

# XRT Timeline to be uploaded on 2010/02/27

Period: 2010/02/27 11:01:00 - 2010/03/03 10:14:00

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Normal mode

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XOB #1782: AR Dynamics - Ti/Poly - 512x512 - AEC 1 - Q92 - G-band Co-Align - Thick/Al												
Term	Pointing (x, y)	Comment										
02/27 11:20:12 - 02/27 14:59:54	Track ( 735.9, -273.3) @ 02/27 11:11:00	# OP start + 10min, track AR 11050.										
02/27 19:09:12 - 02/28 05:05:54	Track ( 773.2, -280.2) @ 02/27 19:00:00	* Track AR 11050.										
<b>PROG= 02 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 6 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 512x512 (1024, 1024) Q=98 0 0 2.0sec												
└─ Open/thick-Al Open/thick-Al close Safe Norm 32.0s Obs 1x1 512x512 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 3 14-time(s) 40.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 250ms Obs 1x1 512x512 (1024, 1024) Q=92 1 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #177E: AR Band during South Polar Monitor - 2084x512 - offset - Ti/Poly - 2x2 - AEC 1												
Term	Pointing (x, y)	Comment										
02/27 15:09:12 - 02/27 18:00:54	Track ( 80.0, -300.0) @ 02/27 15:00:00	* HOP 144, type II spicules, sans SOT, on-disk CH boundary.										
02/27 18:20:12 - 02/27 18:59:54	Track ( 106.2, -300.3) @ 02/27 18:11:00	# Cont.										
<b>PROG= 01 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 7 1-time(s) 105.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 1.00s Obs 2x2 2048x512 (1024, 1656) Q=95 1 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #1772: Synoptic Q95 2x2 - Al/mesh(33/512) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(64/1024) + G-band(16)-2												
Term	Pointing (x, y)	Comment										
02/27 18:04:00 - 02/27 18:10:54	Fixed ( 0.0, 0.0)	synoptic, shifted 1.0 min										
02/28 05:09:00 - 02/28 05:15:54	Fixed ( 0.0, 0.0)	* Synoptic, shifted manually.										
03/01 01:04:06 - 03/01 01:20:00	Track ( -183.3, -2.5) @ 02/28 05:16:00	* HOP 151, internetwork evolution study, 39hr, 3 min. Drive-by synoptic at 01:00 UT on 1 M										
03/01 20:26:00 - 03/01 20:32:54	Fixed ( 0.0, 0.0)	synoptic, shifted manually										
03/02 06:03:00 - 03/02 06:09:54	Fixed ( 0.0, 0.0)	synoptic										
<b>PROG= 05 1-time(s)</b>												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 4 1-time(s) 4.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 32ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 13 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= 1 1-time(s) 4.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 63ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 11 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 #1783: AP band during HOP 151 - Ti/Poly- 2x2- 512x1024 - AEC 1- Q92												
Term	Pointing (x, y)	Comment										
02/28 05:19:02 - 03/01 01:01:00	Track ( -183.3, -2.5) @ 02/28 05:16:00	* HOP 151, internetwork evolution study, 39hr, 3 min. Drive-by synoptic at 01:00 UT on 1 M										
03/01 01:23:08 - 03/01 20:22:54	Track ( -183.3, -2.5) @ 02/28 05:16:00	* HOP 151, internetwork evolution study, 39hr, 3 min. Drive-by synoptic at 01:00 UT on 1 M										
<b>PROG= 07 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 9 1-time(s) 270.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 1.00s Obs 2x2 512x1024 (1024, 1024) Q=95 1 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #1785: Coronal cavity HOP 114 DPCM 2x2-768X768-FOV -AEC2-6.67min cadence												
Term	Pointing (x, y)	Comment										
03/01 20:42:12 - 03/02 05:59:54	Fixed ( 870.0, -350.0)	# Observe AR 11050 and prominence at W limb.										
03/02 06:19:12 - 03/03 10:14:00	Fixed ( 870.0, -350.0)	# Cont.										
<b>PROG= 04 Inf.-time(s)</b>												
└─ Subr= 1 9-time(s) 400.0sec												
└─ Seqn= 12 1-time(s) 2.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 4.00s Obs 2x2 768x768 (896, 904) DPCM 2 0 2.0sec												
└─ Seqn= 14 1-time(s) 2.0sec												
└─ Open/thick-Be Open/thick-Be close Safe Norm 64.0s Obs 2x2 768x768 (1024, 1024) DPCM 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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### Flare mode

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XOB #1776: Flare Response short exp at first- Dynamics - Thick-AI - Thick-Be - AEC 1 - 384x384 - Q95												
Term		Pointing (x, y)					Comment					
02/27 11:20:12 - 02/27 14:59:54		Track ( 735.9, -273.3) @ 02/27 11:11:00					# OP start + 10min, track AR 11050.					
02/27 15:09:12 - 02/27 18:00:54		Track ( 80.0, -300.0) @ 02/27 15:00:00					* HOP 144, type II spicules, sans SOT, on-disk CH boundary.					
02/27 18:20:12 - 02/27 18:59:54		Track ( 106.2, -300.3) @ 02/27 18:11:00					# Cont.					
02/27 19:09:12 - 02/28 05:05:54		Track ( 773.2, -280.2) @ 02/27 19:00:00					* Track AR 11050.					
03/01 20:42:12 - 03/02 05:59:54		Fixed ( 870.0, -350.0)					# Observe AR 11050 and prominence at W limb.					
03/02 06:19:12 - 03/03 10:14:00		Fixed ( 870.0, -350.0)					# Cont.					
<b>PROG= 06 1-time(s)</b>												
Subr= 1 2-time(s) 2.0sec												
Seqn= 10 15-time(s) 20.0sec												
Open/thick-AI		Open/thick-AI		close	Safe	Norm	250ms	Obs	1x1	384x384 (1024, 1024)		Q=95 1 0 2.0sec
Open/thick-Be		Open/thick-Be		close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)		Q=95 1 0 2.0sec
Seqn= 2 1-time(s) 4.0sec												
Open/G-band		Open/G-band		open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)		Q=98 0 0 2.0sec
Subr= 2 8-time(s) 2.0sec												
Seqn= 10 15-time(s) 60.0sec												
Open/thick-AI		Open/thick-AI		close	Safe	Norm	250ms	Obs	1x1	384x384 (1024, 1024)		Q=95 1 0 2.0sec
Open/thick-Be		Open/thick-Be		close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)		Q=95 1 0 2.0sec
Seqn= 2 1-time(s) 4.0sec												
Open/G-band		Open/G-band		open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)		Q=98 0 0 2.0sec
Subr= 3 25-time(s) 2.0sec												
Seqn= 10 1-time(s) 600.0sec												
Open/thick-AI		Open/thick-AI		close	Safe	Norm	250ms	Obs	1x1	384x384 (1024, 1024)		Q=95 1 0 2.0sec
Open/thick-Be		Open/thick-Be		close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)		Q=95 1 0 2.0sec
Seqn= 2 1-time(s) 4.0sec												
Open/G-band		Open/G-band		open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)		Q=98 0 0 2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)		Comp.	AEC Buffer	Interval

XOB #1784: Flare Response short exp at first- Dynamics - Thick-AI - Thick-Be - AEC 1 - 512x512 - Q95												
Term		Pointing (x, y)					Comment					
02/28 05:19:02 - 03/01 01:01:00		Track ( -183.3, -2.5) @ 02/28 05:16:00					* HOP 151, internetwork evolution study, 39hr, 3 min. Drive-by synoptic at 01:00 UT on 1 M					
03/01 01:23:08 - 03/01 20:22:54		Track ( -183.3, -2.5) @ 02/28 05:16:00					* HOP 151, internetwork evolution study, 39hr, 3 min. Drive-by synoptic at 01:00 UT on 1 M					
<b>PROG= 03 1-time(s)</b>												
Subr= 1 2-time(s) 2.0sec												
Seqn= 8 15-time(s) 20.0sec												
Open/thick-AI		Open/thick-AI		close	Safe	Norm	250ms	Obs	1x1	512x512 (512, 1280)		Q=95 1 0 2.0sec
Open/thick-Be		Open/thick-Be		close	Safe	Norm	2.00s	Obs	1x1	512x512 (512, 1280)		Q=95 1 0 2.0sec
Seqn= 5 1-time(s) 4.0sec												
Open/G-band		Open/G-band		open	Safe	Norm	63ms	Obs	1x1	512x512 (512, 1280)		Q=98 0 0 2.0sec
Subr= 2 8-time(s) 2.0sec												
Seqn= 8 15-time(s) 60.0sec												
Open/thick-AI		Open/thick-AI		close	Safe	Norm	250ms	Obs	1x1	512x512 (512, 1280)		Q=95 1 0 2.0sec
Open/thick-Be		Open/thick-Be		close	Safe	Norm	2.00s	Obs	1x1	512x512 (512, 1280)		Q=95 1 0 2.0sec
Seqn= 5 1-time(s) 4.0sec												
Open/G-band		Open/G-band		open	Safe	Norm	63ms	Obs	1x1	512x512 (512, 1280)		Q=98 0 0 2.0sec
Subr= 3 25-time(s) 2.0sec												
Seqn= 8 1-time(s) 600.0sec												
Open/thick-AI		Open/thick-AI		close	Safe	Norm	250ms	Obs	1x1	512x512 (512, 1280)		Q=95 1 0 2.0sec
Open/thick-Be		Open/thick-Be		close	Safe	Norm	2.00s	Obs	1x1	512x512 (512, 1280)		Q=95 1 0 2.0sec
Seqn= 5 1-time(s) 4.0sec												
Open/G-band		Open/G-band		open	Safe	Norm	63ms	Obs	1x1	512x512 (512, 1280)		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

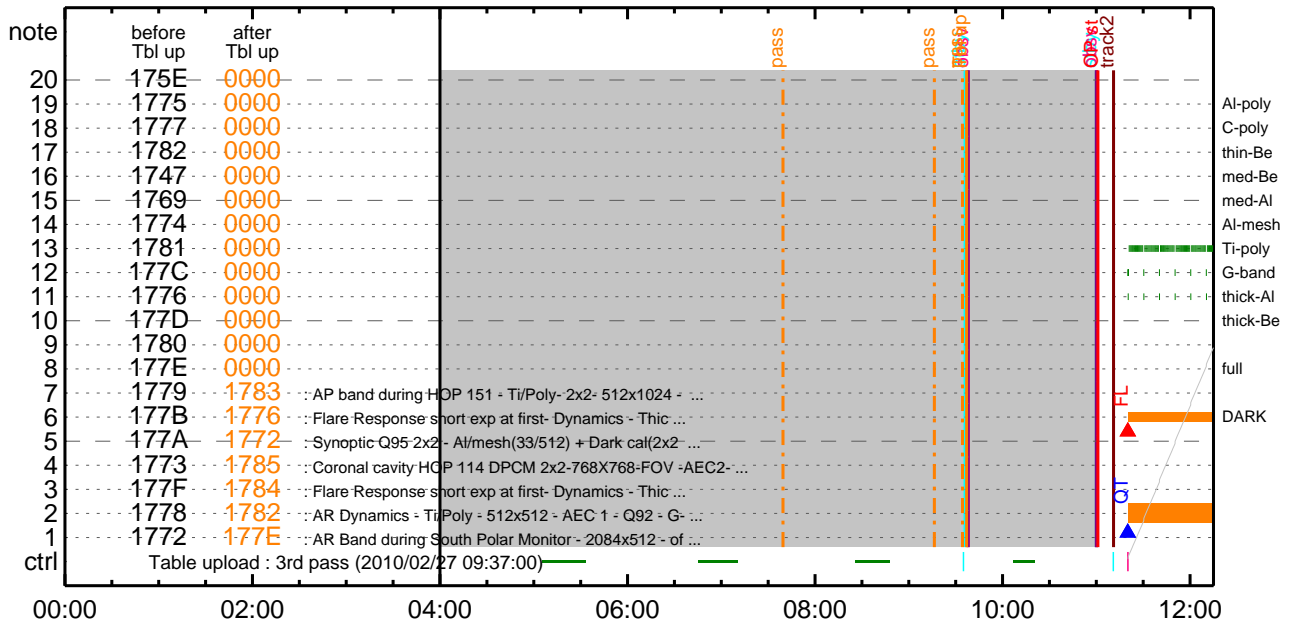
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### Flare Detection

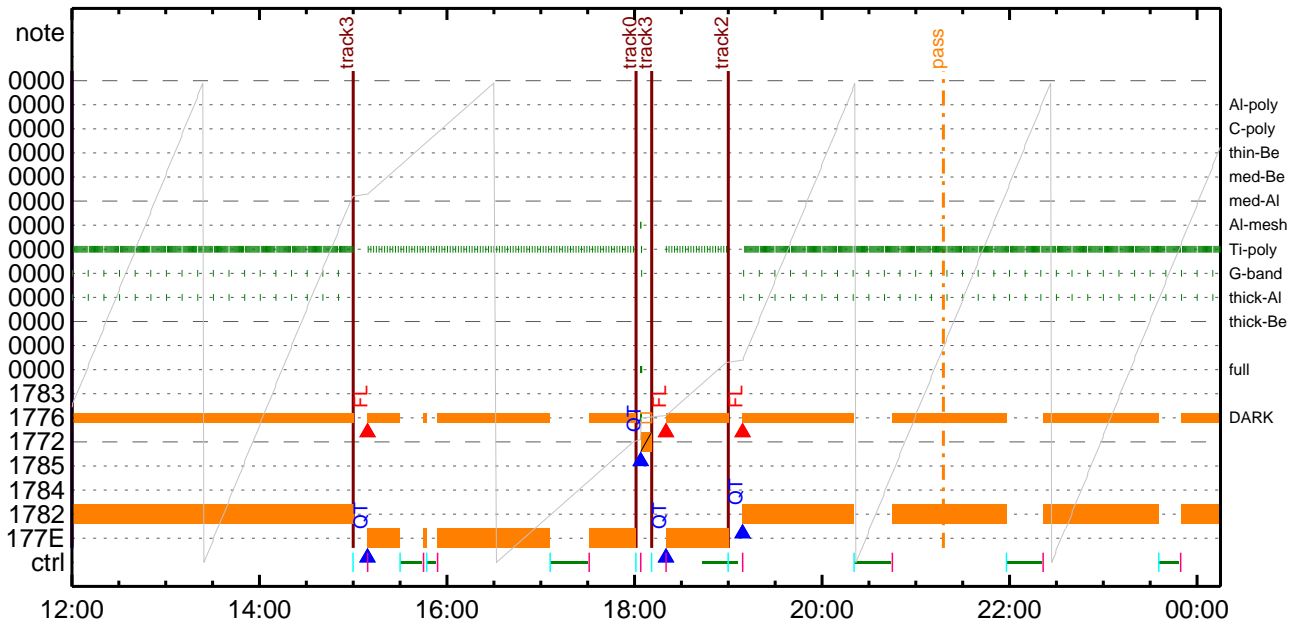
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FLD Patrol												
Term		Pointing (x, y)					Comment					
02/27 11:11:16 - 02/27 18:01:16		Track ( 735.9, -273.3) @ 02/27 11:11:00					# OP start + 10min, track AR 11050.					
02/27 18:11:16 - 02/28 05:06:16		Track ( 106.2, -300.3) @ 02/27 18:11:00					# Cont.					
03/01 20:33:16 - 03/02 06:00:16		Fixed ( 870.0, -350.0)					# Observe AR 11050 and prominence at W limb.					
03/02 06:10:16 - 03/03 10:14:00		Fixed ( 870.0, -350.0)					# Cont.					
Open/Ti-poly		Open/thick-AI		close	Safe	Norm	8ms	Obs	8x8	Q=50		120sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)		Comp.	AEC Buffer	Interval

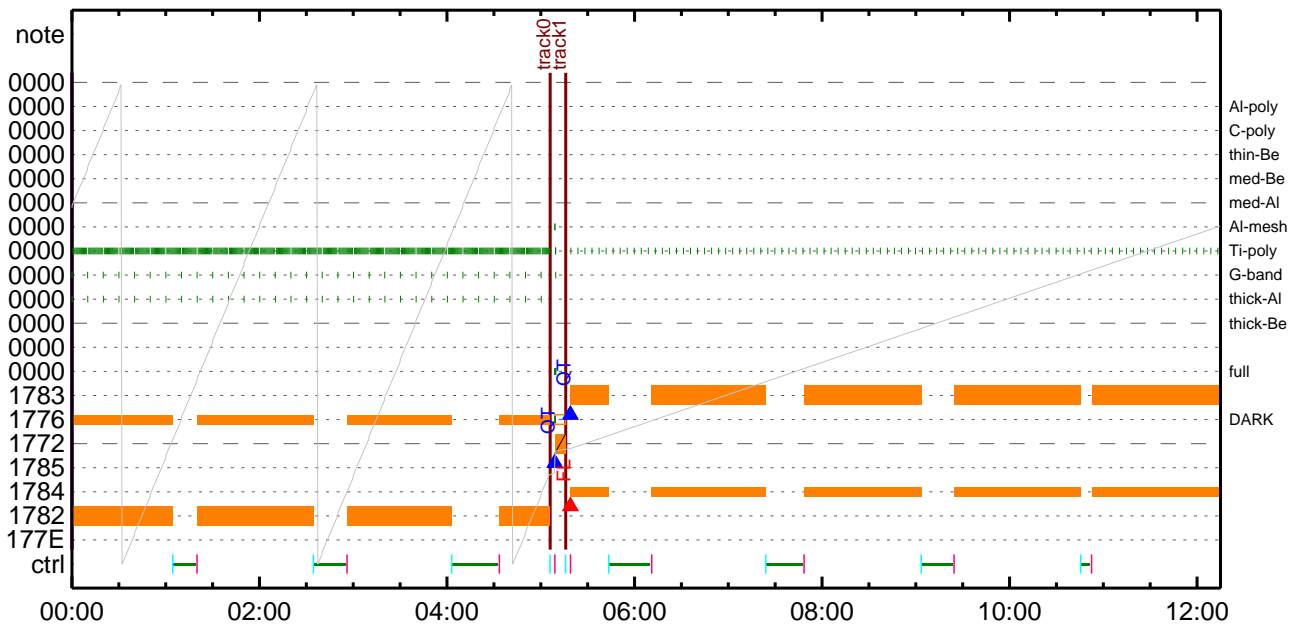
### CMDI #0117 2010/02/27



### CMDI #0117 2010/02/27

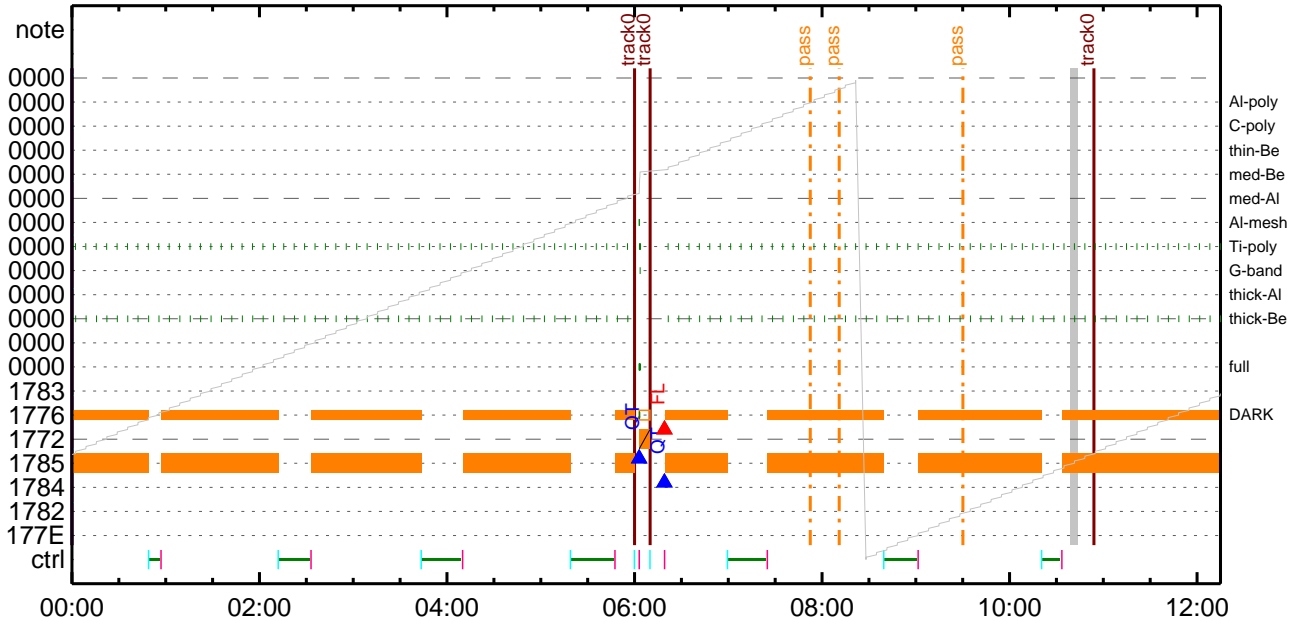


### CMDI #0117 2010/02/28

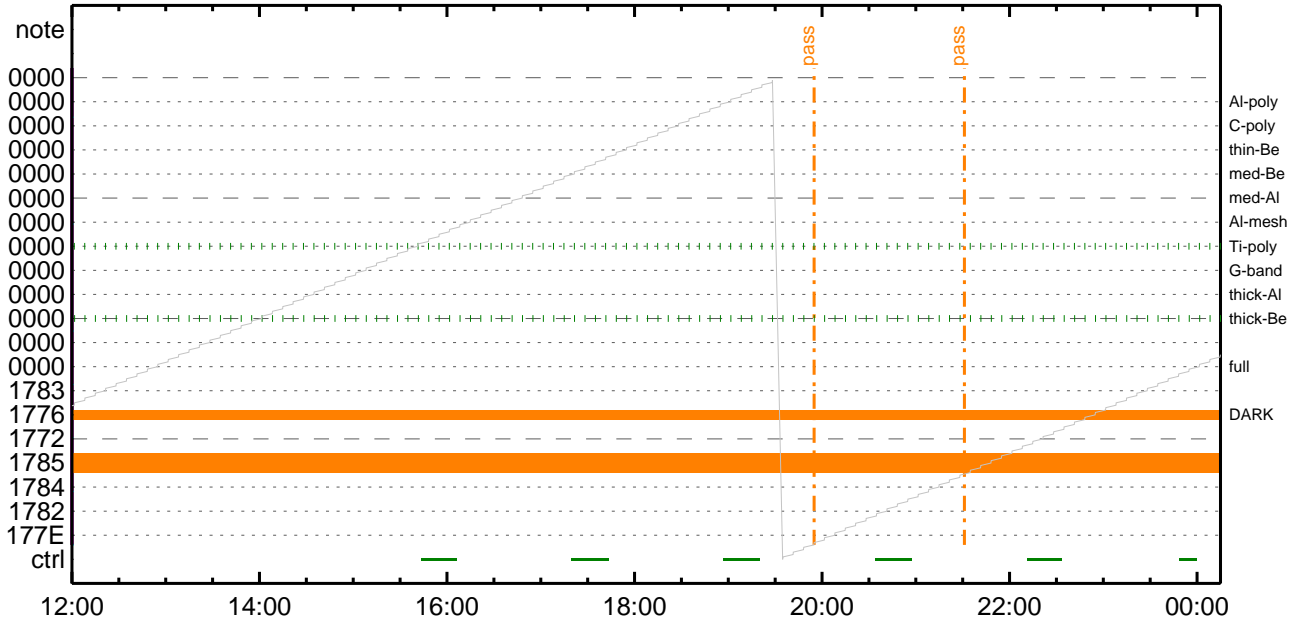




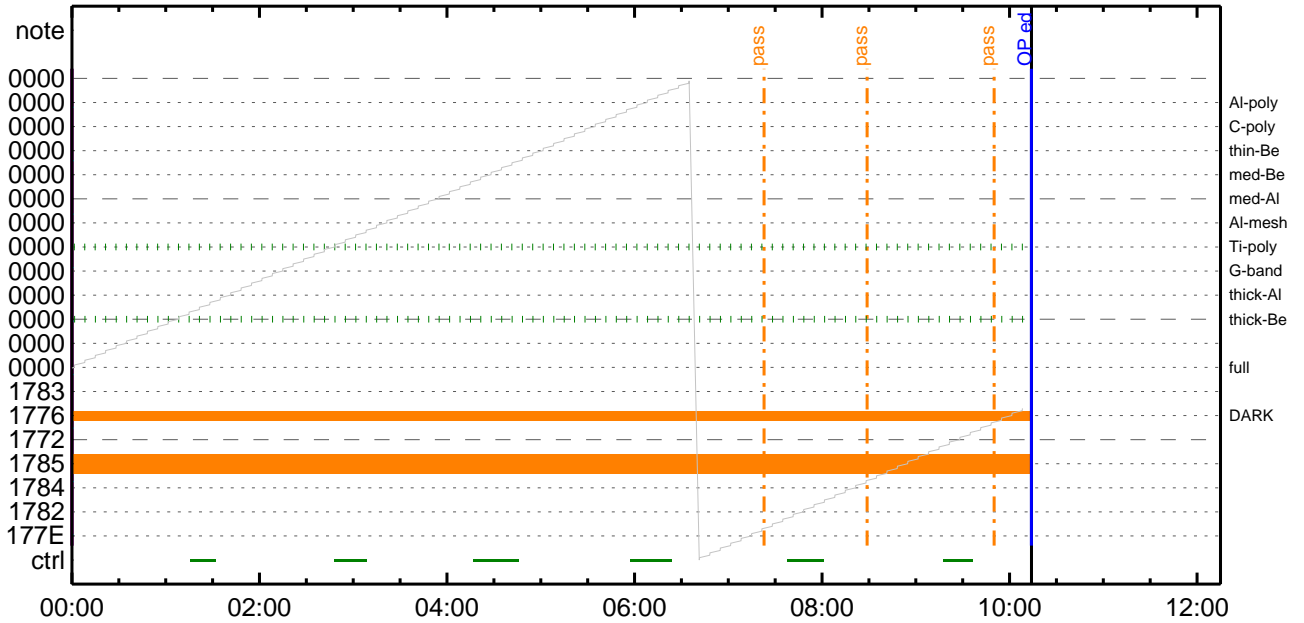
### CMDI #0117 2010/03/02



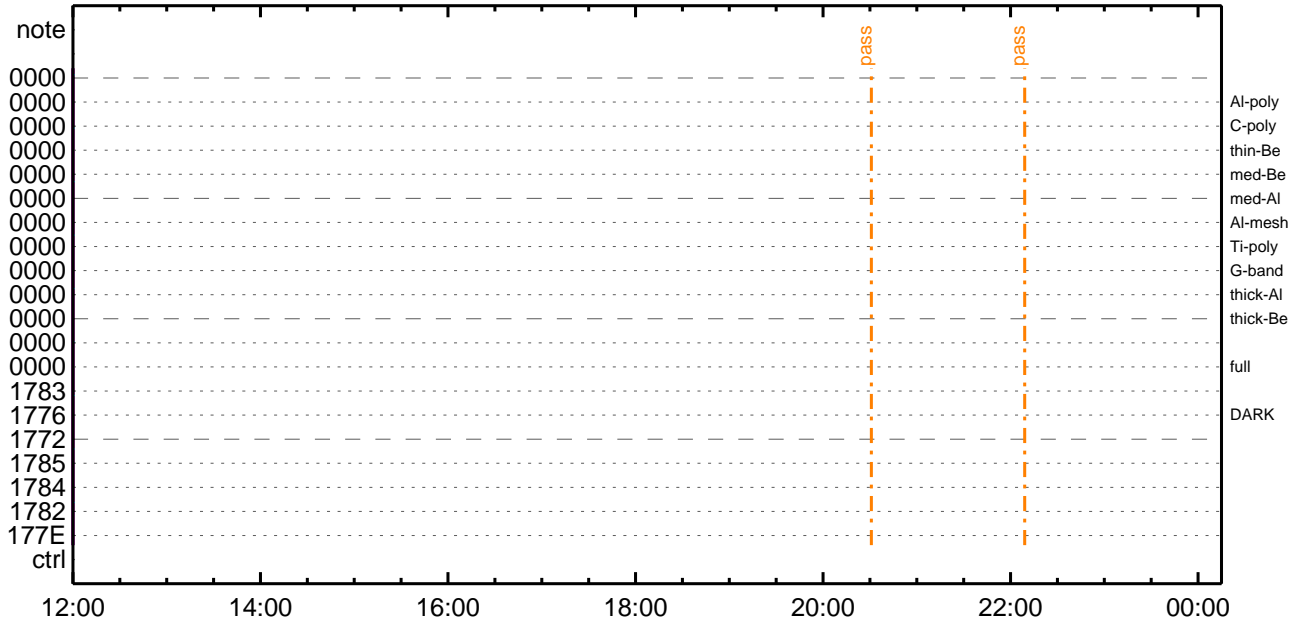
### CMDI #0117 2010/03/02



### CMDI #0117 2010/03/03



CMDI #0117 2010/03/03





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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;ä
0100 C. *****
0101 C.
0102 C. ;äOP/OGY1;4YE;ä
0103 S. OP op-200:OP
0104 ( )
0105 S. OG og-200:OG
0106 ( )
0107 C.
0108 C. ;änMOG&OPîî°èYÄYóYx;ä
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. YÄYóYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î¼E¹ç•è²îOK²³îÇ§
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. YÄYóYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î¼E¹ç•è²îOK²³îÇ§
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. YÄYóYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î¼E¹ç•è²îOK²³îÇ§
0165 C.
0166 C. ***** °E²¼²î¼E¹ç•è²îOK²³îÇ§ *****
0167 C. DHUYä;4YE;ä;E½Y½;Yi;4YE;Eòîä²¹
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-Ä÷ç@NG²î¼E¹ç•è²¼²îTI-CMDÄ÷ç²î¼E¹ç•è²¼²îO²³îE²¼²îE;f
0180 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0181 C.
0182 C. TIY³YpYóYE²òÄDîç(UT)
0183 +. TI 2010-02-27 10:56:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2010-02-27 10:56:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2010-02-27 10:56:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2010-02-27 11:00:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.      çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0198 C.
0199 C. °Ê²¼õïÄë%îíñõîŷÄŷ§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»õ³îç§
0226 C.      çç[HK1_DMP_CHK_FLG] EQ NON
0227 C.
0228 C. RAM ID=TI_TBLõîŷ°èŷÄŷÖŷ×½ªî»õ³îç§
0229 C.
0230 C. DHUŷä;¼ŷÉ;Èŷ¼ŷ¼. ŷî;¼ŷÉ;Èõðîäõ¹
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 2010-02-27 11:00:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC (21 02)
0247 +. TI 2010-02-27 11:00:40.0
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 2010-02-27 11:00:16.0
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 2010-02-27 11:00:00.0
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 ´ûÃîãî»õ¼ŷ¼õÈÄðõ¹õèDCBC•x²è *****
0276 C. (¼ª°îŷ¼ŷÄŷÉŷŷŷ¼ŷ¼ŷçŷèõ¼õõ¼Ä»ŷõ¹õè)
0277 S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ŷÐŷ¹•İ Daily±çîñõÈ'Øõ¹õèDCBC•x²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOSŷÄŷ§ŷÄŷ-¼Ä»ŷ;ä
0287 C.
0288 C. ***** LOS *****
0289 C.
```



```
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 SATUS] 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. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0130 +. DC 07-FC EIS_MODE_MANU
0131 BC (21 02)
0132 . C. Verify EIS in MANUAL mode
0133 . C. Estimated OBSTBL upload time is 13s
0134 C. *****
0135 C. EIS START OBSTBL LOAD
0136 C. *****
0137 . S. RAM ram-820:EIS_OBSTBL
0138 ( )
0139 +. DC 07-FC EIS_DUMP_OBSTBL
0140 BC (07 07 07 00 00 70 00)
0141 C.
0142 C. Execute, after the success of OBSTBL upload.
0143 C. Set EIS TI-commands
0144 +. TI 2010-02-27 11:00:50.0
0145 DC 07-FC EIS_MODE_CHG_ENA
0146 BC (20)
0147 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0148 C. *****
0149 C. EIS END OBSTBL LOAD
0150 C. *****
0151 . C. *****
0152 C. SOT table upload
0153 C. *****
0154 . C. < Stop FG table >
0155 +. DC 07-F0 MDP_FG_CTRL_MANU
0156 BC (51)
0157 . C. -----
0158 C. MDP_FG_CTRL_MODE = MANU [ ]
0159 C. -----
0160 C.
0161 . C. <Upload FG Observation Table>
0162 . S. RAM ram-262:MDP_OBS_F
0163 ( )
0164 C.
0165 . C. < Dump RAMID=MDP_OBS_F >
0166 +. DC 07-F0 MDP_DUMP_FGTBL
0167 BC (82 07 00 00 00 38 b8)
0168 C. -----
0169 C. MDP_OBS_F verify = OK/NG [ ]
0170 C. -----
0171 C.
0172 C. *****
0173 C. SOT TI command set
0174 C. *****
0175 C. Execute, after the success of TBL upload.
0176 +. TI 2010-02-27 11:00:18.0
0177 DC 07-F0 MDP_SOT_MODE_OBSV
0178 BC (40)
0179 . C. -----
0180 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0181 C. -----
0182 C.
0183 C.
0184 . C. ***** MDP `úÃîï»ò%ÿðËÄð¹ðÉDCBC•×²è *****
0185 C. (%ã°îÿÓÿÃÿËÿÏÿËÿáÿçÿè¼%ã¼Ã»Û¹¼è)
0186 . S. DC-BC dcbc-402:DCBC
0187 (MDP_known_event)
0188 C.
0189 C.
0190 . C. ***** ÿÐÿ¹•Ï Daily±¿ÎÑðË´Ø¹¼èDCBC•×²è *****
0191 . S. DC-BC dcbc-153:DCBC
0192 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0193 C.
```

0194 C.  
0195 . C. ;ãLOS¥Á¥§¥Ã¥-¼Á»Û;ã  
0196 C.  
0197 . C. \*\*\*\*\* LOS \*\*\*\*\*  
0198 C.

(a) Spacecraft Operation Procedure (real-commands)

```
main-202 2010-02-27 12:52:53 90 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È□¿□Á□•µ°È»Í×ÁÇ□íYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;È□È¼°ÇÓ□•□¿¼í¹ç□í;çÁ®, ù□¹□è□□□çÁ+¿®□•□È□□□³□È;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 06 80 80 08 08)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 07 80 cf 20 08)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 08 80 80 20 20)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 09 80 80 20 08)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 0a 80 80 08 20)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0b 80 80 08 10)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0c 70 71 0c 0c)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0d 80 80 0c 0c)
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 40 a0 08 08)
0060 + DC 07-F0 MDP_XRT_AEC_RESET
0061 BC (d0)
0062 . C. ----- Success Verify ? OK / NG ____
0063 C.
0064 C.
0065 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0066 C.
0067 +. DC 07-F0 MDP_XRT_MODE_OBSV
0068 BC (c2)
0069 +. TI 2010-02-27 11:00:02.0
0070 DC 07-F0 MDP_XRT_MODE_OBSV
0071 BC (c2)
0072 . C. ----- Success Verify ? OK / NG ____
0073 C.
0074 C. ***** XRT END *****
0075 C.
0076 . C. ***** MDP `úÁí□í»ö¼Y□ÈÁ□□èDCBC•x²è *****
0077 C. (¼á°íYÓYÁYÈY¥YÉYáYçYè□È¼□□¼Á»Û□¹□è)
0078 . S. DC-BC dcbc-402:DCBC
0079 (MDP_known_event)
0080 C.
0081 C.
0082 . C. ***** YD¥¹•í Daily±¿íÑ□È´Ø□¹□èDCBC•x²è *****
0083 . S. DC-BC dcbc-153:DCBC
0084 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0085 C.
0086 C.
0087 . C. ;ãLOS¥ÁY$YÁY-¼Á»Û;ã
0088 C.
0089 . C. ***** LOS *****
0090 C.
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\*\*\* OP Sequence for XRT \*\*\*

2010/02/27	11:10:54.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/27	11:10:56.0	XRT_FOCUS_POSITION_401_OG [0x191]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2010/02/27	11:11:00.0	AOCS_Ore-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	02 00 00 00 00		
2010/02/27	11:11:16.0	XRT_FLD_ENA_402_OG [0x192]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2010/02/27	11:11:18.0	XRT_FLD_RESET_403_OG [0x193]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2010/02/27	11:11:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2010/02/27	11:11:22.0	XRT_ARS_DIS_405_OG [0x195]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/02/27	11:20:08.0	XRT_QT_PROG_SET_406_OG [0x196]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02		
2010/02/27	11:20:10.0	XRT_FL_PROG_SET_407_OG [0x197]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 06		
2010/02/27	11:20:12.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/27	14:59:54.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/27	14:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2010/02/27	15:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	03 00 00 00 00		
2010/02/27	15:00:16.0	XRT_FLD_ENA_402_OG [0x192]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2010/02/27	15:00:18.0	XRT_FLD_RESET_403_OG [0x193]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2010/02/27	15:00:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2010/02/27	15:00:22.0	XRT_ARS_DIS_405_OG [0x195]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/02/27	15:09:08.0	XRT_QT_PROG_SET_409_OG [0x199]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01		
2010/02/27	15:09:10.0	XRT_FL_PROG_SET_407_OG [0x197]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 06		
2010/02/27	15:09:12.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/27	15:30:00.0	XRT_CTRL_MANU_410_OG [0x19a]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/27	15:44:00.0	XRT_Custom_411_OG [0x19b]					
2010/02/27	15:45:00.0	XRT_CTRL_AUTO_412_OG [0x19c]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/27	15:47:00.0	XRT_CTRL_MANU_410_OG [0x19a]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/27	15:53:00.0	XRT_Custom_411_OG [0x19b]					
2010/02/27	15:54:00.0	XRT_CTRL_AUTO_412_OG [0x19c]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/27	17:06:00.0	XRT_CTRL_MANU_410_OG [0x19a]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/27	17:30:00.0	XRT_Custom_411_OG [0x19b]					
2010/02/27	17:31:00.0	XRT_CTRL_AUTO_412_OG [0x19c]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/27	18:00:54.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/27	18:00:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2010/02/27	18:01:00.0	AOCS_Ore-point_Start_3_OG [0x099]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2010/02/27	18:01:16.0	XRT_FLD_DIS_414_OG [0x19e]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2010/02/27	18:01:18.0	XRT_FLRCTRL_DIS_415_OG [0x19f]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2010/02/27	18:01:20.0	XRT_ARS_DIS_416_OG [0x1a0]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/02/27	18:03:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05		
2010/02/27	18:04:00.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/02/27	18:10:54.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/02/27	18:10:56.0	XRT_FOCUS_POSITION_401_OG [0x191]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2010/02/27	18:11:00.0	AOCS_Ore-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	03 00 00 00 00		
2010/02/27	18:11:16.0	XRT_FLD_ENA_402_OG [0x192]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2010/02/27	18:11:18.0	XRT_FLD_RESET_403_OG [0x193]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2010/02/27	18:11:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2010/02/27	18:11:22.0	XRT_ARS_DIS_405_OG [0x195]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/02/27	18:20:08.0	XRT_QT_PROG_SET_409_OG [0x199]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01		
2010/02/27	18:20:10.0	XRT_FL_PROG_SET_407_OG [0x197]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 06		
2010/02/27	18:20:12.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		

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2010/02/27	18:59:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/27	18:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/02/27	19:00:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02 00 00 00 00				
2010/02/27	19:00:16.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/02/27	19:00:18.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/02/27	19:00:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/02/27	19:00:22.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/02/27	19:09:08.0	XRT_QT_PROG_SET_406_OG [0x196]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02				
2010/02/27	19:09:10.0	XRT_FL_PROG_SET_407_OG [0x197]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 06				
2010/02/27	19:09:12.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/27	20:20:30.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/27	20:44:00.0	XRT_Custom_411_OG [0x19b]							
2010/02/27	20:45:00.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/27	21:58:00.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/27	22:20:30.0	XRT_Custom_411_OG [0x19b]							
2010/02/27	22:21:30.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/27	23:35:30.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/27	23:48:30.0	XRT_Custom_411_OG [0x19b]							
2010/02/27	23:49:30.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/28	01:04:30.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/28	01:19:00.0	XRT_Custom_411_OG [0x19b]							
2010/02/28	01:20:00.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/28	02:34:30.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/28	02:55:00.0	XRT_Custom_411_OG [0x19b]							
2010/02/28	02:56:00.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/28	04:03:00.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/28	04:32:30.5	XRT_Custom_411_OG [0x19b]							
2010/02/28	04:33:30.5	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/28	05:05:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/28	05:05:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/02/28	05:06:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/02/28	05:06:16.0	XRT_FLD_DIS_414_OG [0x19e]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/02/28	05:06:18.0	XRT_FLRCTRL_DIS_415_OG [0x19f]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/02/28	05:06:20.0	XRT_ARS_DIS_416_OG [0x1a0]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/02/28	05:08:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05				
2010/02/28	05:09:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/28	05:15:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/28	05:15:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/02/28	05:16:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2010/02/28	05:16:16.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/02/28	05:16:18.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/02/28	05:16:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/02/28	05:16:22.0	XRT_ARS_DIS_418_OG [0x1a2]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/02/28	05:18:58.0	XRT_QT_PROG_SET_419_OG [0x1a3]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/02/28	05:19:00.0	XRT_FL_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 03				
2010/02/28	05:19:02.5	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/28	05:43:30.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/02/28	06:10:00.0	XRT_Custom_411_OG [0x19b]							
2010/02/28	06:11:00.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/02/28	07:24:00.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				

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2010/02/28	07:47:30.0	XRT_Custom_411_OG [0x19b]			
2010/02/28	07:48:30.0	XRT_CTRL_AUTO_412_OG [0x19c]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/28	09:03:30.0	XRT_CTRL_MANU_410_OG [0x19a]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/28	09:23:30.0	XRT_Custom_411_OG [0x19b]			
2010/02/28	09:24:30.0	XRT_CTRL_AUTO_412_OG [0x19c]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/28	10:45:30.0	XRT_CTRL_MANU_410_OG [0x19a]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/28	10:51:30.0	XRT_Custom_411_OG [0x19b]			
2010/02/28	10:52:30.0	XRT_CTRL_AUTO_412_OG [0x19c]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/28	14:32:30.0	XRT_CTRL_MANU_410_OG [0x19a]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/28	14:41:00.0	XRT_Custom_411_OG [0x19b]			
2010/02/28	14:42:00.0	XRT_CTRL_AUTO_412_OG [0x19c]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/28	16:06:30.0	XRT_CTRL_MANU_410_OG [0x19a]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/28	16:30:00.0	XRT_Custom_411_OG [0x19b]			
2010/02/28	16:31:00.0	XRT_CTRL_AUTO_412_OG [0x19c]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/28	17:43:00.0	XRT_CTRL_MANU_410_OG [0x19a]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/28	18:06:30.0	XRT_Custom_411_OG [0x19b]			
2010/02/28	18:07:30.0	XRT_CTRL_AUTO_412_OG [0x19c]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/28	19:20:00.0	XRT_CTRL_MANU_410_OG [0x19a]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/28	19:43:30.0	XRT_Custom_411_OG [0x19b]			
2010/02/28	19:44:30.0	XRT_CTRL_AUTO_412_OG [0x19c]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/28	20:57:30.0	XRT_CTRL_MANU_410_OG [0x19a]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/28	21:21:00.0	XRT_Custom_411_OG [0x19b]			
2010/02/28	21:22:00.0	XRT_CTRL_AUTO_412_OG [0x19c]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/02/28	22:35:00.0	XRT_CTRL_MANU_410_OG [0x19a]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/02/28	22:56:00.0	XRT_Custom_411_OG [0x19b]			
2010/02/28	22:57:00.0	XRT_CTRL_AUTO_412_OG [0x19c]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/01	00:12:30.0	XRT_CTRL_MANU_410_OG [0x19a]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/01	00:21:00.0	XRT_Custom_411_OG [0x19b]			
2010/03/01	00:22:00.0	XRT_CTRL_AUTO_412_OG [0x19c]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/01	01:01:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/01	01:01:02.0	XRT_FOCUS_POSITION_413_OG [0x19d]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/03/01	01:01:22.0	XRT_FLD_DIS_414_OG [0x19e]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2010/03/01	01:01:24.0	XRT_FLRCTRL_DIS_415_OG [0x19f]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/03/01	01:01:26.0	XRT_ARS_DIS_416_OG [0x1a0]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/03/01	01:04:04.0	XRT_QT_PROG_SET_417_OG [0x1a1]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05
2010/03/01	01:04:06.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/01	01:20:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/01	01:20:02.0	XRT_FOCUS_POSITION_401_OG [0x191]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/03/01	01:20:22.0	XRT_FLD_ENA_402_OG [0x192]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/03/01	01:20:24.0	XRT_FLD_RESET_403_OG [0x193]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/03/01	01:20:26.0	XRT_FLRCTRL_ENA_404_OG [0x194]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/03/01	01:20:28.0	XRT_ARS_DIS_418_OG [0x1a2]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/03/01	01:23:04.0	XRT_QT_PROG_SET_419_OG [0x1a3]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07
2010/03/01	01:23:06.0	XRT_FL_PROG_SET_420_OG [0x1a4]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 03
2010/03/01	01:23:08.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/01	01:37:00.0	XRT_CTRL_MANU_410_OG [0x19a]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/01	01:55:00.0	XRT_Custom_411_OG [0x19b]			
2010/03/01	01:56:00.0	XRT_CTRL_AUTO_412_OG [0x19c]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/01	03:11:00.0	XRT_CTRL_MANU_410_OG [0x19a]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/01	03:32:00.0	XRT_Custom_411_OG [0x19b]			
2010/03/01	03:33:00.0	XRT_CTRL_AUTO_412_OG [0x19c]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/01	04:41:00.0	XRT_CTRL_MANU_410_OG [0x19a]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/01	05:09:30.0	XRT_Custom_411_OG [0x19b]			

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2010/03/01	05:10:30.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/01	06:21:30.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/01	06:47:00.0	XRT_Custom_411_OG [0x19b]							
2010/03/01	06:48:00.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/01	08:02:00.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/01	08:24:00.0	XRT_Custom_411_OG [0x19b]							
2010/03/01	08:25:00.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/01	09:41:30.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/01	09:59:00.0	XRT_Custom_411_OG [0x19b]							
2010/03/01	10:00:00.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/01	15:07:30.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/01	15:20:00.0	XRT_Custom_411_OG [0x19b]							
2010/03/01	15:21:00.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/01	16:43:00.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/01	17:06:30.0	XRT_Custom_411_OG [0x19b]							
2010/03/01	17:07:30.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/01	18:20:00.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/01	18:43:30.0	XRT_Custom_411_OG [0x19b]							
2010/03/01	18:44:30.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/01	19:57:00.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/01	20:20:30.0	XRT_Custom_411_OG [0x19b]							
2010/03/01	20:21:30.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/01	20:22:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/01	20:22:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/03/01	20:23:00.0	AOCs_OrE-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/03/01	20:23:16.0	XRT_FLD_DIS_414_OG [0x19e]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/03/01	20:23:18.0	XRT_FLRCTRL_DIS_415_OG [0x19f]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/03/01	20:23:20.0	XRT_ARS_DIS_416_OG [0x1a0]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/03/01	20:25:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05				
2010/03/01	20:26:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/01	20:32:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/01	20:32:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/03/01	20:33:00.0	AOCs_OrE-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00 1f 1a b2 a8				
2010/03/01	20:33:16.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/03/01	20:33:18.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/03/01	20:33:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/03/01	20:33:22.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/03/01	20:42:08.0	XRT_QT_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04				
2010/03/01	20:42:10.0	XRT_FL_PROG_SET_407_OG [0x197]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 06				
2010/03/01	20:42:12.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/01	21:34:30.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/01	21:57:30.0	XRT_Custom_411_OG [0x19b]							
2010/03/01	21:58:30.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/01	23:12:00.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/01	23:30:30.0	XRT_Custom_411_OG [0x19b]							
2010/03/01	23:31:30.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/02	00:49:00.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/02	00:56:00.0	XRT_Custom_411_OG [0x19b]							
2010/03/02	00:57:00.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/02	02:12:00.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/02	02:32:00.0	XRT_Custom_411_OG [0x19b]							
2010/03/02	02:33:00.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				

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2010/03/02	03:43:30.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/02	04:09:00.0	XRT_Custom_411_OG [0x19b]							
2010/03/02	04:10:00.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/02	05:19:00.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/02	05:46:30.5	XRT_Custom_411_OG [0x19b]							
2010/03/02	05:47:30.5	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/02	05:59:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/02	05:59:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/03/02	06:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/03/02	06:00:16.0	XRT_FLD_DIS_414_OG [0x19e]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/03/02	06:00:18.0	XRT_FLRCTRL_DIS_415_OG [0x19f]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/03/02	06:00:20.0	XRT_ARS_DIS_416_OG [0x1a0]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/03/02	06:02:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05				
2010/03/02	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/02	06:09:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/02	06:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/03/02	06:10:00.0	AOCS_ORe-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00 1f 1a b2 a8				
2010/03/02	06:10:16.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/03/02	06:10:18.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/03/02	06:10:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/03/02	06:10:22.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/03/02	06:19:08.0	XRT_QT_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04				
2010/03/02	06:19:10.0	XRT_FL_PROG_SET_407_OG [0x197]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 06				
2010/03/02	06:19:12.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/02	06:59:30.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/02	07:24:00.5	XRT_Custom_411_OG [0x19b]							
2010/03/02	07:25:00.5	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/02	08:39:30.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/02	09:00:30.0	XRT_Custom_411_OG [0x19b]							
2010/03/02	09:01:30.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/02	10:20:30.0	XRT_CTRL_MANU_410_OG [0x19a]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/02	10:32:30.0	XRT_Custom_411_OG [0x19b]							
2010/03/02	10:33:30.0	XRT_CTRL_AUTO_412_OG [0x19c]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/02	10:54:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				