

XRT Timeline to be uploaded on 2015/04/18

Period: 2015/04/18 10:08:00 - 2015/04/23 10:22:00

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Normal mode

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XOB #1A38: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, thin-Be, thick-Al, and Al/Poly context, with G-band (33ms)

| Term | Pointing (x, y) | Comment |
|---------------------------------|---|-------------------------------------|
| 04/18 10:21:00 - 04/18 10:58:30 | Track (268.6, 259.0) ^{@ 04/18 10:18:00} | # OP start + 10min Track AR 12321 |
| 04/18 16:11:00 - 04/18 17:32:00 | Track (317.9, 257.2) ^{@ 04/18 16:00:00} | # Track AR 12321 |
| 04/18 18:25:30 - 04/19 01:41:00 | Track (338.1, 256.3) ^{@ 04/18 18:22:30} | # Track AR 12321 |

PROG= 04 Inf.-time(s)

- Subr= 1 1-time(s) 2.0sec
 - Seqn= 8 2-time(s) 2.0sec
 - Open/G-band Open/G-band close Safe Norm 44ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
- Subr= 2 2-time(s) 2.0sec
 - Seqn= 24 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 32ms Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
 - Seqn= 42 4-time(s) 2.0sec
 - Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
 - thin-Be/Open med-Be/Open close Safe Norm 5.66s Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec
 - Open/thick-Al Open/thick-Al close Safe Norm 16.0s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
 - Seqn= 62 60-time(s) 30.0sec
 - thin-Be/Open med-Be/Open close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
 - Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
 - thin-Be/Open med-Be/Open close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 1 2.0sec
 - Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 1 2.0sec
 - thin-Be/Open med-Be/Open close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 2 2.0sec
 - Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 2 2.0sec

Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

XOB #1A6D: CME watch - 4x4 - AEC 2 - Be-thin - G-band (2x2,8ms) - Leak (33ms) - 30s cad

| Term | Pointing (x, y) | Comment |
|---------------------------------|-------------------------|------------------|
| 04/18 11:17:30 - 04/18 11:30:24 | Fixed (936.0, 0.0) | HOP130 PTG#01/15 |
| 04/18 11:33:30 - 04/18 11:46:24 | Fixed (468.0, 0.0) | HOP130 PTG#02/15 |
| 04/18 11:49:30 - 04/18 12:02:24 | Fixed (0.0, 0.0) | HOP130 PTG#03/15 |
| 04/18 12:05:30 - 04/18 12:18:24 | Fixed (-468.0, 0.0) | HOP130 PTG#04/15 |
| 04/18 12:21:30 - 04/18 12:37:00 | Fixed (-936.0, 0.0) | HOP130 PTG#05/15 |
| 04/18 12:56:00 - 04/18 13:02:54 | Fixed (815.0, 470.0) | HOP130 PTG#06/15 |
| 04/18 13:06:00 - 04/18 13:18:54 | Fixed (411.0, 847.0) | HOP130 PTG#07/15 |
| 04/18 13:22:00 - 04/18 13:34:54 | Fixed (0.0, 941.0) | HOP130 PTG#08/15 |
| 04/18 13:38:00 - 04/18 13:50:54 | Fixed (-411.0, 847.0) | HOP130 PTG#09/15 |
| 04/18 13:54:00 - 04/18 14:00:54 | Fixed (-815.0, 470.0) | HOP130 PTG#10/15 |
| 04/18 14:04:00 - 04/18 14:53:54 | Fixed (815.0, -470.0) | HOP130 PTG#11/15 |
| 04/18 14:57:00 - 04/18 15:09:54 | Fixed (411.0, -847.0) | HOP130 PTG#12/15 |
| 04/18 15:13:00 - 04/18 15:25:54 | Fixed (0.0, -941.0) | HOP130 PTG#13/15 |
| 04/18 15:29:00 - 04/18 15:41:54 | Fixed (-411.0, -847.0) | HOP130 PTG#14/15 |
| 04/18 15:45:00 - 04/18 15:54:00 | Fixed (-815.0, -471.0) | HOP130 PTG#15/15 |

PROG= 20 Inf.-time(s)

- Subr= 1 120-time(s) 30.0sec
 - Seqn= 29 1-time(s) 4.0sec
 - thin-Be/Open med-Be/Open close Safe Norm 1.41s Obs 4x4 2048x2048 (1024, 1024) Q=98 2 0 2.0sec
- Subr= 2 1-time(s) 2.0sec
 - Seqn= 6 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) Q=95 0 0 2.0sec

Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

XOB #1A6B: Synoptic 8 Filter w/ Al-mesh(8/128/1024), Ti-poly(16/362/2048), Thin-Be(88/1024/5795) - Thick-Be(65536), Al-poly+Ti-poly(256/2048), Al-poly(45)

| Term | Pointing (x, y) | Comment |
|---------------------------------|-------------------|----------------------------|
| 04/18 18:15:30 - 04/18 18:22:24 | Fixed (0.0, 0.0) | synoptic, shifted 12.5 min |

PROG= 01 1-time(s)

- Subr= 1 1-time(s) 12.0sec
 - Seqn= 33 1-time(s) 4.0sec
 - Open/Al-mesh Open/Al-mesh close Safe Norm 8ms 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 1.00s 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= 40 1-time(s) 4.0sec
 - Open/Ti-poly Open/Ti-poly close Safe Norm 16ms 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 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec

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Flare mode

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XOB #1A77: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Al/thick), AEC 3(thin-Be AEC2), 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512

| Term | Pointing (x, y) | Comment |
|---------------------------------|---|-------------------------------------|
| 04/18 10:21:00 - 04/18 10:58:30 | Track (268.6, 259.0) ^{Ⓜ 04/18 10:18:00} | # OP start + 10min Track AR 12321 |
| 04/18 11:17:30 - 04/18 11:30:24 | Fixed (936.0, 0.0) | HOP130 PTG#01/15 |
| 04/18 11:33:30 - 04/18 11:46:24 | Fixed (468.0, 0.0) | HOP130 PTG#02/15 |
| 04/18 11:49:30 - 04/18 12:02:24 | Fixed (0.0, 0.0) | HOP130 PTG#03/15 |
| 04/18 12:05:30 - 04/18 12:18:24 | Fixed (-468.0, 0.0) | HOP130 PTG#04/15 |
| 04/18 12:21:30 - 04/18 12:37:00 | Fixed (-936.0, 0.0) | HOP130 PTG#05/15 |
| 04/18 12:56:00 - 04/18 13:02:54 | Fixed (815.0, 470.0) | HOP130 PTG#06/15 |
| 04/18 13:06:00 - 04/18 13:18:54 | Fixed (411.0, 847.0) | HOP130 PTG#07/15 |
| 04/18 13:22:00 - 04/18 13:34:54 | Fixed (0.0, 941.0) | HOP130 PTG#08/15 |
| 04/18 13:38:00 - 04/18 13:50:54 | Fixed (-411.0, 847.0) | HOP130 PTG#09/15 |
| 04/18 13:54:00 - 04/18 14:00:54 | Fixed (-815.0, 470.0) | HOP130 PTG#10/15 |
| 04/18 14:04:00 - 04/18 14:53:54 | Fixed (815.0, -470.0) | HOP130 PTG#11/15 |
| 04/18 14:57:00 - 04/18 15:09:54 | Fixed (411.0, -847.0) | HOP130 PTG#12/15 |
| 04/18 15:13:00 - 04/18 15:25:54 | Fixed (0.0, -941.0) | HOP130 PTG#13/15 |
| 04/18 15:29:00 - 04/18 15:41:54 | Fixed (-411.0, -847.0) | HOP130 PTG#14/15 |
| 04/18 15:45:00 - 04/18 15:54:00 | Fixed (-815.0, -471.0) | HOP130 PTG#15/15 |
| 04/18 16:11:00 - 04/18 17:32:00 | Track (317.9, 257.2) ^{Ⓜ 04/18 16:00:00} | # Track AR 12321 |
| 04/18 18:25:30 - 04/19 01:41:00 | Track (338.1, 256.3) ^{Ⓜ 04/18 18:22:30} | # Track AR 12321 |

PROG= 02 30-time(s)

| Subr= | 1-time(s) | 20-time(s) | 2.0sec | | | | | | | | | | |
|----------------|------------------------|------------|--------|-------|------|-----|----------------------|--------------------|-------|------------|----------|--|--|
| Subr= 1 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| Seqn= 11 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| Al-poly/Open | Al-poly/thick-Al close | Safe | Norm | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec | | |
| Seqn=100 | 1-time(s) | 10.0sec | | | | | | | | | | | |
| thin-Be/Open | med-Be/Open close | Safe | Norm | 125ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec | | |
| med-Be/Open | Open/thick-Al close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec | | |
| Open/thick-Al | Open/thick-Be close | Safe | Norm | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec | | |
| Subr= 2 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| Seqn= 10 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| med-Al/Open | med-Al/thick-Al close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec | | |
| Open/thick-Be | Open/thick-Be close | Safe | Norm | 2.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec | | |
| Seqn= 11 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| Al-poly/Open | Al-poly/thick-Al close | Safe | Norm | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec | | |
| Seqn= 38 | 1-time(s) | 2.0sec | | | | | | | | | | | |
| Open/G-band | Open/G-band open | Safe | Norm | 32ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec | | |
| Open/thick-Al | Open/thick-Al close | Safe | Dark | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec | | |
| Open/thick-Al | Open/thick-Al close | Safe | Dark | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec | | |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | | |

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Active Region Search

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NOT USED

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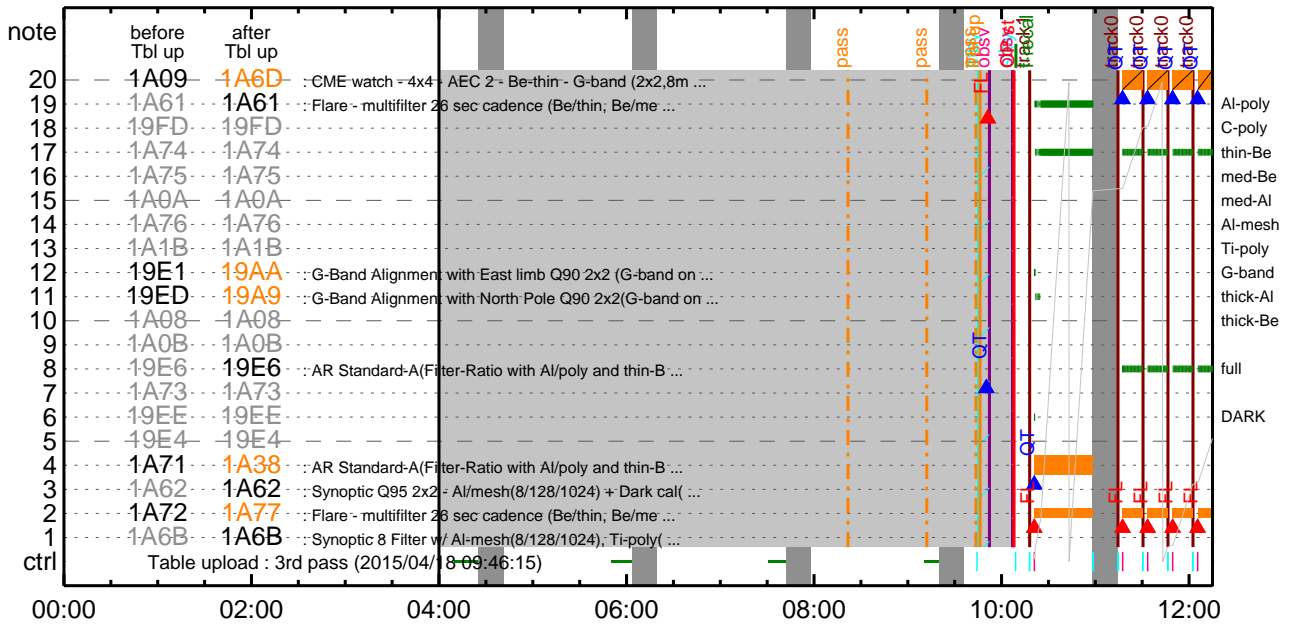
Flare Detection

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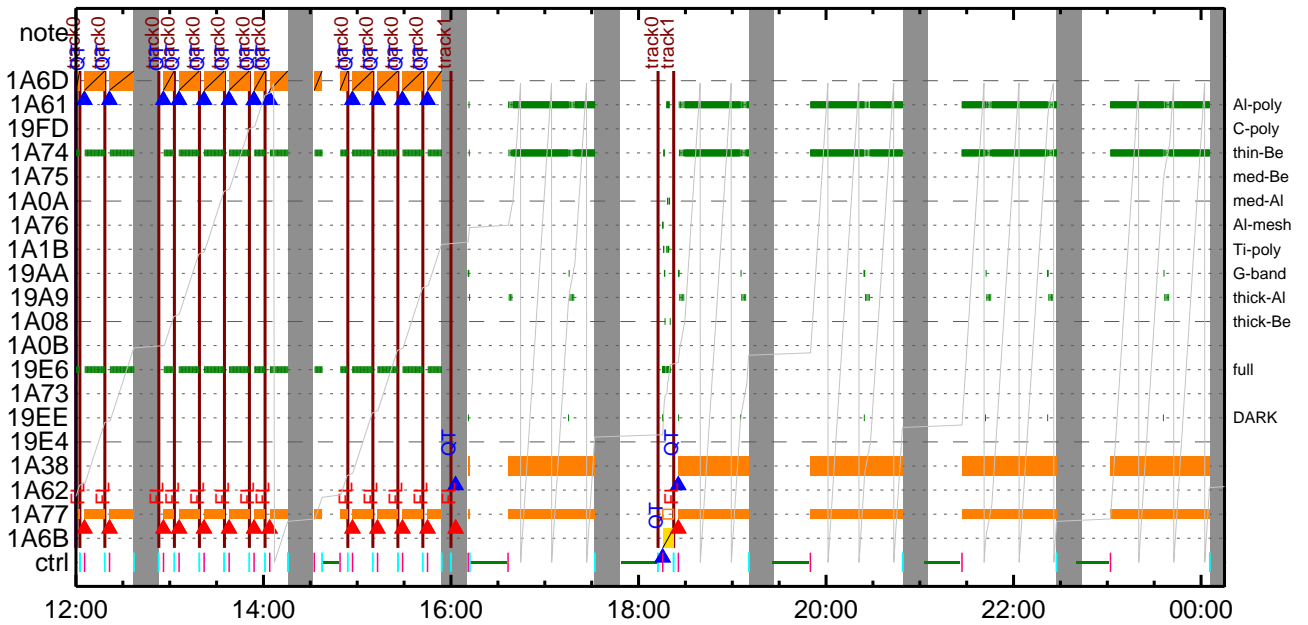
FLD Patrol

| Term | Pointing (x, y) | Comment |
|---------------------------------|---|--|
| 04/18 18:22:48 - 04/19 02:00:18 | Track (338.1, 256.3) ^{Ⓜ 04/18 18:22:30} | # Track AR 12321 |
| 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 |

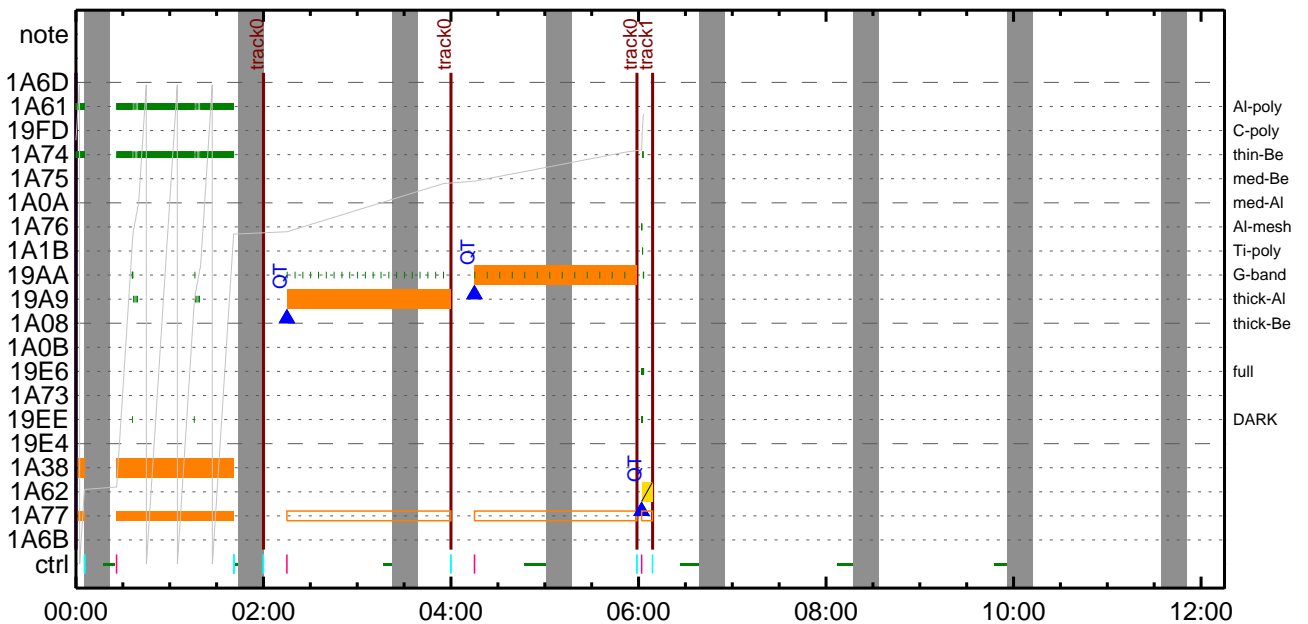
CMDI #0068 2015/04/18



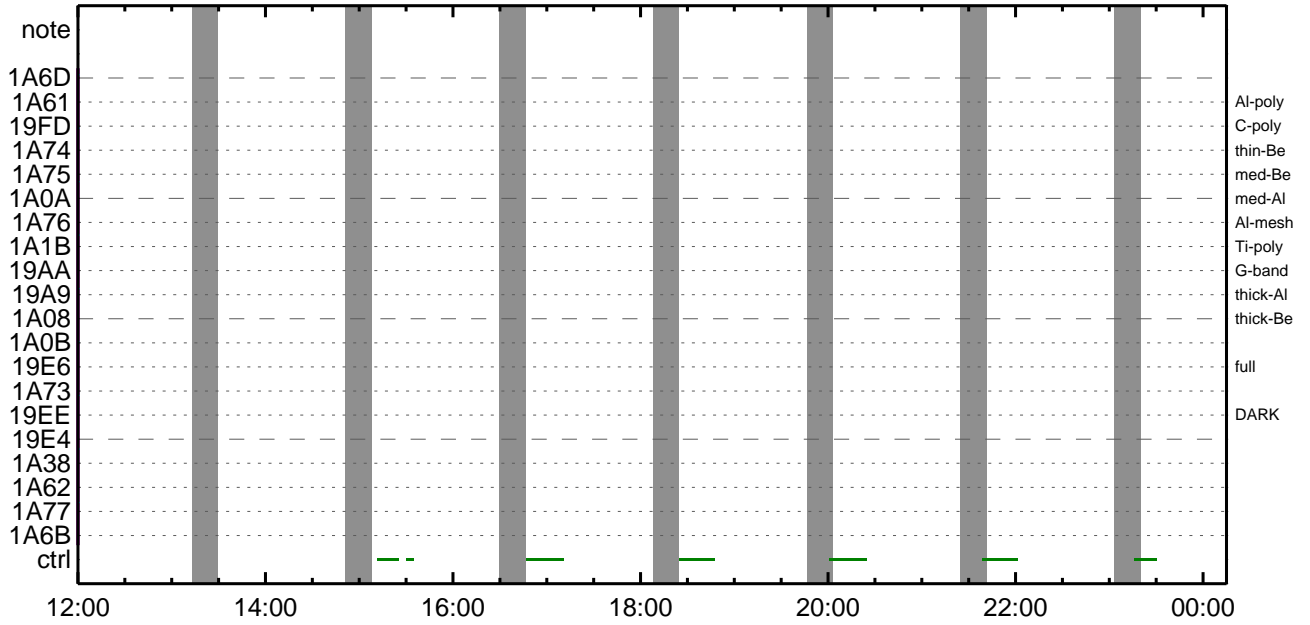
CMDI #0068 2015/04/18



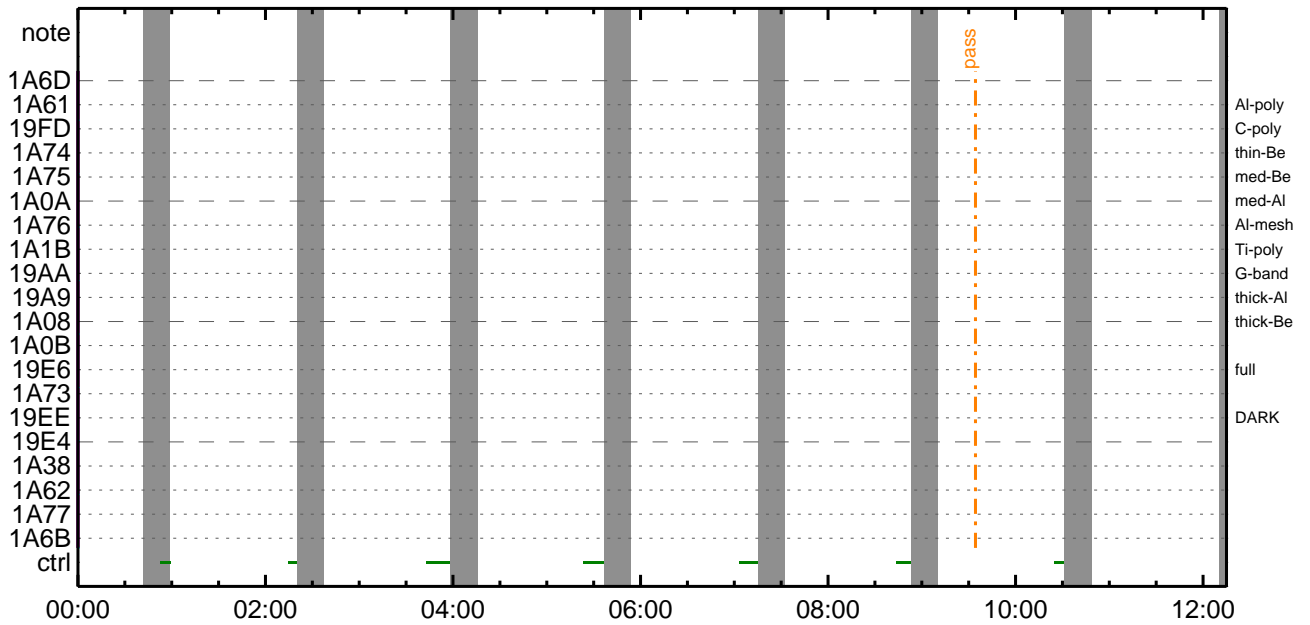
CMDI #0068 2015/04/19



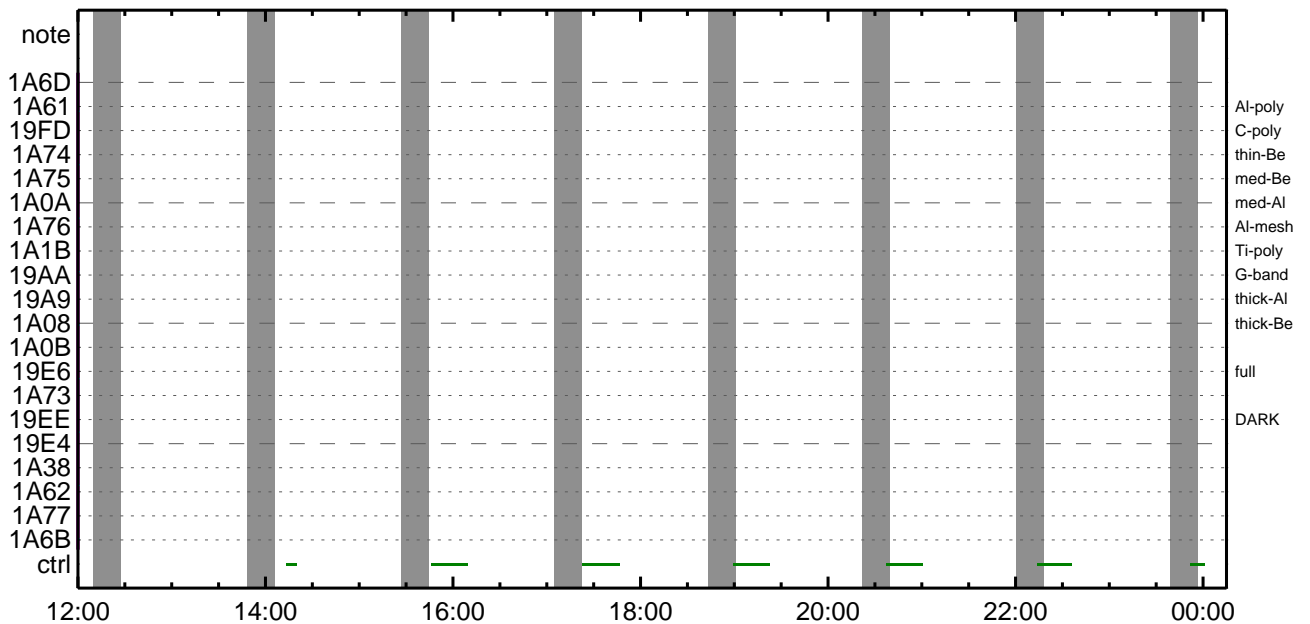
CMDI #0068 2015/04/19



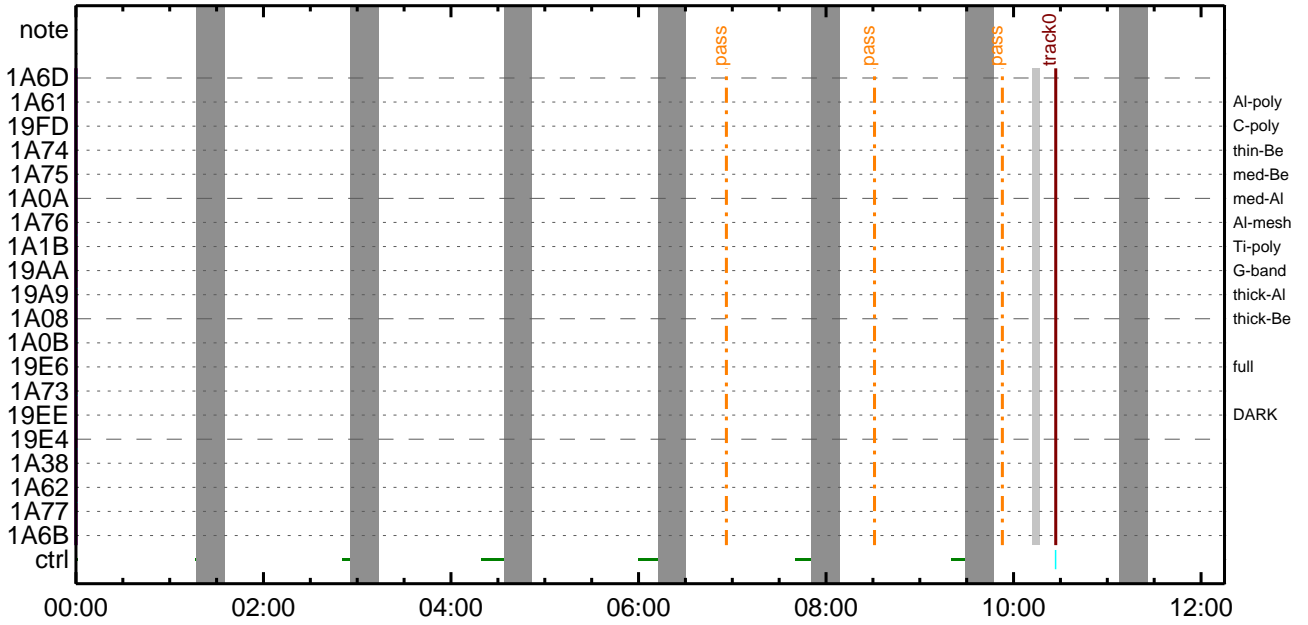
CMDI #0068 2015/04/20



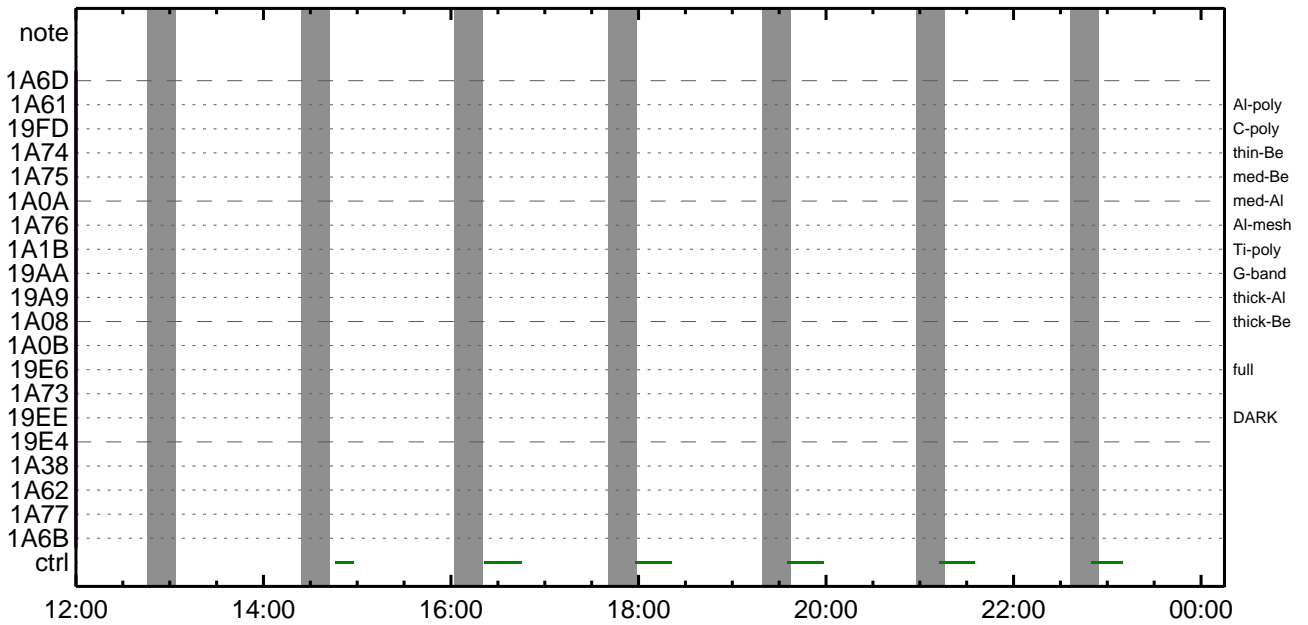
CMDI #0068 2015/04/20



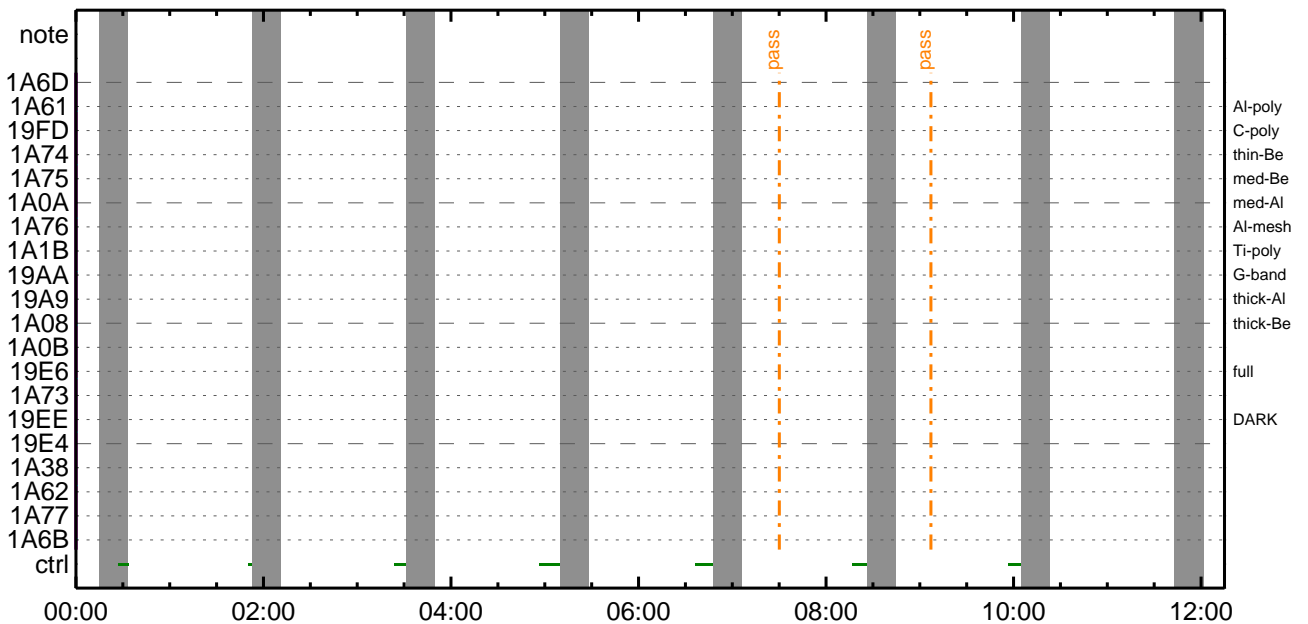
CMDI #0068 2015/04/21



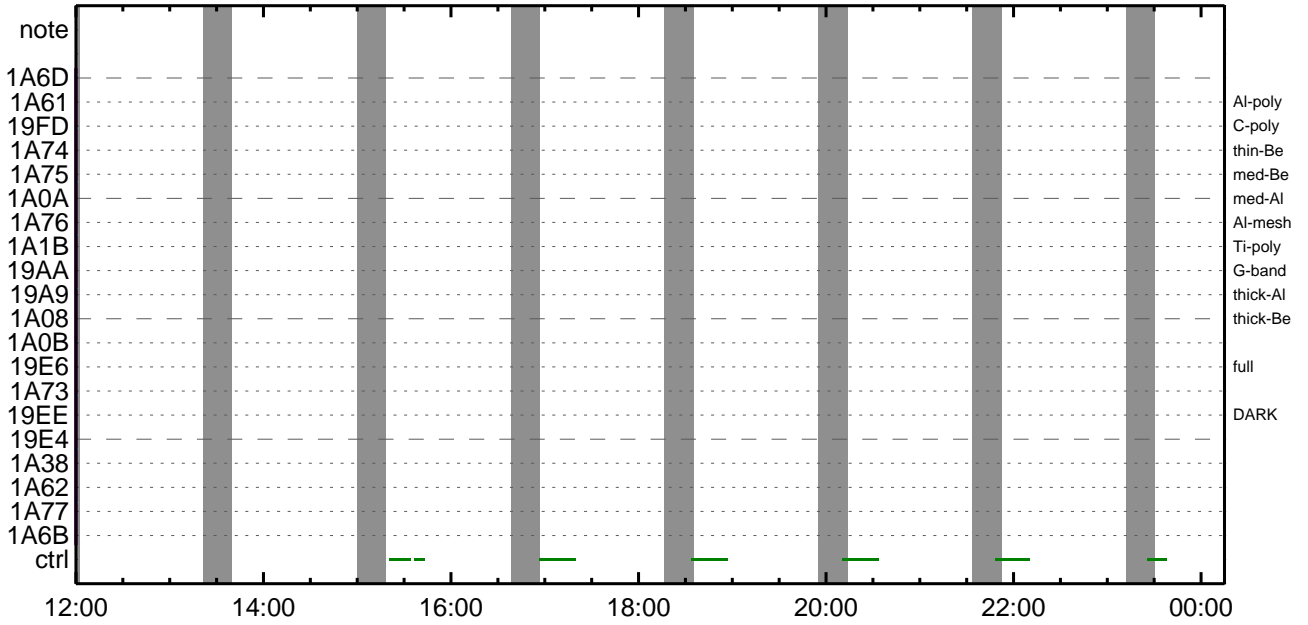
CMDI #0068 2015/04/21



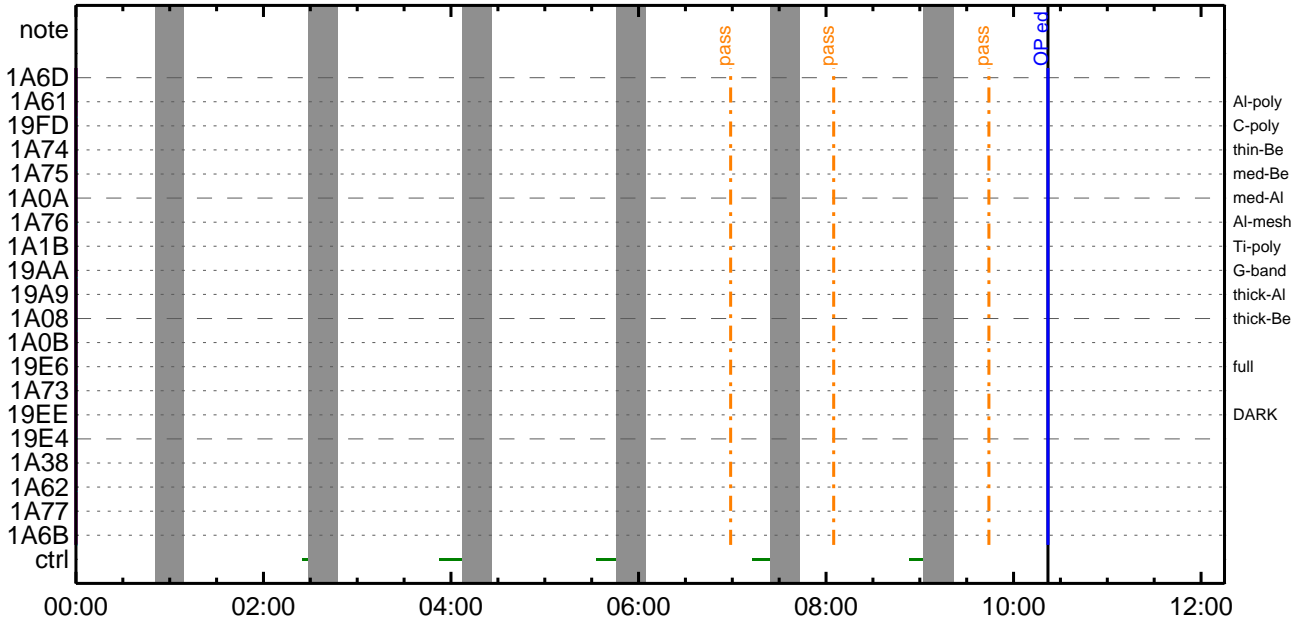
CMDI #0068 2015/04/22



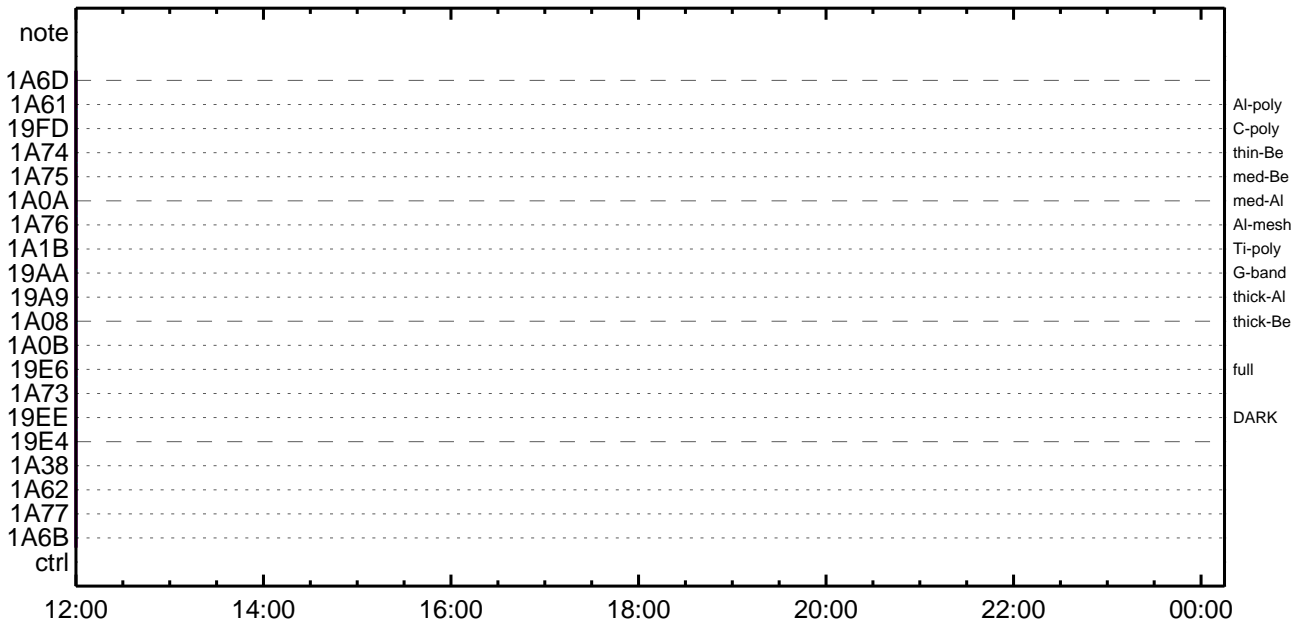
CMDI #0068 2015/04/22



CMDI #0068 2015/04/23



CMDI #0068 2015/04/23



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-086:OP
0104 (
0105 S. OG og-086: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. YAYOXx½ª î»ò³ ÎÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOGãî½ª¹ç•è² ÎOKò³ ÎÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. 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. YAYOXx½ªª î»ò³ ÎÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOGãî½ª¹ç•è² ÎOKò³ ÎÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. 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. YAYOXx½ªª î»ò³ ÎÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OPãî½ª¹ç•è² ÎOKò³ ÎÇ§
0165 C.
0166 C. ***** òÈ²¼ò Î½ª¹ ç¶À°ÈÈ-ò°À÷¿® (¼ãµ-YAYOXx½ªª çòðÀÓÆòÇ¼ªª °òÈ¼î¹çòçòâ) *****
0167 C. DHUYã;¼YE;È½Y½;Y;¼YE;Èòðîãª¹
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 UPLOADã-Á÷¿®NGUî½ª¹ç;ç°È²¼ò îTI-CMDÁ÷¿®ãî½ª¹Òª•òÈòòò³òÈ;ç
0180 C. òÈò¿;çSETòÈDUMPãî½ª¹ç°È²¼òã³òÈ;ç
0181 C.
0182 C. TIY³Y½Y½Y½òðÀî¿¿(UT)
0183 +. TI 2015-04-18 10:03:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2015-04-18 10:03:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2015-04-18 10:03:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2015-04-18 10:07:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼αîÄè%îíñαîî¥Á¥§¥Á¥-¹àîÛ
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. Tíîî°è¥Á¥Ö¥×
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. ¥Á¥Ö¥×½ªî»αò³îÇ§
0226 C.          çç[HK1_DMP_CHK_FLG]        EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLαîî¾È¹ç•è²îOKαò³îÇ§
0229 C.
0230 C. DHU¥â;¼¥È;È¼¥½. ¥î;¼¥È;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. *****
0239 C. SOT TI command set
0240 C. *****
0241 C. Execute, after the success of OP upload.
0242 +. TI 2015-04-18 10:07:16.0
0243 DC 07-F0 MDP_SOT_MODE_STBY
0244 BC      (41)
0245 C. -----
0246 C.   HK1_TI_CMD_NUM      = 1 CNTUP [ ]
0247 C. -----
0248 C. ***** SOT END *****
0249 C.
0250 C. ***** XRT START *****
0251 C. Execute, after the success of OP upload.
0252 +. TI 2015-04-18 10:07:00.0
0253 DC 07-F0 MDP_XRT_MODE_STBY
0254 BC      (c3)
0255 C.          [ ] [HK1_TI_CMD_NUM]      EQ      1COUNTUP
0256 C.
0257 C. ***** XRT END *****
0258 C. Stop EIS observation and temporarily disable EIS mode changes
0259 C.
0260 C.
0261 C. ***** Start EIS operation (TI set) *****
0262 C. Execute, after the success of OP upload.
0263 C. Set EIS TI-commands
0264 +. TI 2015-04-18 10:07:30.0
0265 DC 07-FC EIS_MODE_MANU
0266 BC      (21 02)
0267 +. TI 2015-04-18 10:07:40.0
0268 DC 07-FC EIS_MODE_CHG_DIS
0269 BC      (22)
0270 C.          [ ] [HK1_TI_CMD_NUM]      EQ      2 COUNTUP
0271 C. ***** End EIS operation (TI set) *****
0272 C.
0273 C.
0274 C.
0275 C. ***** MDP `úÃîαî»ö¼ÝαÈÄα¹αèDCBC•x²è *****
0276 C. (¼á°îî¥Á¥È¥¥¥¥¥á¥ç¥èè%¼αα¼Á»Ûα¹αè)
0277 S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ¥Ð¥¹•î Daily±çîñèÈ'Øα¹αèDCBC•x²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOS¥Á¥§¥Á¥-¼Á»Û;ã
0287 C.
0288 C. ***** LOS *****
0289 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-087 2015-04-18 12:35:01 85 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~¼Ä»Û;ã
0005 C.
0006 C. YÁY$;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;È¿¿òÄò•µ°È»Í×ÁÇòÍYçYÁY×Yí;¼YÉ;ÈÈè%µ•íÉ;ÈòÈ¼°ÇÒò•ò¿¼í¹çòÍ;çÄ®, ùò¹òèòòòçÁ+¿®ò•òÈòòò³òÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCS Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ( )
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCU_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCS Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCS DUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCU_ORB_UPD
0044 . C.
0045 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0046 +. DC 07-FC EIS_MODE_CHG_ENA
0047 BC (20)
0048 . C. Verify EIS_MODE_CHG_FLG is ENA
0049 +. DC 07-FC EIS_MODE_MANU
0050 BC (21 02)
0051 . C. Verify EIS in MANUAL mode
0052 . C. Estimated OBSTBL upload time is 1m
0053 C. *****
0054 C. EIS START OBSTBL LOAD
0055 C. *****
0056 . S. RAM ram-820:EIS_OBSTBL
0057 ( )
0058 +. DC 07-FC EIS_DUMP_OBSTBL
0059 BC (07 07 07 00 00 70 00)
0060 C.
0061 C. Execute, after the success of OBSTBL upload.
0062 C. Set EIS TI-commands
0063 +. TI 2015-04-18 10:07:50.0
0064 DC 07-FC EIS_MODE_CHG_ENA
0065 BC (20)
0066 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0067 C. *****
0068 C. EIS END OBSTBL LOAD
0069 C. *****
0070 C.
0071 . C. ***** MDP `ûÁîòí»ò¼YòÈÄò¹òèDCBC•x²è *****
0072 C. (¼á°íYÓYÁYÈYpYÈYáYçYèòÈ%¼ò¼Ä»Ûò¹òè)
0073 . S. DC-BC dcbc-402:DCBC
0074 (MDP_known_event)
0075 C.
0076 C.
0077 . C. ***** YDY¹.İ Daily±;İÑòÈ`ò¹òèDCBC•x²è *****
0078 . S. DC-BC dcbc-153:DCBC
0079 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0080 C.
0081 C.
0082 . C. ;ãLOSÁY$YÁY~¼Ä»Û;ã
0083 C.
0084 . C. ***** LOS *****
0085 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-088 2015-04-18 12:35:01 152 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YFYOYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èø¿òÁø•µ°È»Í×ÁÇøÍYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈøÈ¼°ÇÇø•ø¿¼í¹çøÍ;çÀ®, ùø¹øèøøøÇÁ+¿®ø•øÈøøøøøÈ;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 85 83 08 08)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 08 80 80 20 20)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 09 80 80 20 08)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0a 80 80 08 20)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0b 80 60 20 18)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0c a0 80 18 20)
0056 + DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 0f 80 80 06 06)
0058 + DC 07-F0 MDP_XRT_ROI_SET
0059 BC (cd 10 80 80 08 08)
0060 + DC 07-F0 MDP_XRT_FLD_ENA
0061 BC (d8)
0062 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0063 BC (c8)
0064 + DC 07-F0 MDP_XRT_AEC_RESET
0065 BC (d0)
0066 + DC 07-F0 MDP_XRT_ARS_DIS
0067 BC (d5)
0068 + DC 07-F0 MDP_XRT_FLD_RESET
0069 BC (da)
0070 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0071 BC (c4 08)
0072 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0073 BC (c5 13)
0074 . C. ----- Success Verify ? OK / NG ____
0075 C.
0076 C.
0077 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0078 C.
0079 +. DC 07-F0 MDP_XRT_MODE_OBSV
0080 BC (c2)
0081 +. TI 2015-04-18 10:07:02.0
0082 DC 07-F0 MDP_XRT_MODE_OBSV
0083 BC (c2)
0084 . C. ----- Success Verify ? OK / NG ____
0085 C.
0086 C. ***** XRT END *****
0087 . C. *****
0088 C. SOT table upload
0089 C. *****
0090 . C. < Stop FG table >
0091 +. DC 07-F0 MDP_FG_CTRL_MANU
0092 BC (51)
0093 . C. -----
0094 C. MDP_FG_CTRL_MODE = MANU [ ]
0095 C. -----
```

```

0096 C.
0097 . C. <Upload FG Observation Table>
0098 . S. RAM ram-264:MDP_OBS_F
0099 ( )
0100 C.
0101 . C. < Dump RAMID=MDP_OBS_F >
0102 +. DC 07-F0 MDP_DUMP_FGTBL
0103 BC (82 07 00 00 00 38 b8)
0104 C. -----
0105 C. MDP_OBS_F verify = OK/NG [ ]
0106 C. -----
0107 C.
0108 . C. < Stop SP table >
0109 +. DC 07-F0 MDP_SP_CTRL_MANU
0110 BC (61)
0111 C. -----
0112 C. MDP_SP_CTRL_MODE = MANU [ ]
0113 C. -----
0114 C.
0115 . C. <Upload SP Observation Table>
0116 . S. RAM ram-282:MDP_OBS_S
0117 ( )
0118 C.
0119 . C. < Dump RAMID=MDP_OBS_S >
0120 +. DC 07-F0 MDP_DUMP_SPTBL
0121 BC (83 07 00 00 00 38 b8)
0122 C. -----
0123 C. MDP_OBS_S verify = OK/NG [ ]
0124 C. -----
0125 C.
0126 C. *****
0127 C. SOT TI command set
0128 C. *****
0129 C. Execute, after the success of TBL upload.
0130 +. TI 2015-04-18 10:07:18.0
0131 DC 07-F0 MDP_SOT_MODE_OBSV
0132 BC (40)
0133 . C. -----
0134 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0135 C. -----
0136 C.
0137 C.
0138 . C. ***** MDP `uãîï»ö%ýðÉÀð¹ðÉDCBC•x²è *****
0139 C. (%á°îÿÓÿÃÿÈÿpÿÈÿáÿçÿèðÉ%¼ð¼Ã»Û¹è)
0140 . S. DC-BC dcbc-402:DCBC
0141 (MDP_known_event)
0142 C.
0143 C.
0144 . C. ***** ÿDÿ¹•İ Daily±¿İñðÉ´Ø¹ðÉDCBC•x²è *****
0145 . S. DC-BC dcbc-153:DCBC
0146 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0147 C.
0148 C.
0149 . C. ;ãLOSÿÁÿ§ÿÃÿ-¼Ã»Û;ä
0150 C.
0151 . C. ***** LOS *****
0152 C.

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*** OP Sequence for XRT ***

| | | | | | | | | | |
|------------|------------|--------------------------------------|---|-------|----|----|----|----|----|
| 2015/04/18 | 10:09:00.5 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 10:09:10.5 | XRT_FOCUS_RECALIBRATE_445_OG [0x1bd] | | | | | | | |
| | | XRT_FOCUS_RECAL | 2 | 07-F8 | 78 | 00 | | | |
| 2015/04/18 | 10:13:10.5 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 | |
| 2015/04/18 | 10:17:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 10:17:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 10:17:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 | |
| 2015/04/18 | 10:18:00.0 | AOCs_OrE-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 01 | 00 | 00 | 00 | 00 |
| 2015/04/18 | 10:18:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2015/04/18 | 10:18:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2015/04/18 | 10:18:22.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2015/04/18 | 10:18:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2015/04/18 | 10:18:26.0 | XRT_FLD_RESET_407_OG [0x197] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2015/04/18 | 10:20:56.0 | XRT_QT_PROG_SET_433_OG [0x1b1] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 04 | | | |
| 2015/04/18 | 10:20:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 02 | | | |
| 2015/04/18 | 10:21:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2015/04/18 | 10:58:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 10:58:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 10:58:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2015/04/18 | 10:58:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2015/04/18 | 11:01:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2015/04/18 | 11:14:24.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 11:14:26.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 11:14:28.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2015/04/18 | 11:14:30.0 | AOCs_OrE-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | ac | cd |
| 2015/04/18 | 11:14:48.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2015/04/18 | 11:14:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2015/04/18 | 11:14:52.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2015/04/18 | 11:14:54.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2015/04/18 | 11:14:56.0 | XRT_FLD_RESET_407_OG [0x197] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2015/04/18 | 11:17:26.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 | | | |
| 2015/04/18 | 11:17:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 02 | | | |
| 2015/04/18 | 11:17:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2015/04/18 | 11:30:24.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 11:30:26.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 11:30:28.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2015/04/18 | 11:30:30.0 | AOCs_OrE-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | d6 | 67 |
| 2015/04/18 | 11:30:48.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2015/04/18 | 11:30:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2015/04/18 | 11:30:52.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2015/04/18 | 11:30:54.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2015/04/18 | 11:30:56.0 | XRT_FLD_RESET_407_OG [0x197] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2015/04/18 | 11:33:26.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 | | | |
| 2015/04/18 | 11:33:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 02 | | | |
| 2015/04/18 | 11:33:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2015/04/18 | 11:46:24.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 11:46:26.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |

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| | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|
| 2015/04/18 | 11:46:28.0 | XRT_FOCUS_POSITION_403_OG [0x193] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2015/04/18 | 11:46:30.0 | AOCS_OrE-point_Start_4_OG [0x09a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2015/04/18 | 11:46:48.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCU_NM | 5 | 02-76 | 00 00 00 00 |
| 2015/04/18 | 11:46:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2015/04/18 | 11:46:52.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2015/04/18 | 11:46:54.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2015/04/18 | 11:46:56.0 | XRT_FLD_RESET_407_OG [0x197] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2015/04/18 | 11:49:26.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2015/04/18 | 11:49:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 |
| 2015/04/18 | 11:49:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 02 |
| 2015/04/18 | 12:02:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2015/04/18 | 12:02:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2015/04/18 | 12:02:28.0 | XRT_FOCUS_POSITION_403_OG [0x193] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2015/04/18 | 12:02:30.0 | AOCS_OrE-point_Start_5_OG [0x09b] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2015/04/18 | 12:02:48.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCU_NM | 5 | 02-76 | 00 00 00 29 99 |
| 2015/04/18 | 12:02:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2015/04/18 | 12:02:52.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2015/04/18 | 12:02:54.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2015/04/18 | 12:02:56.0 | XRT_FLD_RESET_407_OG [0x197] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2015/04/18 | 12:05:26.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2015/04/18 | 12:05:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 |
| 2015/04/18 | 12:05:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 02 |
| 2015/04/18 | 12:18:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2015/04/18 | 12:18:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2015/04/18 | 12:18:28.0 | XRT_FOCUS_POSITION_403_OG [0x193] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2015/04/18 | 12:18:30.0 | AOCS_OrE-point_Start_6_OG [0x09c] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2015/04/18 | 12:18:48.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCU_NM | 5 | 02-76 | 00 00 00 53 33 |
| 2015/04/18 | 12:18:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2015/04/18 | 12:18:52.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2015/04/18 | 12:18:54.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2015/04/18 | 12:18:56.0 | XRT_FLD_RESET_407_OG [0x197] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2015/04/18 | 12:21:26.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2015/04/18 | 12:21:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 |
| 2015/04/18 | 12:21:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 02 |
| 2015/04/18 | 12:37:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2015/04/18 | 12:37:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2015/04/18 | 12:37:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2015/04/18 | 12:37:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2015/04/18 | 12:40:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2015/04/18 | 12:52:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2015/04/18 | 12:52:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2015/04/18 | 12:52:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2015/04/18 | 12:53:00.0 | AOCS_OrE-point_Start_7_OG [0x09d] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2015/04/18 | 12:53:18.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCU_NM | 5 | 02-76 | 00 d6 36 b7 8e |
| 2015/04/18 | 12:53:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2015/04/18 | 12:53:22.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| | | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |

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|------------|------------|------------------------------------|---|-------|----------------|--|--|--|--|
| 2015/04/18 | 12:53:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2015/04/18 | 12:53:26.0 | XRT_FLD_RESET_407_OG [0x197] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2015/04/18 | 12:55:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 | | | | |
| 2015/04/18 | 12:55:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 02 | | | | |
| 2015/04/18 | 12:56:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2015/04/18 | 13:02:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 13:02:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 13:02:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2015/04/18 | 13:03:00.0 | AOCS_OrE-point_Start_8_OG [0x09e] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 b4 b5 db 75 | | | | |
| 2015/04/18 | 13:03:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2015/04/18 | 13:03:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2015/04/18 | 13:03:22.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2015/04/18 | 13:03:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2015/04/18 | 13:03:26.0 | XRT_FLD_RESET_407_OG [0x197] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2015/04/18 | 13:05:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 | | | | |
| 2015/04/18 | 13:05:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 02 | | | | |
| 2015/04/18 | 13:06:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2015/04/18 | 13:18:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 13:18:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 13:18:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2015/04/18 | 13:19:00.0 | AOCS_OrE-point_Start_9_OG [0x09f] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 ac 5b 00 00 | | | | |
| 2015/04/18 | 13:19:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2015/04/18 | 13:19:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2015/04/18 | 13:19:22.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2015/04/18 | 13:19:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2015/04/18 | 13:19:26.0 | XRT_FLD_RESET_407_OG [0x197] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2015/04/18 | 13:21:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 | | | | |
| 2015/04/18 | 13:21:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 02 | | | | |
| 2015/04/18 | 13:22:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2015/04/18 | 13:34:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 13:34:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 13:34:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2015/04/18 | 13:35:00.0 | AOCS_OrE-point_Start_10_OG [0x0a0] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 b4 b5 24 8b | | | | |
| 2015/04/18 | 13:35:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2015/04/18 | 13:35:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2015/04/18 | 13:35:22.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2015/04/18 | 13:35:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2015/04/18 | 13:35:26.0 | XRT_FLD_RESET_407_OG [0x197] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2015/04/18 | 13:37:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 | | | | |
| 2015/04/18 | 13:37:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 02 | | | | |
| 2015/04/18 | 13:38:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2015/04/18 | 13:50:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 13:50:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2015/04/18 | 13:50:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2015/04/18 | 13:51:00.0 | AOCS_OrE-point_Start_11_OG [0x0a1] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 d6 36 48 72 | | | | |
| 2015/04/18 | 13:51:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2015/04/18 | 13:51:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |

| | | | | | | | |
|------------|------------|------------------------------------|---------------------|---|-------|----|-------------|
| 2015/04/18 | 13:51:22.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| | | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2015/04/18 | 13:51:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2015/04/18 | 13:51:26.0 | XRT_FLD_RESET_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/18 | 13:53:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 |
| 2015/04/18 | 13:53:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 02 |
| 2015/04/18 | 13:54:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/18 | 14:00:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 14:00:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 14:00:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff aa 00 |
| 2015/04/18 | 14:01:00.0 | AOCS_ORe-point_Start_12_OG [0x0a2] | AOCU_NM | 5 | 02-76 | 00 | 29 ca b7 8e |
| 2015/04/18 | 14:01:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2015/04/18 | 14:01:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2015/04/18 | 14:01:22.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2015/04/18 | 14:01:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2015/04/18 | 14:01:26.0 | XRT_FLD_RESET_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/18 | 14:03:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 |
| 2015/04/18 | 14:03:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 02 |
| 2015/04/18 | 14:04:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/18 | 14:15:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 14:15:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 14:15:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/18 | 14:15:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2015/04/18 | 14:18:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2015/04/18 | 14:31:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2015/04/18 | 14:32:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/18 | 14:37:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 14:37:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 14:37:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/18 | 14:37:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2015/04/18 | 14:40:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2015/04/18 | 14:48:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2015/04/18 | 14:49:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/18 | 14:53:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 14:53:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 14:53:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff aa 00 |
| 2015/04/18 | 14:54:00.0 | AOCS_ORe-point_Start_13_OG [0x0a3] | AOCU_NM | 5 | 02-76 | 00 | 4b 4b db 75 |
| 2015/04/18 | 14:54:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2015/04/18 | 14:54:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2015/04/18 | 14:54:22.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2015/04/18 | 14:54:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2015/04/18 | 14:54:26.0 | XRT_FLD_RESET_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/18 | 14:56:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 |
| 2015/04/18 | 14:56:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 02 |
| 2015/04/18 | 14:57:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/18 | 15:09:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 15:09:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 15:09:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff aa 00 |

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|------------|------------|------------------------------------|---|-------|----|----|----|----|----|
| 2015/04/18 | 15:10:00.0 | AOCS_ORe-point_Start_14_OG [0x0a4] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | 53 | a5 | 00 | 00 |
| 2015/04/18 | 15:10:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | | | | d8 | |
| 2015/04/18 | 15:10:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | | | | c8 | |
| 2015/04/18 | 15:10:22.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | | | | d0 | |
| 2015/04/18 | 15:10:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | | | | d5 | |
| 2015/04/18 | 15:10:26.0 | XRT_FLD_RESET_407_OG [0x197] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | | | | da | |
| 2015/04/18 | 15:12:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | | | | c4 | 14 |
| 2015/04/18 | 15:12:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | | | | c5 | 02 |
| 2015/04/18 | 15:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | | | c0 | |
| 2015/04/18 | 15:25:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | c1 | |
| 2015/04/18 | 15:25:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | c1 | |
| 2015/04/18 | 15:25:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | | 00 |
| 2015/04/18 | 15:26:00.0 | AOCS_ORe-point_Start_15_OG [0x0a5] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | 4b | 4b | 24 | 8b |
| 2015/04/18 | 15:26:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | | | | d8 | |
| 2015/04/18 | 15:26:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | | | | c8 | |
| 2015/04/18 | 15:26:22.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | | | | d0 | |
| 2015/04/18 | 15:26:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | | | | d5 | |
| 2015/04/18 | 15:26:26.0 | XRT_FLD_RESET_407_OG [0x197] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | | | | da | |
| 2015/04/18 | 15:28:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | | | | c4 | 14 |
| 2015/04/18 | 15:28:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | | | | c5 | 02 |
| 2015/04/18 | 15:29:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | | | c0 | |
| 2015/04/18 | 15:41:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | c1 | |
| 2015/04/18 | 15:41:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | c1 | |
| 2015/04/18 | 15:41:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | | 00 |
| 2015/04/18 | 15:42:00.0 | AOCS_ORe-point_Start_16_OG [0x0a6] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | 29 | db | 48 | 72 |
| 2015/04/18 | 15:42:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | | | | d8 | |
| 2015/04/18 | 15:42:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | | | | c8 | |
| 2015/04/18 | 15:42:22.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | | | | d0 | |
| 2015/04/18 | 15:42:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | | | | d5 | |
| 2015/04/18 | 15:42:26.0 | XRT_FLD_RESET_407_OG [0x197] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | | | | da | |
| 2015/04/18 | 15:44:56.0 | XRT_QT_PROG_SET_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | | | | c4 | 14 |
| 2015/04/18 | 15:44:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | | | | c5 | 02 |
| 2015/04/18 | 15:45:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | | | c0 | |
| 2015/04/18 | 15:54:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | c1 | |
| 2015/04/18 | 15:54:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | c1 | |
| 2015/04/18 | 15:54:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | | | | da | |
| 2015/04/18 | 15:54:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | | | | e8 | |
| 2015/04/18 | 15:57:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | | | | e9 | |
| 2015/04/18 | 15:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | c1 | |
| 2015/04/18 | 15:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | | | c1 | |
| 2015/04/18 | 15:59:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | | 00 |
| 2015/04/18 | 16:00:00.0 | AOCS_ORe-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 01 | 00 | 00 | 00 | 00 |
| 2015/04/18 | 16:00:18.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | | | | d8 | |
| 2015/04/18 | 16:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | | | | c8 | |
| 2015/04/18 | 16:00:22.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | | | | d0 | |
| 2015/04/18 | 16:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | | | | d5 | |
| 2015/04/18 | 16:00:26.0 | XRT_FLD_RESET_407_OG [0x197] | | | | | | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|-------------|----|
| 2015/04/18 | 16:02:56.0 | XRT_QT_PROG_SET_433_OG [0x1b1] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/18 | 16:02:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 04 |
| 2015/04/18 | 16:10:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 02 |
| 2015/04/18 | 16:11:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/18 | 16:12:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 16:12:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 16:12:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/18 | 16:12:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2015/04/18 | 16:15:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2015/04/18 | 16:35:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/18 | 16:36:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 17:32:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 17:32:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 17:32:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/18 | 17:32:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2015/04/18 | 17:35:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2015/04/18 | 18:12:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 18:12:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 18:12:28.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa | 00 |
| 2015/04/18 | 18:12:30.0 | AOCS_OrE-point_Start_4_OG [0x09a] | AOCU_NM | 5 | 02-76 | 00 00 00 00 | 00 |
| 2015/04/18 | 18:12:48.0 | XRT_FLD_DIS_422_OG [0x1a6] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2015/04/18 | 18:15:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2015/04/18 | 18:15:26.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2015/04/18 | 18:15:28.0 | XRT_QT_PROG_SET_425_OG [0x1a9] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 01 |
| 2015/04/18 | 18:15:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/18 | 18:22:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 18:22:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 18:22:28.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 | 00 |
| 2015/04/18 | 18:22:30.0 | AOCS_OrE-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 01 00 00 00 | 00 |
| 2015/04/18 | 18:22:48.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2015/04/18 | 18:22:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2015/04/18 | 18:22:52.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2015/04/18 | 18:22:54.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2015/04/18 | 18:22:56.0 | XRT_FLD_RESET_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/18 | 18:25:26.0 | XRT_QT_PROG_SET_433_OG [0x1b1] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 04 |
| 2015/04/18 | 18:25:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 02 |
| 2015/04/18 | 18:25:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/18 | 19:10:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 19:10:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 19:10:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/18 | 19:10:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2015/04/18 | 19:13:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2015/04/18 | 19:49:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/18 | 19:50:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 20:49:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 20:49:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 20:49:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/18 | 20:49:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7] | | | | | |

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|------------|------------|------------------------------------|---------------------|---|-------|----------------|--|
| 2015/04/18 | 20:52:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2015/04/18 | 21:26:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2015/04/18 | 21:27:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/18 | 22:27:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 22:27:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/18 | 22:27:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/18 | 22:27:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7] | | | | | |
| | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2015/04/18 | 22:30:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2015/04/18 | 23:01:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2015/04/18 | 23:02:00.5 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/19 | 00:05:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/19 | 00:05:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/19 | 00:05:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/19 | 00:05:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7] | | | | | |
| | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2015/04/19 | 00:08:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2015/04/19 | 00:25:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2015/04/19 | 00:26:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/19 | 01:41:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/19 | 01:41:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/19 | 01:41:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2015/04/19 | 01:41:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7] | | | | | |
| | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2015/04/19 | 01:44:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2015/04/19 | 01:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/19 | 01:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/19 | 01:59:58.0 | XRT_FOCUS_POSITION_414_OG [0x19e] | | | | | |
| | | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | |
| 2015/04/19 | 02:00:00.0 | AOCS_Ore-point_Start_17_OG [0x0a7] | | | | | |
| | | | AOCU_NM | 5 | 02-76 | 00 ac 00 00 00 | |
| 2015/04/19 | 02:00:18.0 | XRT_FLD_DIS_446_OG [0x1be] | | | | | |
| | | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2015/04/19 | 02:00:20.0 | XRT_FLRCTRL_DIS_431_OG [0x1af] | | | | | |
| | | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2015/04/19 | 02:00:22.0 | XRT_ARS_DIS_404_OG [0x194] | | | | | |
| | | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2015/04/19 | 02:14:58.0 | XRT_QT_PROG_SET_416_OG [0x1a0] | | | | | |
| | | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0b | |
| 2015/04/19 | 02:15:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/19 | 03:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/19 | 03:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/19 | 03:59:58.0 | XRT_FOCUS_POSITION_414_OG [0x19e] | | | | | |
| | | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | |
| 2015/04/19 | 04:00:00.0 | AOCS_Ore-point_Start_18_OG [0x0a8] | | | | | |
| | | | AOCU_NM | 5 | 02-76 | 00 00 00 54 00 | |
| 2015/04/19 | 04:00:18.0 | XRT_FLD_DIS_446_OG [0x1be] | | | | | |
| | | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2015/04/19 | 04:00:20.0 | XRT_FLRCTRL_DIS_431_OG [0x1af] | | | | | |
| | | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2015/04/19 | 04:00:22.0 | XRT_ARS_DIS_404_OG [0x194] | | | | | |
| | | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2015/04/19 | 04:14:58.0 | XRT_QT_PROG_SET_420_OG [0x1a4] | | | | | |
| | | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0c | |
| 2015/04/19 | 04:15:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/19 | 05:58:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/19 | 05:58:56.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/19 | 05:58:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | |
| | | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2015/04/19 | 05:59:00.0 | AOCS_Ore-point_Start_4_OG [0x09a] | | | | | |
| | | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | |
| 2015/04/19 | 05:59:18.0 | XRT_FLD_DIS_422_OG [0x1a6] | | | | | |
| | | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2015/04/19 | 06:01:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | | | |
| | | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2015/04/19 | 06:01:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | |
| | | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2015/04/19 | 06:01:58.0 | XRT_QT_PROG_SET_438_OG [0x1b6] | | | | | |

| | | | | | | | |
|------------|------------|---|----------------------|---|-------|----|-------------|
| 2015/04/19 | 06:02:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 03 |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2015/04/19 | 06:08:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/19 | 06:09:00.0 | AOCS_ORe-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 01 | 00 00 00 00 |
| 2015/04/19 | 06:09:00.5 | XRT_TCIB_XRT_S_HTR_A_ENA_432_OG [0x1b0] | TCIB_XRT_S_HTR_A_ENA | 0 | 04-BC | | |
| 2015/04/21 | 10:26:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2015/04/21 | 10:27:00.0 | AOCS_ORe-point_Start_4_OG [0x09a] | AOCU_NM | 5 | 02-76 | 00 | 00 00 00 00 |