

XRT Timeline to be uploaded on 2013/07/16

Period: 2013/07/16 10:18:00 - 2013/07/20 11:19:00

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Normal mode

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| XOB #19A3: AR Standard-A(Filter-Ratio) with PFB, FW1=Open, 384x384 at 1064 1048, 20s cad With G-band and VLS closed | | | | | | | | | | | | |
|--|--|-------|------|-------|--------------|-----|-----|----------------------|-------|------------|----------|--------|
| Term | Pointing (x, y) | | | | Comment | | | | | | | |
| 07/16 14:03:00 - 07/16 17:36:54 | Track (-7.2, -295.5) ^{Ⓢ 07/16 14:00:00} | | | | AR11791 obs. | | | | | | | |
| 07/16 17:50:00 - 07/16 22:47:00 | Track (26.2, -295.7) ^{Ⓢ 07/16 17:47:00} | | | | # Cont | | | | | | | |
| 07/17 06:13:00 - 07/17 17:53:24 | Track (135.3, -295.7) ^{Ⓢ 07/17 06:10:00} | | | | # Cont. | | | | | | | |
| 07/17 18:06:30 - 07/17 21:45:30 | Track (238.3, -294.7) ^{Ⓢ 07/17 18:03:30} | | | | # Cont | | | | | | | |
| 07/18 06:45:00 - 07/18 09:10:30 | Track (344.3, -292.6) ^{Ⓢ 07/18 06:42:00} | | | | # Cont. | | | | | | | |
| PROG= 20 Inf.-time(s) | | | | | | | | | | | | |
| └─ Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 78 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 16.0s | Obs | 1x1 | 384x384 (1064, 1048) | Q=98 | 0 | 0 | 2.0sec |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 12ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=98 | 0 | 0 | 2.0sec |
| └─ Open/G-band | Open/G-band | close | Safe | Norm | 32ms | Obs | 1x1 | 384x384 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| └─ Seqn= 62 4-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Open/Ti-poly | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| └─ Open/thick-Al | Open/thick-Be | close | Safe | Norm | 16.0s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| └─ Seqn= 63 48-time(s) 20.0sec | | | | | | | | | | | | |
| └─ Open/Al-mesh | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| └─ Open/Ti-poly | Open/thick-Be | close | Safe | Norm | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| └─ Open/Al-mesh | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 1 | 2.0sec |
| └─ Open/Ti-poly | Open/thick-Be | close | Safe | Norm | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 1 | 2.0sec |
| └─ Open/Al-mesh | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 2 | 2.0sec |
| └─ Open/Ti-poly | Open/thick-Be | close | Safe | Norm | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 2 | 2.0sec |
| └─ Open/Al-mesh | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 3 | 2.0sec |
| └─ Open/Ti-poly | Open/thick-Be | close | Safe | Norm | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 3 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

| XOB #199E: Synoptic Q95 2x2 - Al/mesh(12/128/723) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Ti-poly(33/362/1443) + G-b | | | | | | | | | | | | |
|---|-------------------|-------|------|-------|-----------------------------|-----|-----|------------------------|-------|------------|----------|--------|
| Term | Pointing (x, y) | | | | Comment | | | | | | | |
| 07/16 17:40:00 - 07/16 17:46:54 | Fixed (0.0, 0.0) | | | | synoptic, shifted -23.0 min | | | | | | | |
| 07/17 06:03:00 - 07/17 06:09:54 | Fixed (0.0, 0.0) | | | | synoptic | | | | | | | |
| 07/17 17:56:30 - 07/17 18:03:24 | Fixed (0.0, 0.0) | | | | synoptic, shifted -6.5 min | | | | | | | |
| 07/18 06:35:00 - 07/18 06:41:54 | Fixed (0.0, 0.0) | | | | synoptic, shifted 32.0 min | | | | | | | |
| PROG= 16 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 12.0sec | | | | | | | | | | | | |
| └─ Seqn= 82 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 12ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| └─ Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 125ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| └─ Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 707ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| └─ Seqn= 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= 83 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 32ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| └─ Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 354ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| └─ Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 1.41s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| └─ Seqn= 66 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 8ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=90 | 0 | 0 | 2.0sec |
| └─ Open/G-band | Open/G-band | close | Safe | Norm | 32ms | Obs | 1x1 | 2048x2048 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

| XOB #19A4: AR High cadense Ti-poly 5s 384x384 | | | | | | | | | | | | |
|--|--|-------|------|-------|---------|-----|-----|----------------------|-------|------------|----------|--------|
| Term | Pointing (x, y) | | | | Comment | | | | | | | |
| 07/16 23:22:36 - 07/17 05:59:54 | Track (26.2, -295.7) ^{Ⓢ 07/16 17:47:00} | | | | # Cont | | | | | | | |
| 07/17 22:28:06 - 07/18 06:31:54 | Track (238.3, -294.7) ^{Ⓢ 07/17 18:03:30} | | | | # Cont | | | | | | | |
| PROG= 07 Inf.-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 78 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 16.0s | Obs | 1x1 | 384x384 (1064, 1048) | Q=98 | 0 | 0 | 2.0sec |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 12ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=98 | 0 | 0 | 2.0sec |
| └─ Open/G-band | Open/G-band | close | Safe | Norm | 32ms | Obs | 1x1 | 384x384 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| └─ Seqn= 88 120-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 250ms | Obs | 2x2 | 384x384 (1024, 1024) | Q=95 | 1 | 0 | 5.0sec |
| └─ Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 250ms | Obs | 2x2 | 384x384 (1024, 1024) | Q=95 | 1 | 0 | 5.0sec |
| └─ Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 250ms | Obs | 2x2 | 384x384 (1024, 1024) | Q=95 | 1 | 0 | 5.0sec |
| └─ Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 250ms | Obs | 2x2 | 384x384 (1024, 1024) | Q=95 | 1 | 0 | 5.0sec |
| └─ Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 250ms | Obs | 2x2 | 384x384 (1024, 1024) | Q=95 | 1 | 0 | 5.0sec |
| 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 #199C: Flare Standard Obs. with eruptions mode-A (FW1=Open and VLS-Closed) | | | | | | | | | | | | |
|--|---|-------|--------------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| Term | Pointing (x, y) | | Comment | | | | | | | | | |
| 07/16 14:03:00 - 07/16 17:36:54 | Track (-7.2, -295.5) @ 07/16 14:00:00 | | AR11791 obs. | | | | | | | | | |
| 07/16 17:50:00 - 07/16 22:47:00 | Track (26.2, -295.7) @ 07/16 17:47:00 | | # Cont | | | | | | | | | |
| 07/16 23:22:36 - 07/17 05:59:54 | Track (26.2, -295.7) @ 07/16 17:47:00 | | # Cont | | | | | | | | | |
| 07/17 06:13:00 - 07/17 17:53:24 | Track (135.3, -295.7) @ 07/17 06:10:00 | | # Cont. | | | | | | | | | |
| 07/17 18:06:30 - 07/17 21:45:30 | Track (238.3, -294.7) @ 07/17 18:03:30 | | # Cont | | | | | | | | | |
| 07/17 22:28:06 - 07/18 06:31:54 | Track (238.3, -294.7) @ 07/17 18:03:30 | | # Cont | | | | | | | | | |
| 07/18 06:45:00 - 07/18 09:10:30 | Track (344.3, -292.6) @ 07/18 06:42:00 | | # Cont. | | | | | | | | | |
| PROG= 08 1-time(s) | | | | | | | | | | | | |
| Subr= 1 30-time(s) 20.0sec | | | | | | | | | | | | |
| Seqn= 58 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/thick-Al | Open/thick-Al | close | Safe | Norm | 1.00s | 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= 64 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
| Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
| Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| Seqn= 79 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 32ms | Obs | 1x1 | 384x384 (1024, 1024) | DPCM | 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 |
| Subr= 3 30-time(s) 60.0sec | | | | | | | | | | | | |
| Seqn= 58 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/thick-Al | Open/thick-Al | close | Safe | Norm | 1.00s | 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= 60 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
| Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
| Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| Seqn= 79 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 32ms | Obs | 1x1 | 384x384 (1024, 1024) | DPCM | 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 |
| Subr= 3 30-time(s) 60.0sec | | | | | | | | | | | | |
| Seqn= 58 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/thick-Al | Open/thick-Al | close | Safe | Norm | 1.00s | 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= 60 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
| Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
| Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| Seqn= 79 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 32ms | Obs | 1x1 | 384x384 (1024, 1024) | DPCM | 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 |
| Subr= 3 30-time(s) 60.0sec | | | | | | | | | | | | |
| Seqn= 58 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/thick-Al | Open/thick-Al | close | Safe | Norm | 1.00s | 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= 60 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
| Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
| Subr= 4 24-time(s) 600.0sec | | | | | | | | | | | | |
| Seqn= 61 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/Al-mesh | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 1 | 0 | 2.0sec |
| Open/Ti-poly | Open/thick-Be | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 1 | 0 | 2.0sec |
| Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Dark | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

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Active Region Search

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NOT USED

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Flare Detection

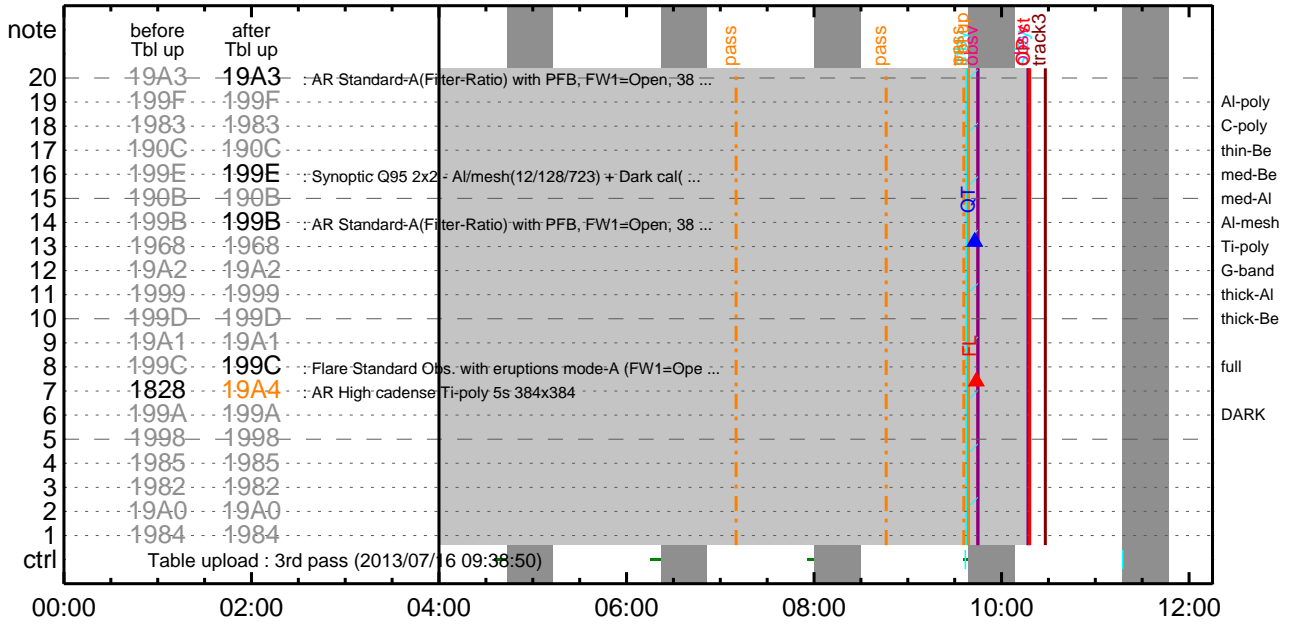
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| FLD Patrol | | | | | | | | | | | |
|---------------------------------|---|--|---------|--|--|--|--|--|--|--|--|
| Term | Pointing (x, y) | | Comment | | | | | | | | |
| 07/16 17:47:16 - 07/17 06:00:16 | Track (26.2, -295.7) @ 07/16 17:47:00 | | # Cont | | | | | | | | |
| 07/17 06:10:16 - 07/17 17:53:46 | Track (135.3, -295.7) @ 07/17 06:10:00 | | # Cont. | | | | | | | | |
| 07/17 18:03:46 - 07/18 06:32:16 | Track (238.3, -294.7) @ 07/17 18:03:30 | | # Cont | | | | | | | | |

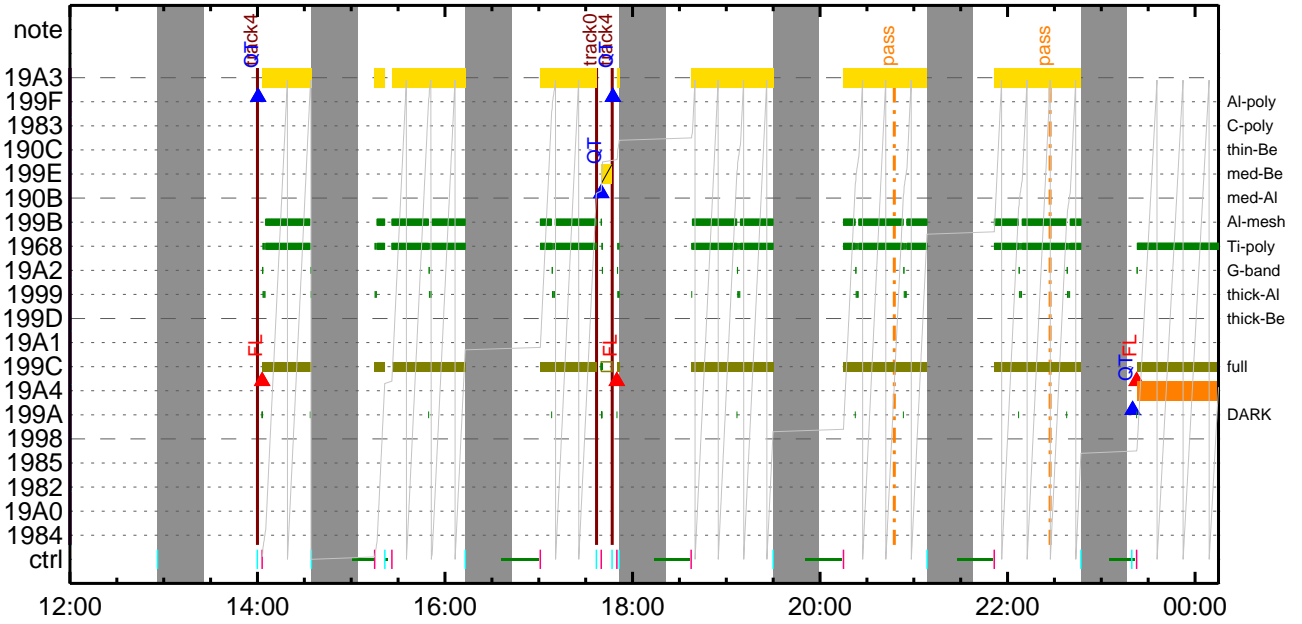
07/18 06:42:16 - 07/20 11:19:00 Track (344.3, -292.6) @ 07/18 06:42:00 # Cont.

| | | | | | | | | | | |
|----------------|----------------|-------|------|-------|------|-----|-----|--------------------|-------|---------------------|
| Open/Ti-poly | Open/thick-Al | 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 |

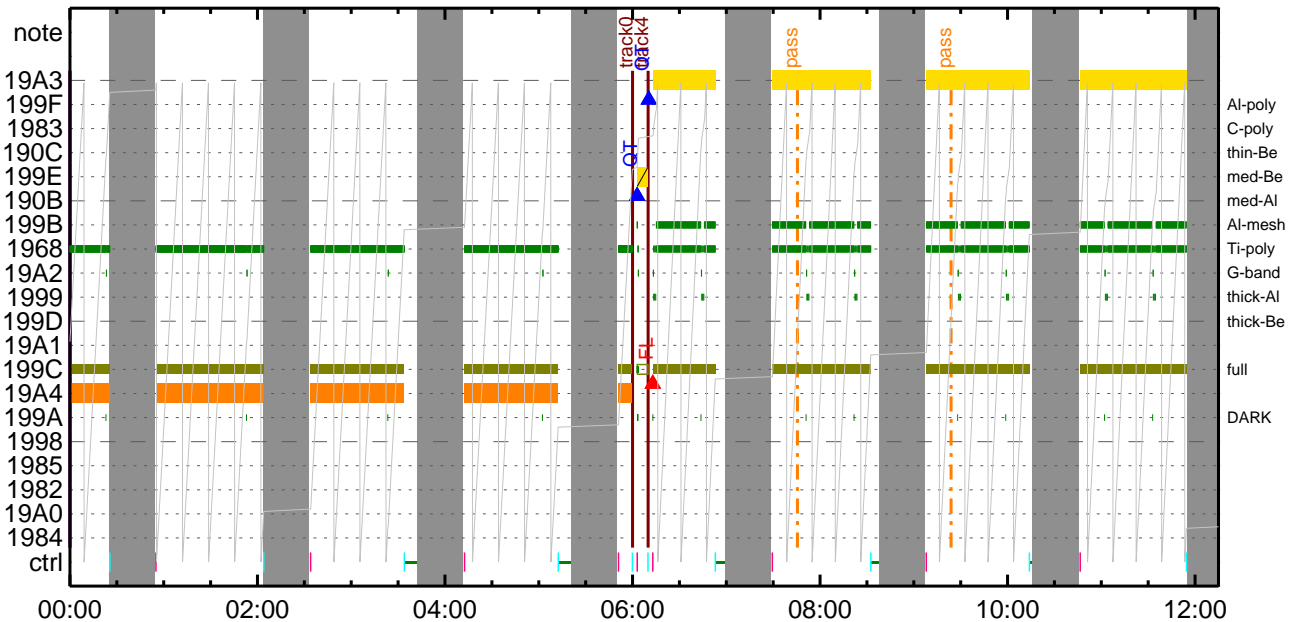
CMDI #0602 2013/07/16



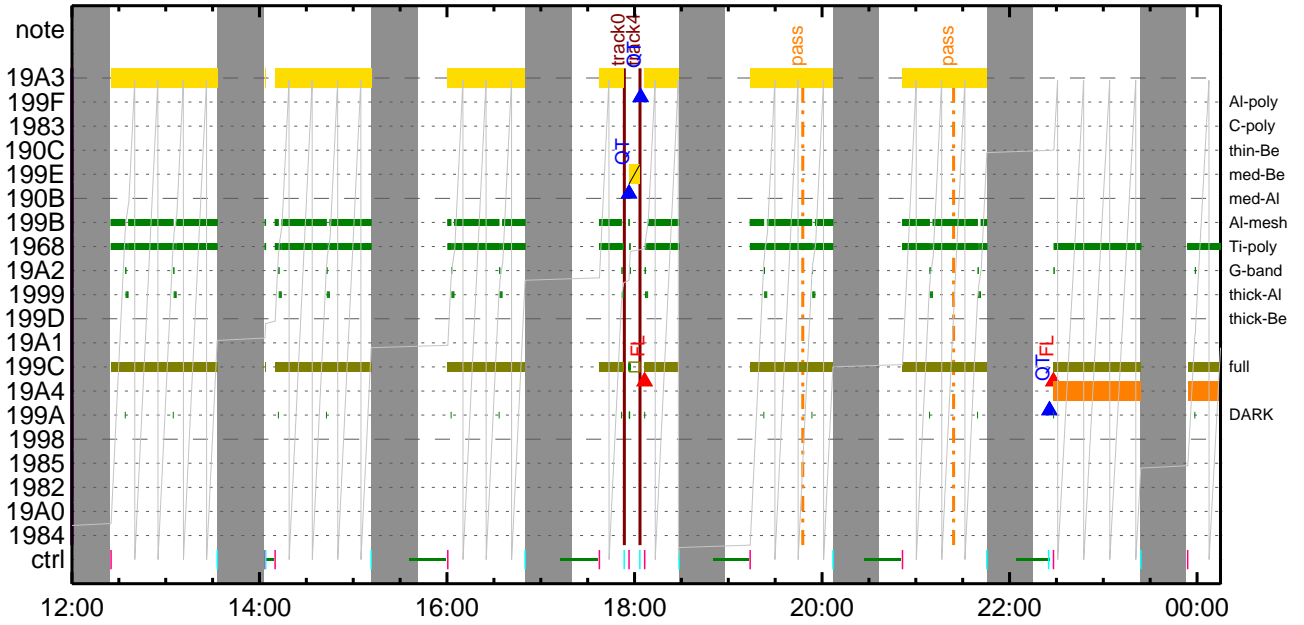
CMDI #0602 2013/07/16



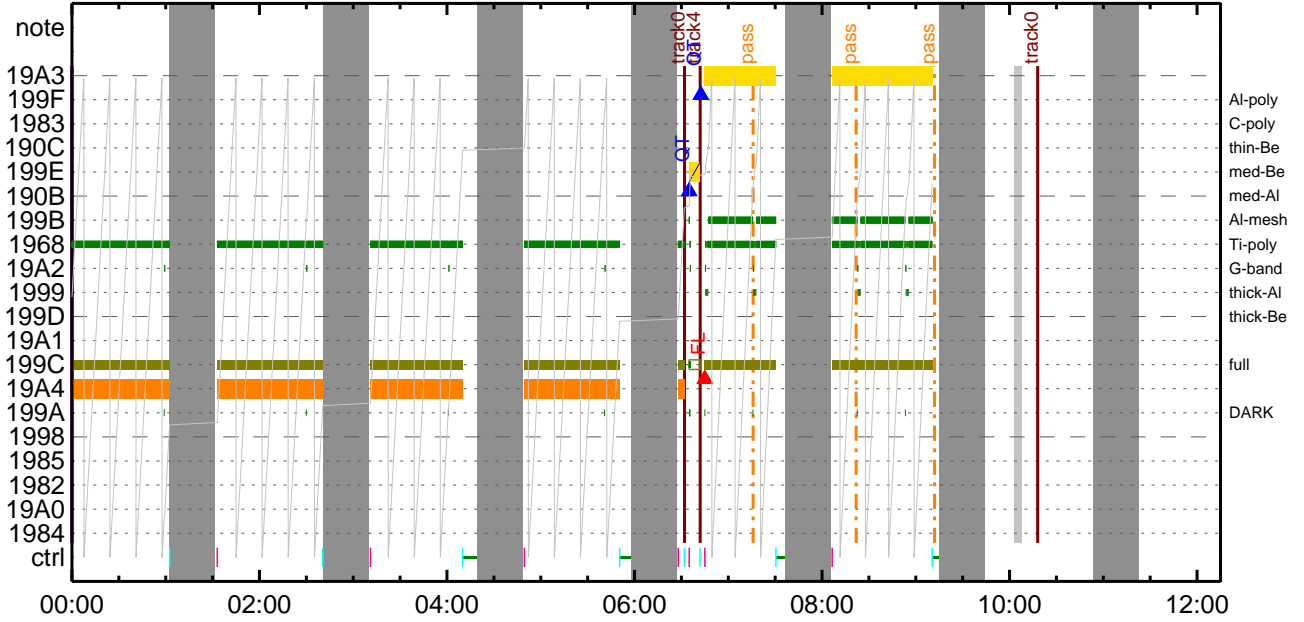
CMDI #0602 2013/07/17



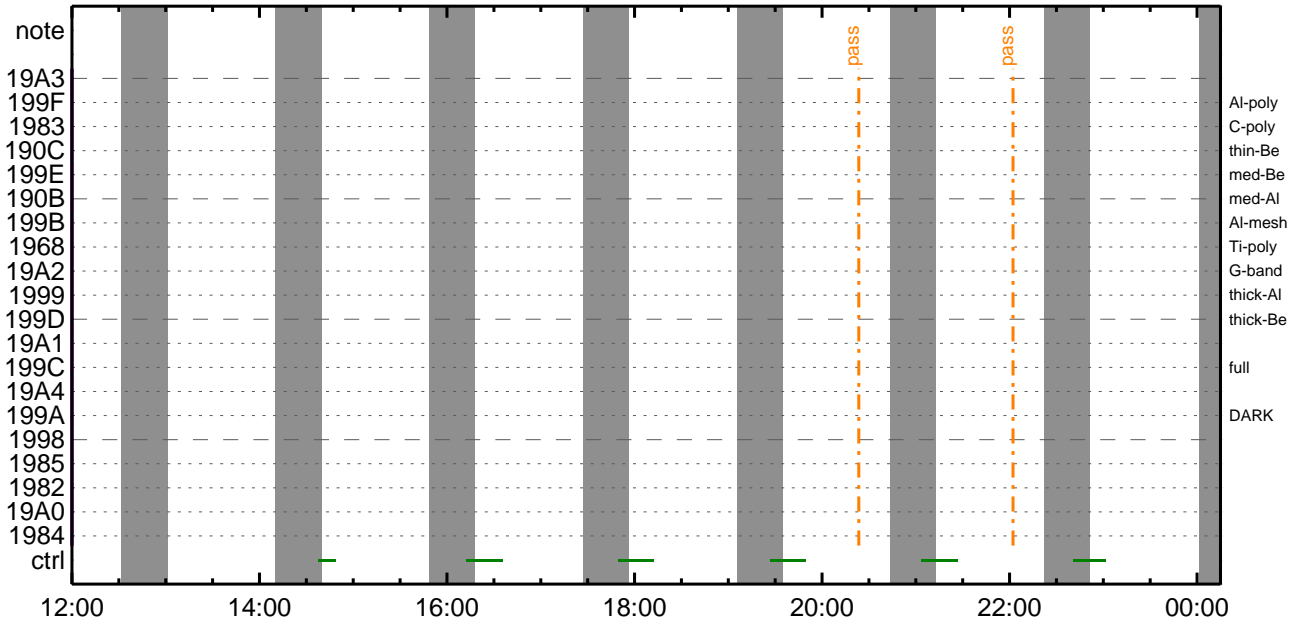
CMDI #0602 2013/07/17



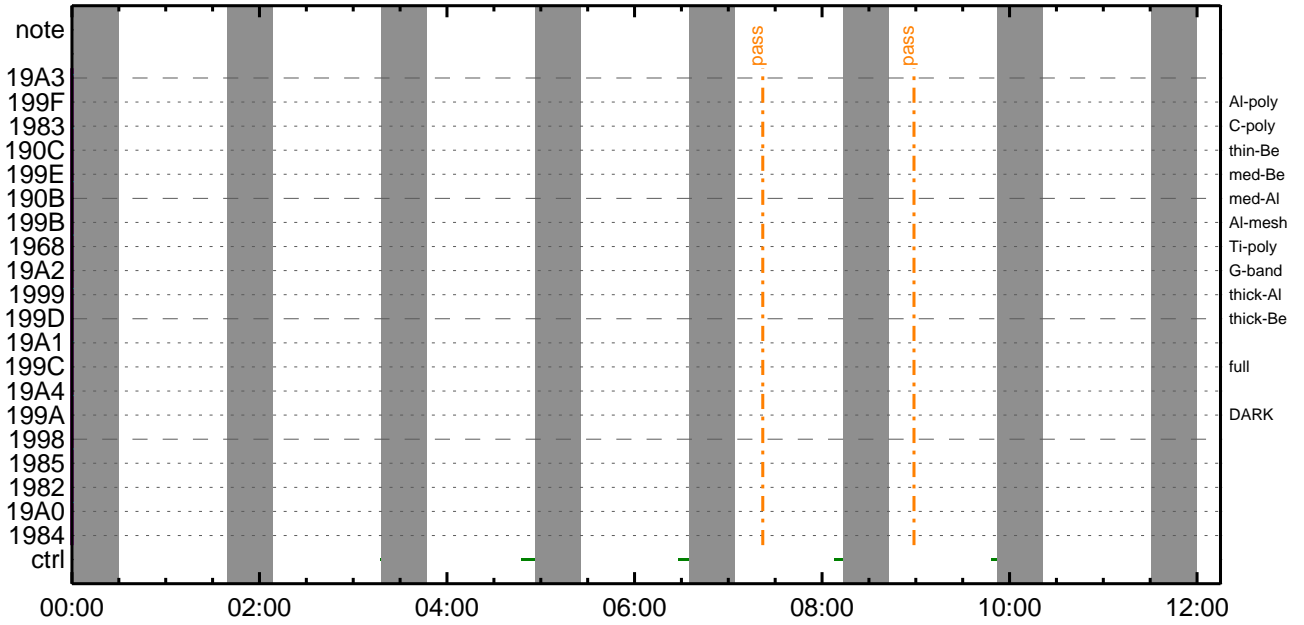
CMDI #0602 2013/07/18



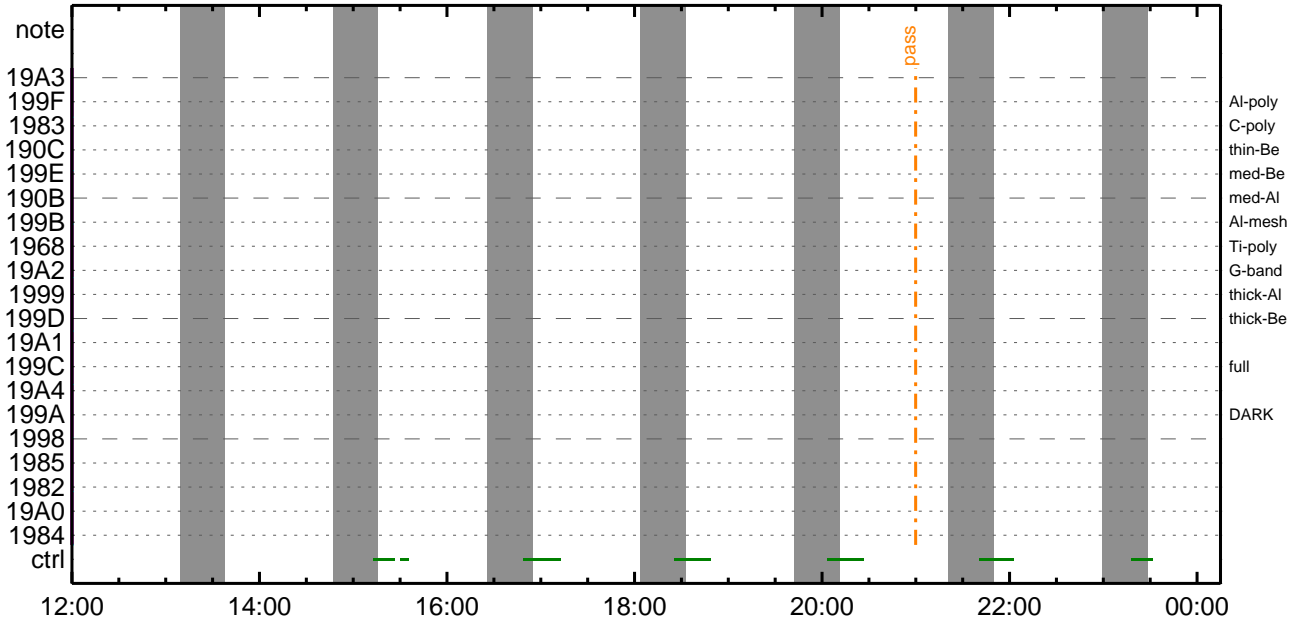
CMDI #0602 2013/07/18



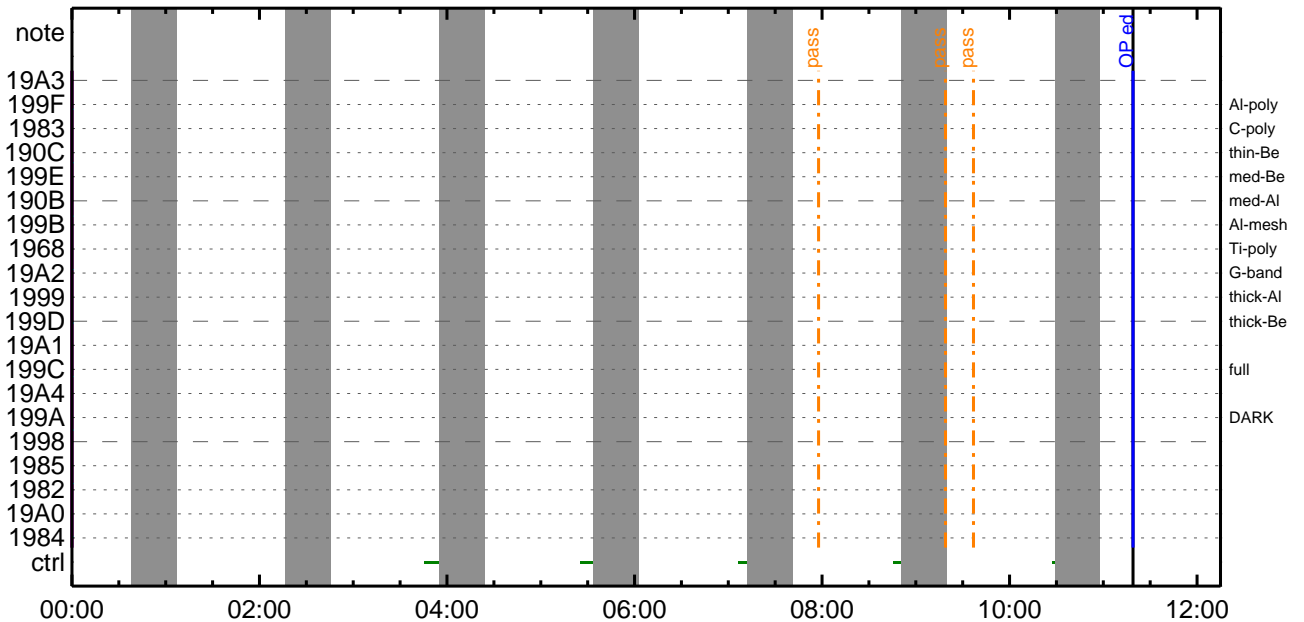
CMDI #0602 2013/07/19



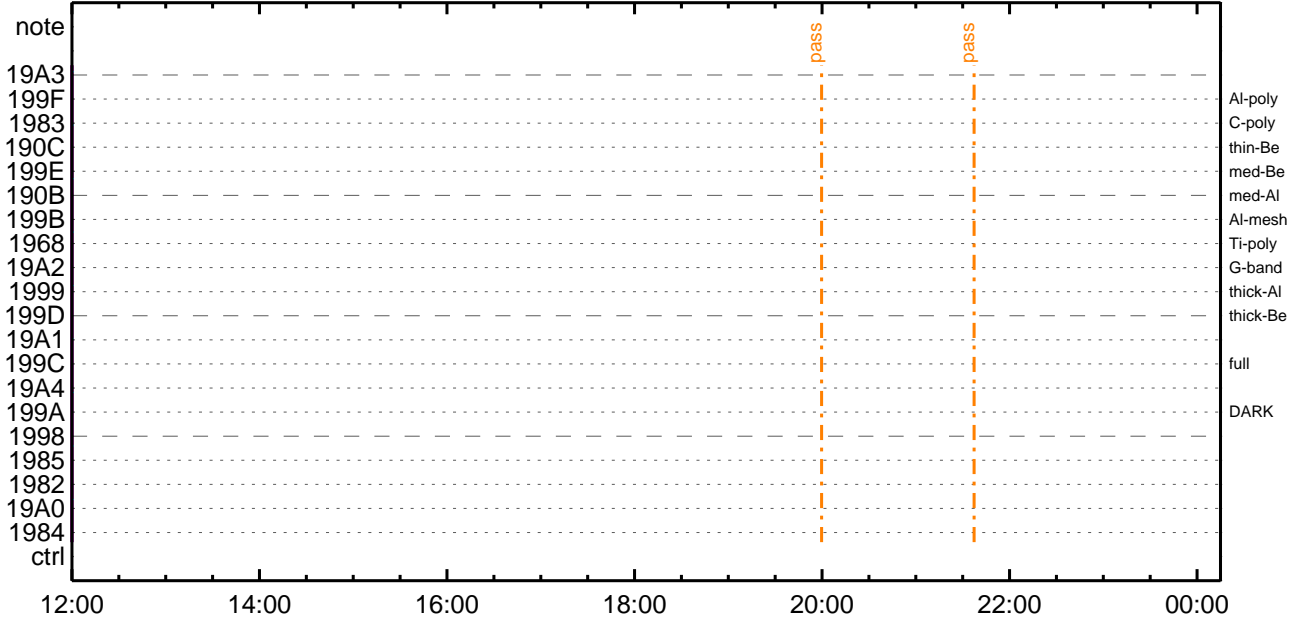
CMDI #0602 2013/07/19



CMDI #0602 2013/07/20



CMDI #0602 2013/07/20



(a) Spacecraft Operation Procedure (real-commands)

```
main-779 2013-07-16 12:57:42 289 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÄYYSÄY~¼Ä»Û;ã
0005 C.
0006 C. YÄYB;¼Y³YBYYÉÄ+ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. ÄÏ;ÈçðÃBµ°È»Í×ÁÇöÍYçYÄY×YÍ;¼YÉ;ÈÈÈµ•íÈ;ÈBÈ¼°ÇÖBµç¼Ï¹çBÏ;çÄ®, ùB¹BÈBçBçÄ+ç®Bµ°ÈBçççBÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÄ+ç®µ;ON
0016 C. *****
0017 C. ç“ °ÈÄ, Í×ÈYâLOSPçBçBÏ»p´ÖBð¹íÏ, µ; çÉÖÍ×BÈXÄÖONBÏ¹ÖBÈB¹BÈBçççBÈ;f
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 + DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 + DC 03-95 TCIA_XMOD_QPSK
0024 C. çç[HK1_XPA_ON/OFF] EQ ON
0025 C. çç[HK1_XPA_PWR_HI/LO] EQ HI
0026 C. çç[HK1_XMOD_ON/OFF] EQ ON
0027 C. çç[HK1_XMOD_QPSK/PM] EQ QPSK
0028 C.
0029 . C. XYDYÖYÉYÍYÄY~¼ÖÄÖBµçç;ç°È²¼BÏ¹°ÈÄ, ¼È¼çBð¼Ä¹ÖB¹BÈ;f
0030 C.
0031 . C. *****
0032 C. DR PT1 ÄÏ¼i°ÈÄ,
0033 C. *****
0034 C. ç“ RESTART;ÈPT1;ÈBµçç¼Ï¹çBÏ;ç°È²¼BÏ¹°ÈÄ»B°;çDCBC-150BðçÈBç;f
0035 C.
0036 . C. ;ãPT1°ÈÄ, ³«»Ï;ã
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 + DC 06-C8 DR_PT1_REP_SEL
0039 BC (01 00)
0040 + DC 06-B3 DR_REP_START
0041 + DC 01-32 DHU_X_VC4_ON
0042 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹Ö, ;¼Û)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Û)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Û)
0045 C.
0046 . C. ;ãYçYöYÄYÄÛÄÖ;ÈÄ•Ä°²öÈð;È, áBÏ¹°ÈÄ, °È³«;ã
0047 +. DC 06-B3 DR_REP_START
0048 + DC 01-32 DHU_X_VC4_ON
0049 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹Ö, ;¼Û)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Û)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Û)
0052 C.
0053 C.
0054 . C. PT1°ÈÄ, B~¼«È°Ä»Bµçç;ã;ç°È²¼Bð¼Ä¹ÖB¹BÈ;f
0055 C. YçYöYÄYÄÛÄÖBÄÄ•Ä°²öÈðB~¼áBµçç¹çBÏ¹°Ï¹»B¹BÈBççÄÖBÄ;f
0056 C.
0057 . C. *****
0058 C. DR PT2 ÄÏ¼i°ÈÄ,
0059 C. *****
0060 C. ç“ RESTART;ÈPT2;ÈBµçç¼Ï¹çBÏ;ç°È²¼BÏ¹°ÈÄ»B°;çDCBC-151BðçÈBç;f
0061 C.
0062 . C. ;ãPT2°ÈÄ, ³«»Ï;ã
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 + DC 06-C8 DR_PT2_REP_SEL
0065 BC (02 00)
0066 + DC 06-B3 DR_REP_START
0067 + DC 01-32 DHU_X_VC4_ON
0068 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹Ö, ;¼Û)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Û)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Û)
0071 C.
0072 . C. ;ãYçYöYÄYÄÛÄÖ;ÈÄ•Ä°²öÈð;È, áBÏ¹°ÈÄ, °È³«;ã
0073 +. DC 06-B3 DR_REP_START
0074 + DC 01-32 DHU_X_VC4_ON
0075 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹Ö, ;¼Û)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Û)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Û)
0078 C.
0079 . C. *****
0080 C. DR°ÈÄ, Ää»B;çXÄ+ç®µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÈÄ, Ää»B;ã
0084 +. DC 06-B4 DR_REP_STOP
0085 + DC 01-29 DHU_S/X_VC4_OFF
0086 C. çç[HK1_REP_STA/STP] EQ STOP
0087 C. çç[HK1_S_VC4_ON/OFF] EQ OFF
0088 C. çç[HK1_X_VC4_ON/OFF] EQ OFF
0089 C.
0090 . C. ;ãXÄ+ç®µ;OFF;ã
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 + DC 03-B5 TCIA_XPA_OFF
0094 C. çç[HK1_XMOD_ON/OFF] EQ OFF
0095 C. çç[HK1_XPA_ON/OFF] EQ OFF
```



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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOYx
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-779:OP
0104 ( )
0105 S. OG og-779:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOYx;ã
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. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YAYOYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
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. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. YAYOYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
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. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. YAYOYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î½E¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** °E²¼òî½A´¶A°EÉ¬òÁ÷¿@ (¼âµ-YAYOYx½ê½çòðÁÓÆòÇ¼ª°¬òE¼i¹çòçòâ) *****
0167 C. DHUYâ;4YE;E½Y½;Yi;4YE;Eòðîã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[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-Á÷¿@NG²î½i¹ç;ç°E²¼òî½TI-CMDÁ÷¿@²î½Á¹Ôª°¬E²ò³òE;f
0180 C. ²ò³òE;çSET²EEDUMP²î½±°iYNY¹ç¹Ôª|²³òE;f
0181 C.
0182 C. TIY³Y½Y½E²òðÁDî¿(UT)
0183 +. TI 2013-07-16 10:13:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2013-07-16 10:13:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2013-07-16 10:13:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2013-07-16 10:17:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼αïÄê%îíñαîŷÄŷ$ŷÄŷ-¹àîŭ
0200 C.          çç[HK1_TI_CMD_ENA/DIS]      EQ      ENA
0201 C.          çç[HK1_TI_CMD_NUM]          EQ      4
0202 C.          çç[HK1_NEXT_EXEC_PIM]       EQ      DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]       EQ      0xB3
0204 C.
0205 C. *****
0206 C. TIîî°èŷÄŷÖŷ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;$ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC      (03 ab 03 01 02)
0212 C.          çç[HK1_DMP_TOP_ADRS_1]    EQ      07
0213 C.          çç[HK1_DMP_TOP_ADRS_0]    EQ      2B
0214 C.          çç[HK1_DMP_BLOCK_NUM]     EQ      3
0215 C.          çç[HK1_DMP_REPEAT_NUM]    EQ      0
0216 C.          çç[HK1_DMA_DMP_PIM]       EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.          çç[HK1_PKT_FORM_NO]       EQ      7
0220 C.          çç[HK1_PKT_GEN_TIME]      EQ      0.25 s
0221 C.          çç[HK1_S_TLM_BIT_RATE]   EQ      32k
0222 C.          çç[HK1_X_TLM_BIT_RATE]   EQ      4M
0223 C.          çç[HK1_DMP_CHK_FLG]      EQ      EXEC
0224 C.
0225 C. ŷÄŷÖŷ×½ªî»ò³îçš
0226 C.          çç[HK1_DMP_CHK_FLG]       EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLαîŷÈ¹ç•è²îOKαò³îçš
0229 C.
0230 C. DHUŷâ;¼ŷÈ;È¼ŷ¼. ŷî;¼ŷÈ;Èαòîãα¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]       EQ      2
0234 C.          çç[HK1_PKT_GEN_TIME]      EQ      0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]   EQ      32K
0236 C.          çç[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 2013-07-16 10:17:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC      (21 02)
0247 +. TI 2013-07-16 10:17:40.0
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. SOT TI command set
0256 C. *****
0257 C. Execute, after the success of OP upload.
0258 +. TI 2013-07-16 10:17:16.0
0259 DC 07-F0 MDP_SOT_MODE_STBY
0260 BC      (41)
0261 C. -----
0262 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0263 C. -----
0264 C. ***** SOT END *****
0265 C.
0266 C. ***** XRT START *****
0267 C. Execute, after the success of OP upload.
0268 +. TI 2013-07-16 10:17:00.0
0269 DC 07-F0 MDP_XRT_MODE_STBY
0270 BC      (c3)
0271 C.          [ ] [HK1_TI_CMD_NUM]      EQ      1COUNTUP
0272 C.
0273 C. ***** XRT END *****
0274 C.
0275 C. ***** MDP `úÃîαî»ö¼ŷαÈÄα¹αèDCBC•x²è *****
0276 C. (¼ã°îŷÖŷÄŷÈŷŷŷÄŷçŷèÈ¼αα¼Ã»Űα¹αè)
0277 S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ŷĐŷ¹.İ Daily±çîñαÈ'Øα¹αèDCBC•x²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOSŷÄŷ$ŷÄŷ-¼Ã»Ű;ã
0287 C.
0288 C. ***** LOS *****
0289 C.

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0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCs Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. ***** AOCs Commands (Orbital Element Update) *****
0130 C. Update the orbital element
0131 +. DC 02-50 AOCU_ORB_PRPGT_START
0132 BC (16)
0133 + DC 02-8E AOCU_ORB_UPD
0134 C.
0135 C. <A_ORB>[ORBIT] EPC = 4922591.5 +- 1.0 (s) [ ]
0136 C.
0137 . C.
0138 . C. *****
0139 C. SOT table upload
0140 C. *****
0141 . C. < Stop FG table >
0142 +. DC 07-F0 MDP_FG_CTRL_MANU
0143 BC (51)
0144 . C. -----
0145 C. MDP_FG_CTRL_MODE = MANU [ ]
0146 C. -----
0147 C.
0148 . C. <Upload FG Observation Table>
0149 . S. RAM ram-261:MDP_OBS_F
0150 ( )
0151 C.
0152 . C. < Dump RAMID=MDP_OBS_F >
0153 +. DC 07-F0 MDP_DUMP_FGTBL
0154 BC (82 07 00 00 00 38 b8)
0155 C. -----
0156 C. MDP_OBS_F verify = OK/NG [ ]
0157 C. -----
0158 C.
0159 . C. < Upload DPL table >
0160 C.
0161 C. ¥ç¥Ã¥×¥í;¥¥ÉαîÁ°αĚSTS_CHKαðOFFαĚα¹αĚ
0162 C.
0163 . S. RAM ram-271:MDP_DPL
0164 ( )
0165 C.
0166 . C. < Dump RAMID=MDP_DPL >
0167 +. DC 07-F0 MDP_DUMP_FGTBL
0168 BC (82 07 00 38 b8 00 40)
0169 C. -----
0170 C. MDP_DPL verify = OK [ ]
0171 C. -----
0172 C.
0173 C. STS_CHKαðONαĚα¹αĚ
0174 C.
0175 . C. < Update MDP DSC PAR1 >
0176 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0177 BC (4c)
0178 C. MDP_CMD_CODE = F04C0700 [ ]
0179 C. MDP_CMD_CNT (count-up 1) [ ]
0180 C. -----
0181 C.
0182 . C.
0183 . C. < Resume FG table (auto mode) >
0184 +. DC 07-F0 MDP_FG_CTRL_AUTO
0185 BC (50)
0186 . C. -----
0187 C. MDP_FG_CTRL_MODE = AUTO [ ]
0188 C. -----
0189 C.
0190 C. *****
0191 C. SOT TI command set
0192 C. *****
0193 C. Execute, after the success of TBL upload.

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0194 +. TI 2013-07-16 10:17:18.0
0195 DC 07-F0 MDP_SOT_MODE_OBSV
0196 BC (40)
0197 . C. -----
0198 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0199 C. -----
0200 C.
0201 C. Only when FG_CTRL_AUTO is used in RT.
0202 +. TI 2013-07-16 10:17:20.0
0203 DC 07-F0 MDP_FG_CTRL_AUTO
0204 BC (50)
0205 . C. -----
0206 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0207 C. -----
0208 C. ***** SOT END *****
0209 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0210 +. DC 07-FC EIS_MODE_MANU
0211 BC (21 02)
0212 . C. Verify EIS in MANUAL mode
0213 . C. Estimated OBSTBL upload time is 36s
0214 C. *****
0215 C. EIS START OBSTBL LOAD
0216 C. *****
0217 . S. RAM ram-820:EIS_OBSTBL
0218 ( )
0219 +. DC 07-FC EIS_DUMP_OBSTBL
0220 BC (07 07 07 00 00 70 00)
0221 C.
0222 C. Execute, after the success of OBSTBL upload.
0223 C. Set EIS TI-commands
0224 +. TI 2013-07-16 10:17:50.0
0225 DC 07-FC EIS_MODE_CHG_ENA
0226 BC (20)
0227 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0228 C. *****
0229 C. EIS END OBSTBL LOAD
0230 C. *****
0231 C.
0232 . C. ***** MDP 'uAÎaÎ»ö¼YªEÄÐª¹ªèDCBC•x²è *****
0233 C. (%á°îÿÓYÄYÉYÏYËYáYçYèªE¼ªª¼Ä»Ûª¹ªè)
0234 . S. DC-BC dcbc-402:DCBC
0235 (MDP_known_event)
0236 C.
0237 C.
0238 . C. ***** YDÿ¹•Ï Daily±¿ÎÑªE´Øª¹ªèDCBC•x²è *****
0239 . S. DC-BC dcbc-153:DCBC
0240 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0241 C.
0242 C.
0243 . C. ;ãLOS¥Á¥$¥Ä¥-¼Ä»Û;ä
0244 C.
0245 . C. ***** LOS *****
0246 C.

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(a) Spacecraft Operation Procedure (real-commands)

```
main-781 2013-07-16 12:57:42 141 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ä
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;ÈçðÀB•µ°È»Í×ÁÇçÍYçYÁY×Yí;¼YÉ;ÈÈ%µ•ííÉ;ÈBÈ¼°ÇÇB•B¼i¹çBÍ;çÁ®, ùB¹BÈBçBçÁ+¿®B•BÈBçBçÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 + DC 07-F0 MDP_XRT_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ? OK / NG____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ? OK / ERR ____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 05 85 83 06 06)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 06 85 83 06 06)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 07 80 80 20 20)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 08 80 80 20 08)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 09 80 80 08 20)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0a 80 80 06 06)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0f 80 80 06 06)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 10 80 80 08 08)
0056 + DC 07-F0 MDP_XRT_FLD_ENA
0057 BC (d8)
0058 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0059 BC (c8)
0060 + DC 07-F0 MDP_XRT_AEC_RESET
0061 BC (d0)
0062 + DC 07-F0 MDP_XRT_ARS_DIS
0063 BC (d5)
0064 + DC 07-F0 MDP_XRT_FLD_RESET
0065 BC (da)
0066 + DC 07-F0 MDP_XRT_QT_PROG_SET
0067 BC (c4 0e)
0068 + DC 07-F0 MDP_XRT_FL_PROG_SET
0069 BC (c5 08)
0070 . C. ----- Success Verify ? OK / NG ____
0071 C.
0072 C.
0073 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0074 C.
0075 +. DC 07-F0 MDP_XRT_MODE_OBSV
0076 BC (c2)
0077 +. TI 2013-07-16 10:17:02.0
0078 DC 07-F0 MDP_XRT_MODE_OBSV
0079 BC (c2)
0080 . C. ----- Success Verify ? OK / NG ____
0081 C.
0082 C. ***** XRT END *****
0083 . C. *****
0084 C. FPP CCD Heaters ENA
0085 C. Y¹YÁ;¼Y¿Y¹B•µ°È»Í×ÁÇçÍYçYÁY×Yí;¼YÉ;ÈÈ%µ•ííÉ;ÈBÈ¼°ÇÇB•B¼i¹çBÍ;çÁ®, ùB¹BÈBçBçÁ+¿®B•BÈBçBçÈ;f
0086 C. Y³YF¥ÖYÉÁ+¿®B•BÈBçBçÈ;f
0087 C. *****
0088 C.
0089 . C. < FG Decontam Level 1 -45 to -35, Duty=15% >
0090 C. ( Set SP heater duty = 0 % (for safety))
0091 +. DC 07-F2 FPP_FG_OPHTR_DUTY
0092 BC (54 03 0f)
0093 + DC 07-F2 FPP_FG_OPHTR_BAND
0094 BC (56 06 fe a2 fe 3e)
0095 + DC 07-F2 FPP_SP_OPHTR_DUTY
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0096 BC (4c 03 00)
0097 . C. -----
0098 C. FPP_FG_CCDHTR_DC = 15 [ ]
0099 C. FPP_FG_CCDHTR_DB_HI = -35 [ ]
0100 C. FPP_FG_CCDHTR_DB_LO = -45 [ ]
0101 C. FPP_SP_CCDHTR_DC = 00 [ ]
0102 C. -----
0103 C.
0104 . C. Pause XRT obs by XRT_CTRL_MANU
0105 C.
0106 . C. < FPP Decontam Mode Enable >
0107 +. DC 07-F2 FPP_PWR_ON_ENA
0108 BC (12 02)
0109 +. DC 07-F2 FPP_DE_CONTAM_MODE
0110 BC (24 03 01)
0111 . C. -----
0112 C. FPP_DE_CONTAM_MODE = ON [ ]
0113 C. -----
0114 C.
0115 . C. Resume XRT obs by XRT_CTRL_AUTO
0116 C.
0117 . C. < Disable SP Heater >
0118 C. (Note: Both SP/FG Decontam heaters come on
0119 C. when Decontam mode is entered)
0120 +. DC 07-F2 FPP_SP_OPHTR_DIS
0121 BC (4a 02)
0122 . C. -----
0123 C. FPP_SPHTR_STAT = 01 (OFF) [ ]
0124 C. -----
0125 C.
0126 C.
0127 . C. ***** MDP 'uAÎaî»ô%YôEÂDâ¹aèDCBC•x²è *****
0128 C. (%â°îYÓYÁYÈYpYÈYáYçYèaE%¼a¼A»Ûa¹aè)
0129 . S. DC-BC dcbc-402:DCBC
0130 (MDP_known_event)
0131 C.
0132 C.
0133 . C. ***** YD¥¹·İ Daily±;İÑaÈ'Øa¹aèDCBC•x²è *****
0134 . S. DC-BC dcbc-153:DCBC
0135 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0136 C.
0137 C.
0138 . C. ;ãLOS¥Á¥S¥Ã¥¼A»Û;ã
0139 C.
0140 . C. ***** LOS *****
0141 C.

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*** OP Sequence for XRT ***

| | | | | | | | | | |
|------------|------------|-----------------------------------|---|-------|----|----|----|----|----|
| 2013/07/16 | 10:28:00.0 | AOCS_OrE-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 03 | 00 | 00 | 00 | 00 |
| 2013/07/16 | 11:17:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/16 | 11:17:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/16 | 11:17:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/16 | 11:20:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/16 | 12:56:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/16 | 12:56:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/16 | 12:56:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/16 | 12:59:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/16 | 13:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/16 | 13:59:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 | |
| 2013/07/16 | 14:00:00.0 | AOCS_OrE-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 04 | 00 | 00 | 00 | 00 |
| 2013/07/16 | 14:00:16.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2013/07/16 | 14:00:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2013/07/16 | 14:00:20.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2013/07/16 | 14:00:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2013/07/16 | 14:00:24.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/16 | 14:00:26.0 | XRT_QT_PROG_SET_407_OG [0x197] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 | | | |
| 2013/07/16 | 14:02:58.0 | XRT_FL_PROG_SET_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 08 | | | |
| 2013/07/16 | 14:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/16 | 14:34:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/16 | 14:34:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/16 | 14:34:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/16 | 14:37:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/16 | 15:14:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/16 | 15:15:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/16 | 15:21:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/16 | 15:21:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/16 | 15:21:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/16 | 15:24:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/16 | 15:25:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/16 | 15:26:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/16 | 16:13:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/16 | 16:13:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/16 | 16:13:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/16 | 16:16:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/16 | 17:00:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/16 | 17:01:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/16 | 17:36:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/16 | 17:36:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2013/07/16 | 17:37:00.0 | AOCS_OrE-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2013/07/16 | 17:37:16.0 | XRT_FLD_DIS_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2013/07/16 | 17:39:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2013/07/16 | 17:39:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2013/07/16 | 17:39:58.0 | XRT_QT_PROG_SET_445_OG [0x1bd] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 10 | | | |
| 2013/07/16 | 17:40:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/16 | 17:46:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----|----|----|----|
| 2013/07/16 | 17:46:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2013/07/16 | 17:47:00.0 | AOCs_OrE-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 04 | 00 | 00 | 00 |
| 2013/07/16 | 17:47:16.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | | d8 | | |
| 2013/07/16 | 17:47:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | | c8 | | |
| 2013/07/16 | 17:47:20.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_AEC_RESET | 1 | 07-F0 | | d0 | | |
| 2013/07/16 | 17:47:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | | d5 | | |
| 2013/07/16 | 17:47:24.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | |
| 2013/07/16 | 17:47:26.0 | XRT_QT_PROG_SET_407_OG [0x197] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 | | |
| 2013/07/16 | 17:49:58.0 | XRT_FL_PROG_SET_431_OG [0x1af] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 08 | | |
| 2013/07/16 | 17:50:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | |
| 2013/07/16 | 17:51:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | |
| 2013/07/16 | 17:51:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | |
| 2013/07/16 | 17:51:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | |
| 2013/07/16 | 17:54:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | |
| 2013/07/16 | 18:36:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/16 | 18:37:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | |
| 2013/07/16 | 19:30:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | |
| 2013/07/16 | 19:30:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | |
| 2013/07/16 | 19:30:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | |
| 2013/07/16 | 19:33:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | |
| 2013/07/16 | 20:14:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/16 | 20:15:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | |
| 2013/07/16 | 21:08:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | |
| 2013/07/16 | 21:08:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | |
| 2013/07/16 | 21:08:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | |
| 2013/07/16 | 21:11:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | |
| 2013/07/16 | 21:50:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/16 | 21:51:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | |
| 2013/07/16 | 22:47:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | |
| 2013/07/16 | 22:47:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | |
| 2013/07/16 | 22:47:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | |
| 2013/07/16 | 22:50:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | |
| 2013/07/16 | 23:19:30.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | |
| 2013/07/16 | 23:19:32.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2013/07/16 | 23:19:52.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | | d8 | | |
| 2013/07/16 | 23:19:54.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | | c8 | | |
| 2013/07/16 | 23:19:56.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_AEC_RESET | 1 | 07-F0 | | d0 | | |
| 2013/07/16 | 23:19:58.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | | d5 | | |
| 2013/07/16 | 23:20:00.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | |
| 2013/07/16 | 23:20:02.0 | XRT_QT_PROG_SET_425_OG [0x1a9] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 07 | | |
| 2013/07/16 | 23:22:34.0 | XRT_FL_PROG_SET_431_OG [0x1af] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 08 | | |
| 2013/07/16 | 23:22:36.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | |
| 2013/07/17 | 00:25:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | |
| 2013/07/17 | 00:25:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | | da | | |
| 2013/07/17 | 00:25:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | e8 | | |
| 2013/07/17 | 00:28:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | e9 | | |
| 2013/07/17 | 00:54:00.5 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/17 | 00:55:00.5 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | |
| 2013/07/17 | 02:04:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|--|--|
| 2013/07/17 | 02:04:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2013/07/17 | 02:04:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2013/07/17 | 02:07:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2013/07/17 | 02:33:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2013/07/17 | 02:34:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2013/07/17 | 03:34:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2013/07/17 | 03:34:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2013/07/17 | 03:34:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2013/07/17 | 03:37:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2013/07/17 | 04:11:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2013/07/17 | 04:12:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2013/07/17 | 05:12:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2013/07/17 | 05:12:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2013/07/17 | 05:12:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2013/07/17 | 05:15:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2013/07/17 | 05:50:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2013/07/17 | 05:51:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2013/07/17 | 05:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2013/07/17 | 05:59:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | |
| 2013/07/17 | 06:00:00.0 | AOCS_OrE-point_Start_3_OG [0x099] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | |
| 2013/07/17 | 06:00:16.0 | XRT_FLD_DIS_434_OG [0x1b2] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | |
| 2013/07/17 | 06:02:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | |
| 2013/07/17 | 06:02:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2013/07/17 | 06:02:58.0 | XRT_QT_PROG_SET_445_OG [0x1bd] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | | | |
| 2013/07/17 | 06:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2013/07/17 | 06:09:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2013/07/17 | 06:09:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | |
| 2013/07/17 | 06:10:00.0 | AOCS_OrE-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 04 00 00 00 00 | | | |
| 2013/07/17 | 06:10:16.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | |
| 2013/07/17 | 06:10:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | |
| 2013/07/17 | 06:10:20.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | |
| 2013/07/17 | 06:10:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2013/07/17 | 06:10:24.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2013/07/17 | 06:10:26.0 | XRT_QT_PROG_SET_407_OG [0x197] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 | | | |
| 2013/07/17 | 06:12:58.0 | XRT_FL_PROG_SET_431_OG [0x1af] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08 | | | |
| 2013/07/17 | 06:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2013/07/17 | 06:53:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2013/07/17 | 06:53:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2013/07/17 | 06:53:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2013/07/17 | 06:56:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2013/07/17 | 07:28:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2013/07/17 | 07:29:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2013/07/17 | 08:32:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2013/07/17 | 08:32:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2013/07/17 | 08:32:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2013/07/17 | 08:35:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2013/07/17 | 09:07:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2013/07/17 | 09:08:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2013/07/17 | 10:14:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |

| | | | | | | | |
|------------|------------|------------------------------------|---------------------|---|-------|----------------|--|
| 2013/07/17 | 10:14:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2013/07/17 | 10:14:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2013/07/17 | 10:17:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2013/07/17 | 10:45:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2013/07/17 | 10:46:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2013/07/17 | 11:54:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2013/07/17 | 11:54:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2013/07/17 | 11:54:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2013/07/17 | 11:57:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2013/07/17 | 12:24:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2013/07/17 | 12:25:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2013/07/17 | 13:33:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2013/07/17 | 13:33:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2013/07/17 | 13:33:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2013/07/17 | 13:36:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2013/07/17 | 14:02:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2013/07/17 | 14:03:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2013/07/17 | 14:04:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2013/07/17 | 14:04:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2013/07/17 | 14:04:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2013/07/17 | 14:07:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2013/07/17 | 14:09:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2013/07/17 | 14:10:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2013/07/17 | 15:11:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2013/07/17 | 15:11:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2013/07/17 | 15:11:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2013/07/17 | 15:14:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2013/07/17 | 15:59:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2013/07/17 | 16:00:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2013/07/17 | 16:50:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2013/07/17 | 16:50:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2013/07/17 | 16:50:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2013/07/17 | 16:53:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2013/07/17 | 17:36:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2013/07/17 | 17:37:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2013/07/17 | 17:53:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2013/07/17 | 17:53:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2013/07/17 | 17:53:30.0 | AOCS_Or-e-point_Start_3_OG [0x099] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | |
| 2013/07/17 | 17:53:46.0 | XRT_FLD_DIS_434_OG [0x1b2] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2013/07/17 | 17:56:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2013/07/17 | 17:56:26.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2013/07/17 | 17:56:28.0 | XRT_QT_PROG_SET_445_OG [0x1bd] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | |
| 2013/07/17 | 17:56:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2013/07/17 | 18:03:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2013/07/17 | 18:03:26.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | |
| 2013/07/17 | 18:03:30.0 | AOCS_Or-e-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 04 00 00 00 00 | |
| 2013/07/17 | 18:03:46.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2013/07/17 | 18:03:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2013/07/17 | 18:03:50.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |

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|------------|------------|-----------------------------------|---|-------|-------------|
| 2013/07/17 | 18:03:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2013/07/17 | 18:03:54.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/17 | 18:03:56.0 | XRT_QT_PROG_SET_407_OG [0x197] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 |
| 2013/07/17 | 18:06:28.0 | XRT_FL_PROG_SET_431_OG [0x1af] | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08 |
| 2013/07/17 | 18:06:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/17 | 18:28:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/17 | 18:28:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/17 | 18:28:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/17 | 18:31:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/17 | 19:13:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/17 | 19:14:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/17 | 20:07:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/17 | 20:07:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/17 | 20:07:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/17 | 20:10:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/17 | 20:50:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/17 | 20:51:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/17 | 21:45:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/17 | 21:45:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/17 | 21:45:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/17 | 21:48:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/17 | 22:25:00.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/17 | 22:25:02.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2013/07/17 | 22:25:22.0 | XRT_FLD_ENA_411_OG [0x19b] | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2013/07/17 | 22:25:24.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2013/07/17 | 22:25:26.0 | XRT_AEC_RESET_413_OG [0x19d] | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2013/07/17 | 22:25:28.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2013/07/17 | 22:25:30.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/17 | 22:25:32.0 | XRT_QT_PROG_SET_425_OG [0x1a9] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 07 |
| 2013/07/17 | 22:28:04.0 | XRT_FL_PROG_SET_431_OG [0x1af] | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08 |
| 2013/07/17 | 22:28:06.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/17 | 23:24:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/17 | 23:24:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/17 | 23:24:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/17 | 23:27:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/17 | 23:53:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/17 | 23:54:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/18 | 01:02:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/18 | 01:02:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/18 | 01:02:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/18 | 01:05:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/18 | 01:32:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/18 | 01:33:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/18 | 02:40:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/18 | 02:40:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/18 | 02:40:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/18 | 02:43:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/18 | 03:10:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/18 | 03:11:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |

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| | | | | | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2013/07/18 | 04:10:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/18 | 04:10:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/18 | 04:10:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/18 | 04:13:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/18 | 04:48:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/18 | 04:49:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/18 | 05:50:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/18 | 05:50:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/18 | 05:50:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/18 | 05:53:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/18 | 06:27:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/18 | 06:28:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/18 | 06:31:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/18 | 06:31:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2013/07/18 | 06:32:00.0 | AOCS_Orе-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2013/07/18 | 06:32:16.0 | XRT_FLD_DIS_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2013/07/18 | 06:34:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2013/07/18 | 06:34:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2013/07/18 | 06:34:58.0 | XRT_QT_PROG_SET_445_OG [0x1bd] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | | | | |
| 2013/07/18 | 06:35:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/18 | 06:41:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/18 | 06:41:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2013/07/18 | 06:42:00.0 | AOCS_Orе-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 04 00 00 00 00 | | | | |
| 2013/07/18 | 06:42:16.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2013/07/18 | 06:42:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2013/07/18 | 06:42:20.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2013/07/18 | 06:42:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2013/07/18 | 06:42:24.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/18 | 06:42:26.0 | XRT_QT_PROG_SET_407_OG [0x197] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 | | | | |
| 2013/07/18 | 06:44:58.0 | XRT_FL_PROG_SET_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08 | | | | |
| 2013/07/18 | 06:45:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/18 | 07:30:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/18 | 07:30:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/18 | 07:30:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/18 | 07:33:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/18 | 08:05:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/18 | 08:06:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/18 | 09:10:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/18 | 09:10:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/18 | 09:10:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/18 | 09:13:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/18 | 10:18:00.0 | AOCS_Orе-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |