

XRT Timeline to be uploaded on 2013/07/27

Period: 2013/07/27 10:13:00 - 2013/08/01 10:33:00

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Normal mode

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| XOB #199A: AR Standard-A(Filter-Ratio) with PFB, FW1=Open, 384x384 at 1064 1048, 100s cad With G-band and VLS closed | | | | | | | | | | |
|--|--|-------|------|-------|-------|-----------------------------------|-----|----------------------|-------|---------------------|
| Term | Pointing (x, y) | | | | | Comment | | | | |
| 07/27 10:26:00 - 07/27 17:51:24 | Track (707.7, -217.1) ^{Ⓜ 07/27 10:23:00} | | | | | # OP start + 10min, AR 11800 Obs. | | | | |
| 07/27 18:50:30 - 07/28 06:06:24 | Track (750.5, -212.2) ^{Ⓜ 07/27 18:01:30} | | | | | # Cont. | | | | |
| 07/28 09:20:00 - 07/28 18:05:24 | Track (823.3, -201.4) ^{Ⓜ 07/28 09:16:30} | | | | | # Cont. | | | | |
| 07/28 18:18:30 - 07/29 05:35:54 | Track (857.9, -194.6) ^{Ⓜ 07/28 18:15:30} | | | | | # Cont. | | | | |
| 07/29 05:49:00 - 07/29 09:24:00 | Track (892.8, -185.2) ^{Ⓜ 07/29 05:46:00} | | | | | # Cont. | | | | |
| 07/29 09:57:00 - 07/29 17:40:30 | Fixed (910.6, -174.0) | | | | | * AR 11800 fixed pointing | | | | |
| 07/29 18:38:30 - 07/30 05:57:24 | Fixed (910.6, -174.0) | | | | | # AR 11800 fixed pointing | | | | |
| 07/30 06:10:30 - 07/30 09:58:00 | Fixed (910.6, -174.0) | | | | | # Cont. | | | | |
| PROG= 06 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 40-time(s) 100.0sec | | | | | | | | | | |
| └─ 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 | | | | |
| 07/27 17:54:30 - 07/27 18:01:24 | Fixed (0.0, 0.0) | | | | | synoptic, shifted -8.5 min | | | | |
| 07/28 06:09:30 - 07/28 06:16:24 | Fixed (0.0, 0.0) | | | | | synoptic, shifted 6.5 min, SOT flat field | | | | |
| 07/28 18:08:30 - 07/28 18:15:24 | Fixed (0.0, 0.0) | | | | | synoptic, shifted 5.5 min | | | | |
| 07/29 05:39:00 - 07/29 05:45:54 | Fixed (0.0, 0.0) | | | | | synoptic, shifted -24.0 min | | | | |
| 07/29 18:28:30 - 07/29 18:35:24 | Fixed (0.0, 0.0) | | | | | synoptic, shifted 25.5 min | | | | |
| 07/30 06:00:30 - 07/30 06:07:24 | Fixed (0.0, 0.0) | | | | | synoptic, shifted -2.5 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 #19A6: CME watch - 4x4 - AEC 2 - Ti/poly- 60s cad | | | | | | | | | | |
|---|-------------------|-------|------|-------|-------|---|-----|------------------------|-------|---------------------|
| Term | Pointing (x, y) | | | | | Comment | | | | |
| 07/28 06:19:30 - 07/28 08:46:00 | Fixed (0.0, 0.0) | | | | | synoptic, shifted 6.5 min, SOT flat field | | | | |
| PROG= 12 Inf.-time(s) | | | | | | | | | | |
| └ Subr= 1 15-time(s) 60.0sec | | | | | | | | | | |
| └─ Seqn= 47 1-time(s) 4.0sec | | | | | | | | | | |
| └─ Open/Ti-poly | Open/thick-Al | close | Safe | Norm | 125ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 2 0 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer Interval |

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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 |
|---------------------------------|--|---|
| 07/27 10:26:00 - 07/27 17:51:24 | Track (707.7, -217.1) ^{Ⓢ 07/27 10:23:00} | # OP start + 10min, AR 11800 Obs. |
| 07/27 18:50:30 - 07/28 06:06:24 | Track (750.5, -212.2) ^{Ⓢ 07/27 18:01:30} | # Cont. |
| 07/28 06:19:30 - 07/28 08:46:00 | Fixed (0.0, 0.0) | synoptic, shifted 6.5 min, SOT flat field |
| 07/28 09:20:00 - 07/28 18:05:24 | Track (823.3, -201.4) ^{Ⓢ 07/28 09:16:30} | # Cont. |
| 07/28 18:18:30 - 07/29 05:35:54 | Track (857.9, -194.6) ^{Ⓢ 07/28 18:15:30} | # Cont. |
| 07/29 05:49:00 - 07/29 09:24:00 | Track (892.8, -185.2) ^{Ⓢ 07/29 05:46:00} | # Cont. |
| 07/29 09:57:00 - 07/29 17:40:30 | Fixed (910.6, -174.0) | * AR 11800 fixed pointing |
| 07/29 18:38:30 - 07/30 05:57:24 | Fixed (910.6, -174.0) | # AR 11800 fixed pointing |
| 07/30 06:10:30 - 07/30 09:58:00 | Fixed (910.6, -174.0) | # Cont. |

| PROG= 08 | | 1-time(s) | | 20.0sec | | | | | | | | | | | |
|---------------|---------------|------------|------|----------|-------|-----|-----|----------------------|------|---|---|--------|--|--|--|
| 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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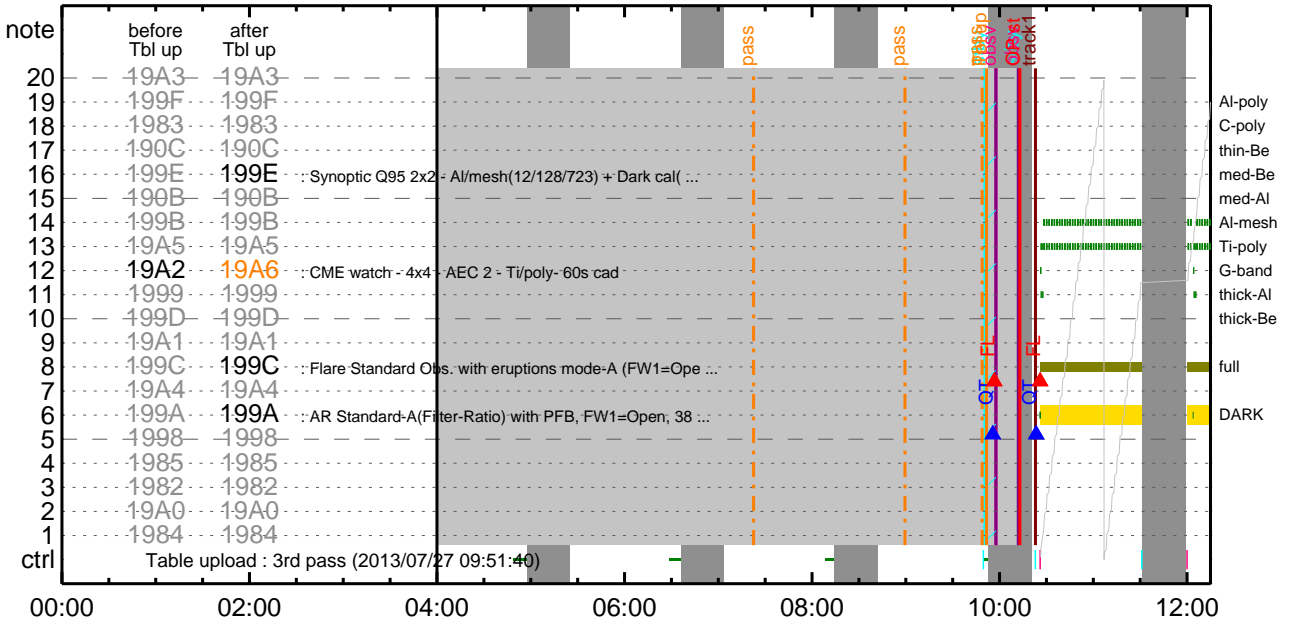
Flare Detection

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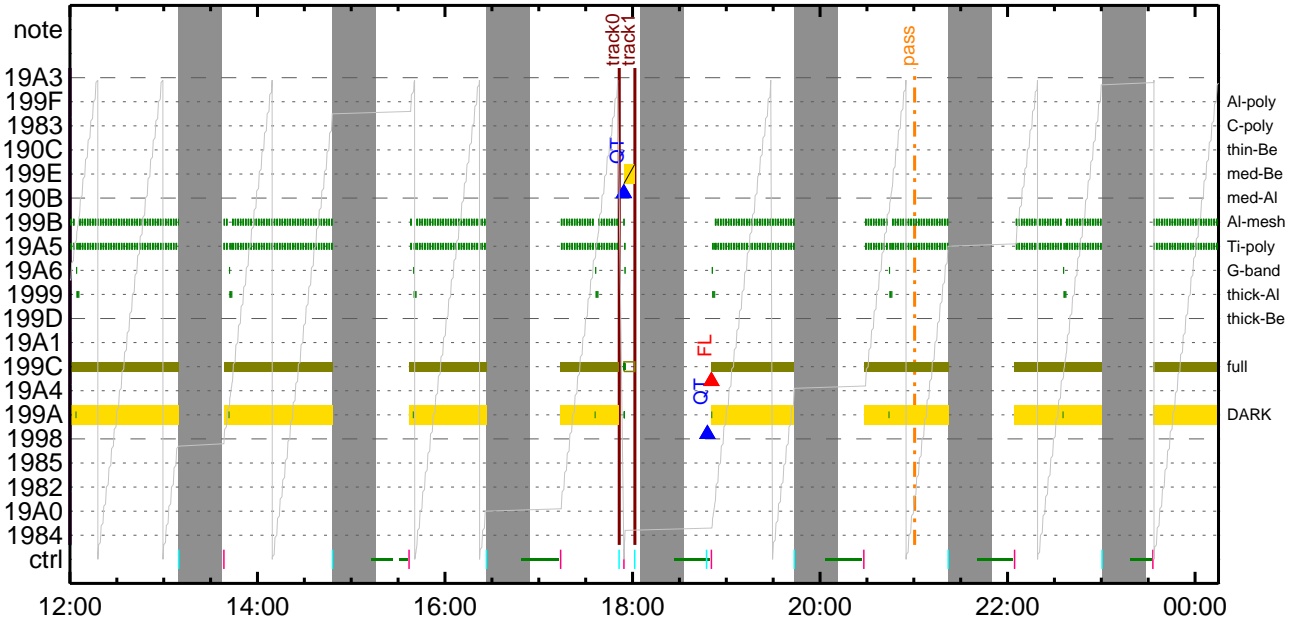
| FLD Patrol | | Pointing (x, y) | | | | | | | | | | | |
|---------------------------------|--|-----------------|--|--|--|--|--|--|--|--|--|--|--|
| 07/27 18:47:46 - 07/28 06:06:46 | Track (750.5, -212.2) ^{Ⓢ 07/27 18:01:30} | | | | | | | | | | | | |
| 07/28 06:16:46 - 07/28 18:05:46 | Fixed (0.0, 0.0) | | | | | | | | | | | | |
| 07/28 18:15:46 - 07/29 05:36:16 | Track (857.9, -194.6) ^{Ⓢ 07/28 18:15:30} | | | | | | | | | | | | |
| 07/29 05:46:16 - 07/29 18:25:46 | Track (892.8, -185.2) ^{Ⓢ 07/29 05:46:00} | | | | | | | | | | | | |
| 07/29 18:35:46 - 07/30 05:57:46 | Fixed (910.6, -174.0) | | | | | | | | | | | | |
| 07/30 06:07:46 - 08/01 10:33:00 | Fixed (910.6, -174.0) | | | | | | | | | | | | |

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

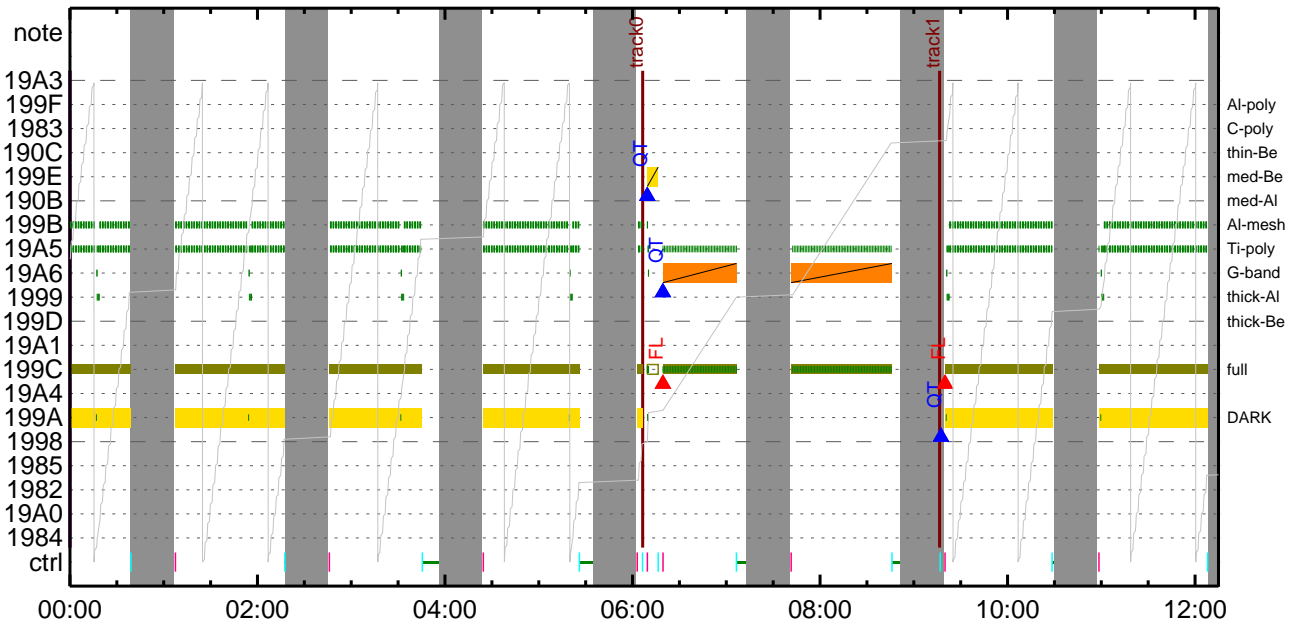
CMDI #0628 2013/07/27



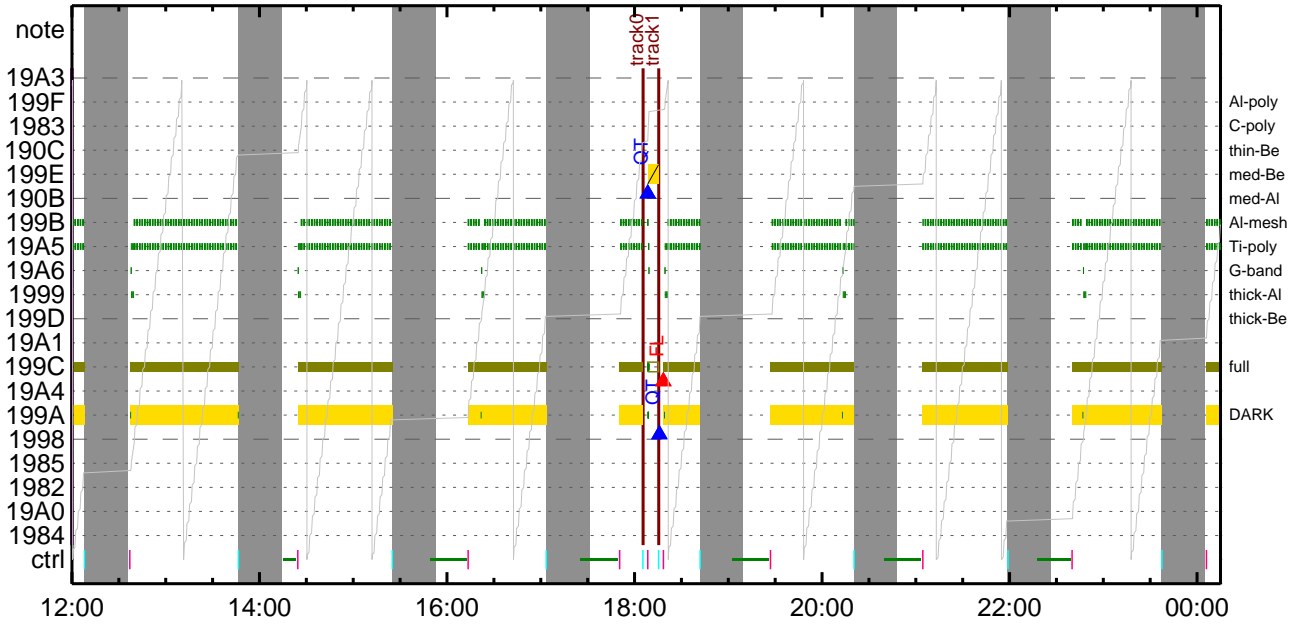
CMDI #0628 2013/07/27



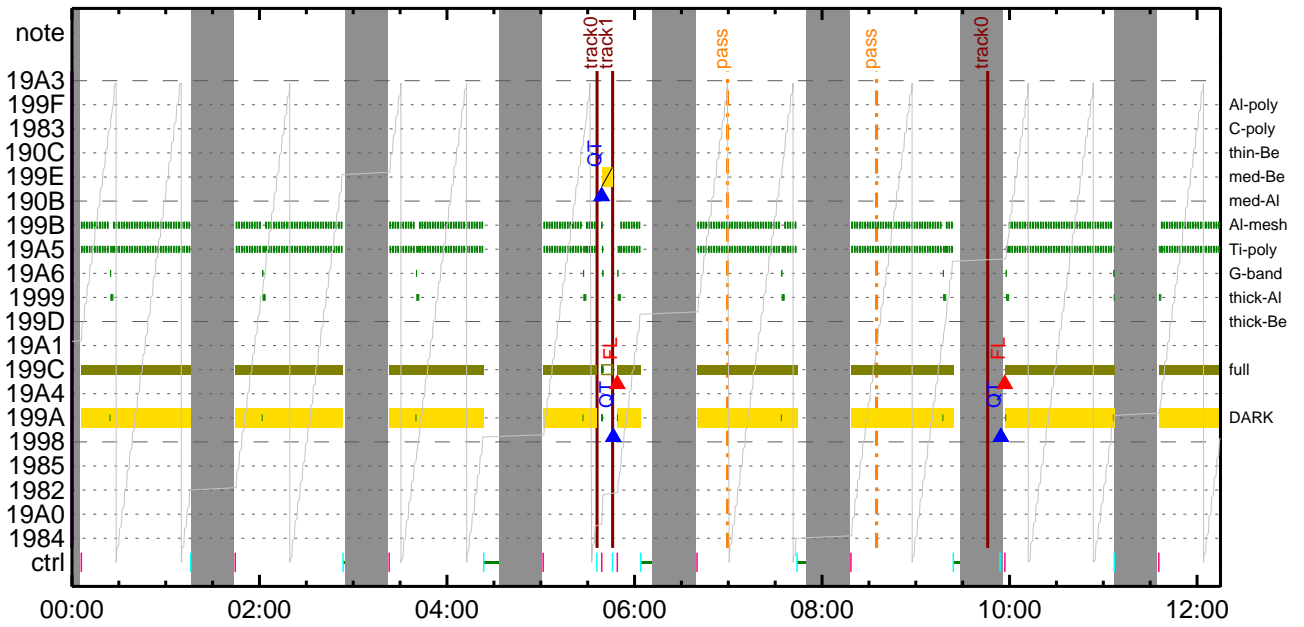
CMDI #0628 2013/07/28



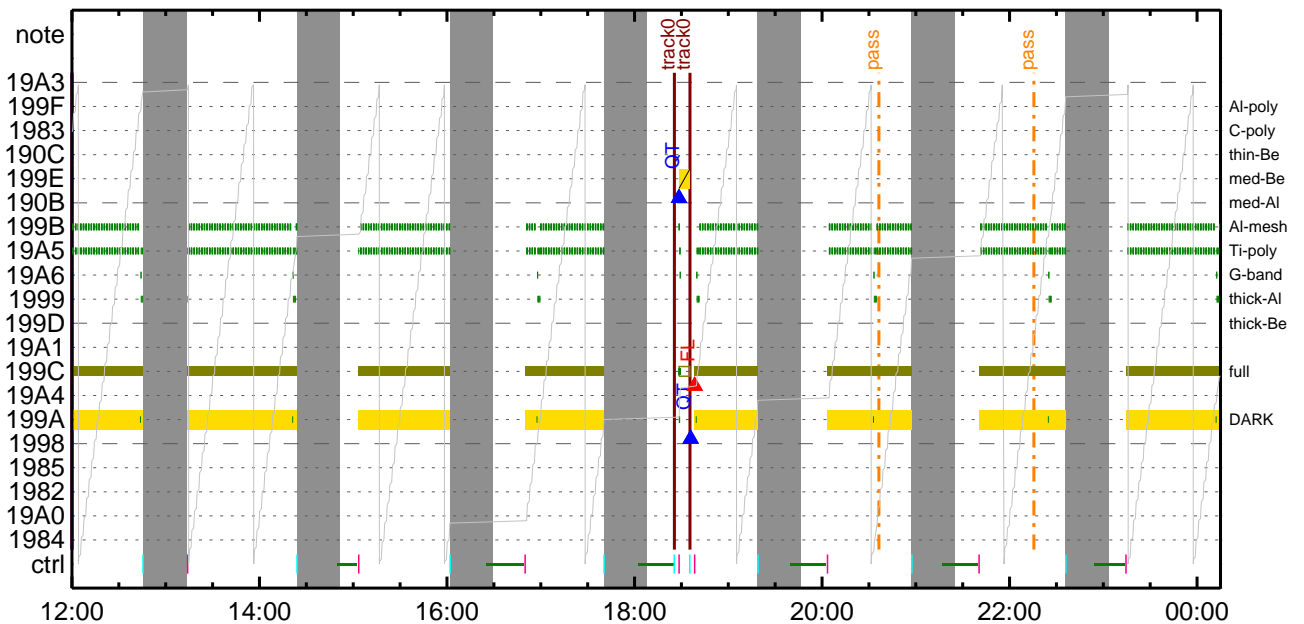
CMDI #0628 2013/07/28



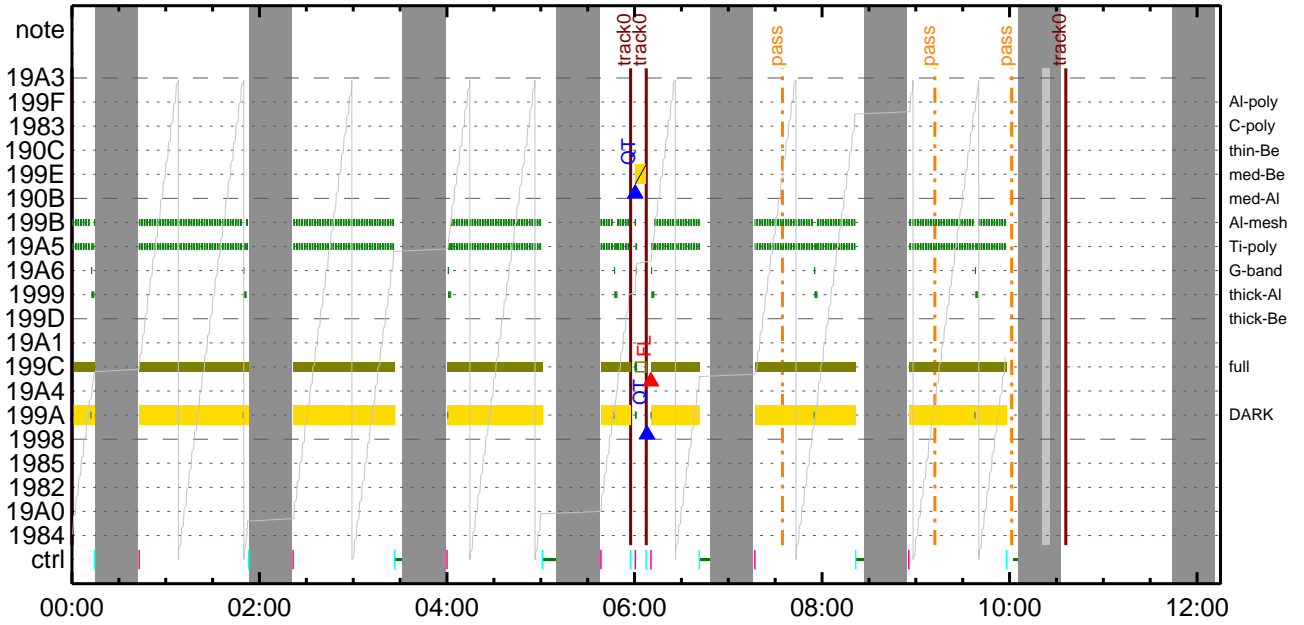
CMDI #0628 2013/07/29



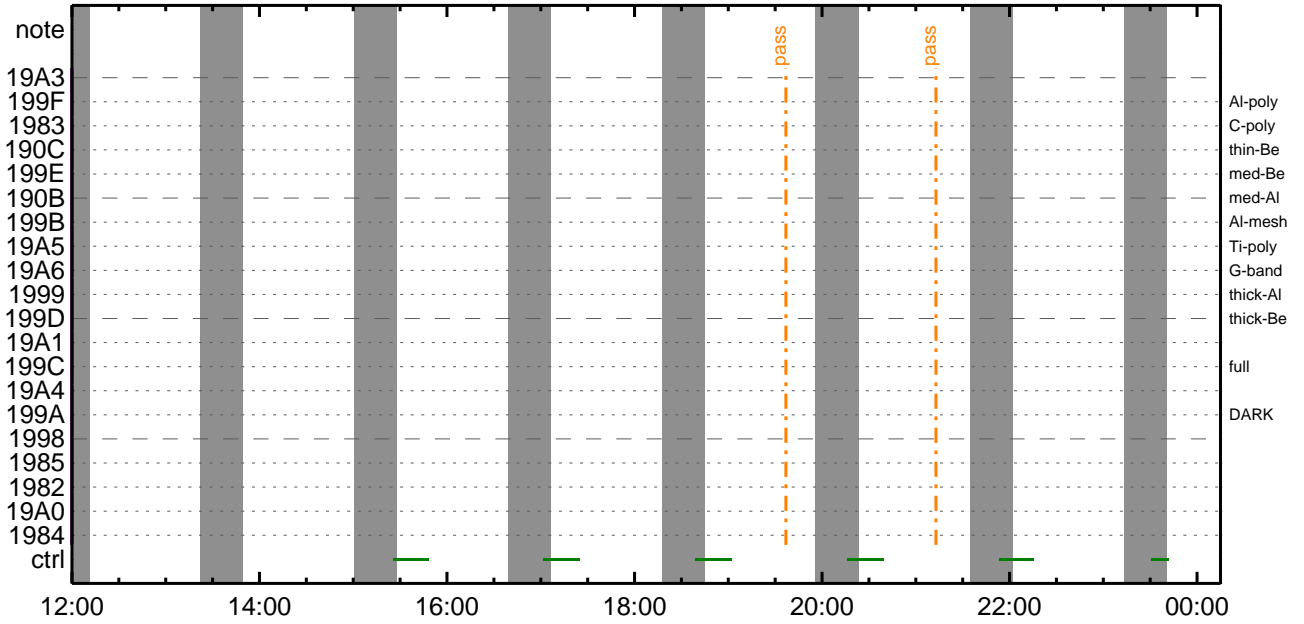
CMDI #0628 2013/07/29



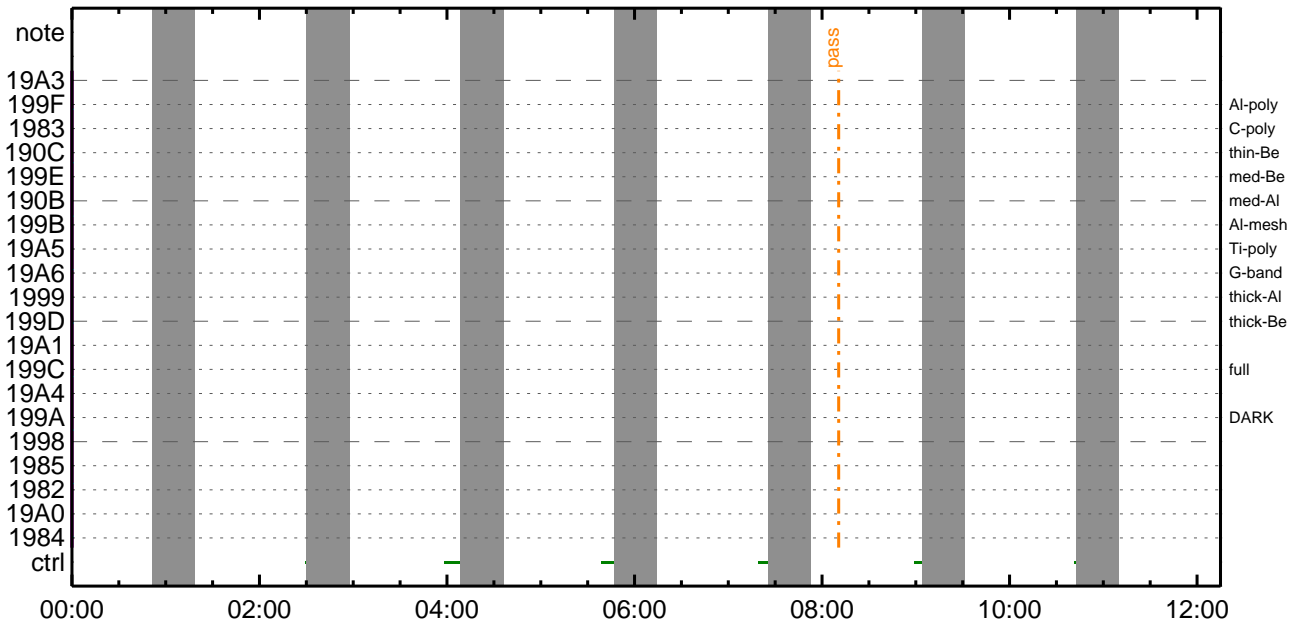
CMDI #0628 2013/07/30



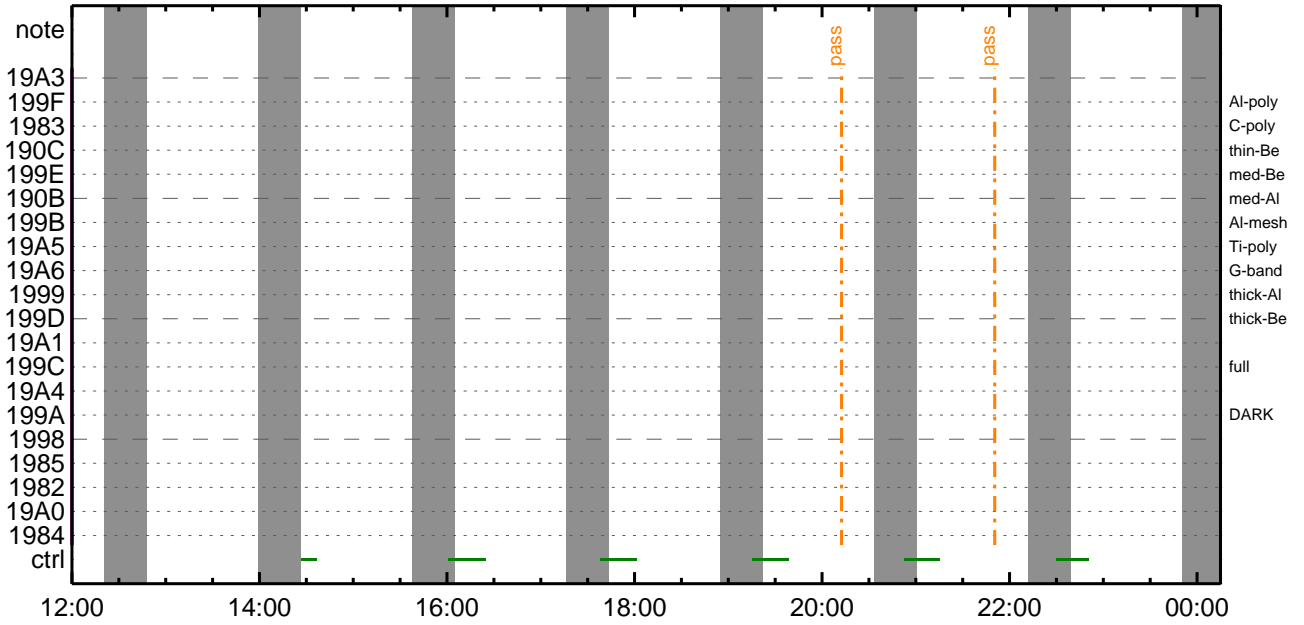
CMDI #0628 2013/07/30



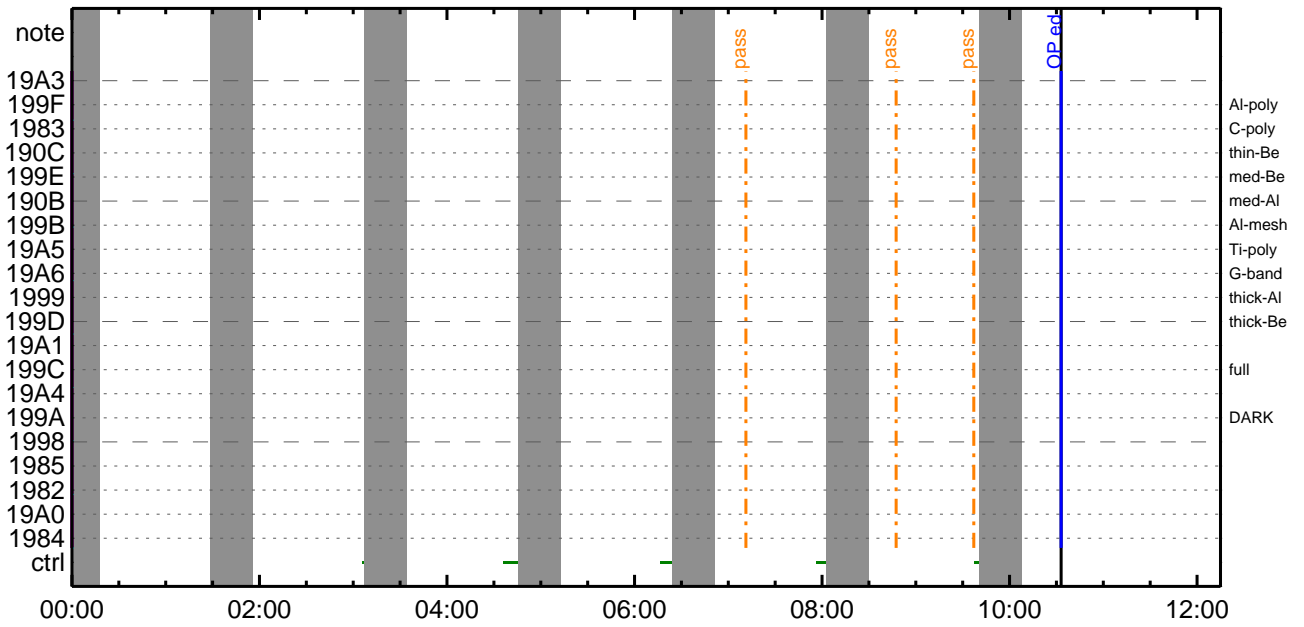
CMDI #0628 2013/07/31



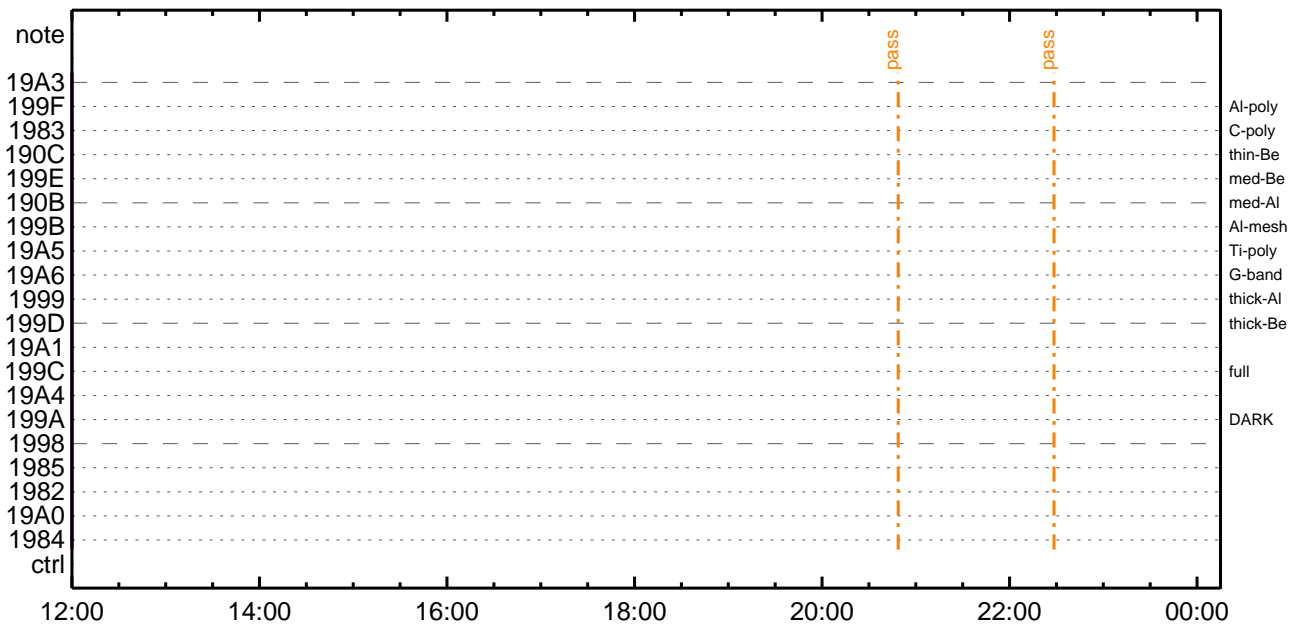
CMDI #0628 2013/07/31



CMDI #0628 2013/08/01



CMDI #0628 2013/08/01




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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOX
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-803:OP
0104 ( )
0105 S. OG og-803:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOX;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. YAYOXx½ªî»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. YAYOXx½ªî»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. YAYOXx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î½E¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** °E²¼òî½Ä´¶Á°EÉ¬ò°Á÷¿@ (¼âµ-YAYOXx½ê½çòðÁÓÆòÇ¼ª°¬òE¼î¹çòÇòâ) *****
0167 C. DHUYâ;4YE;E½Y½;Yî;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÷¿@NG²î½î¹ç;ç°E²¼òî½TI-CMDÁ÷¿@²î½Á¹Ôª°¬E²ò³òE;f
0180 C. ²²ò¿;çSET²EDUMPA²E±²î½Y¹ç¹Ôª²²ò³òE;f
0181 C.
0182 C. TIY³Y²Y½E²òðÁDî¿(UT)
0183 +. TI 2013-07-27 10:08:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2013-07-27 10:08:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2013-07-27 10:08:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

```


(a) Spacecraft Operation Procedure (real-commands)

```
main-805 2013-07-27 13:41:54 128 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èα¿αΑβ•μ°Ε»Í×ΑÇαÍYÇYÁY×YÍ;¼YÉ;ÈÈè%μ•ííÉ;ÈβÈ¼°ÇÔα•α¿¼í¹ÇαÍ;çÀ®, ùα¹αèαβαÇÁ+¿®α•αÈααα³αÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop FG table >
0018 +. DC 07-F0 MDP_FG_CTRL_MANU
0019 BC (51)
0020 . C. -----
0021 C. MDP_FG_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload FG Observation Table>
0025 . S. RAM ram-266:MDP_OBS_F
0026 ( )
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_F >
0029 +. DC 07-F0 MDP_DUMP_FGTBL
0030 BC (82 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_F verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 C. *****
0036 C. SOT TI command set
0037 C. *****
0038 C. Execute, after the success of TBL upload.
0039 +. TI 2013-07-27 10:12:18.0
0040 DC 07-F0 MDP_SOT_MODE_OBSV
0041 BC (40)
0042 . C. -----
0043 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0044 C. -----
0045 C.
0046 C.
0047 C. ***** XRT START *****
0048 C.
0049 +. DC 07-F0 MDP_XRT_CTRL_MANU
0050 BC (c1)
0051 + DC 07-F0 MDP_XRT_MODE_STBY
0052 BC (c3)
0053 . C. ----- Success Verify ? OK / NG_____
0054 C.
0055 C. XRT Obs. Table Upload
0056 . S. RAM ram-291:MDP_OBS_X
0057 ( )
0058 C.
0059 +. DC 07-F0 MDP_DUMP_XRTTBL
0060 BC (84 07 00 00 00 3a d4)
0061 . C. ----- Comparison Check ? OK / ERR _____
0062 C.
0063 C.
0064 +. DC 07-F0 MDP_XRT_ROI_SET
0065 BC (cd 01 b1 b1 04 04)
0066 + DC 07-F0 MDP_XRT_ROI_SET
0067 BC (cd 02 b1 b1 08 08)
0068 + DC 07-F0 MDP_XRT_ROI_SET
0069 BC (cd 03 b1 b1 08 08)
0070 + DC 07-F0 MDP_XRT_ROI_SET
0071 BC (cd 04 b1 b1 06 06)
0072 + DC 07-F0 MDP_XRT_ROI_SET
0073 BC (cd 05 85 83 06 06)
0074 + DC 07-F0 MDP_XRT_ROI_SET
0075 BC (cd 06 85 83 06 06)
0076 + DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 07 80 80 20 20)
0078 + DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 08 80 80 20 08)
0080 + DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 09 80 80 08 20)
0082 + DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 0f 80 80 06 06)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 10 80 80 08 08)
0086 + DC 07-F0 MDP_XRT_FLD_ENA
0087 BC (d8)
0088 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0089 BC (c8)
0090 + DC 07-F0 MDP_XRT_AEC_RESET
0091 BC (d0)
0092 + DC 07-F0 MDP_XRT_ARS_DIS
0093 BC (d5)
0094 + DC 07-F0 MDP_XRT_FLD_RESET
0095 BC (da)
```

```
0096 + DC 07-F0 MDP_XRT_QT_PROG_SET
0097 BC (c4 06)
0098 + DC 07-F0 MDP_XRT_FL_PROG_SET
0099 BC (c5 08)
0100 . C. ----- Success Verify ? OK / NG ____
0101 C.
0102 C.
0103 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0104 C.
0105 +. DC 07-F0 MDP_XRT_MODE_OBSV
0106 BC (c2)
0107 +. TI 2013-07-27 10:12:02.0
0108 DC 07-F0 MDP_XRT_MODE_OBSV
0109 BC (c2)
0110 . C. ----- Success Verify ? OK / NG ____
0111 C.
0112 C. ***** XRT END *****
0113 C.
0114 . C. ***** MDP `úÃîñî»ò¼ŷñÊÂðñ¹ñèDCBC•x²è *****
0115 C. (¼á°îŷÓŷÃŷÈŷŲŷËŷáŷçŷèñÊ¼ññ¼Â»Ûñ¹ñè)
0116 . S. DC-BC dcbc-402:DCBC
0117 (MDP_known_event)
0118 C.
0119 C.
0120 . C. ***** ŷDŷ¹•İ Daily±¿İÑñÊ´Øñ¹ñèDCBC•x²è *****
0121 . S. DC-BC dcbc-153:DCBC
0122 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0123 C.
0124 C.
0125 . C. ¡ãLOSŷÁŷŲŷÃŷ-¼Â»Û¿ä
0126 C.
0127 . C. ***** LOS *****
0128 C.
```

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*** OP Sequence for XRT ***

| | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|
| 2013/07/27 | 10:22:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/27 | 10:22:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2013/07/27 | 10:23:00.0 | AOCS_Ore-point_Start_1_OG [0x097] | | | |
| | | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 |
| 2013/07/27 | 10:23:16.0 | XRT_FLD_ENA_411_OG [0x19b] | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2013/07/27 | 10:23:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2013/07/27 | 10:23:20.0 | XRT_AEC_RESET_413_OG [0x19d] | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2013/07/27 | 10:23:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2013/07/27 | 10:23:24.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/27 | 10:23:26.0 | XRT_QT_PROG_SET_401_OG [0x191] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06 |
| 2013/07/27 | 10:25:58.0 | XRT_FL_PROG_SET_431_OG [0x1af] | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08 |
| 2013/07/27 | 10:26:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/27 | 11:31:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/27 | 11:31:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/27 | 11:31:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/27 | 11:34:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/27 | 11:59:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/27 | 12:00:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/27 | 13:09:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/27 | 13:09:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/27 | 13:09:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/27 | 13:12:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/27 | 13:37:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/27 | 13:38:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/27 | 14:48:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/27 | 14:48:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/27 | 14:48:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/27 | 14:51:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/27 | 15:36:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/27 | 15:37:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/27 | 16:26:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/27 | 16:26:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/27 | 16:26:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/27 | 16:29:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/27 | 17:13:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/27 | 17:14:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/27 | 17:51:24.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/27 | 17:51:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2013/07/27 | 17:51:30.0 | AOCS_Ore-point_Start_2_OG [0x098] | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 |
| 2013/07/27 | 17:51:46.0 | XRT_FLD_DIS_434_OG [0x1b2] | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2013/07/27 | 17:54:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2013/07/27 | 17:54:26.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2013/07/27 | 17:54:28.0 | XRT_QT_PROG_SET_445_OG [0x1bd] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 |
| 2013/07/27 | 17:54:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/27 | 18:01:24.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/27 | 18:01:26.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/27 | 18:01:28.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/27 | 18:01:30.0 | AOCS_Ore-point_Start_1_OG [0x097] | | | |
| | | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 |
| 2013/07/27 | 18:04:38.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |

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| | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|-------------|
| 2013/07/27 | 18:47:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/27 | 18:47:26.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2013/07/27 | 18:47:46.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2013/07/27 | 18:47:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2013/07/27 | 18:47:50.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2013/07/27 | 18:47:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2013/07/27 | 18:47:54.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/27 | 18:47:56.0 | XRT_QT_PROG_SET_401_OG [0x191] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06 |
| 2013/07/27 | 18:50:28.0 | XRT_FL_PROG_SET_431_OG [0x1af] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08 |
| 2013/07/27 | 18:50:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/27 | 19:43:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/27 | 19:43:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/27 | 19:43:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/27 | 19:46:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/27 | 20:27:00.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2013/07/27 | 20:28:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/27 | 21:22:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/27 | 21:22:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/27 | 21:22:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/27 | 21:25:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/27 | 22:03:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2013/07/27 | 22:04:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/27 | 23:00:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/27 | 23:00:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/27 | 23:00:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/27 | 23:03:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/27 | 23:32:00.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2013/07/27 | 23:33:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/28 | 00:39:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/28 | 00:39:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/28 | 00:39:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/28 | 00:42:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/28 | 01:06:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2013/07/28 | 01:07:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/28 | 02:17:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/28 | 02:17:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/28 | 02:17:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/28 | 02:20:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/28 | 02:45:00.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2013/07/28 | 02:46:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/28 | 03:45:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/28 | 03:45:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/28 | 03:45:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/28 | 03:48:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/28 | 04:23:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2013/07/28 | 04:24:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/28 | 05:26:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/28 | 05:26:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/28 | 05:26:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |

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|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2013/07/28 | 05:29:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/28 | 06:02:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/28 | 06:03:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/28 | 06:06:24.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/28 | 06:06:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2013/07/28 | 06:06:30.0 | AOCS_Ore-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2013/07/28 | 06:06:46.0 | XRT_FLD_DIS_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2013/07/28 | 06:09:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2013/07/28 | 06:09:26.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2013/07/28 | 06:09:28.0 | XRT_QT_PROG_SET_445_OG [0x1bd] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | | | | |
| 2013/07/28 | 06:09:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/28 | 06:16:24.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/28 | 06:16:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2013/07/28 | 06:16:46.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2013/07/28 | 06:16:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2013/07/28 | 06:16:50.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2013/07/28 | 06:16:52.0 | XRT_ARS_DIS_417_OG [0x1a1] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2013/07/28 | 06:19:24.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/28 | 06:19:26.0 | XRT_QT_PROG_SET_438_OG [0x1b6] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0c | | | | |
| 2013/07/28 | 06:19:28.0 | XRT_FL_PROG_SET_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08 | | | | |
| 2013/07/28 | 06:19:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/28 | 07:06:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/28 | 07:06:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/28 | 07:06:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/28 | 07:09:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/28 | 07:40:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/28 | 07:41:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/28 | 08:46:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/28 | 08:46:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/28 | 08:46:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/28 | 08:49:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/28 | 09:16:30.0 | AOCS_Ore-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 | | | | |
| 2013/07/28 | 09:16:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/28 | 09:16:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2013/07/28 | 09:17:16.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2013/07/28 | 09:17:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2013/07/28 | 09:17:20.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2013/07/28 | 09:17:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2013/07/28 | 09:17:24.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/28 | 09:17:26.0 | XRT_QT_PROG_SET_401_OG [0x191] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06 | | | | |
| 2013/07/28 | 09:19:58.0 | XRT_FL_PROG_SET_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08 | | | | |
| 2013/07/28 | 09:20:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/28 | 10:28:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/28 | 10:28:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/28 | 10:28:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/28 | 10:31:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/28 | 10:57:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/28 | 10:58:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |

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|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2013/07/28 | 12:08:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/28 | 12:08:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/28 | 12:08:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/28 | 12:11:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/28 | 12:36:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/28 | 12:37:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/28 | 13:46:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/28 | 13:46:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/28 | 13:46:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/28 | 13:49:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/28 | 14:23:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/28 | 14:24:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/28 | 15:25:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/28 | 15:25:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/28 | 15:25:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/28 | 15:28:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/28 | 16:12:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/28 | 16:13:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/28 | 17:03:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/28 | 17:03:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/28 | 17:03:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/28 | 17:06:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/28 | 17:49:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/28 | 17:50:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/28 | 18:05:24.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/28 | 18:05:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2013/07/28 | 18:05:30.0 | AOCS_OrE-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2013/07/28 | 18:05:46.0 | XRT_FLD_DIS_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2013/07/28 | 18:08:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2013/07/28 | 18:08:26.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2013/07/28 | 18:08:28.0 | XRT_QT_PROG_SET_445_OG [0x1bd] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | | | | |
| 2013/07/28 | 18:08:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/28 | 18:15:24.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/28 | 18:15:26.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2013/07/28 | 18:15:30.0 | AOCS_OrE-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 | | | | |
| 2013/07/28 | 18:15:46.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2013/07/28 | 18:15:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2013/07/28 | 18:15:50.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2013/07/28 | 18:15:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2013/07/28 | 18:15:54.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/28 | 18:15:56.0 | XRT_QT_PROG_SET_401_OG [0x191] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06 | | | | |
| 2013/07/28 | 18:18:28.0 | XRT_FL_PROG_SET_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08 | | | | |
| 2013/07/28 | 18:18:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/28 | 18:42:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/28 | 18:42:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/28 | 18:42:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/28 | 18:45:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/28 | 19:26:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/28 | 19:27:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |

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|------------|------------|-----------------------------------|---|-------|----------------|
| 2013/07/28 | 20:20:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/28 | 20:20:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/28 | 20:20:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/28 | 20:23:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/28 | 21:03:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/28 | 21:04:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/28 | 21:59:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/28 | 21:59:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/28 | 21:59:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/28 | 22:02:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/28 | 22:39:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/28 | 22:40:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/28 | 23:37:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/28 | 23:37:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/28 | 23:37:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/28 | 23:40:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/29 | 00:05:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/29 | 00:06:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/29 | 01:16:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/29 | 01:16:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/29 | 01:16:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/29 | 01:19:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/29 | 01:43:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/29 | 01:44:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/29 | 02:53:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/29 | 02:53:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/29 | 02:53:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/29 | 02:56:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/29 | 03:22:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/29 | 03:23:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/29 | 04:23:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/29 | 04:23:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2013/07/29 | 04:23:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2013/07/29 | 04:26:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2013/07/29 | 05:00:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2013/07/29 | 05:01:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/29 | 05:35:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/29 | 05:35:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2013/07/29 | 05:36:00.0 | AOCS_OrE-point_Start_2_OG [0x098] | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 |
| 2013/07/29 | 05:36:16.0 | XRT_FLD_DIS_434_OG [0x1b2] | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2013/07/29 | 05:38:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2013/07/29 | 05:38:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2013/07/29 | 05:38:58.0 | XRT_QT_PROG_SET_445_OG [0x1bd] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 |
| 2013/07/29 | 05:39:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2013/07/29 | 05:45:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2013/07/29 | 05:45:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2013/07/29 | 05:46:00.0 | AOCS_OrE-point_Start_1_OG [0x097] | | | |
| | | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 |
| 2013/07/29 | 05:46:16.0 | XRT_FLD_ENA_411_OG [0x19b] | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2013/07/29 | 05:46:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2013/07/29 | 05:46:20.0 | XRT_AEC_RESET_413_OG [0x19d] | | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----|----|----------|
| 2013/07/29 | 05:46:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| | | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2013/07/29 | 05:46:24.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2013/07/29 | 05:46:26.0 | XRT_QT_PROG_SET_401_OG [0x191] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 06 | |
| 2013/07/29 | 05:48:58.0 | XRT_FL_PROG_SET_431_OG [0x1af] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 08 | |
| 2013/07/29 | 05:49:00.5 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2013/07/29 | 06:04:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2013/07/29 | 06:04:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2013/07/29 | 06:04:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2013/07/29 | 06:07:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2013/07/29 | 06:39:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | |
| 2013/07/29 | 06:40:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2013/07/29 | 07:44:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2013/07/29 | 07:44:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2013/07/29 | 07:44:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2013/07/29 | 07:47:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2013/07/29 | 08:17:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | |
| 2013/07/29 | 08:18:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2013/07/29 | 09:24:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2013/07/29 | 09:24:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2013/07/29 | 09:24:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2013/07/29 | 09:27:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2013/07/29 | 09:46:00.0 | AOCS_Ore-point_Start_3_OG [0x099] | AOCU_NM | 5 | 02-76 | 00 | 0f | 74 af 13 |
| 2013/07/29 | 09:53:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2013/07/29 | 09:53:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 00 |
| 2013/07/29 | 09:54:16.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | |
| 2013/07/29 | 09:54:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | |
| 2013/07/29 | 09:54:20.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| 2013/07/29 | 09:54:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2013/07/29 | 09:54:24.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2013/07/29 | 09:54:26.0 | XRT_QT_PROG_SET_401_OG [0x191] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 06 | |
| 2013/07/29 | 09:56:58.0 | XRT_FL_PROG_SET_431_OG [0x1af] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 08 | |
| 2013/07/29 | 09:57:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2013/07/29 | 11:07:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2013/07/29 | 11:07:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2013/07/29 | 11:07:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2013/07/29 | 11:10:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2013/07/29 | 11:34:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | |
| 2013/07/29 | 11:35:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2013/07/29 | 12:45:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2013/07/29 | 12:45:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2013/07/29 | 12:45:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2013/07/29 | 12:48:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2013/07/29 | 13:13:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | |
| 2013/07/29 | 13:14:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2013/07/29 | 14:24:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2013/07/29 | 14:24:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2013/07/29 | 14:24:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2013/07/29 | 14:27:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |

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|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2013/07/30 | 00:14:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/30 | 00:14:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/30 | 00:14:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/30 | 00:17:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/30 | 00:42:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/30 | 00:43:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/30 | 01:53:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/30 | 01:53:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/30 | 01:53:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/30 | 01:56:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/30 | 02:20:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/30 | 02:21:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/30 | 03:26:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/30 | 03:26:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/30 | 03:26:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/30 | 03:29:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/30 | 03:59:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/30 | 04:00:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/30 | 05:01:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/30 | 05:01:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/30 | 05:01:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/30 | 05:04:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/30 | 05:37:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/30 | 05:38:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/30 | 05:57:24.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/30 | 05:57:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2013/07/30 | 05:57:30.0 | AOCS_OrE-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2013/07/30 | 05:57:46.0 | XRT_FLD_DIS_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2013/07/30 | 06:00:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2013/07/30 | 06:00:26.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2013/07/30 | 06:00:28.0 | XRT_QT_PROG_SET_445_OG [0x1bd] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | | | | |
| 2013/07/30 | 06:00:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/30 | 06:07:24.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/30 | 06:07:26.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2013/07/30 | 06:07:30.0 | AOCS_OrE-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 0f 74 af 13 | | | | |
| 2013/07/30 | 06:07:46.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2013/07/30 | 06:07:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2013/07/30 | 06:07:50.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2013/07/30 | 06:07:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2013/07/30 | 06:07:54.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/30 | 06:07:56.0 | XRT_QT_PROG_SET_401_OG [0x191] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06 | | | | |
| 2013/07/30 | 06:10:28.0 | XRT_FL_PROG_SET_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08 | | | | |
| 2013/07/30 | 06:10:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/30 | 06:41:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/30 | 06:41:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/30 | 06:41:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/30 | 06:44:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/30 | 07:16:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/30 | 07:17:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |

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|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2013/07/30 | 08:21:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/30 | 08:21:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/30 | 08:21:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/30 | 08:24:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/30 | 08:54:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2013/07/30 | 08:55:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2013/07/30 | 09:58:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2013/07/30 | 09:58:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2013/07/30 | 09:58:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2013/07/30 | 10:01:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2013/07/30 | 10:36:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |