | 10:31:00.0 | AOCS_Ore-point_Start_1_OG [0x097] | | | | | |
| | | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 | | |
| 2017/06/17 | 10:31:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | |
| 2017/06/17 | 10:31:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | |
| 2017/06/17 | 10:31:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| 2017/06/17 | 10:31:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2017/06/17 | 10:31:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2017/06/17 | 10:33:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2017/06/17 | 10:33:56.0 | XRT_QT_PROG_SET_427_OG [0x1ab] | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 11 | | |
| 2017/06/17 | 10:33:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | |
| 2017/06/17 | 10:34:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2017/06/17 | 11:41:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/17 | 11:41:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/17 | 11:41:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2017/06/17 | 11:41:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2017/06/17 | 11:44:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2017/06/17 | 12:11:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2017/06/17 | 12:12:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2017/06/17 | 13:20:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/17 | 13:20:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/17 | 13:20:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2017/06/17 | 13:20:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2017/06/17 | 13:23:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2017/06/17 | 13:24:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/17 | 13:24:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/17 | 13:24:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | |
| 2017/06/17 | 13:25:00.0 | AOCS_Ore-point_Start_2_OG [0x098] | | | | | |
| | | AOCU_NM | 5 | 02-76 | 04 00 00 00 00 | | |
| 2017/06/17 | 13:25:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | |
| 2017/06/17 | 13:25:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | |
| 2017/06/17 | 13:25:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| 2017/06/17 | 13:25:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2017/06/17 | 13:25:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2017/06/17 | 13:27:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | | |
| 2017/06/17 | 13:27:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | |
| 2017/06/17 | 13:50:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2017/06/17 | 13:51:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2017/06/17 | 14:58:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/17 | 14:58:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/17 | 14:58:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2017/06/17 | 14:58:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2017/06/17 | 15:01:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2017/06/17 | 15:24:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/17 | 15:24:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/17 | 15:24:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | |
| 2017/06/17 | 15:25:00.0 | AOCS_ORe-point_Start_1_OG [0x097] | | | | | |
| | | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 | | |

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| | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|
| 2017/06/17 | 15:25:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2017/06/17 | 15:25:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2017/06/17 | 15:25:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2017/06/17 | 15:25:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2017/06/17 | 15:25:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2017/06/17 | 15:27:56.0 | XRT_QT_PROG_SET_427_OG [0x1ab] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 11 |
| 2017/06/17 | 15:27:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d |
| 2017/06/17 | 15:34:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2017/06/17 | 15:35:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2017/06/17 | 15:42:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/17 | 15:42:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/17 | 15:42:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2017/06/17 | 15:42:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2017/06/17 | 15:44:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2017/06/17 | 15:45:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2017/06/17 | 15:45:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2017/06/17 | 16:36:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/17 | 16:36:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/17 | 16:36:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2017/06/17 | 16:36:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2017/06/17 | 16:39:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2017/06/17 | 17:20:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2017/06/17 | 17:21:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2017/06/17 | 17:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/17 | 17:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/17 | 17:59:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2017/06/17 | 18:00:00.0 | AOCS_OrE-point_Start_3_OG [0x099] | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 |
| 2017/06/17 | 18:00:18.0 | XRT_FLD_DIS_425_OG [0x1a9] | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2017/06/17 | 18:02:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2017/06/17 | 18:02:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2017/06/17 | 18:02:58.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 |
| 2017/06/17 | 18:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2017/06/17 | 18:09:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/17 | 18:09:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/17 | 18:09:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2017/06/17 | 18:10:00.0 | AOCS_OrE-point_Start_4_OG [0x09a] | | | |
| | | AOCU_NM | 5 | 02-76 | 02 00 00 00 00 |
| 2017/06/17 | 18:10:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2017/06/17 | 18:10:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2017/06/17 | 18:10:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2017/06/17 | 18:10:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2017/06/17 | 18:10:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2017/06/17 | 18:12:56.0 | XRT_QT_PROG_SET_427_OG [0x1ab] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 11 |
| 2017/06/17 | 18:12:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d |
| 2017/06/17 | 18:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2017/06/17 | 18:15:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/17 | 18:15:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/17 | 18:15:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2017/06/17 | 18:15:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |

| | | | | | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2017/06/17 | 18:18:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2017/06/17 | 18:57:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/17 | 18:58:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2017/06/17 | 19:53:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/17 | 19:53:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/17 | 19:53:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2017/06/17 | 19:53:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2017/06/17 | 19:56:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2017/06/17 | 20:34:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/17 | 20:35:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2017/06/17 | 21:31:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/17 | 21:31:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/17 | 21:31:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2017/06/17 | 21:31:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2017/06/17 | 21:34:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2017/06/17 | 22:11:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/17 | 22:12:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2017/06/17 | 23:10:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/17 | 23:10:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/17 | 23:10:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2017/06/17 | 23:10:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2017/06/17 | 23:13:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2017/06/17 | 23:36:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/17 | 23:36:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/17 | 23:36:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2017/06/17 | 23:37:00.0 | AOCS_Ore-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 | | | | |
| 2017/06/17 | 23:37:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2017/06/17 | 23:37:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2017/06/17 | 23:37:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2017/06/17 | 23:37:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2017/06/17 | 23:37:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2017/06/17 | 23:39:56.0 | XRT_QT_PROG_SET_427_OG [0x1ab] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 11 | | | | |
| 2017/06/17 | 23:39:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | | | |
| 2017/06/17 | 23:42:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/17 | 23:43:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2017/06/18 | 00:48:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/18 | 00:48:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/18 | 00:48:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2017/06/18 | 00:48:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2017/06/18 | 00:51:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2017/06/18 | 00:51:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/18 | 00:51:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/18 | 00:51:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2017/06/18 | 00:52:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 04 00 00 00 00 | | | | |
| 2017/06/18 | 00:52:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2017/06/18 | 00:52:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2017/06/18 | 00:52:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2017/06/18 | 00:52:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2017/06/18 | 00:52:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | | | | | | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|-------------|-------|
| 2017/06/18 | 00:54:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/18 | 00:54:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 10 |
| 2017/06/18 | 01:18:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d |
| 2017/06/18 | 01:19:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/18 | 02:25:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 02:25:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 02:25:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/18 | 02:25:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2017/06/18 | 02:28:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2017/06/18 | 02:57:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/18 | 02:58:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 03:54:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 03:54:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 03:54:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/18 | 03:54:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2017/06/18 | 03:57:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2017/06/18 | 04:31:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 04:31:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 04:31:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa | 00 |
| 2017/06/18 | 04:32:00.0 | AOCS_ORe-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 01 00 00 00 | 00 00 |
| 2017/06/18 | 04:32:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2017/06/18 | 04:32:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2017/06/18 | 04:32:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2017/06/18 | 04:32:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2017/06/18 | 04:32:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/18 | 04:34:56.0 | XRT_QT_PROG_SET_437_OG [0x1b5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 02 |
| 2017/06/18 | 04:34:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d |
| 2017/06/18 | 04:35:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/18 | 04:36:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 05:32:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 05:32:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 05:32:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/18 | 05:32:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2017/06/18 | 05:35:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2017/06/18 | 06:13:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/18 | 06:14:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 06:19:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 06:19:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 06:19:28.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa | 00 |
| 2017/06/18 | 06:19:30.0 | AOCS_ORe-point_Start_3_OG [0x099] | AOCU_NM | 5 | 02-76 | 00 00 00 00 | 00 00 |
| 2017/06/18 | 06:19:48.0 | XRT_FLD_DIS_425_OG [0x1a9] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2017/06/18 | 06:22:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2017/06/18 | 06:22:26.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2017/06/18 | 06:22:28.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 |
| 2017/06/18 | 06:22:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/18 | 06:29:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 06:29:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 06:29:28.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 | 00 |

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|------------|------------|---|---|-------|----|----|----|----|----|
| 2017/06/18 | 06:29:30.0 | AOCS_OrE-point_Start_2_OG [0x098] AOCU_NM | 5 | 02-76 | 04 | 00 | 00 | 00 | 00 |
| 2017/06/18 | 06:29:48.0 | XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA | 1 | 07-F0 | | d8 | | | |
| 2017/06/18 | 06:29:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | | c8 | | | |
| 2017/06/18 | 06:29:52.0 | XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET | 1 | 07-F0 | | d0 | | | |
| 2017/06/18 | 06:29:54.0 | XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS | 1 | 07-F0 | | d5 | | | |
| 2017/06/18 | 06:29:56.0 | XRT_FLD_RESET_433_OG [0x1b1] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2017/06/18 | 06:32:26.0 | XRT_QT_PROG_SET_421_OG [0x1a5] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | | c4 | 10 | | |
| 2017/06/18 | 06:32:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET | 2 | 07-F0 | | c5 | 0d | | |
| 2017/06/18 | 06:32:30.0 | XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2017/06/18 | 07:13:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2017/06/18 | 07:13:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2017/06/18 | 07:13:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2017/06/18 | 07:13:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | | |
| 2017/06/18 | 07:16:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | | |
| 2017/06/18 | 07:52:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/18 | 07:53:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2017/06/18 | 08:52:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2017/06/18 | 08:52:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2017/06/18 | 08:52:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2017/06/18 | 08:52:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | | |
| 2017/06/18 | 08:55:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | | |
| 2017/06/18 | 09:30:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/18 | 09:31:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2017/06/18 | 10:34:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2017/06/18 | 10:34:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2017/06/18 | 10:34:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2017/06/18 | 10:34:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | | |
| 2017/06/18 | 10:37:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | | |
| 2017/06/18 | 11:09:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/18 | 11:10:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2017/06/18 | 12:17:00.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2017/06/18 | 12:17:02.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2017/06/18 | 12:17:04.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2017/06/18 | 12:17:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | | |
| 2017/06/18 | 12:20:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | | |
| 2017/06/18 | 12:47:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/18 | 12:48:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2017/06/18 | 13:55:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2017/06/18 | 13:55:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2017/06/18 | 13:55:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2017/06/18 | 13:55:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | | |
| 2017/06/18 | 13:58:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | | |
| 2017/06/18 | 14:28:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/18 | 14:29:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2017/06/18 | 15:33:30.0 | XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2017/06/18 | 15:33:32.0 | XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2017/06/18 | 15:33:34.0 | XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | | |
| 2017/06/18 | 15:33:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | | |
| 2017/06/18 | 15:36:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | | |

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|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2017/06/18 | 16:19:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/18 | 16:20:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2017/06/18 | 16:49:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/18 | 16:49:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/18 | 16:49:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2017/06/18 | 16:50:00.0 | AOCS_Ore-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2017/06/18 | 16:50:18.0 | XRT_FLD_DIS_425_OG [0x1a9] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2017/06/18 | 16:52:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2017/06/18 | 16:52:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2017/06/18 | 16:52:58.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 | | | | |
| 2017/06/18 | 16:53:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2017/06/18 | 17:09:00.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/18 | 17:09:02.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2017/06/18 | 17:09:22.0 | XRT_FLD_DIS_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2017/06/18 | 17:11:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2017/06/18 | 17:11:26.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2017/06/18 | 17:11:28.0 | XRT_QT_PROG_SET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 05 | | | | |
| 2017/06/18 | 17:11:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2017/06/18 | 17:26:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/18 | 17:26:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/18 | 17:26:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2017/06/18 | 17:27:00.0 | AOCS_Ore-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 04 00 00 00 00 | | | | |
| 2017/06/18 | 17:27:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2017/06/18 | 17:27:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2017/06/18 | 17:27:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2017/06/18 | 17:27:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2017/06/18 | 17:27:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2017/06/18 | 17:29:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | | | | |
| 2017/06/18 | 17:29:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | | | |
| 2017/06/18 | 17:55:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/18 | 17:56:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2017/06/18 | 18:06:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/18 | 18:06:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/18 | 18:06:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2017/06/18 | 18:07:00.0 | AOCS_Ore-point_Start_4_OG [0x09a] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 02 00 00 00 00 | | | | |
| 2017/06/18 | 18:07:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2017/06/18 | 18:07:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2017/06/18 | 18:07:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2017/06/18 | 18:07:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2017/06/18 | 18:07:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2017/06/18 | 18:09:56.0 | XRT_QT_PROG_SET_437_OG [0x1b5] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 02 | | | | |
| 2017/06/18 | 18:09:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | | | |
| 2017/06/18 | 18:10:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2017/06/18 | 18:50:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/18 | 18:50:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2017/06/18 | 18:50:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2017/06/18 | 18:50:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2017/06/18 | 18:53:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|
| 2017/06/18 | 19:32:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2017/06/18 | 19:33:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2017/06/18 | 20:29:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/18 | 20:29:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 20:29:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 20:29:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/18 | 20:32:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2017/06/18 | 21:09:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2017/06/18 | 21:10:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2017/06/18 | 22:07:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/18 | 22:07:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 22:07:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 22:07:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/18 | 22:10:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2017/06/18 | 22:45:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2017/06/18 | 22:46:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2017/06/18 | 23:45:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/18 | 23:45:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 23:45:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/18 | 23:45:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/18 | 23:48:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2017/06/19 | 00:15:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2017/06/19 | 00:16:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2017/06/19 | 01:09:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/19 | 01:09:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 01:09:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 01:10:00.0 | AOCs_OrE-point_Start_2_OG [0x098] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | |
| 2017/06/19 | 01:10:18.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCU_NM | 5 | 02-76 | 04 00 00 00 00 | |
| 2017/06/19 | 01:10:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2017/06/19 | 01:10:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2017/06/19 | 01:10:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2017/06/19 | 01:10:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2017/06/19 | 01:12:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/19 | 01:12:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | |
| 2017/06/19 | 01:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | |
| 2017/06/19 | 01:24:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/19 | 01:24:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 01:24:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 01:24:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/19 | 01:27:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2017/06/19 | 01:54:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2017/06/19 | 01:55:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2017/06/19 | 02:59:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/19 | 02:59:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 02:59:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 02:59:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/19 | 03:02:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2017/06/19 | 03:32:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2017/06/19 | 03:33:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|
| 2017/06/19 | 04:28:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 04:28:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 04:28:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/19 | 04:28:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2017/06/19 | 04:31:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2017/06/19 | 05:11:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2017/06/19 | 05:12:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/19 | 05:41:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 05:41:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 05:41:28.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2017/06/19 | 05:41:30.0 | AOCS_OrE-point_Start_3_OG [0x099] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | |
| 2017/06/19 | 05:41:48.0 | XRT_FLD_DIS_425_OG [0x1a9] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2017/06/19 | 05:44:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2017/06/19 | 05:44:26.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2017/06/19 | 05:44:28.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 | |
| 2017/06/19 | 05:44:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/19 | 05:51:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 05:51:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 05:51:28.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | |
| 2017/06/19 | 05:51:30.0 | AOCS_OrE-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 04 00 00 00 00 | |
| 2017/06/19 | 05:51:48.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2017/06/19 | 05:51:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2017/06/19 | 05:51:52.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2017/06/19 | 05:51:54.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2017/06/19 | 05:51:56.0 | XRT_FLD_RESET_433_OG [0x1b1] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/19 | 05:54:26.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | |
| 2017/06/19 | 05:54:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | |
| 2017/06/19 | 05:54:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/19 | 06:09:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 06:09:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 06:09:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/19 | 06:09:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2017/06/19 | 06:12:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2017/06/19 | 06:49:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2017/06/19 | 06:50:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/19 | 07:49:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 07:49:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 07:49:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/19 | 07:49:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2017/06/19 | 07:52:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2017/06/19 | 08:27:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2017/06/19 | 08:28:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2017/06/19 | 09:28:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 09:28:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2017/06/19 | 09:28:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2017/06/19 | 09:28:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2017/06/19 | 09:31:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2017/06/19 | 10:06:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2017/06/19 | 10:07:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |

| | | | | | | | | |
|------------|------------|-----------------------------------|-----------------------------------|---|-------|-------------|---|----------------------|
| 2017/06/19 | 11:14:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2017/06/19 | 11:14:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/19 | 11:14:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/19 | 11:14:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2017/06/19 | 11:17:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2017/06/19 | 11:44:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2017/06/19 | 11:45:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2017/06/19 | 11:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2017/06/19 | 11:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/19 | 11:59:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/19 | 12:00:00.0 | AOCS_Ore-point_Start_4_OG [0x09a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | |
| 2017/06/19 | 12:00:18.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCS_Ore-point_Start_4_OG [0x09a] | | | | 5 | 02-76 02 00 00 00 00 |
| 2017/06/19 | 12:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | AOCU_NM | 1 | 07-F0 | d8 | | |
| 2017/06/19 | 12:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | |
| 2017/06/19 | 12:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | |
| 2017/06/19 | 12:00:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| 2017/06/19 | 12:02:56.0 | XRT_QT_PROG_SET_427_OG [0x1ab] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2017/06/19 | 12:02:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2017/06/19 | 12:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 11 | | |
| 2017/06/19 | 12:52:30.0 | XRT_CTRL_MANU_400_OG [0x190] | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | 2 | 07-F0 c5 0d |
| 2017/06/19 | 12:52:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2017/06/19 | 12:52:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/19 | 12:52:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/19 | 12:55:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | XRT_FLD_RESET_415_OG [0x19f] | 1 | 07-F0 | da | | |
| 2017/06/19 | 13:22:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2017/06/19 | 13:23:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2017/06/19 | 14:31:00.0 | XRT_CTRL_MANU_400_OG [0x190] | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2017/06/19 | 14:31:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2017/06/19 | 14:31:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/19 | 14:31:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/19 | 14:34:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | XRT_FLD_RESET_415_OG [0x19f] | 1 | 07-F0 | da | | |
| 2017/06/19 | 15:06:30.5 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2017/06/19 | 15:07:30.5 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2017/06/19 | 16:09:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2017/06/19 | 16:09:02.0 | XRT_CTRL_MANU_402_OG [0x192] | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2017/06/19 | 16:09:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2017/06/19 | 16:09:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/19 | 16:12:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/19 | 16:54:00.0 | XRT_Custom_430_OG [0x1ae] | XRT_FLD_RESET_415_OG [0x19f] | 1 | 07-F0 | da | | |
| 2017/06/19 | 16:55:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2017/06/19 | 17:24:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2017/06/19 | 17:24:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2017/06/19 | 17:24:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| 2017/06/19 | 17:25:00.0 | AOCS_Ore-point_Start_3_OG [0x099] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2017/06/19 | 17:25:18.0 | XRT_FLD_DIS_425_OG [0x1a9] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/19 | 17:27:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2017/06/19 | 17:27:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | |
| 2017/06/19 | 17:27:58.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | AOCS_Ore-point_Start_3_OG [0x099] | | | | 5 | 02-76 00 00 00 00 00 |
| 2017/06/19 | | | AOCU_NM | 1 | 07-F0 | d9 | | |
| 2017/06/19 | | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | |
| 2017/06/19 | | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | |
| 2017/06/19 | | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2017/06/19 | | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13 | | |

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|------------|------------|-----------------------------------|---|-------|----------------|
| 2017/06/19 | 17:28:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2017/06/19 | 17:44:30.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/19 | 17:44:32.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2017/06/19 | 17:44:52.0 | XRT_FLD_DIS_431_OG [0x1af] | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2017/06/19 | 17:46:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2017/06/19 | 17:46:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2017/06/19 | 17:46:58.0 | XRT_QT_PROG_SET_409_OG [0x199] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06 |
| 2017/06/19 | 17:47:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2017/06/19 | 17:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/19 | 17:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/19 | 17:59:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2017/06/19 | 18:00:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | | | |
| | | AOCU_NM | 5 | 02-76 | 04 00 00 00 00 |
| 2017/06/19 | 18:00:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2017/06/19 | 18:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2017/06/19 | 18:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2017/06/19 | 18:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2017/06/19 | 18:00:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2017/06/19 | 18:02:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 |
| 2017/06/19 | 18:02:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d |
| 2017/06/19 | 18:30:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2017/06/19 | 18:31:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2017/06/19 | 19:26:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/19 | 19:26:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/19 | 19:26:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2017/06/19 | 19:26:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2017/06/19 | 19:29:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2017/06/19 | 20:07:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2017/06/19 | 20:08:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2017/06/19 | 20:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/19 | 20:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/19 | 20:59:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2017/06/19 | 21:00:00.0 | AOCS_ORe-point_Start_5_OG [0x09b] | | | |
| | | AOCU_NM | 5 | 02-76 | 03 00 00 00 00 |
| 2017/06/19 | 21:00:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2017/06/19 | 21:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2017/06/19 | 21:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2017/06/19 | 21:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2017/06/19 | 21:00:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2017/06/19 | 21:02:56.0 | XRT_QT_PROG_SET_417_OG [0x1a1] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 08 |
| 2017/06/19 | 21:02:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d |
| 2017/06/19 | 21:04:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/19 | 21:04:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/19 | 21:04:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2017/06/19 | 21:04:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2017/06/19 | 21:07:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2017/06/19 | 21:44:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2017/06/19 | 21:45:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2017/06/19 | 22:42:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2017/06/19 | 22:42:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |

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|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|--|--|
| 2017/06/19 | 22:42:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2017/06/19 | 22:42:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2017/06/19 | 22:45:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2017/06/19 | 23:19:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/19 | 23:20:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2017/06/20 | 00:21:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2017/06/20 | 00:21:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2017/06/20 | 00:21:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2017/06/20 | 00:21:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2017/06/20 | 00:24:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2017/06/20 | 00:51:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/20 | 00:52:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2017/06/20 | 01:59:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2017/06/20 | 01:59:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2017/06/20 | 01:59:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2017/06/20 | 01:59:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2017/06/20 | 02:02:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2017/06/20 | 02:29:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/20 | 02:30:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2017/06/20 | 03:34:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2017/06/20 | 03:34:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2017/06/20 | 03:34:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2017/06/20 | 03:34:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2017/06/20 | 03:37:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2017/06/20 | 03:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2017/06/20 | 03:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2017/06/20 | 03:59:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | |
| 2017/06/20 | 04:00:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 04 00 00 00 00 | | | |
| 2017/06/20 | 04:00:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | |
| 2017/06/20 | 04:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | |
| 2017/06/20 | 04:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | |
| 2017/06/20 | 04:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2017/06/20 | 04:00:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2017/06/20 | 04:02:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | | | |
| 2017/06/20 | 04:02:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | | |
| 2017/06/20 | 04:08:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/20 | 04:09:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2017/06/20 | 05:04:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2017/06/20 | 05:04:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2017/06/20 | 05:04:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2017/06/20 | 05:04:36.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2017/06/20 | 05:07:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2017/06/20 | 05:46:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2017/06/20 | 05:47:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2017/06/20 | 05:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2017/06/20 | 05:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2017/06/20 | 05:59:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | |
| 2017/06/20 | 06:00:00.0 | AOCS_ORe-point_Start_3_OG [0x099] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | |
| 2017/06/20 | 06:00:18.0 | XRT_FLD_DIS_425_OG [0x1a9] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | |

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|------------|------------|-----------------------------------|---|-------|----|----|----|----|----|----|
| 2017/06/20 | 06:02:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | | |
| 2017/06/20 | 06:02:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | | |
| 2017/06/20 | 06:02:58.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 | | | | |
| 2017/06/20 | 06:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | | |
| 2017/06/20 | 06:09:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | | |
| 2017/06/20 | 06:09:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | | |
| 2017/06/20 | 06:09:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 | | |
| 2017/06/20 | 06:10:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 04 | 00 | 00 | 00 | 00 | 00 |
| 2017/06/20 | 06:10:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | | |
| 2017/06/20 | 06:10:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | | |
| 2017/06/20 | 06:10:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | | |
| 2017/06/20 | 06:10:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | | |
| 2017/06/20 | 06:10:26.0 | XRT_FLD_RESET_433_OG [0x1b1] | | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | | |
| 2017/06/20 | 06:12:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 10 | | | | |
| 2017/06/20 | 06:12:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | | | | |
| 2017/06/20 | 06:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | | |
| 2017/06/20 | 06:45:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | | |
| 2017/06/20 | 06:45:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | | |
| 2017/06/20 | 06:45:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | | |
| 2017/06/20 | 06:45:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | | |
| 2017/06/20 | 06:48:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | | |
| 2017/06/20 | 07:24:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | | |
| 2017/06/20 | 07:25:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | | |
| 2017/06/20 | 08:25:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | | |
| 2017/06/20 | 08:25:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | | |
| 2017/06/20 | 08:25:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | | |
| 2017/06/20 | 08:25:06.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | | |
| 2017/06/20 | 08:28:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | | |
| 2017/06/20 | 10:39:00.0 | AOCS_ORe-point_Start_3_OG [0x099] | | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 | 00 |