

XRT Timeline to be uploaded on 2008/09/06

Period: 2008/09/06 10:30:00 - 2008/09/11 10:53:00

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Normal mode

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| XOB #15BE: CH - Al/poly + Ti/poly + Thin-Be - AEC 1 - FOV 512x512 - 2 min cadence - lossless | | | | | | | | | | | | |
|--|--|---------------------|--|-------|------|-------|--|-----|-----|----------------------|--|---------------------------|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 09/06 10:42:00 - 09/06 16:37:00 | | Fixed (0.0, 880.0) | | | | | # OP start + 10min, N pole high-cad obs by XRT, etc. | | | | | |
| PROG= 03 Inf.-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 55 30-time(s) 120.0sec | | | | | | | | | | | | |
| Al-poly/Open | | thin-Be/Open | | close | Safe | Norm | 8.00s | Obs | 1x1 | 512x512 (1024, 1024) | | DPCM 1 0 2.0sec |
| Open/Ti-poly | | Open/thick-Al | | close | Safe | Norm | 16.0s | Obs | 1x1 | 512x512 (1024, 1024) | | DPCM 1 0 2.0sec |
| thin-Be/Open | | thin-Be/Open | | close | Safe | Norm | 64.0s | Obs | 1x1 | 512x512 (1024, 1024) | | DPCM 0 0 2.0sec |
| Default Filter | | Thicker Filter | | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | | Comp. AEC Buffer Interval |

| XOB #15A3: Synoptic Q95 2x2 - Al/poly(512/5795) + Dark cal(512 Q98) + Ti-poly(723/11571) + G-band(16) | | | | | | | | | | | | |
|---|--|-------------------|--|-------|------|-------|----------------------------|-----|-----|------------------------|--|---------------------------|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 09/06 18:04:30 - 09/07 05:49:24 | | Fixed (0.0, 0.0) | | | | | synoptic, shifted 2.5 min | | | | | |
| 09/07 17:54:30 - 09/08 05:59:54 | | Fixed (0.0, 0.0) | | | | | synoptic, shifted -7.5 min | | | | | |
| 09/08 17:58:30 - 09/09 06:28:54 | | Fixed (0.0, 0.0) | | | | | synoptic, shifted -3.5 min | | | | | |
| PROG= 11 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 12.0sec | | | | | | | | | | | | |
| └─ Seqn= 18 1-time(s) 4.0sec | | | | | | | | | | | | |
| Al-poly/Open | | Al-poly/Open | | close | Safe | Norm | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | | Q=95 0 0 2.0sec |
| Al-poly/Open | | Al-poly/thick-Al | | close | Safe | Norm | 5.66s | Obs | 2x2 | 2048x2048 (1024, 1024) | | Q=95 0 0 2.0sec |
| └─ Seqn= 72 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/Al-mesh | | Open/Al-mesh | | close | Safe | Dark | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | | Q=98 0 0 2.0sec |
| └─ Seqn= 76 1-time(s) 4.0sec | | | | | | | | | | | | |
| Open/Ti-poly | | Open/thick-Al | | close | Safe | Norm | 707ms | Obs | 2x2 | 2048x2048 (1024, 1024) | | Q=95 0 0 2.0sec |
| Open/Ti-poly | | Open/thick-Al | | close | Safe | Norm | 11.3s | Obs | 2x2 | 2048x2048 (1024, 1024) | | Q=95 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 #15A4: Synoptic Q95 2x2 - Al/mesh(512/5795) + Dark cal(512 Q98) + Ti-poly(723/11571) + G-band(16) | | | | | | | | | | | | |
|---|--|-------------------|--|-------|------|-------|-----------------------------|-----|-----|------------------------|--|---------------------------|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 09/07 05:51:30 - 09/07 07:57:00 | | Fixed (0.0, 0.0) | | | | | synoptic, shifted -10.5 min | | | | | |
| 09/08 06:02:00 - 09/08 07:59:54 | | Fixed (0.0, 0.0) | | | | | synoptic | | | | | |
| 09/09 06:31:00 - 09/09 07:59:54 | | Fixed (0.0, 0.0) | | | | | synoptic, shifted 29.0 min | | | | | |
| PROG= 12 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 12.0sec | | | | | | | | | | | | |
| └─ Seqn= 87 1-time(s) 4.0sec | | | | | | | | | | | | |
| Open/Al-mesh | | Open/Ti-poly | | close | Safe | Norm | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | | Q=95 0 0 2.0sec |
| Open/Al-mesh | | Open/Ti-poly | | close | Safe | Norm | 5.66s | Obs | 2x2 | 2048x2048 (1024, 1024) | | Q=95 0 0 2.0sec |
| └─ Seqn= 72 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/Al-mesh | | Open/Al-mesh | | close | Safe | Dark | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | | Q=98 0 0 2.0sec |
| └─ Seqn= 76 1-time(s) 4.0sec | | | | | | | | | | | | |
| Open/Ti-poly | | Open/thick-Al | | close | Safe | Norm | 707ms | Obs | 2x2 | 2048x2048 (1024, 1024) | | Q=95 0 0 2.0sec |
| Open/Ti-poly | | Open/thick-Al | | close | Safe | Norm | 11.3s | Obs | 2x2 | 2048x2048 (1024, 1024) | | Q=95 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 #15B7: XBP Q95 Al/poly (AEC4) + Ti/poly (AEC4) + Thin-Be (AEC0)- med cadence -FOV512 | | | | | | | | | | | | |
|--|--|---|--|-------|------|-------|-------------------|-----|-----|----------------------|--|---------------------------|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 09/07 08:21:00 - 09/07 09:59:54 | | Track (408.2, 234.0) [Ⓜ] 09/07 08:00:00 | | | | | * VTT QS program. | | | | | |
| PROG= 08 Inf.-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 120.0sec | | | | | | | | | | | | |
| └─ Seqn= 77 10-time(s) 60.0sec | | | | | | | | | | | | |
| Al-poly/Open | | C-poly/Open | | close | Safe | Norm | 8.00s | Obs | 1x1 | 512x512 (1024, 1024) | | Q=95 4 0 2.0sec |
| Open/Ti-poly | | Open/thick-Al | | close | Safe | Norm | 8.00s | Obs | 1x1 | 512x512 (1024, 1024) | | Q=95 4 0 2.0sec |
| └─ Subr= 2 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Seqn= 56 1-time(s) 4.0sec | | | | | | | | | | | | |
| thin-Be/Open | | thin-Be/Open | | close | Safe | Norm | 64.0s | Obs | 1x1 | 512x512 (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 |

| XOB #15BF: Filament - 2x2 Al_poly, FOV 512x256 w/ context-lossless | | | | | | | | | | | | |
|--|--|--|--|--|--|--|---------------------------------|--|--|--|--|--|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 09/07 10:02:00 - 09/07 11:55:00 | | Track (-376.9, 699.5) [Ⓜ] 09/07 10:00:00 | | | | | * HOP 73, filament observation. | | | | | |
| 09/08 08:02:00 - 09/08 11:55:00 | | Track (-292.7, 692.3) [Ⓜ] 09/08 08:00:00 | | | | | * HOP 73, filament. | | | | | |
| 09/09 08:02:00 - 09/09 11:10:00 | | Track (-190.0, 686.6) [Ⓜ] 09/09 08:00:00 | | | | | * HOP 73, filament. | | | | | |
| PROG= 20 Inf.-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 20 12-time(s) 4.0sec | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|----------|----------------|----------------|-------|------|-------|-------|-----|-----|-----------------------|-------|------------|----------|----------|
| Seqn= 83 | Al-poly/Open | Al-poly/Open | close | Safe | Norm | 11.3s | Obs | 2x2 | 512x256 (1024, 1024) | DPCM | 0 | 0 | 300.0sec |
| | Al-poly/Open | Al-poly/Open | close | Safe | Norm | 22.6s | Obs | 1x1 | 1024x512 (1024, 1024) | DPCM | 0 | 0 | 300.0sec |
| | thin-Be/Open | thin-Be/Open | close | Safe | Norm | 45.2s | Obs | 1x1 | 1024x512 (1024, 1024) | DPCM | 0 | 0 | 300.0sec |
| | Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

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Flare mode

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NOT USED

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Active Region Search

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NOT USED

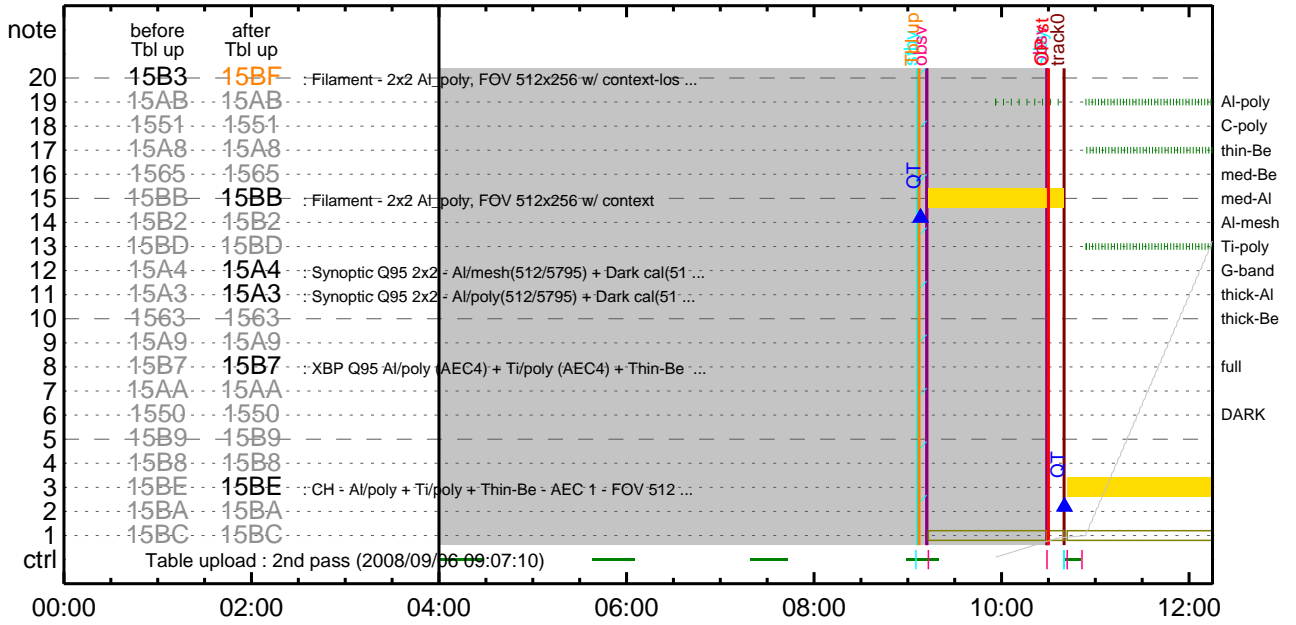
* * * * *

Flare Detection

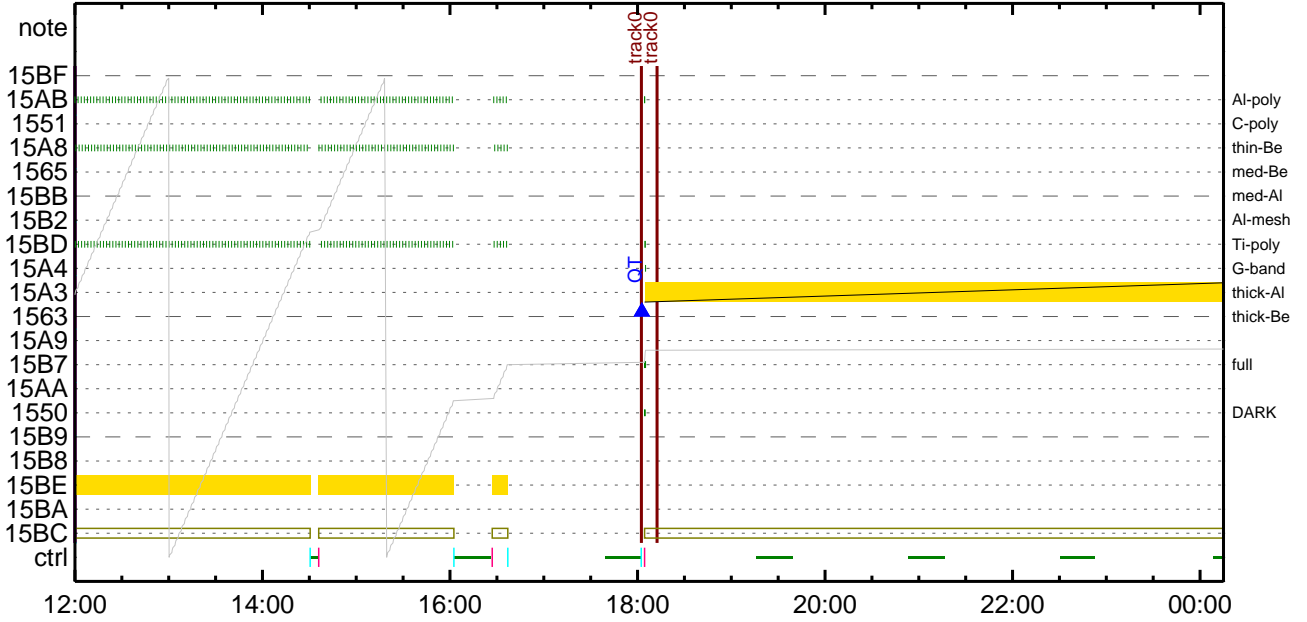
* * * * *

NOT USED

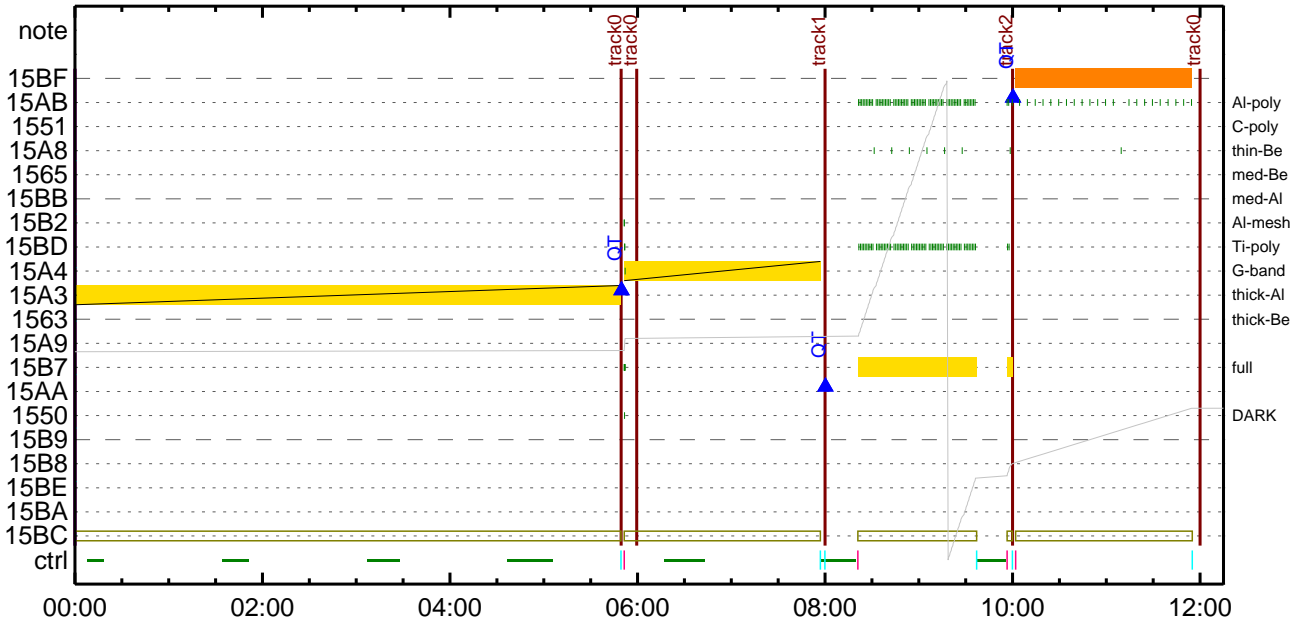
CMDI #0122 2008/09/06



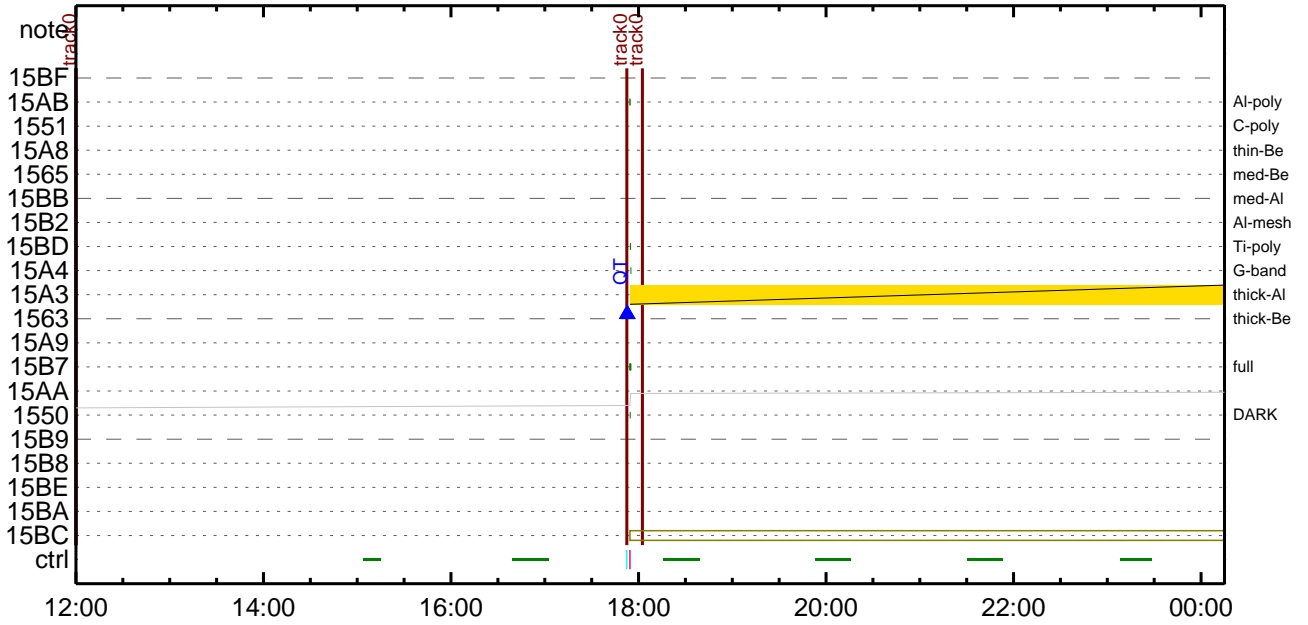
CMDI #0122 2008/09/06



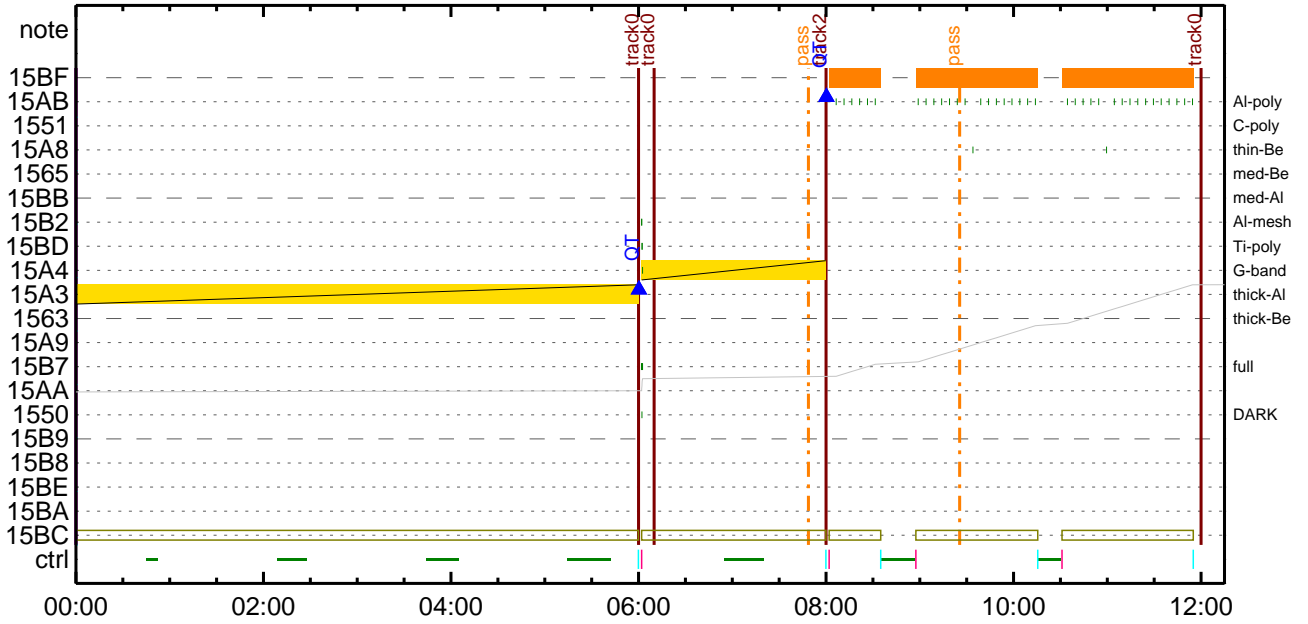
CMDI #0122 2008/09/07



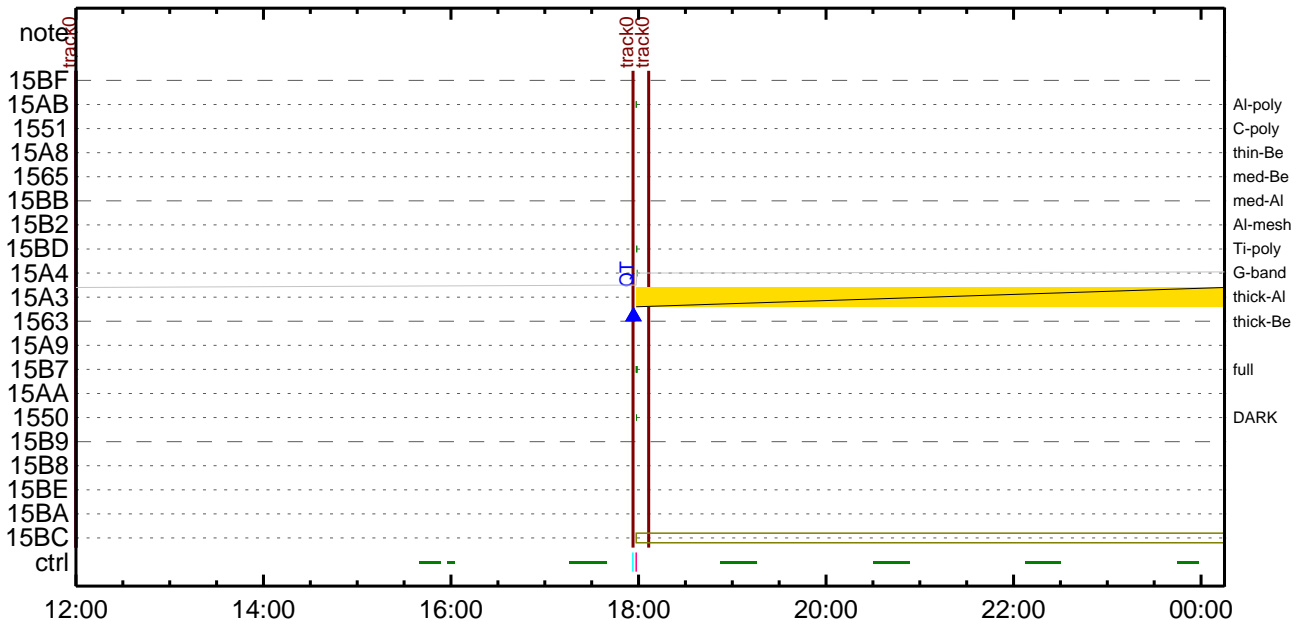
CMDI #0122 2008/09/07



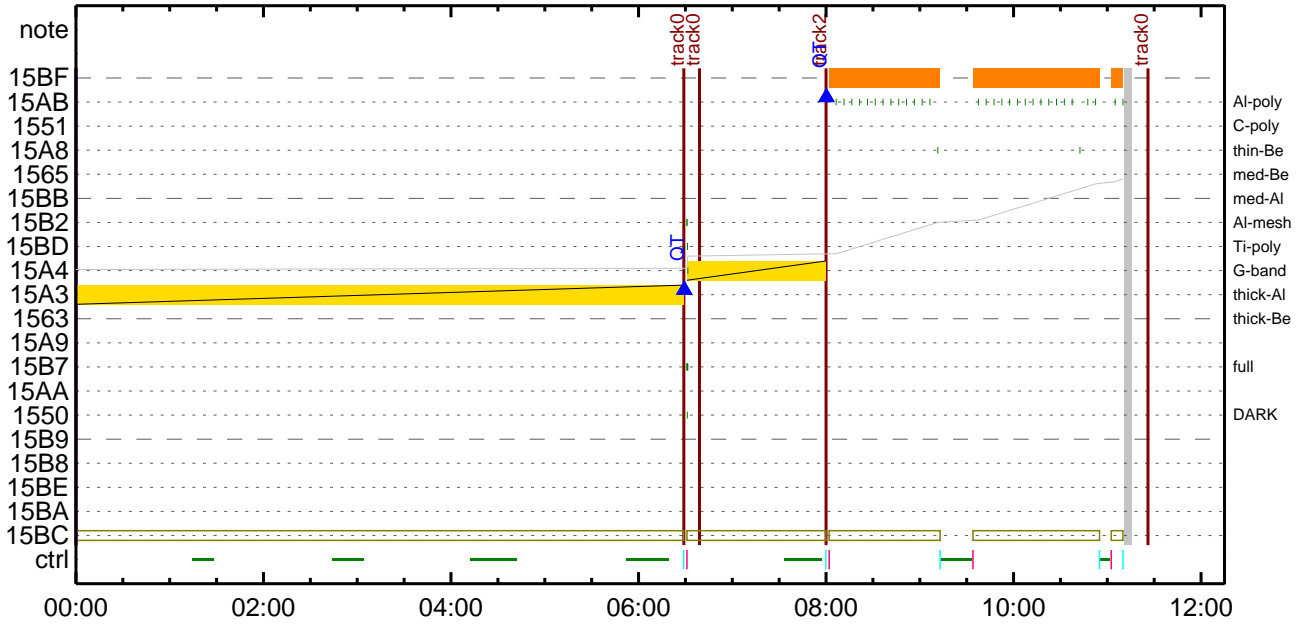
CMDI #0122 2008/09/08



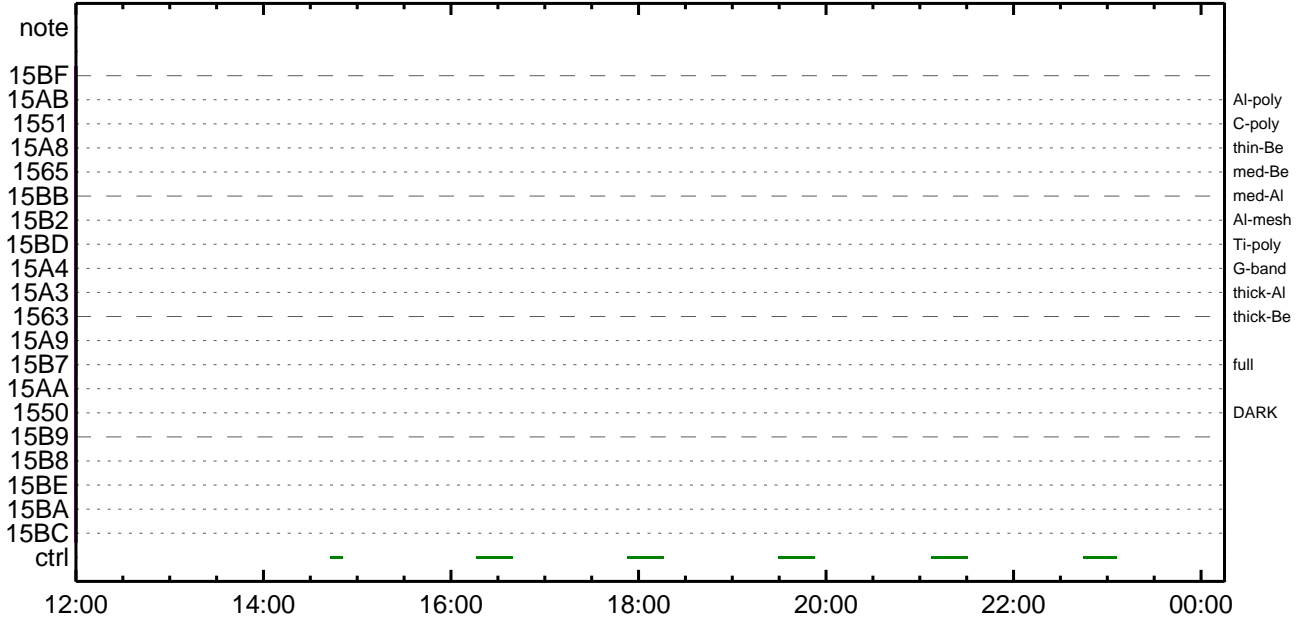
CMDI #0122 2008/09/08



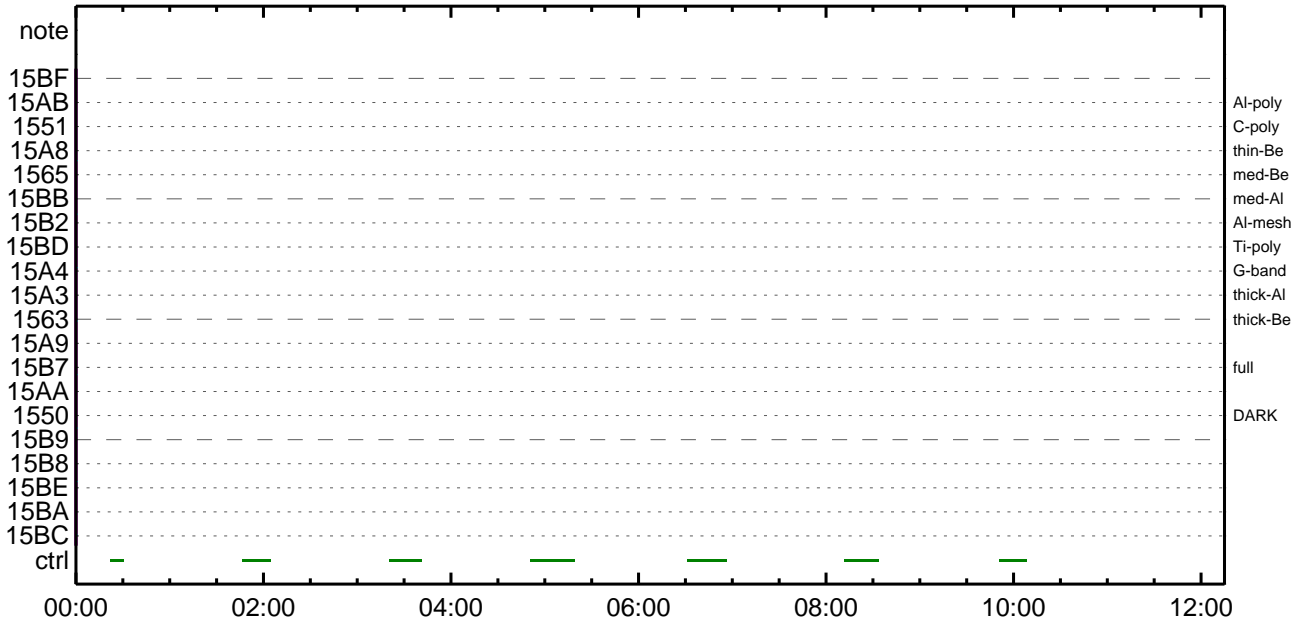
CMDI #0122 2008/09/09



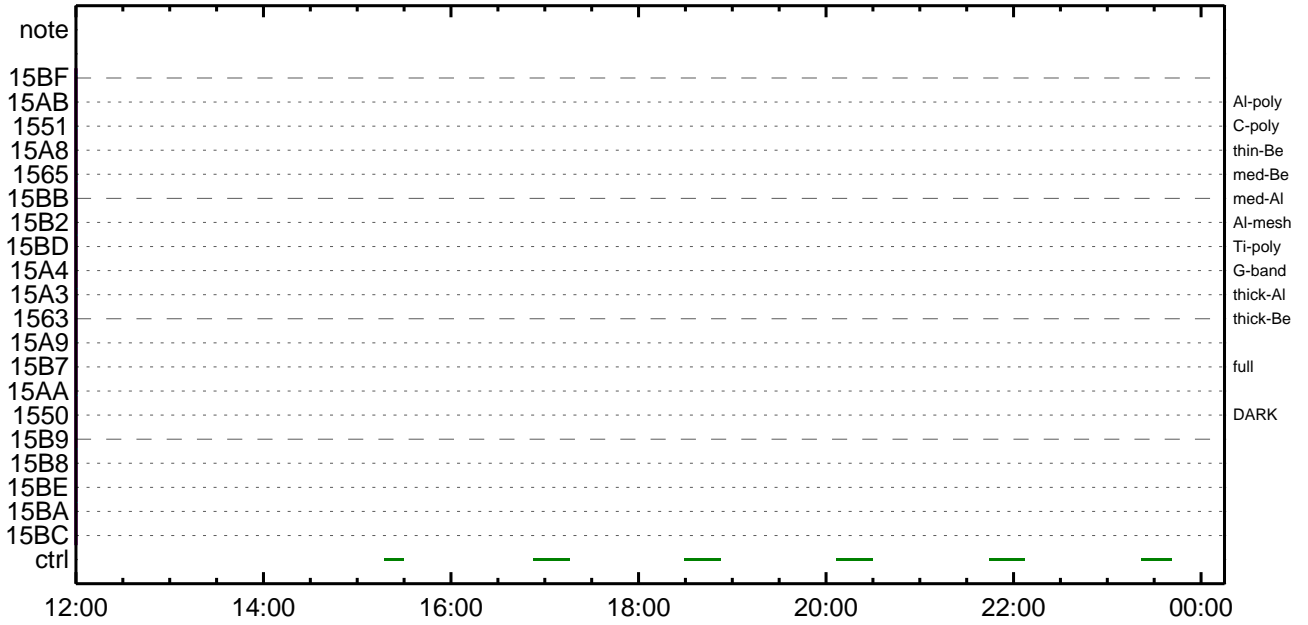
CMDI #0122 2008/09/09



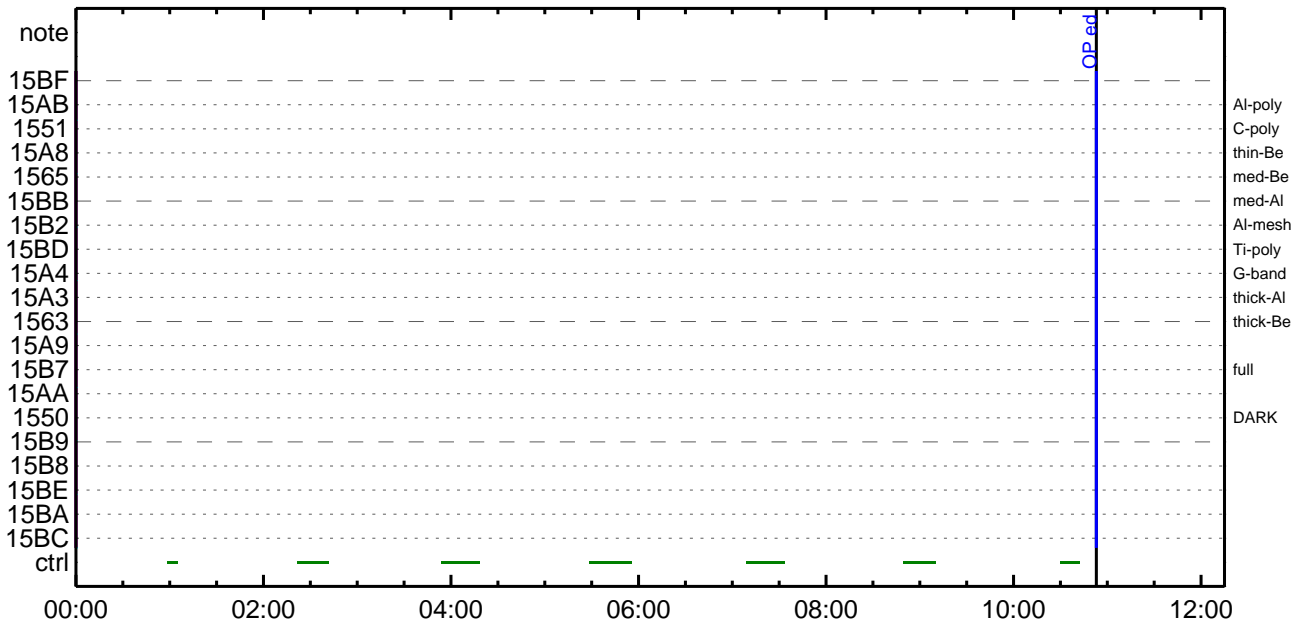
CMDI #0122 2008/09/10



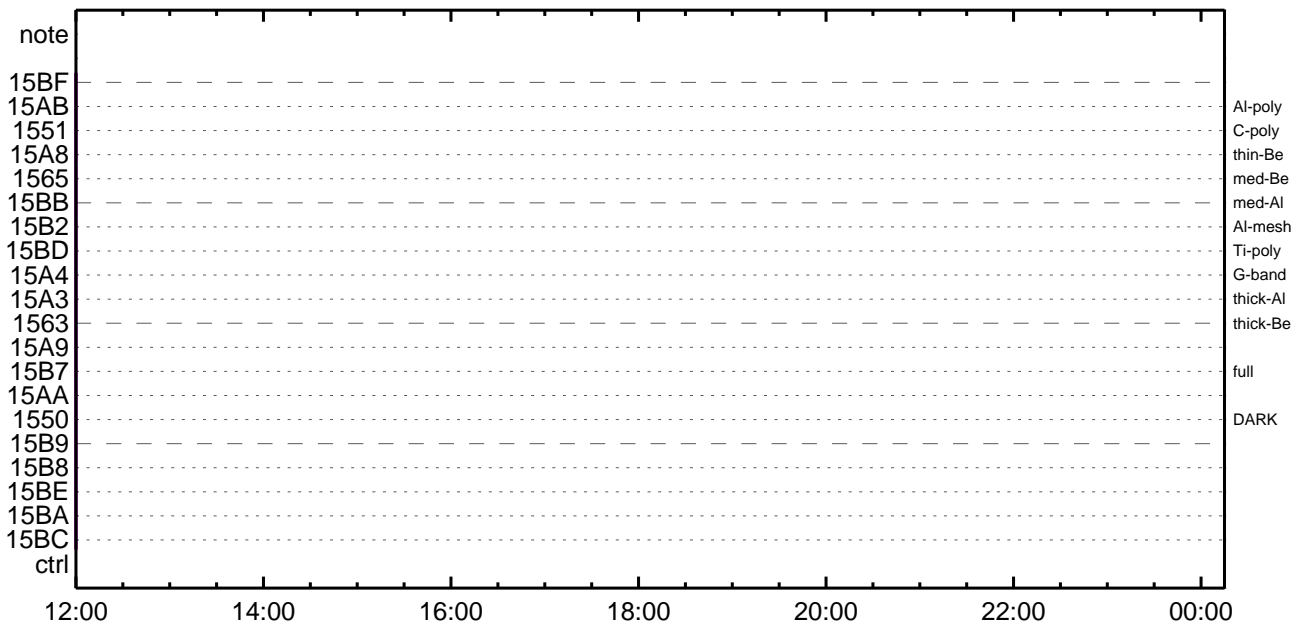
CMDI #0122 2008/09/10



CMDI #0122 2008/09/11



CMDI #0122 2008/09/11




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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-118:OP
0104 ( )
0105 S. OG og-118: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¿;çSET²EEDUMP²îÆ±°îYNY¹ç¹Ôª|²³òE;f
0181 C.
0182 C. TIY³Y²YóYÉòðÁDî¿(UT)
0183 +. TI 2008-09-06 10:25:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2008-09-06 10:25:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2008-09-06 10:25:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2008-09-06 10:29:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0198 C.
0199 C. °Ê²¼ïÄë%îíñòîŷÄŷ§ŷÄŷ-¹àîŷ
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. TIîŷ°èŷÄŷÖŷ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC      (03 ab 03 01 02)
0212 C.          çç[HK1_DMP_TOP_ADRS_1]     EQ          07
0213 C.          çç[HK1_DMP_TOP_ADRS_0]     EQ          2B
0214 C.          çç[HK1_DMP_BLOCK_NUM]       EQ          3
0215 C.          çç[HK1_DMP_REPEAT_NUM]      EQ          0
0216 C.          çç[HK1_DMA_DMP_PIM]         EQ          DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.          çç[HK1_PKT_FORM_NO]         EQ          7
0220 C.          çç[HK1_PKT_GEN_TIME]         EQ          0.25 s
0221 C.          çç[HK1_S_TLM_BIT_RATE]      EQ          32k
0222 C.          çç[HK1_X_TLM_BIT_RATE]      EQ          4M
0223 C.          çç[HK1_DMP_CHK_FLG]         EQ          EXEC
0224 C.
0225 C. ŷÄŷÖŷ×½ªî»ò³îç§
0226 C.          çç[HK1_DMP_CHK_FLG]         EQ          NON
0227 C.
0228 C. RAM ID=TI_TBLîŷ°èŷÄŷÖŷ×½ªî»ò³îç§
0229 C.
0230 C. DHUŷä;¼ŷÉ;Êŷ¼ŷ. ŷî;¼ŷÉ;Êòðîäª¹
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 2008-09-06 10:29:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC      (21 02)
0247 +. TI 2008-09-06 10:29:40.0
0248 DC 07-FC EIS_MODE_CHG_DIS
0249 BC      (22)
0250 C.          [ ] [HK1_TI_CMD_NUM]        EQ          2 COUNTUP
0251 C. ***** End EIS operation (TI set) *****
0252 C.
0253 C.
0254 C. *****
0255 C. SOT TI command set
0256 C. *****
0257 C. Execute, after the success of OP upload.
0258 +. TI 2008-09-06 10:29:16.0
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 2008-09-06 10:29:00.0
0269 DC 07-F0 MDP_XRT_MODE_STBY
0270 BC      (c3)
0271 C.          [ ] [HK1_TI_CMD_NUM]        EQ          1COUNTUP
0272 C.
0273 C. ***** XRT END *****
0274 C.
0275 C. ***** MDP ´ûÃîäî»ö¼ŷòÊÄðª¹èDCBC•x²è *****
0276 C. (¼ª°îŷÖŷÄŷÉŷŷŷÄŷŷçŷèè¼ªª¼ª»ŷª¹è)
0277 S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ŷÐŷ¹•î Daily±çîñòÊ'Øª¹èDCBC•x²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOSŷÄŷ§ŷÄŷ-¼ª»ŷ;ã
0287 C.
0288 C. ***** LOS *****
0289 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-119 2008-09-06 11:18:37 146 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Ü;ã
0005 C.
0006 C. YÀYB;¼Y³YFYóYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Èα¿αÁα•μ°Æ»Í×ÁÇαÍYçYÁY×Yí;¼YÉ;ÈÈ%μ•íÉ;ÈÈ%°ÇÔα•α¿¼í¹çαÍ;çÀ®, ùα¹αÈαBαÇÁ+¿®α•αÈααα³αÈ;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 AOCSDUMP 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.
0046 C. ***** XRT START *****
0047 C.
0048 +. DC 07-F0 MDP_XRT_CTRL_MANU
0049 BC (c1)
0050 + DC 07-F0 MDP_XRT_MODE_STBY
0051 BC (c3)
0052 . C. ----- Success Verify ? OK / NG____
0053 C.
0054 C. XRT Obs. Table Upload
0055 . S. RAM ram-291:MDP_OBS_X
0056 ( )
0057 C.
0058 +. DC 07-F0 MDP_DUMP_XRTTBL
0059 BC (84 07 00 00 00 3a d4)
0060 . C. ----- Comparison Check ? OK / ERR ____
0061 C.
0062 C.
0063 +. DC 07-F0 MDP_XRT_ROI_SET
0064 BC (cd 01 b1 b1 04 04)
0065 + DC 07-F0 MDP_XRT_ROI_SET
0066 BC (cd 02 b1 b1 08 08)
0067 + DC 07-F0 MDP_XRT_ROI_SET
0068 BC (cd 03 b1 b1 08 08)
0069 + DC 07-F0 MDP_XRT_ROI_SET
0070 BC (cd 04 b1 b1 06 06)
0071 + DC 07-F0 MDP_XRT_ROI_SET
0072 BC (cd 06 80 80 08 04)
0073 + DC 07-F0 MDP_XRT_ROI_SET
0074 BC (cd 07 80 80 10 08)
0075 + DC 07-F0 MDP_XRT_ROI_SET
0076 BC (cd 08 80 80 08 08)
0077 + DC 07-F0 MDP_XRT_ROI_SET
0078 BC (cd 09 80 80 20 20)
0079 + DC 07-F0 MDP_XRT_ROI_SET
0080 BC (cd 0f 80 80 06 06)
0081 + DC 07-F0 MDP_XRT_ROI_SET
0082 BC (cd 10 80 80 04 04)
0083 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0084 BC (c4 0f)
0085 + DC 07-F0 MDP_XRT_ARS_DIS
0086 BC (d5)
0087 + DC 07-F0 MDP_XRT_FLD_DIS
0088 BC (d9)
0089 + DC 07-F0 MDP_XRT_FLRCTRL_DIS
0090 BC (c9)
0091 . C. ----- Success Verify ? OK / NG ____
0092 C.
0093 C.
0094 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0095 C.
```

```
0096 +. DC 07-F0 MDP_XRT_MODE_OBSV
0097 BC (c2)
0098 +. DC 07-F0 MDP_XRT_CTRL_AUTO
0099 BC (c0)
0100 +. TI 2008-09-06 10:29:02.0
0101 DC 07-F0 MDP_XRT_MODE_OBSV
0102 BC (c2)
0103 +. TI 2008-09-06 10:29:04.0
0104 DC 07-F0 MDP_XRT_CTRL_AUTO
0105 BC (c0)
0106 . C. ----- Success Verify ?          OK / NG ____
0107 C.
0108 C. ***** XRT END *****
0109 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0110 +. DC 07-FC EIS_MODE_MANU
0111 BC (21 02)
0112 . C. Verify EIS in MANUAL mode
0113 . C. Estimated OBSTBL upload time is 12s
0114 C. *****
0115 C. EIS START OBSTBL LOAD
0116 C. *****
0117 . S. RAM ram-820:EIS_OBSTBL
0118 ( )
0119 +. DC 07-FC EIS_DUMP_OBSTBL
0120 BC (07 07 07 00 00 70 00)
0121 C.
0122 C. Execute, after the success of OBSTBL upload.
0123 C. Set EIS TI-commands
0124 +. TI 2008-09-06 10:29:50.0
0125 DC 07-FC EIS_MODE_CHG_ENA
0126 BC (20)
0127 . C. [ ] [HK1_TI_CMD_NUM]      EQ      1 COUNTUP
0128 C. *****
0129 C. EIS END OBSTBL LOAD
0130 C. *****
0131 C.
0132 . C. ***** MDP `uãîŕî»ö%ýŕëâðñ¹œDCBC•x²è *****
0133 C. (%á°îÿÓŸÄŸËŸŦŸËŸáŸçŸëœÈ%¼œ¼Ä»Ûñ¹è)
0134 . S. DC-BC dcbc-402:DCBC
0135 (MDP_known_event)
0136 C.
0137 C.
0138 . C. ***** ŸDŸ¹•Ï Daily±¿ÎÑœÈ´Øñ¹œèDCBC•x²è *****
0139 . S. DC-BC dcbc-153:DCBC
0140 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0141 C.
0142 C.
0143 . C. ;ãLOSŸÁŸŸŸÄŸ¬¼Ä»Û;ä
0144 C.
0145 . C. ***** LOS *****
0146 C.
```



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0096 C.
0097 C.
0098 . C. *****
0099 C. SOT table upload
0100 C. *****
0101 . C. < Stop FG table >
0102 +. DC 07-F0 MDP_FG_CTRL_MANU
0103 BC (51)
0104 C. -----
0105 C. MDP_FG_CTRL_MODE = MANU [ ]
0106 C. -----
0107 C.
0108 . C. <Upload FG Observation Table>
0109 . S. RAM ram-261:MDP_OBS_F
0110 ( )
0111 C.
0112 . C. < Dump RAMID=MDP_OBS_F >
0113 +. DC 07-F0 MDP_DUMP_FGTBL
0114 BC (82 07 00 00 00 38 b8)
0115 C. -----
0116 C. MDP_OBS_F verify = OK/NG [ ]
0117 C. -----
0118 C.
0119 . C. < Stop SP table >
0120 +. DC 07-F0 MDP_SP_CTRL_MANU
0121 BC (61)
0122 C. -----
0123 C. MDP_SP_CTRL_MODE = MANU [ ]
0124 C. -----
0125 C.
0126 . C. <Upload SP Observation Table>
0127 . S. RAM ram-286:MDP_OBS_S
0128 ( )
0129 C.
0130 . C. < Dump RAMID=MDP_OBS_S >
0131 +. DC 07-F0 MDP_DUMP_SPTBL
0132 BC (83 07 00 00 00 38 b8)
0133 C. -----
0134 C. MDP_OBS_S verify = OK/NG [ ]
0135 C. -----
0136 C.
0137 C. *****
0138 C. SOT TI command set
0139 C. *****
0140 C. Execute, after the success of TBL upload.
0141 +. TI 2008-09-06 10:29:18.0
0142 DC 07-F0 MDP_SOT_MODE_OBSV
0143 BC (40)
0144 C. -----
0145 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0146 C. -----
0147 C.
0148 C.
0149 . C. ***** MDP 'ûÃîâî»ö¼ÝðĔĀð¹ñēDCBC•x²è *****
0150 C. (¼ã°İYÓYĀYĔYĕYĖYġYŕYçYēñE¼αα¼Ā»Ūα¹ñē)
0151 . S. DC-BC dcbc-402:DCBC
0152 (MDP_known_event)
0153 C.
0154 C.
0155 . C. ***** YĐY¹•İ Daily±;İÑñĔ'Øα¹ñēDCBC•x²è *****
0156 . S. DC-BC dcbc-153:DCBC
0157 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0158 C.
0159 C.
0160 . C. ;ăĻOSYĀYŞYĀY-¼Ā»Ū;ă
0161 C.
0162 . C. ***** LOS *****
0163 C.

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*** OP Sequence for XRT ***

| | | | | | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2008/09/06 | 10:39:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/06 | 10:39:56.0 | XRT_FOCUS_POSITION_441_OG [0x1b9] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2008/09/06 | 10:40:00.0 | AOCS_ORe-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 b1 cb 00 00 | | | | |
| 2008/09/06 | 10:40:00.5 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/06 | 10:40:16.0 | XRT_QT_PROG_SET_425_OG [0x1a9] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 03 | | | | |
| 2008/09/06 | 10:41:54.0 | XRT_ARS_DIS_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/09/06 | 10:41:56.0 | XRT_FLD_DIS_445_OG [0x1bd] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/09/06 | 10:41:58.0 | XRT_FLRCTRL_DIS_416_OG [0x1a0] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/09/06 | 10:42:00.0 | XRT_CTRL_AUTO_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/06 | 10:50:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2008/09/06 | 10:51:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/06 | 14:30:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/06 | 14:35:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2008/09/06 | 14:36:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/06 | 16:02:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/06 | 16:26:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2008/09/06 | 16:27:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/06 | 16:37:00.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/06 | 18:02:24.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/06 | 18:02:26.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2008/09/06 | 18:02:30.0 | AOCS_ORe-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2008/09/06 | 18:02:46.0 | XRT_QT_PROG_SET_409_OG [0x199] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0b | | | | |
| 2008/09/06 | 18:02:48.0 | XRT_FLD_DIS_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/09/06 | 18:02:50.0 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/09/06 | 18:02:52.0 | XRT_ARS_DIS_427_OG [0x1ab] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/09/06 | 18:04:30.0 | XRT_CTRL_AUTO_444_OG [0x1bc] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/06 | 18:12:30.0 | AOCS_ORe-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 b1 cb 00 00 | | | | |
| 2008/09/07 | 05:49:24.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/07 | 05:49:26.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2008/09/07 | 05:49:30.0 | AOCS_ORe-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2008/09/07 | 05:49:46.0 | XRT_QT_PROG_SET_429_OG [0x1ad] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0c | | | | |
| 2008/09/07 | 05:49:48.0 | XRT_FLD_DIS_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/09/07 | 05:49:50.0 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/09/07 | 05:49:52.0 | XRT_ARS_DIS_427_OG [0x1ab] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/09/07 | 05:51:30.0 | XRT_CTRL_AUTO_444_OG [0x1bc] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/07 | 05:59:30.0 | AOCS_ORe-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 b1 cb 00 00 | | | | |
| 2008/09/07 | 07:57:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/07 | 07:59:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/07 | 07:59:56.0 | XRT_FOCUS_POSITION_441_OG [0x1b9] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2008/09/07 | 08:00:00.0 | AOCS_ORe-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 | | | | |
| 2008/09/07 | 08:00:16.0 | XRT_QT_PROG_SET_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 08 | | | | |
| 2008/09/07 | 08:01:54.0 | XRT_ARS_DIS_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/09/07 | 08:01:56.0 | XRT_FLD_DIS_445_OG [0x1bd] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/09/07 | 08:01:58.0 | XRT_FLRCTRL_DIS_416_OG [0x1a0] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/09/07 | 08:21:00.0 | XRT_CTRL_AUTO_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/07 | 09:37:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/07 | 09:55:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2008/09/07 | 09:56:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |

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| | | | | | | | | | | |
|------------|------------|------------------------------------|---------------------|---|-------|----|----|----|----|----|
| 2008/09/07 | 09:59:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/07 | 09:59:56.0 | XRT_FOCUS_POSITION_441_OG [0x1b9] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 | |
| 2008/09/07 | 10:00:00.0 | AOCS_Or-e-point_Start_4_OG [0x09a] | AOCU_NM | 5 | 02-76 | 02 | 00 | 00 | 00 | 00 |
| 2008/09/07 | 10:00:16.0 | XRT_QT_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 | | | |
| 2008/09/07 | 10:01:54.0 | XRT_ARS_DIS_422_OG [0x1a6] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/09/07 | 10:01:56.0 | XRT_FLD_DIS_445_OG [0x1bd] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/09/07 | 10:01:58.0 | XRT_FLRCTRL_DIS_416_OG [0x1a0] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/09/07 | 10:02:00.0 | XRT_CTRL_AUTO_403_OG [0x193] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/07 | 11:55:00.0 | XRT_CTRL_MANU_428_OG [0x1ac] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/07 | 12:00:00.0 | AOCS_Or-e-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 00 | b1 | cb | 00 | 00 |
| 2008/09/07 | 17:52:24.0 | XRT_CTRL_MANU_428_OG [0x1ac] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/07 | 17:52:26.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2008/09/07 | 17:52:30.0 | AOCS_Or-e-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2008/09/07 | 17:52:46.0 | XRT_QT_PROG_SET_409_OG [0x199] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0b | | | |
| 2008/09/07 | 17:52:48.0 | XRT_FLD_DIS_419_OG [0x1a3] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/09/07 | 17:52:50.0 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/09/07 | 17:52:52.0 | XRT_ARS_DIS_427_OG [0x1ab] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/09/07 | 17:54:30.0 | XRT_CTRL_AUTO_444_OG [0x1bc] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/07 | 18:02:30.0 | AOCS_Or-e-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 00 | b1 | cb | 00 | 00 |
| 2008/09/08 | 05:59:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/08 | 05:59:56.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2008/09/08 | 06:00:00.0 | AOCS_Or-e-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2008/09/08 | 06:00:16.0 | XRT_QT_PROG_SET_429_OG [0x1ad] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0c | | | |
| 2008/09/08 | 06:00:18.0 | XRT_FLD_DIS_419_OG [0x1a3] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/09/08 | 06:00:20.0 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/09/08 | 06:00:22.0 | XRT_ARS_DIS_427_OG [0x1ab] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/09/08 | 06:02:00.0 | XRT_CTRL_AUTO_444_OG [0x1bc] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/08 | 06:10:00.0 | AOCS_Or-e-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 00 | b1 | cb | 00 | 00 |
| 2008/09/08 | 07:59:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/08 | 07:59:56.0 | XRT_FOCUS_POSITION_441_OG [0x1b9] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 | |
| 2008/09/08 | 08:00:00.0 | AOCS_Or-e-point_Start_4_OG [0x09a] | AOCU_NM | 5 | 02-76 | 02 | 00 | 00 | 00 | 00 |
| 2008/09/08 | 08:00:16.0 | XRT_QT_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 | | | |
| 2008/09/08 | 08:01:54.0 | XRT_ARS_DIS_422_OG [0x1a6] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/09/08 | 08:01:56.0 | XRT_FLD_DIS_445_OG [0x1bd] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/09/08 | 08:01:58.0 | XRT_FLRCTRL_DIS_416_OG [0x1a0] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/09/08 | 08:02:00.0 | XRT_CTRL_AUTO_403_OG [0x193] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/08 | 08:35:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/08 | 08:56:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | | |
| 2008/09/08 | 08:57:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/08 | 10:15:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/08 | 10:30:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | | |
| 2008/09/08 | 10:31:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/08 | 11:55:00.0 | XRT_CTRL_MANU_428_OG [0x1ac] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/08 | 12:00:00.0 | AOCS_Or-e-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 00 | b1 | cb | 00 | 00 |
| 2008/09/08 | 17:56:24.0 | XRT_CTRL_MANU_428_OG [0x1ac] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/08 | 17:56:26.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2008/09/08 | 17:56:30.0 | AOCS_Or-e-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |

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|------------|------------|-----------------------------------|---|-------|----|----|----|----|----|
| 2008/09/08 | 17:56:46.0 | XRT_QT_PROG_SET_409_OG [0x199] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0b | | | |
| 2008/09/08 | 17:56:48.0 | XRT_FLD_DIS_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/09/08 | 17:56:50.0 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/09/08 | 17:56:52.0 | XRT_ARS_DIS_427_OG [0x1ab] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/09/08 | 17:58:30.0 | XRT_CTRL_AUTO_444_OG [0x1bc] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/08 | 18:06:30.0 | AOCS_OrE-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | b1 | cb | 00 | 00 |
| 2008/09/09 | 06:28:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/09 | 06:28:56.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2008/09/09 | 06:29:00.0 | AOCS_OrE-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2008/09/09 | 06:29:16.0 | XRT_QT_PROG_SET_429_OG [0x1ad] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0c | | | |
| 2008/09/09 | 06:29:18.0 | XRT_FLD_DIS_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/09/09 | 06:29:20.0 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/09/09 | 06:29:22.0 | XRT_ARS_DIS_427_OG [0x1ab] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/09/09 | 06:31:00.0 | XRT_CTRL_AUTO_444_OG [0x1bc] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/09 | 06:39:00.0 | AOCS_OrE-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | b1 | cb | 00 | 00 |
| 2008/09/09 | 07:59:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/09 | 07:59:56.0 | XRT_FOCUS_POSITION_441_OG [0x1b9] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 | |
| 2008/09/09 | 08:00:00.0 | AOCS_OrE-point_Start_4_OG [0x09a] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 02 | 00 | 00 | 00 | 00 |
| 2008/09/09 | 08:00:16.0 | XRT_QT_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 | | | |
| 2008/09/09 | 08:01:54.0 | XRT_ARS_DIS_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/09/09 | 08:01:56.0 | XRT_FLD_DIS_445_OG [0x1bd] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/09/09 | 08:01:58.0 | XRT_FLRCTRL_DIS_416_OG [0x1a0] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/09/09 | 08:02:00.0 | XRT_CTRL_AUTO_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/09 | 09:13:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/09 | 09:33:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2008/09/09 | 09:34:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/09 | 10:55:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/09 | 11:01:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2008/09/09 | 11:02:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/09/09 | 11:10:00.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/09/09 | 11:26:00.0 | AOCS_OrE-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |