

XRT Timeline to be uploaded on 2009/05/21

Period: 2009/05/21 10:29:00 - 2009/05/26 10:19:00

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Normal mode

* * * * *

| XOB #16B3: AR_Thermal Al/mesh Ti/poly -AEC1-512x512- 1x1 - offset_H_1176-V1032 | | | | | | | | | | | | |
|--|--|-----------------------|--|-----|--|------------|---|--------------|--|--------------------|--|---------------------------|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 05/21 10:42:00 - 05/21 17:59:54 | | Fixed (720.0, 310.0) | | | | | # OP start + 10min, observe AR at W limb, for entire period. SOT in bakeout for most of per | | | | | |
| 05/22 06:39:30 - 05/22 17:24:30 | | Fixed (720.0, 310.0) | | | | | #Cont. Mason et al. limb AR ToO during SAA-free period. | | | | | |
| PROG= 14 Inf.-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 40-time(s) 60.0sec | | | | | | | | | | | | |
| └─ Seqn= 95 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Open/Al-mesh Open/Al-mesh close Safe Norm 1.00s Obs 1x1 512x512 (1176, 1032) Q=95 1 0 2.0sec | | | | | | | | | | | | |
| └─ Open/Ti-poly Open/thick-Al close Safe Norm 2.00s Obs 1x1 512x512 (1176, 1032) Q=95 1 0 2.0sec | | | | | | | | | | | | |
| └─ Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 74 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 512x512 (1176, 1032) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| Default Filter | | Thicker Filter | | VLS | | mode image | | Exp. CCD Bin | | ROI: size (center) | | Comp. AEC Buffer Interval |

| XOB #16A1: Synoptic Q95 2x2 - Al/poly(128/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(181/2048) + G-band(16) | | | | | | | | | | | | |
|--|--|-------------------|--|-----|--|------------|---------------------------|--------------|--|--------------------|--|---------------------------|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 05/21 18:03:00 - 05/21 18:09:54 | | Fixed (0.0, 0.0) | | | | | synoptic | | | | | |
| 05/22 18:09:00 - 05/22 18:15:54 | | Fixed (0.0, 0.0) | | | | | synoptic, shifted 6.0 min | | | | | |
| PROG= 15 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 12.0sec | | | | | | | | | | | | |
| └─ Seqn= 24 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Al-poly/Open Al-poly/Open close Safe Norm 125ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec | | | | | | | | | | | | |
| └─ Al-poly/Open Al-poly/Open close Safe Norm 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 7 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 | | | | | | | | | | | | |
| └─ Seqn= 71 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Open/Ti-poly Open/Ti-poly close Safe Norm 177ms 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=98 0 0 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 92 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 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 #16B2: CME watch - C/poly - 2x2 1024x1024 - Be/thin - 2x2 - 1024x1024 - AEC2/3-offset_H_1176_V_1032 | | | | | | | | | | | | |
|---|--|-----------------------|--|-----|--|------------|---------|--------------|--|--------------------|--|---------------------------|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 05/21 18:13:00 - 05/22 06:26:24 | | Fixed (720.0, 310.0) | | | | | # Cont. | | | | | |
| 05/22 18:19:00 - 05/23 04:40:00 | | Fixed (720.0, 310.0) | | | | | # Cont. | | | | | |
| PROG= 08 Inf.-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 10-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 31 1-time(s) 60.0sec | | | | | | | | | | | | |
| └─ thin-Be/Open thin-Be/Open close Safe Norm 5.66s Obs 2x2 1024x1024 (1176, 1032) DPCM 2 0 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 11 1-time(s) 60.0sec | | | | | | | | | | | | |
| └─ C-poly/Open C-poly/Open close Safe Norm 2.00s Obs 2x2 1024x1024 (1176, 1032) DPCM 2 0 2.0sec | | | | | | | | | | | | |
| └─ C-poly/Open C-poly/Open close Safe Norm 177ms Obs 2x2 768x768 (1176, 1032) DPCM 3 0 2.0sec | | | | | | | | | | | | |
| └─ Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 74 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 512x512 (1176, 1032) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| Default Filter | | Thicker Filter | | VLS | | mode image | | Exp. CCD Bin | | ROI: size (center) | | Comp. AEC Buffer Interval |

| XOB #16A0: Synoptic Q95 2x2 - Al/mesh(88/723) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(181/2048) + G-band(16) | | | | | | | | | | | | |
|--|--|-----------------------|--|-----|--|------------|----------------------------|--------------|--|--------------------|--|---------------------------|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 05/22 06:29:30 - 05/22 06:36:24 | | Fixed (0.0, 0.0) | | | | | synoptic, shifted 26.5 min | | | | | |
| 05/23 05:55:30 - 05/23 06:20:30 | | Fixed (0.0, 0.0) | | | | | synoptic, shifted -7.5 min | | | | | |
| 05/23 07:00:00 - 05/23 11:27:30 | | Fixed (720.0, 310.0) | | | | | # Cont. | | | | | |
| 05/23 11:55:30 - 05/26 10:19:00 | | Fixed (0.0, 0.0) | | | | | Backup plan | | | | | |
| PROG= 16 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 12.0sec | | | | | | | | | | | | |
| └─ Seqn= 46 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Open/Al-mesh Open/Al-mesh close Safe Norm 86ms 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=98 0 0 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 7 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 | | | | | | | | | | | | |
| └─ Seqn= 71 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Open/Ti-poly Open/Ti-poly close Safe Norm 177ms 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=98 0 0 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 92 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 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 #168F: twilight monitor 384x384

| Term | Pointing (x, y) | Comment |
|---------------------------------|-----------------------|---------|
| 05/23 04:43:08 - 05/23 05:30:00 | Fixed (720.0, 310.0) | # Cont. |

PROG= 12 Inf.-time(s)
└ Subr= 1 1-time(s) 30.0sec
└ Seqn= 35 1-time(s) 2.0sec
└ Open/Al-mesh Open/Al-mesh close Safe Norm 16.0s Obs 1x1 384x384 (1024, 1024) Q=90 0 0 2.0sec
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

* * * * * **Flare mode** * * * * *

NOT USED

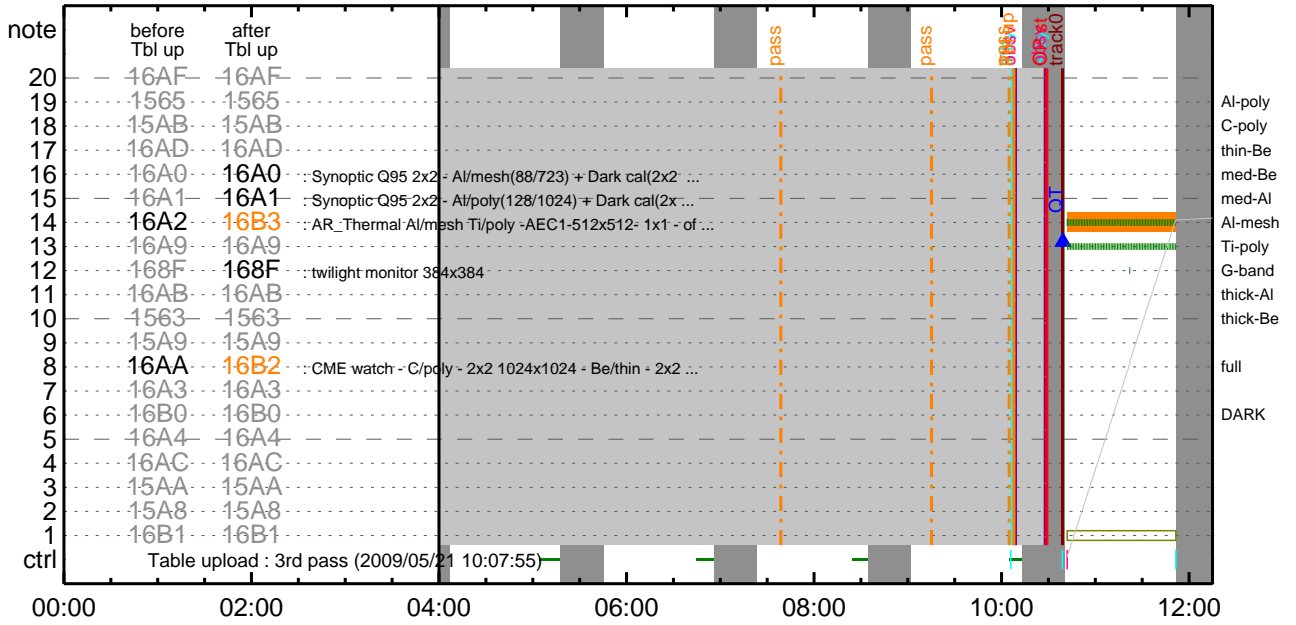
* * * * * **Active Region Search** * * * * *

NOT USED

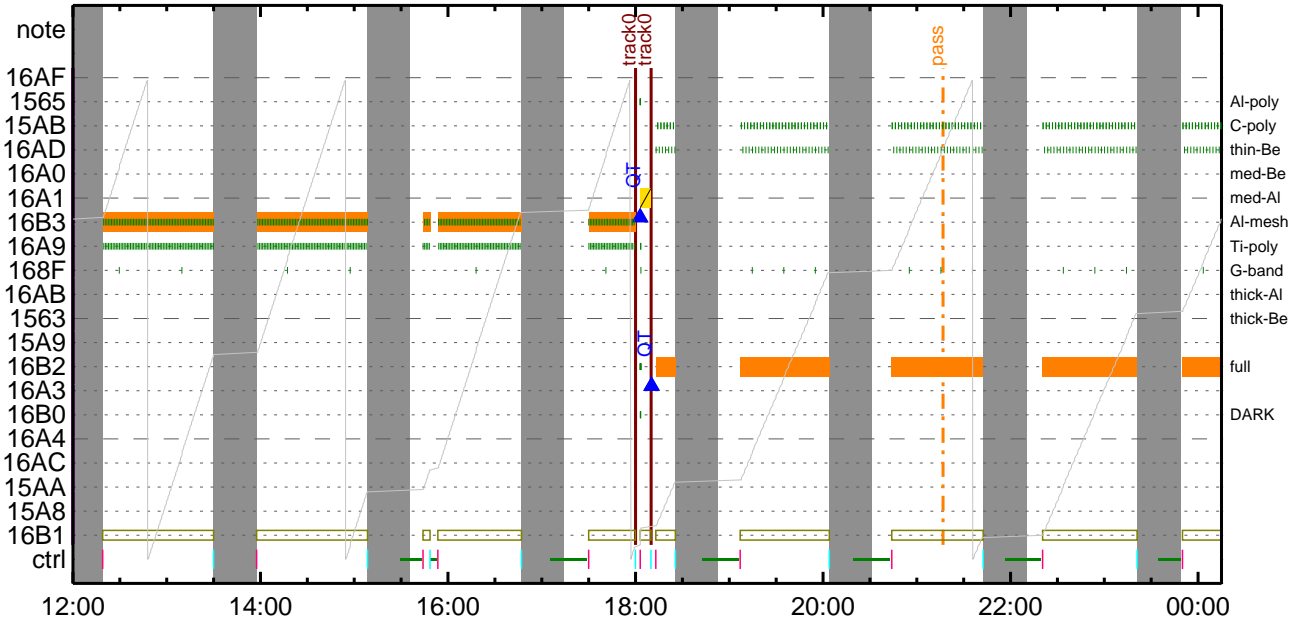
* * * * * **Flare Detection** * * * * *

NOT USED

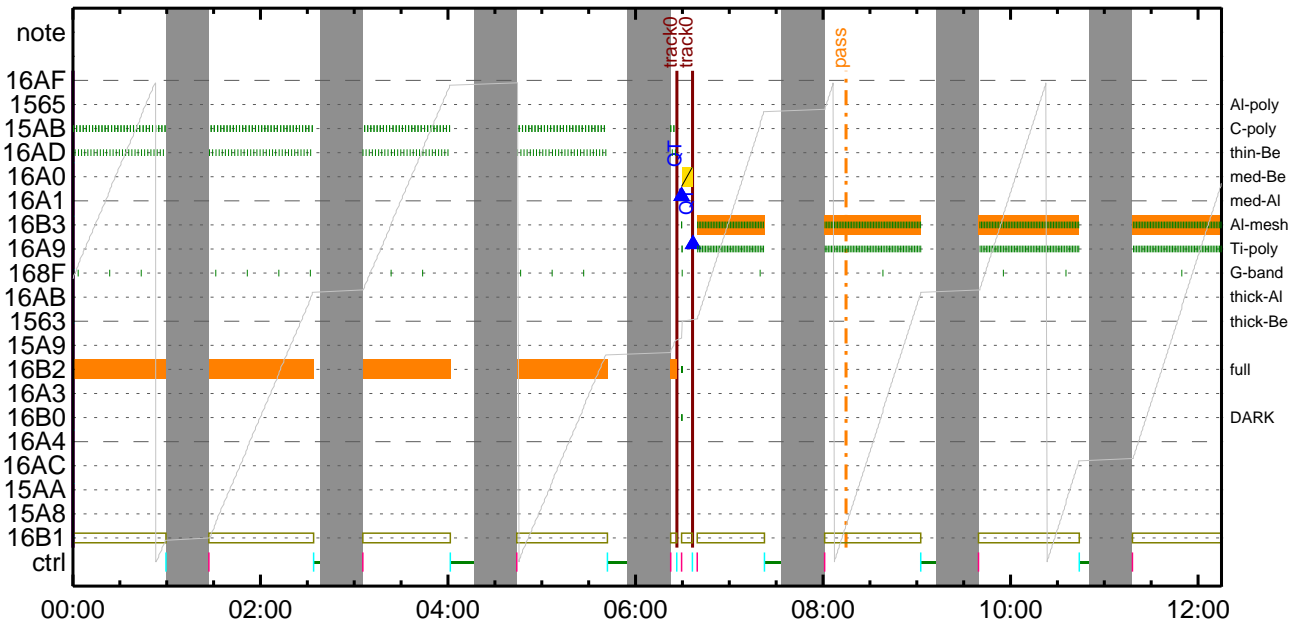
CMDI #0572 2009/05/21



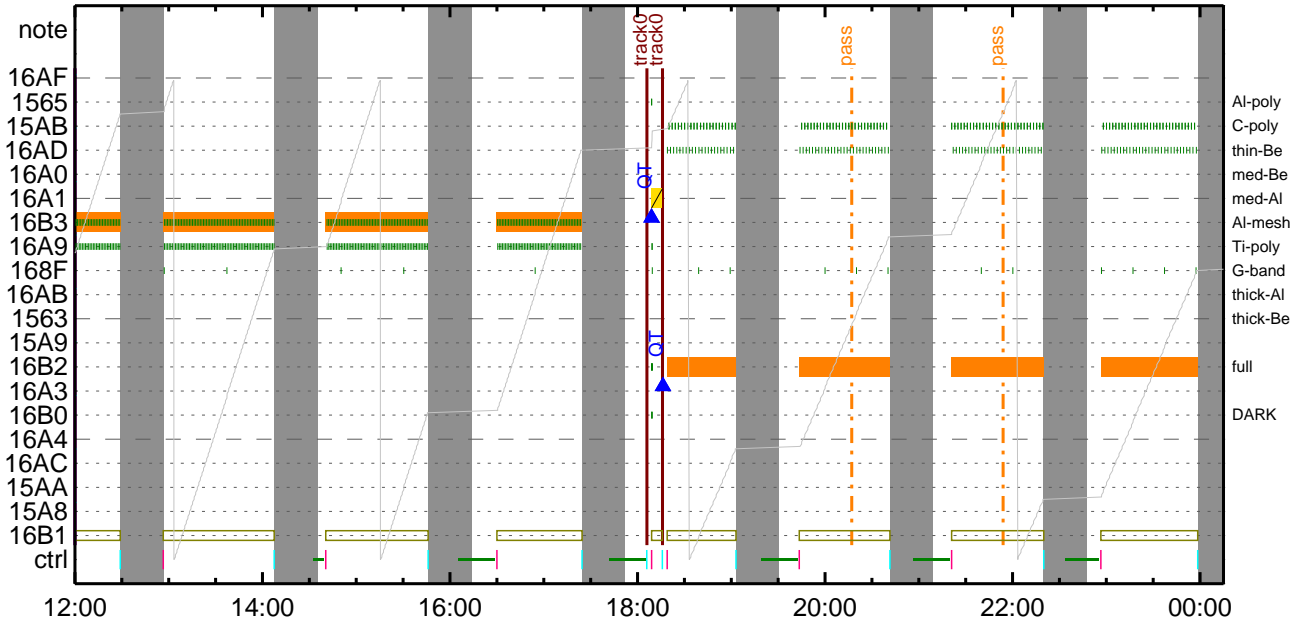
CMDI #0572 2009/05/21



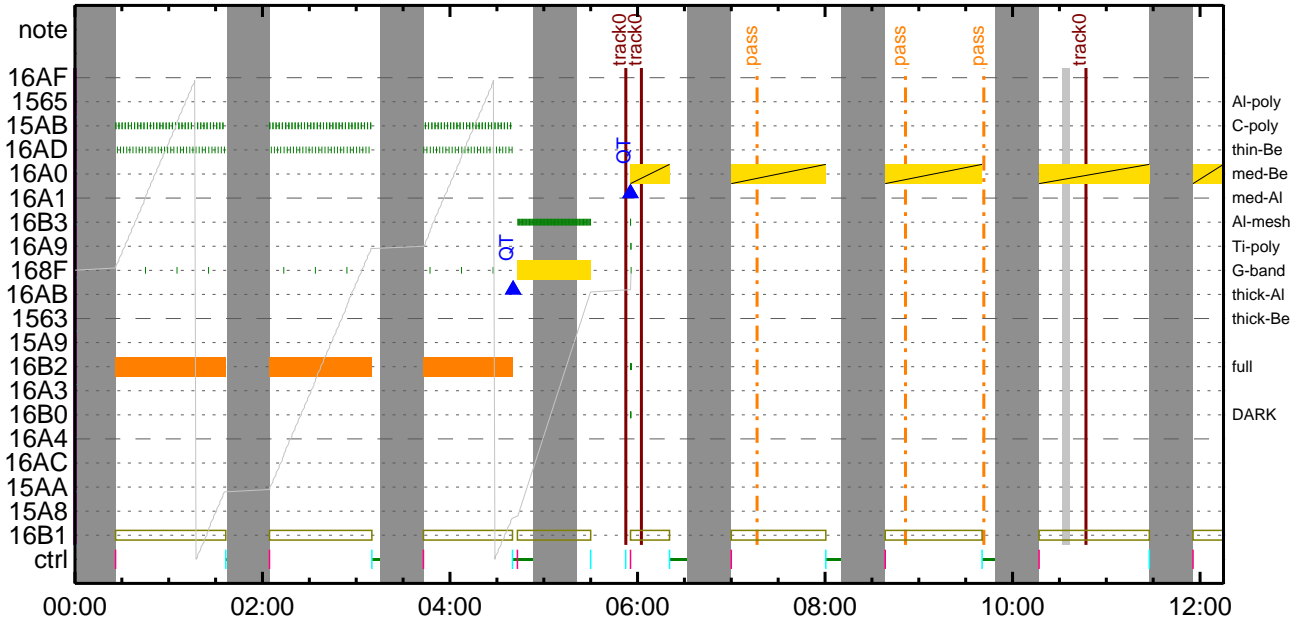
CMDI #0572 2009/05/22



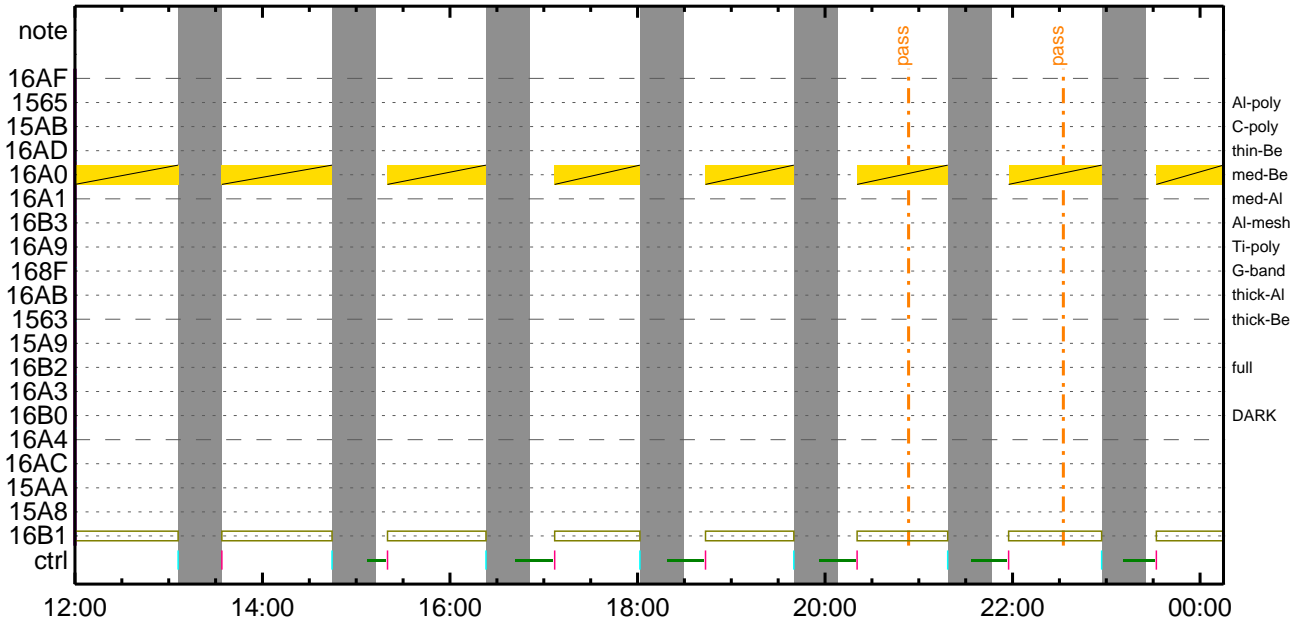
CMDI #0572 2009/05/22



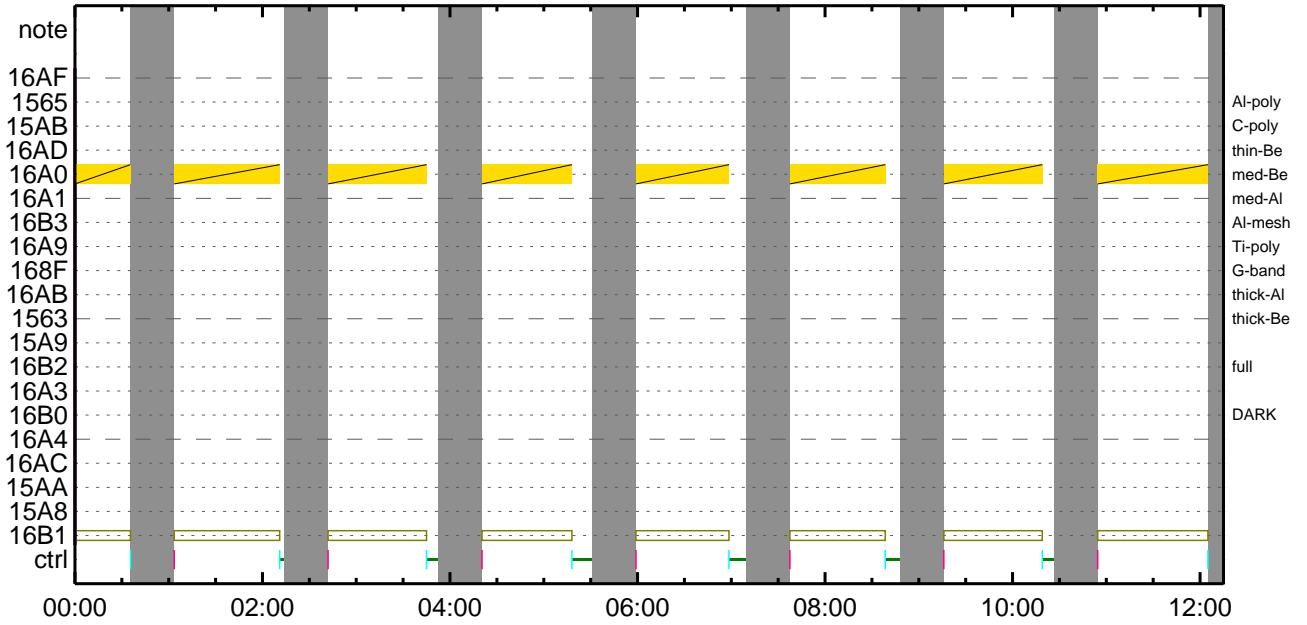
CMDI #0572 2009/05/23



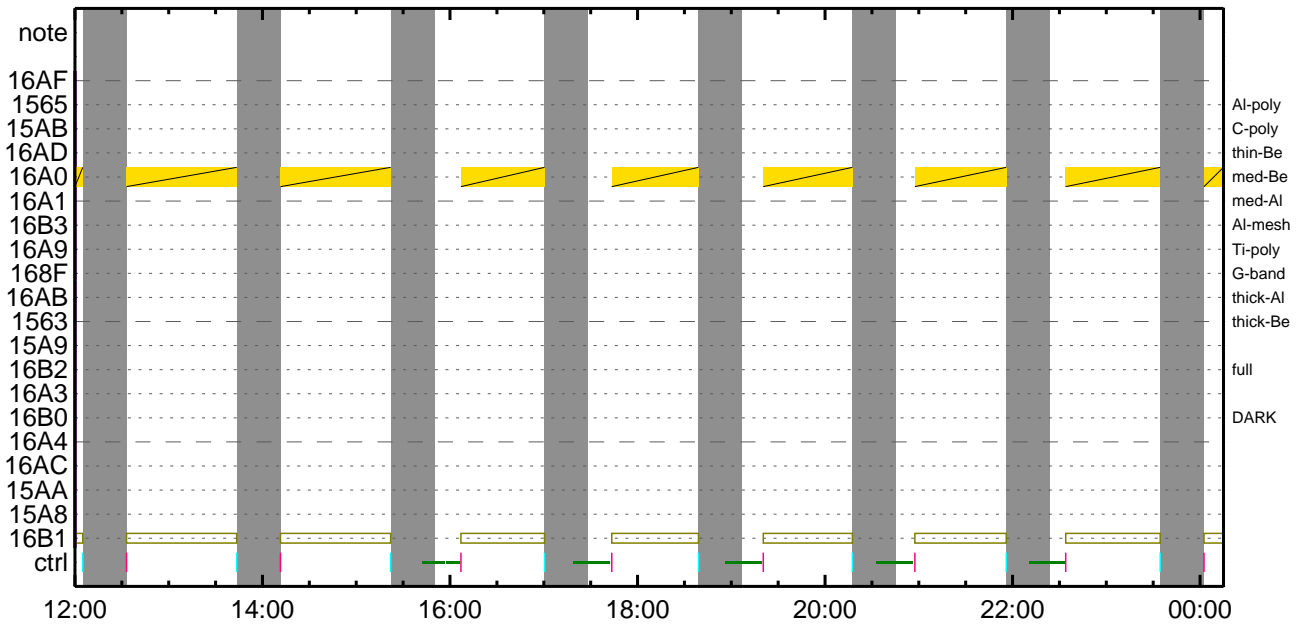
CMDI #0572 2009/05/23



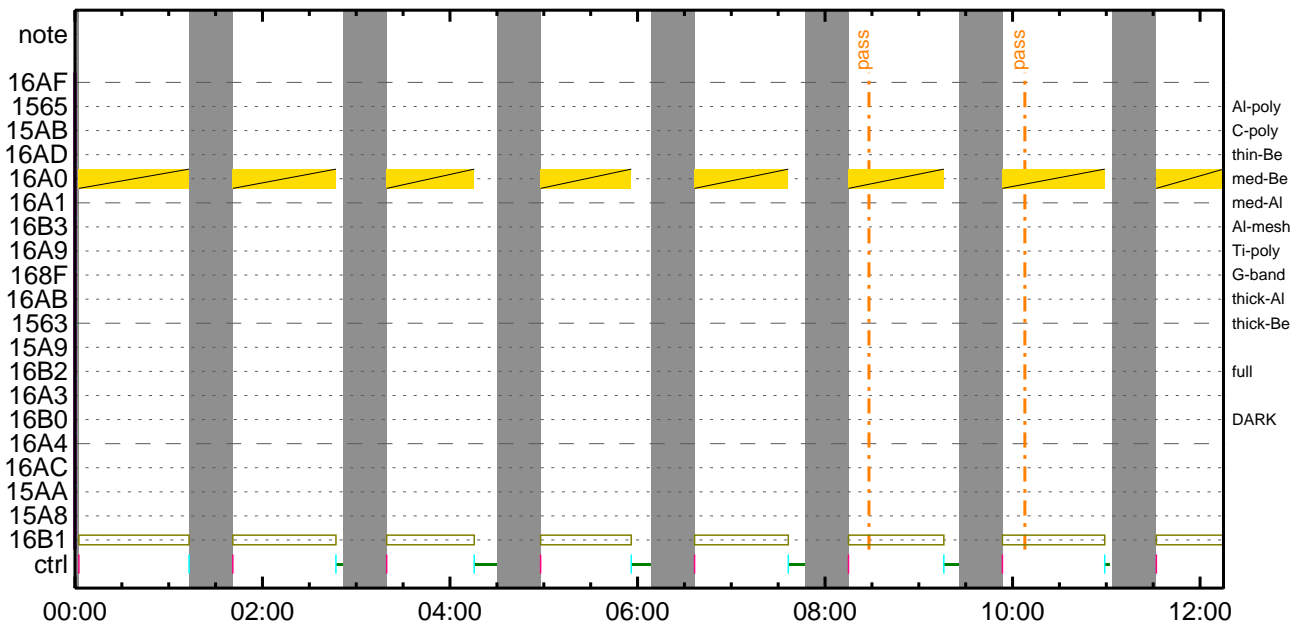
CMDI #0572 2009/05/24



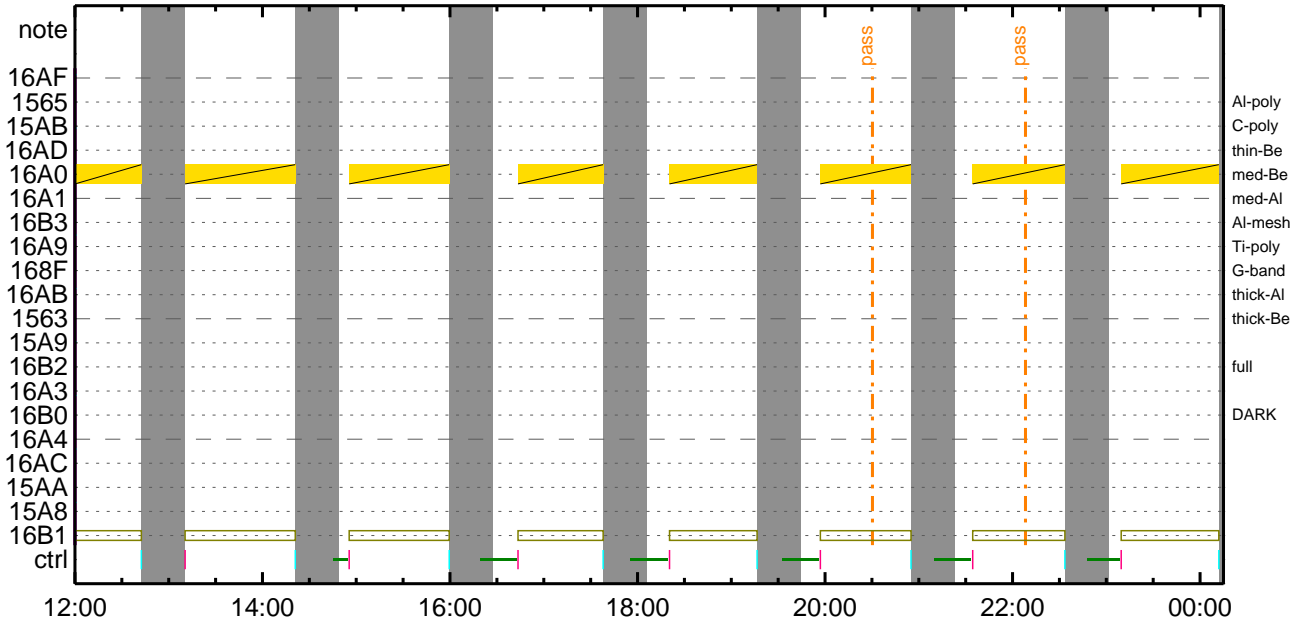
CMDI #0572 2009/05/24



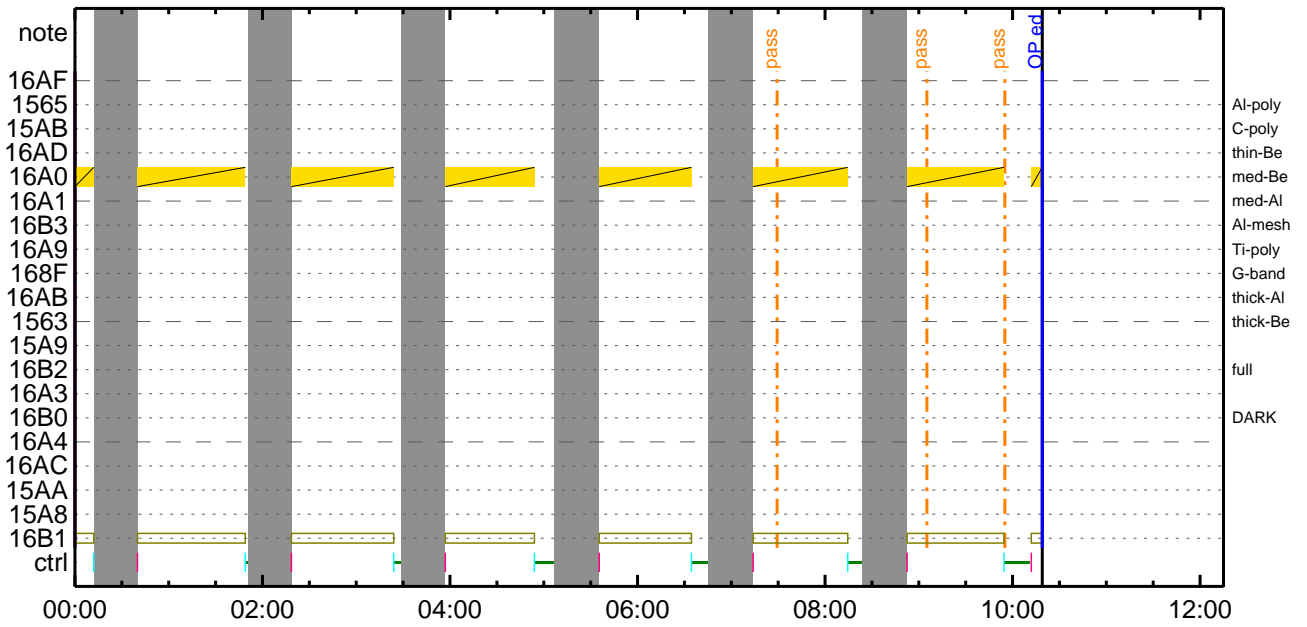
CMDI #0572 2009/05/25



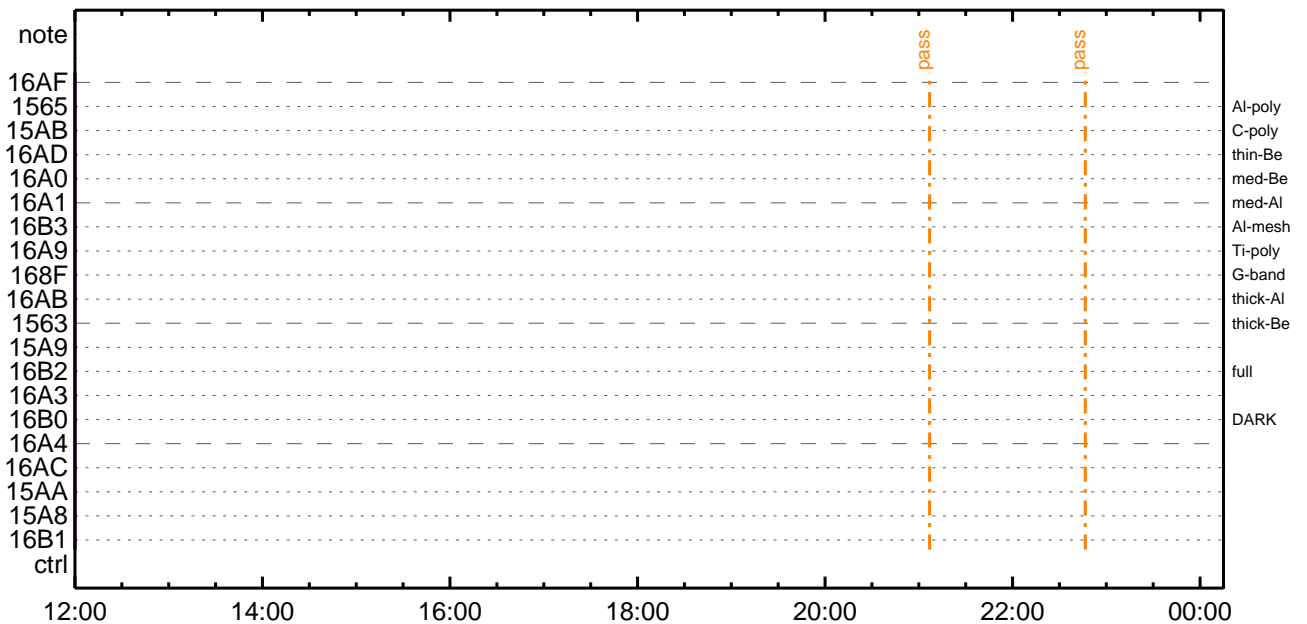
CMDI #0572 2009/05/25



CMDI #0572 2009/05/26



CMDI #0572 2009/05/26




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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOYx
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-607:OP
0104 ( )
0105 S. OG og-607:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOYx;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YAYOYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. YAYOYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. YAYOYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î½E¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** °E²¼òî½A´¶Á°òEÉ¬ò°Á÷¿@ (¼âµ-YAYOYx½ê½çòðÁÓÆòÇ¼ª°¬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°E²¼òîTI-CMDÁ÷¿@²î½Á¹Ôª°¬E²ò³òE;f
0180 C. ²²ò¿;çSET²EEDUMP²îE±°îYNY¹ç¹Ôª|²³òE;f
0181 C.
0182 C. TIY³Y²YóYÉòðÁDî¿(UT)
0183 +. TI 2009-05-21 10:24:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2009-05-21 10:24:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2009-05-21 10:24:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2009-05-21 10:28:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.      çç[HK1_TI_CMD_NUM]                EQ      1COUNTUP
0198 C.
0199 C.      °Ê²¼ïãĀē%ĩĩññîŷĀŷ§ŷĀŷ-¹ãĭŭ
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.      TIĭŷ°èŷĀŷÖŷ×
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.      ŷĀŷÖŷ×½ªĭ»ñ³ĭç§
0226 C.      çç[HK1_DMP_CHK_FLG]            EQ      NON
0227 C.
0228 C.      RAM ID=TI_TBLñĭ¼Ē¹ç•ē²ĭOKññ³ĭç§
0229 C.
0230 C.      DHUŷã;¼ŷĒ;Ē¼ŷ¼. ŷĭ;¼ŷĒ;Ēññĭãñ¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.      çç[HK1_PKT_FORM_NO]             EQ      2
0234 C.      çç[HK1_PKT_GEN_TIME]            EQ      0.5S
0235 C.      çç[HK1_S_TLM_BIT_RATE]         EQ      32K
0236 C.      çç[HK1_X_TLM_BIT_RATE]         EQ      4M
0237 C.
0238 C.      Stop EIS observation and temporarily disable EIS mode changes
0239 C.
0240 C.
0241 C.      ***** Start EIS operation (TI set) *****
0242 C.      Execute, after the success of OP upload.
0243 C.      Set EIS TI-commands
0244 +. TI 2009-05-21 10:28:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC      (21 02)
0247 +. TI 2009-05-21 10:28:40.0
0248 DC 07-FC EIS_MODE_CHG_DIS
0249 BC      (22)
0250 C.      çç [ ] [HK1_TI_CMD_NUM]          EQ      2 COUNTUP
0251 C.      ***** End EIS operation (TI set) *****
0252 C.
0253 C.
0254 C.      *****
0255 C.      SOT TI command set
0256 C.      *****
0257 C.      Execute, after the success of OP upload.
0258 +. TI 2009-05-21 10:28:16.0
0259 DC 07-F0 MDP_SOT_MODE_STBY
0260 BC      (41)
0261 C.      -----
0262 C.      HK1_TI_CMD_NUM = 1 CNTUP [ ]
0263 C.      -----
0264 C.      ***** SOT END *****
0265 C.
0266 C.      ***** XRT START *****
0267 C.      Execute, after the success of OP upload.
0268 +. TI 2009-05-21 10:28:00.0
0269 DC 07-F0 MDP_XRT_MODE_STBY
0270 BC      (c3)
0271 C.      çç [ ] [HK1_TI_CMD_NUM]          EQ      1COUNTUP
0272 C.
0273 C.      ***** XRT END *****
0274 C.
0275 C.      ***** MDP ´ŭĀĭñĭ»ö¼ŷñĒĀññ¹ñēDCBC•x²è *****
0276 C.      (¼ª°ĭŷŷĀŷĒŷŷŷŷĀŷçŷēñ¼ññ¼Ā»Ūñ¹ñē)
0277 S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 C.      ***** ŷĐŷ¹•ĭ Daily±çĭññĒ'Øñ¹ñēDCBC•x²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C.      ĭãLOSŷĀŷ§ŷĀŷ-¼Ā»Ū;ã
0287 C.
0288 C.      ***** LOS *****
0289 C.

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0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCs Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. *****
0130 C. FPP CCD Heaters ENA
0131 C. *****
0132 C.
0133 . C. < FG Decontam Level 1 -45 to -35, Duty=15% >
0134 C. ( Set SP heater duty = 0 % (for safety))
0135 +. DC 07-F2 FPP_FG_OPHTR_DUTY
0136 BC (54 03 0f)
0137 + DC 07-F2 FPP_FG_OPHTR_BAND
0138 BC (56 06 fe a2 fe 3e)
0139 + DC 07-F2 FPP_SP_OPHTR_DUTY
0140 BC (4c 03 00)
0141 . C. -----
0142 C. FPP_FG_CCDHTR_DC = 15 [ ]
0143 C. FPP_FG_CCDHTR_DB_HI =-35 [ ]
0144 C. FPP_FG_CCDHTR_DB_LO =-45 [ ]
0145 C. FPP_SP_CCDHTR_DC = 00 [ ]
0146 C. -----
0147 C.
0148 . C. Pause XRT obs by XRT_CTRL_MANU
0149 C.
0150 . C. < FPP Decontam Mode Enable >
0151 +. DC 07-F2 FPP_PWR_ON_ENA
0152 BC (12 02)
0153 +. DC 07-F2 FPP_DE_CONTAM_MODE
0154 BC (24 03 01)
0155 . C. -----
0156 C. FPP_DE_CONTAM_MODE = ON [ ]
0157 C. -----
0158 C.
0159 . C. Resume XRT obs by XRT_CTRL_AUTO
0160 C.
0161 . C. < Disable SP Heater >
0162 C. (Note: Both SP/FG Decontam heaters come on
0163 C. when Decontam mode is entered)
0164 +. DC 07-F2 FPP_SP_OPHTR_DIS
0165 BC (4a 02)
0166 . C. -----
0167 C. FPP_SPHTR_STAT = 01 (OFF) [ ]
0168 C. -----
0169 C.
0170 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0171 +. DC 07-FC EIS_MODE_MANU
0172 BC (21 02)
0173 . C. Verify EIS in MANUAL mode
0174 C. Estimated OBSTBL upload time is 55s
0175 C. *****
0176 C. EIS START OBSTBL LOAD
0177 C. *****
0178 . S. RAM ram-820:EIS_OBSTBL
0179 ( )
0180 +. DC 07-FC EIS_DUMP_OBSTBL
0181 BC (07 07 07 00 00 70 00)
0182 C.
0183 C. Execute, after the success of OBSTBL upload.
0184 C. Set EIS TI-commands
0185 +. TI 2009-05-21 10:28:50.0
0186 DC 07-FC EIS_MODE_CHG_ENA
0187 BC (20)
0188 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0189 C. *****
0190 C. EIS END OBSTBL LOAD
0191 C. *****
0192 C.
0193 . C. ***** MDP 'ûÃÏðÏ»ò¼ÝðÈÃÐð¹ðÈDCBC•×²è *****

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0194 C. (%ã°îÿÓÿÃÿÈÿPÿÈÿáÿçÿèãÈ%¼ãã%Ã»Ûã¹ãè)
0195 . S. DC-BC dcbc-402:DCBC
0196 (MDP_known_event)
0197 C.
0198 C.
0199 . C. ***** ÿÐÿ¹·ï Daily±¿íÑãÈ´Øã¹ãèDCBC·x²è *****
0200 . S. DC-BC dcbc-153:DCBC
0201 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0202 C.
0203 C.
0204 . C. ;ãLOSÿÁÿ\$ÿÿÿÿ-¼Ã»Û;ã
0205 C.
0206 . C. ***** LOS *****
0207 C.

(a) Spacecraft Operation Procedure (real-commands)

```
main-609 2009-05-21 13:39:09 114 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YF¥ÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èç²âð•µ°È»Í×ÁÇçíYçYÁY×Yí;¼YÉ;ÈÈè¼µ•ííÉ;ÈÈÈ¼°ÇÒâ•²¼i¹ç²Í;çÀ®, ù²¹âè³âçÁ+¿®â•²Èââ³âÈ;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-263: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 2009-05-21 10:28:18.0
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 06 93 81 08 08)
0074 + DC 07-F0 MDP_XRT_ROI_SET
0075 BC (cd 07 80 80 20 20)
0076 + DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 08 93 81 10 10)
0078 + DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 09 93 81 0c 0c)
0080 + DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 0a 80 80 06 06)
0082 + DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 0f 80 80 04 04)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 10 80 80 10 10)
0086 . C. ----- Success Verify ? OK / NG ____
0087 C.
0088 C.
0089 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0090 C.
0091 +. DC 07-F0 MDP_XRT_MODE_OBSV
0092 BC (c2)
0093 +. TI 2009-05-21 10:28:02.0
0094 DC 07-F0 MDP_XRT_MODE_OBSV
0095 BC (c2)
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0096 . C. ----- Success Verify ?          OK / NG ____
0097 . C.
0098 . C. ***** XRT END *****
0099 . C.
0100 . C. ***** MDP `uAÎaî»ô¼ŸoĚÂĐa¹aēDCBC•x²è *****
0101 . C. (¼ã°îŸÓŸÃŸĚŸPŸĚŸaŸçŸéaĚ¼a¼Ā»Ūa¹aē)
0102 . S. DC-BC dcbc-402:DCBC
0103 (MDP_known_event)
0104 . C.
0105 . C.
0106 . C. ***** ŸDŸ¹•İ Daily±;İŃaĚ'Øa¹aēDCBC•x²è *****
0107 . S. DC-BC dcbc-153:DCBC
0108 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0109 . C.
0110 . C.
0111 . C. ;ãLOSŸÁŸSŸÃŸ`¼Ā»Ū;ã
0112 . C.
0113 . C. ***** LOS *****
0114 . C.

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*** OP Sequence for XRT ***

| | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|
| 2009/05/21 | 10:38:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/21 | 10:38:56.0 | XRT_FOCUS_POSITION_441_OG [0x1b9] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2009/05/21 | 10:39:00.0 | AOCS_OrE-point_Start_1_OG [0x097] | | | |
| | | AOCU_NM | 5 | 02-76 | 00 e4 73 c0 00 |
| 2009/05/21 | 10:39:16.0 | XRT_QT_PROG_SET_426_OG [0x1aa] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0e |
| 2009/05/21 | 10:39:18.0 | XRT_ARS_DIS_422_OG [0x1a6] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2009/05/21 | 10:39:20.0 | XRT_FLD_DIS_445_OG [0x1bd] | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2009/05/21 | 10:39:22.0 | XRT_FLRCTRL_DIS_425_OG [0x1a9] | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2009/05/21 | 10:42:00.0 | XRT_CTRL_AUTO_403_OG [0x193] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/21 | 11:51:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/21 | 12:19:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/21 | 13:30:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/21 | 13:57:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/21 | 15:08:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/21 | 15:43:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/21 | 15:44:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/21 | 15:48:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/21 | 15:52:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/21 | 15:53:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/21 | 16:47:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/21 | 17:29:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/21 | 17:30:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/21 | 17:59:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/21 | 17:59:56.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2009/05/21 | 18:00:00.0 | AOCS_OrE-point_Start_2_OG [0x098] | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 |
| 2009/05/21 | 18:00:16.0 | XRT_FLD_DIS_419_OG [0x1a3] | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2009/05/21 | 18:00:18.0 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2009/05/21 | 18:00:20.0 | XRT_ARS_DIS_410_OG [0x19a] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2009/05/21 | 18:02:58.0 | XRT_QT_PROG_SET_409_OG [0x199] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0f |
| 2009/05/21 | 18:03:00.0 | XRT_CTRL_AUTO_440_OG [0x1b8] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/21 | 18:09:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/21 | 18:09:56.0 | XRT_FOCUS_POSITION_441_OG [0x1b9] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2009/05/21 | 18:10:00.0 | AOCS_OrE-point_Start_1_OG [0x097] | | | |
| | | AOCU_NM | 5 | 02-76 | 00 e4 73 c0 00 |
| 2009/05/21 | 18:10:16.0 | XRT_QT_PROG_SET_412_OG [0x19c] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 08 |
| 2009/05/21 | 18:10:18.0 | XRT_ARS_DIS_422_OG [0x1a6] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2009/05/21 | 18:10:20.0 | XRT_FLD_DIS_445_OG [0x1bd] | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2009/05/21 | 18:10:22.0 | XRT_FLRCTRL_DIS_425_OG [0x1a9] | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2009/05/21 | 18:13:00.0 | XRT_CTRL_AUTO_403_OG [0x193] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/21 | 18:25:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/21 | 19:06:00.5 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/21 | 19:07:00.5 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/21 | 20:04:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/21 | 20:43:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/21 | 20:44:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/21 | 21:42:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/21 | 22:19:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/21 | 22:20:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/21 | 23:21:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/21 | 23:49:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/21 | 23:50:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |

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| | | | | | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2009/05/22 | 00:59:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 01:27:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2009/05/22 | 02:34:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 03:05:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2009/05/22 | 04:01:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 04:44:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2009/05/22 | 05:42:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 06:22:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2009/05/22 | 06:26:24.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 06:26:26.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2009/05/22 | 06:26:30.0 | AOCS_Ore-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2009/05/22 | 06:26:46.0 | XRT_FLD_DIS_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2009/05/22 | 06:26:48.0 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2009/05/22 | 06:26:50.0 | XRT_ARS_DIS_410_OG [0x19a] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2009/05/22 | 06:29:28.0 | XRT_QT_PROG_SET_404_OG [0x194] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | | | | |
| 2009/05/22 | 06:29:30.0 | XRT_CTRL_AUTO_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2009/05/22 | 06:36:24.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 06:36:26.0 | XRT_FOCUS_POSITION_441_OG [0x1b9] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2009/05/22 | 06:36:30.0 | AOCS_Ore-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 e4 73 c0 00 | | | | |
| 2009/05/22 | 06:36:46.0 | XRT_QT_PROG_SET_426_OG [0x1aa] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0e | | | | |
| 2009/05/22 | 06:36:48.0 | XRT_ARS_DIS_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2009/05/22 | 06:36:50.0 | XRT_FLD_DIS_445_OG [0x1bd] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2009/05/22 | 06:36:52.0 | XRT_FLRCTRL_DIS_425_OG [0x1a9] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2009/05/22 | 06:39:30.0 | XRT_CTRL_AUTO_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2009/05/22 | 07:22:30.5 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 08:01:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2009/05/22 | 09:02:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 09:39:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2009/05/22 | 10:44:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 11:18:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2009/05/22 | 12:29:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 12:56:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2009/05/22 | 14:07:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 14:39:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2009/05/22 | 14:40:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2009/05/22 | 15:46:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 16:29:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2009/05/22 | 16:30:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2009/05/22 | 17:24:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 18:05:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2009/05/22 | 18:05:56.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2009/05/22 | 18:06:00.0 | AOCS_Ore-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2009/05/22 | 18:06:16.0 | XRT_FLD_DIS_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2009/05/22 | 18:06:18.0 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2009/05/22 | 18:06:20.0 | XRT_ARS_DIS_410_OG [0x19a] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2009/05/22 | 18:08:58.0 | XRT_QT_PROG_SET_409_OG [0x199] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0f | | | | |
| 2009/05/22 | 18:09:00.0 | XRT_CTRL_AUTO_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2009/05/22 | 18:15:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |

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| | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|
| 2009/05/22 | 18:15:56.0 | XRT_FOCUS_POSITION_441_OG [0x1b9] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| | | XRT_FOCUS_POSITION | | 4 | 07-F8 | 22 fe 97 00 |
| 2009/05/22 | 18:16:00.0 | AOCS_OrE-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 00 e4 73 c0 00 |
| 2009/05/22 | 18:16:16.0 | XRT_QT_PROG_SET_412_OG [0x19c] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 08 |
| 2009/05/22 | 18:16:18.0 | XRT_ARS_DIS_422_OG [0x1a6] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2009/05/22 | 18:16:20.0 | XRT_FLD_DIS_445_OG [0x1bd] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2009/05/22 | 18:16:22.0 | XRT_FLRCTRL_DIS_425_OG [0x1a9] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2009/05/22 | 18:19:00.0 | XRT_CTRL_AUTO_403_OG [0x193] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/22 | 19:03:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/22 | 19:42:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2009/05/22 | 19:43:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/22 | 20:41:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/22 | 21:20:00.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2009/05/22 | 21:21:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/22 | 22:20:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/22 | 22:55:30.0 | XRT_Custom_430_OG [0x1ae] | | | | |
| 2009/05/22 | 22:56:30.5 | XRT_CTRL_AUTO_432_OG [0x1b0] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/22 | 23:58:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/23 | 00:26:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/23 | 01:36:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/23 | 02:04:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/23 | 03:10:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/23 | 03:43:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/23 | 04:40:00.0 | XRT_CTRL_MANU_428_OG [0x1ac] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/23 | 04:40:02.0 | XRT_FOCUS_POSITION_441_OG [0x1b9] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2009/05/23 | 04:40:22.0 | XRT_QT_PROG_SET_438_OG [0x1b6] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0c |
| 2009/05/23 | 04:40:24.0 | XRT_AEC_RESET_415_OG [0x19f] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2009/05/23 | 04:40:26.0 | XRT_ARS_DIS_422_OG [0x1a6] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2009/05/23 | 04:40:28.0 | XRT_FLD_DIS_445_OG [0x1bd] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2009/05/23 | 04:40:30.0 | XRT_FLRCTRL_DIS_425_OG [0x1a9] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2009/05/23 | 04:43:08.0 | XRT_CTRL_AUTO_403_OG [0x193] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/23 | 05:30:00.0 | XRT_CTRL_MANU_428_OG [0x1ac] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/23 | 05:52:24.0 | XRT_CTRL_MANU_428_OG [0x1ac] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/23 | 05:52:26.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2009/05/23 | 05:52:30.0 | AOCS_OrE-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 |
| 2009/05/23 | 05:52:46.0 | XRT_FLD_DIS_419_OG [0x1a3] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2009/05/23 | 05:52:48.0 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2009/05/23 | 05:52:50.0 | XRT_ARS_DIS_410_OG [0x19a] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2009/05/23 | 05:55:28.0 | XRT_QT_PROG_SET_404_OG [0x194] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 |
| 2009/05/23 | 05:55:30.0 | XRT_CTRL_AUTO_403_OG [0x193] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/23 | 06:02:30.0 | AOCS_OrE-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 00 e4 73 c0 00 |
| 2009/05/23 | 06:20:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/23 | 07:00:00.5 | XRT_CTRL_AUTO_432_OG [0x1b0] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/23 | 08:00:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/23 | 08:38:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/23 | 09:40:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/23 | 10:17:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/23 | 10:47:00.5 | AOCS_OrE-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 |
| 2009/05/23 | 11:27:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | |

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|------------|------------|------------------------------|---|-------|----|
| 2009/05/24 | 21:56:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/24 | 22:33:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/24 | 22:34:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/24 | 23:34:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 00:02:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 01:13:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 01:41:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 02:47:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 03:19:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 04:15:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 04:58:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 05:56:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 06:36:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 07:36:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 08:15:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 09:16:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 09:53:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 10:59:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 11:32:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 12:42:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 13:10:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 14:21:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 14:54:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/25 | 14:55:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 15:59:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 16:42:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/25 | 16:43:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 17:38:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 18:19:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/25 | 18:20:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 19:16:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 19:56:00.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/25 | 19:57:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 20:55:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 21:33:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/25 | 21:34:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/25 | 22:33:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/25 | 23:08:30.0 | XRT_Custom_430_OG [0x1ae] | | | |
| 2009/05/25 | 23:09:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/26 | 00:12:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/26 | 00:40:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/26 | 01:49:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/26 | 02:18:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/26 | 03:24:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/26 | 03:57:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/26 | 04:54:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/26 | 05:35:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/26 | 06:34:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2009/05/26 | 07:14:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2009/05/26 | 08:14:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |

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|------------|------------|------------------------------|---|----------|
| 2009/05/26 | 08:52:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 c0 |
| 2009/05/26 | 09:54:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 c1 |
| 2009/05/26 | 10:11:00.0 | XRT_Custom_430_OG [0x1ae] | | |
| 2009/05/26 | 10:12:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 c0 |