

XRT Timeline to be uploaded on 2010/06/19

Period: 2010/06/19 10:54:00 - 2010/06/23 11:44:00

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Normal mode

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XOB #17D5: AR Dynamics- Ti/Poly(384FOV) AEC2_3 Q95, G-band(512FOV) - 1min cadence													
Term	Pointing (x, y)							Comment					
06/19 11:26:06 - 06/19 17:29:30	Track (-148.9, 385.4) ^{Ⓜ 06/19 11:04:00}	# OP start + 10min, HOP 150, track AR 11082 looking for filament eruption..											
06/19 18:26:00 - 06/20 05:59:54	Track (-90.8, 384.7) ^{Ⓜ 06/19 18:23:00}	# Cont.											
PROG= 15 Inf.-time(s)													
└─ Subr= 1 1-time(s) 30.0sec													
└─ Seqn= 27 1-time(s) 30.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	512x512 (1064, 1048)	Q=98	0	0	2.0sec
└─ Subr= 2 15-time(s) 60.0sec													
└─ Seqn= 25 1-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─ Seqn= 26 1-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #17B9: Synoptic Q95 2x2 - Al/mesh(16/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(33/2048) + G-band(16)												
Term	Pointing (x, y)							Comment				
06/19 18:16:00 - 06/19 18:22:54	Fixed (0.0, 0.0)	synoptic, shifted 13.0 min										
06/20 06:03:00 - 06/20 06:09:54	Fixed (0.0, 0.0)	synoptic										
06/20 17:55:00 - 06/20 18:06:30	Fixed (0.0, 0.0)	synoptic, shifted -8.0 min										
06/21 06:15:00 - 06/21 06:21:54	Fixed (0.0, 0.0)	synoptic, shifted 12.0 min										

PROG= 03 1-time(s)													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 7 1-time(s) 4.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 5 1-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x512 (1024, 1024)	DPCM	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	512x2048 (1024, 1024)	DPCM	0	0	2.0sec
└─ Seqn= 8 1-time(s) 4.0sec													
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	32ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 4 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 #17D4: AR Dynamics- Ti/Poly(384FOV) AEC2_3 Q95, G-band(512FOV) - 3min cadence													
Term	Pointing (x, y)							Comment					
06/20 06:13:00 - 06/20 09:48:30	Track (3.6, 383.7) ^{Ⓜ 06/20 06:10:00}	# Cont.											
06/20 15:27:04 - 06/20 17:51:54	Track (-0.5, 402.6) ^{Ⓜ 06/20 15:00:00}	* Resume tracking AR 11082.											
06/20 18:50:04 - 06/21 06:11:54	Track (23.5, 402.3) ^{Ⓜ 06/20 18:02:00}	# Cont.											
06/21 06:25:00 - 06/21 07:06:00	Track (120.5, 401.7) ^{Ⓜ 06/21 06:22:00}	# Cont.											
PROG= 14 Inf.-time(s)													
└─ Subr= 1 1-time(s) 30.0sec													
└─ Seqn= 27 1-time(s) 30.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	512x512 (1064, 1048)	Q=98	0	0	2.0sec
└─ Subr= 2 15-time(s) 180.0sec													
└─ Seqn= 25 1-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─ Seqn= 26 1-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

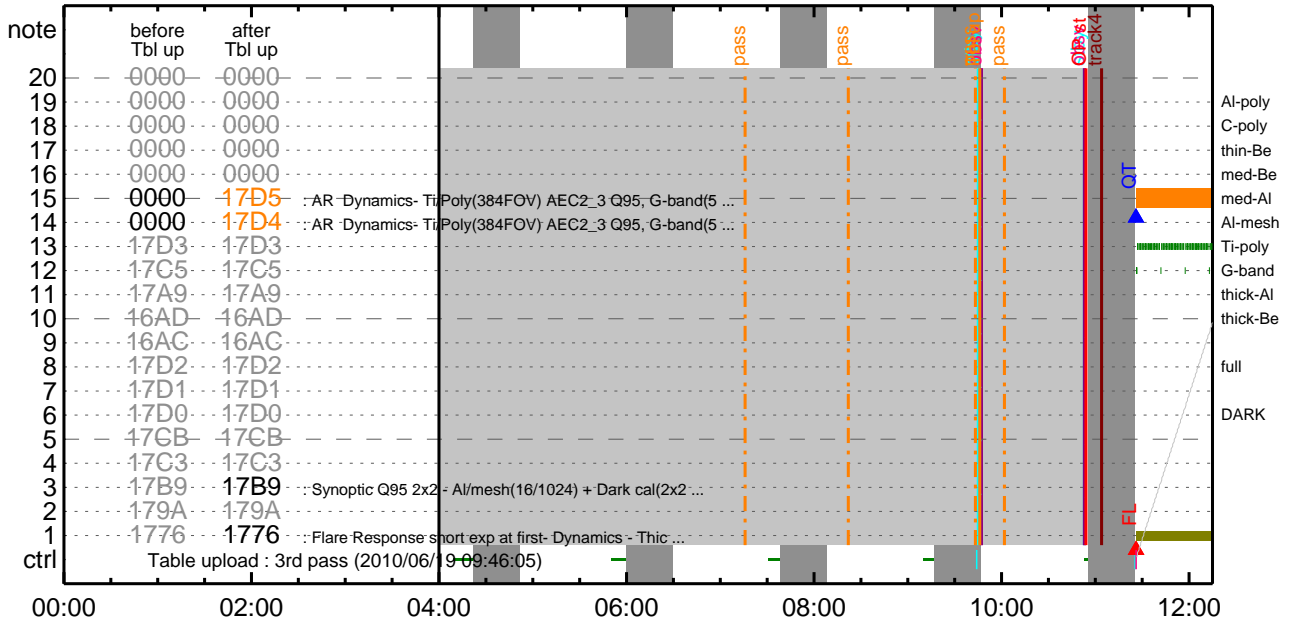
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Flare mode

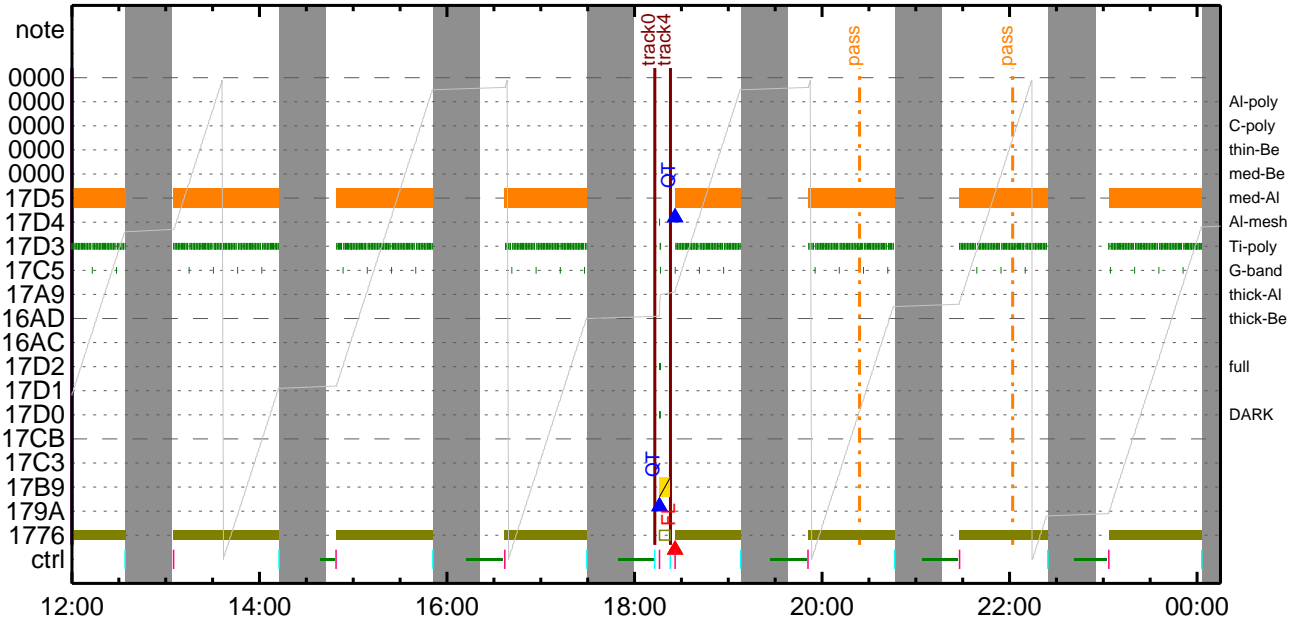
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XOB #1776: Flare Response short exp at first- Dynamics - Thick-Al - Thick-Be - AEC 1 - 384x384 - Q95													
Term	Pointing (x, y)							Comment					
06/19 11:26:06 - 06/19 17:29:30	Track (-148.9, 385.4) ^{Ⓜ 06/19 11:04:00}	# OP start + 10min, HOP 150, track AR 11082 looking for filament eruption..											
06/19 18:26:00 - 06/20 05:59:54	Track (-90.8, 384.7) ^{Ⓜ 06/19 18:23:00}	# Cont.											
06/20 06:13:00 - 06/20 09:48:30	Track (3.6, 383.7) ^{Ⓜ 06/20 06:10:00}	# Cont.											
06/20 15:27:04 - 06/20 17:51:54	Track (-0.5, 402.6) ^{Ⓜ 06/20 15:00:00}	* Resume tracking AR 11082.											
06/20 18:50:04 - 06/21 06:11:54	Track (23.5, 402.3) ^{Ⓜ 06/20 18:02:00}	# Cont.											
06/21 06:25:00 - 06/21 07:06:00	Track (120.5, 401.7) ^{Ⓜ 06/21 06:22:00}	# Cont.											
PROG= 01 1-time(s)													
└─ Subr= 1 2-time(s) 2.0sec													
└─ Seqn= 9 15-time(s) 20.0sec													
	Open/thick-Al	Open/thick-Al	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

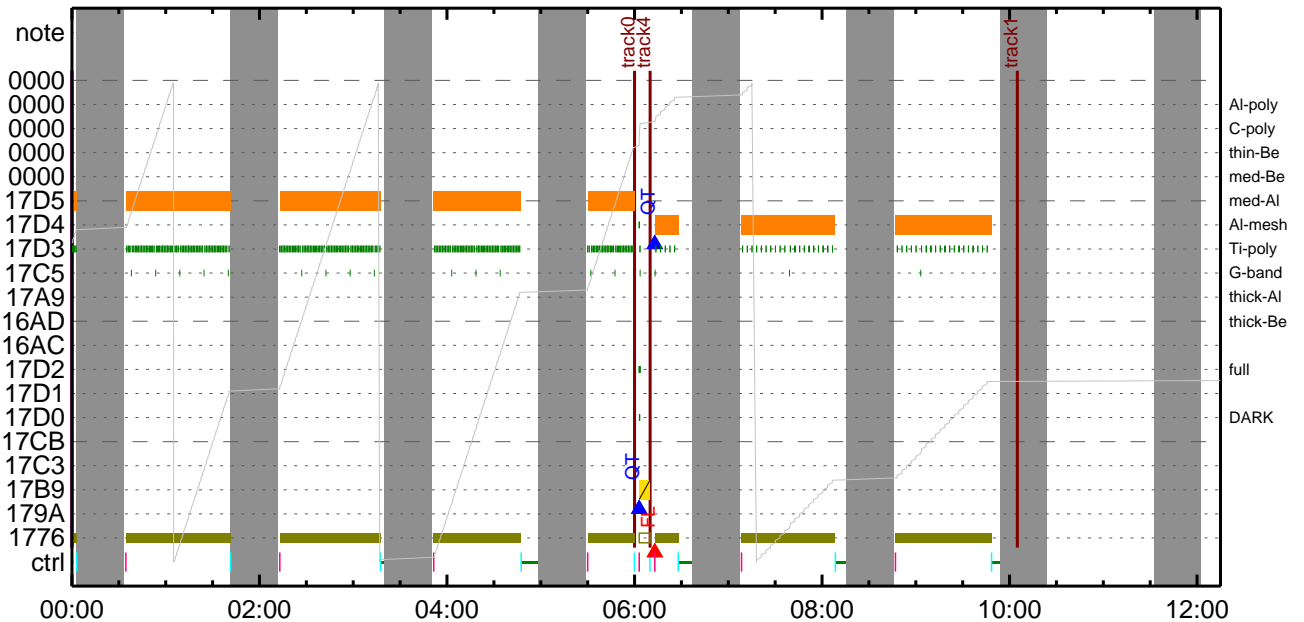
CMDI #0324 2010/06/19



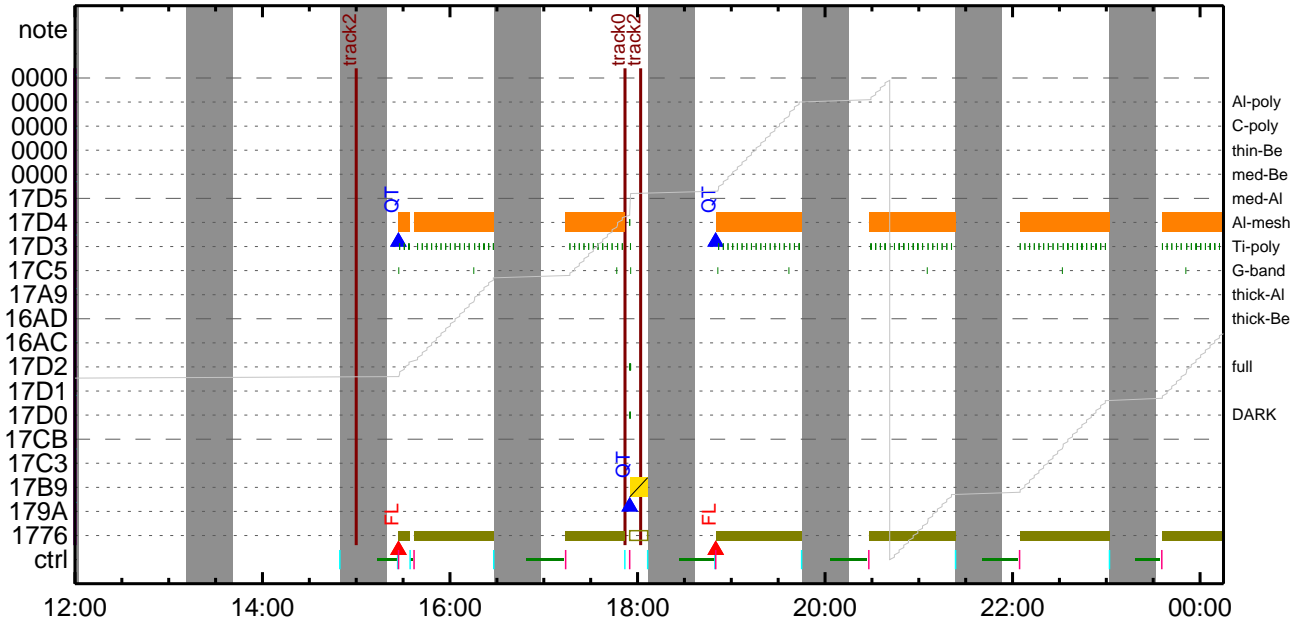
CMDI #0324 2010/06/19



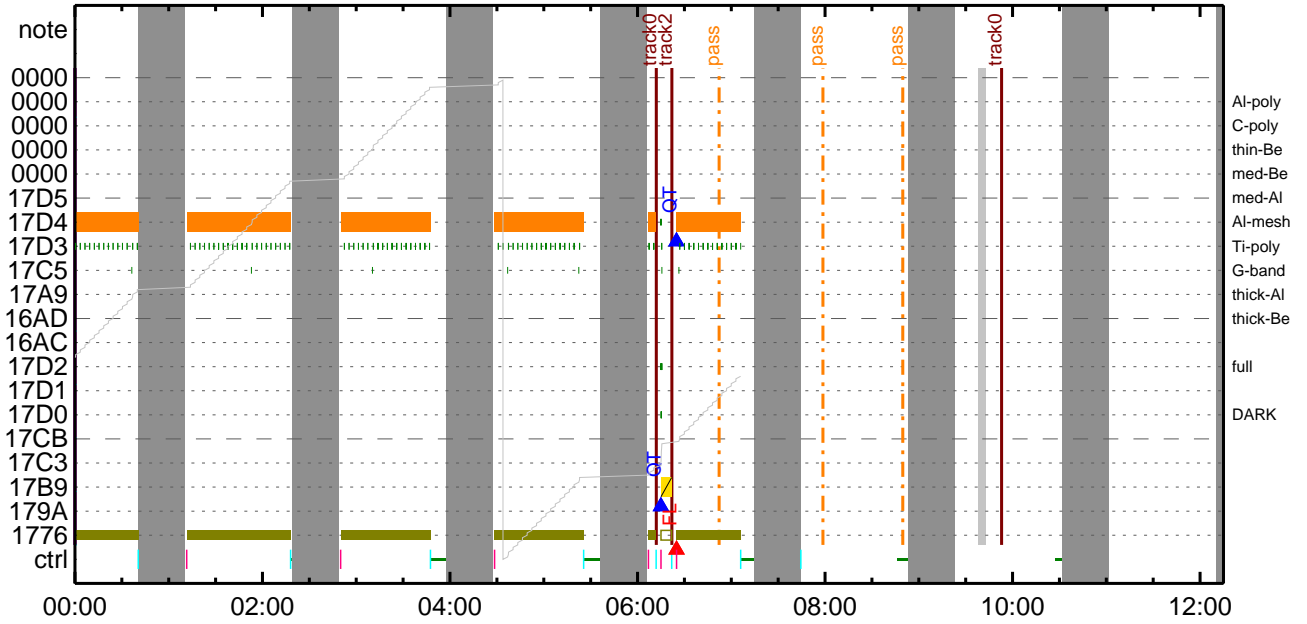
CMDI #0324 2010/06/20



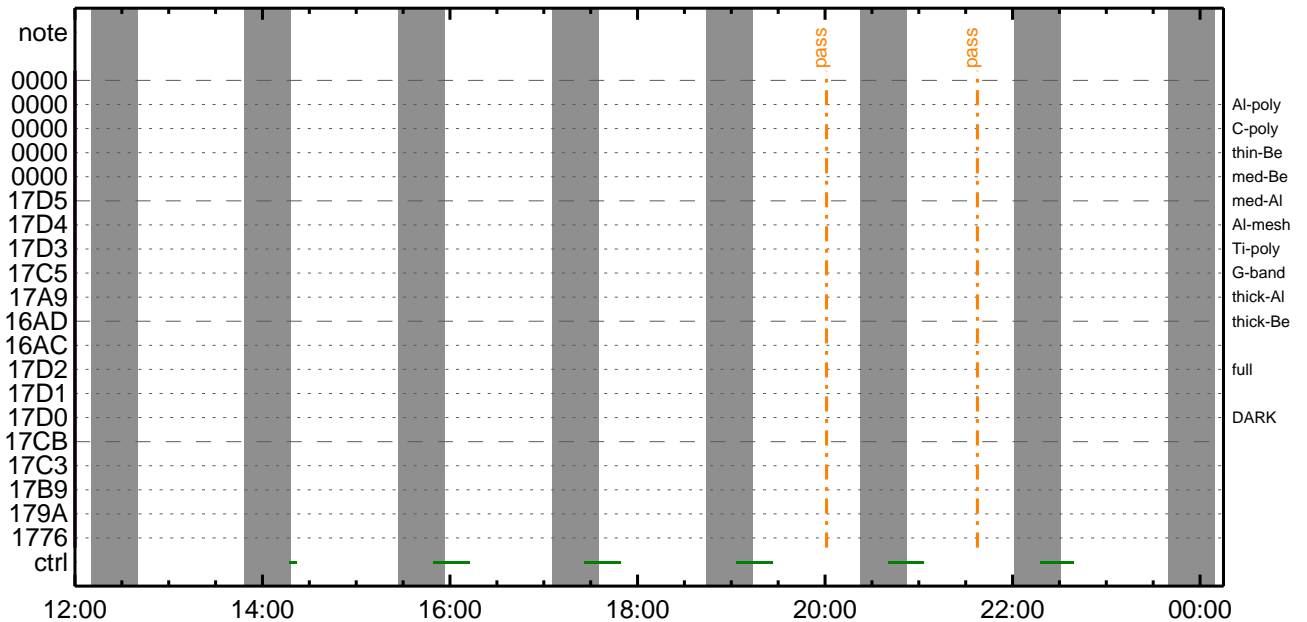
CMDI #0324 2010/06/20



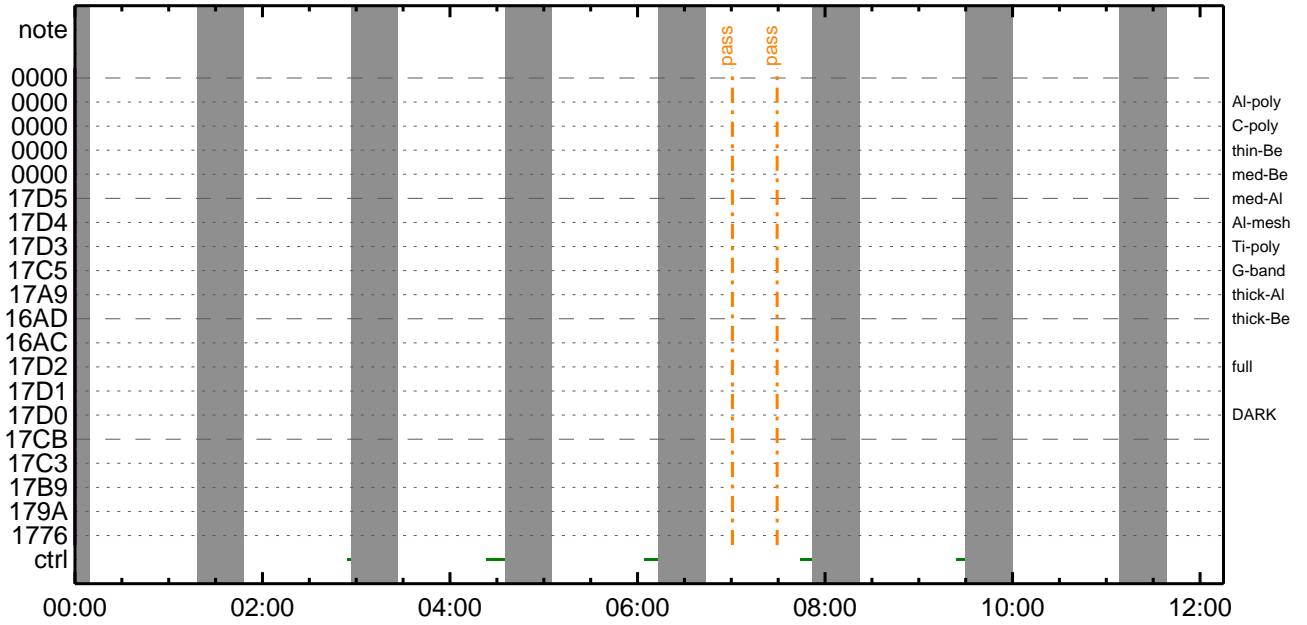
CMDI #0324 2010/06/21



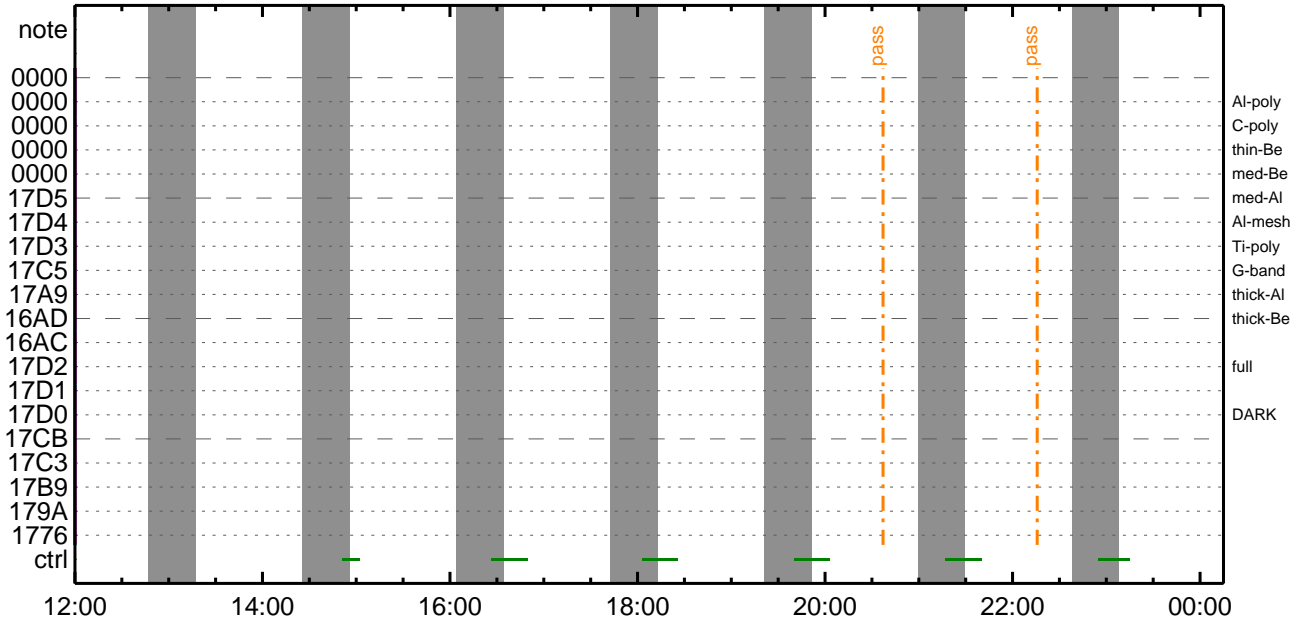
CMDI #0324 2010/06/21



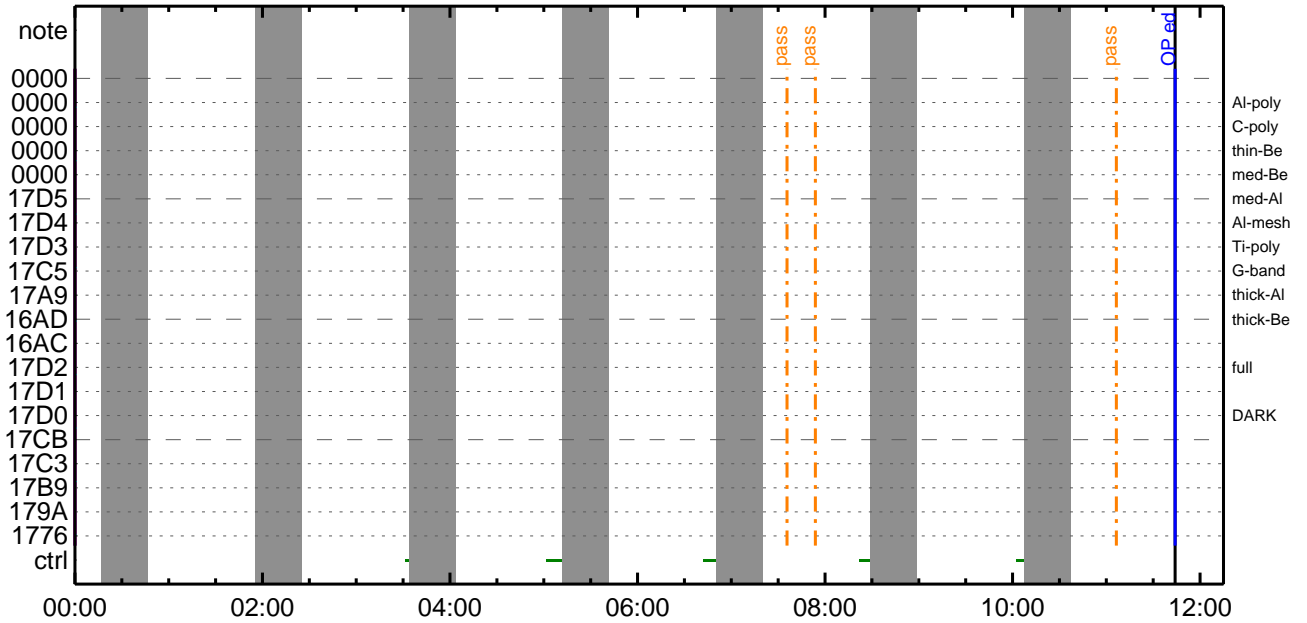
CMDI #0324 2010/06/22



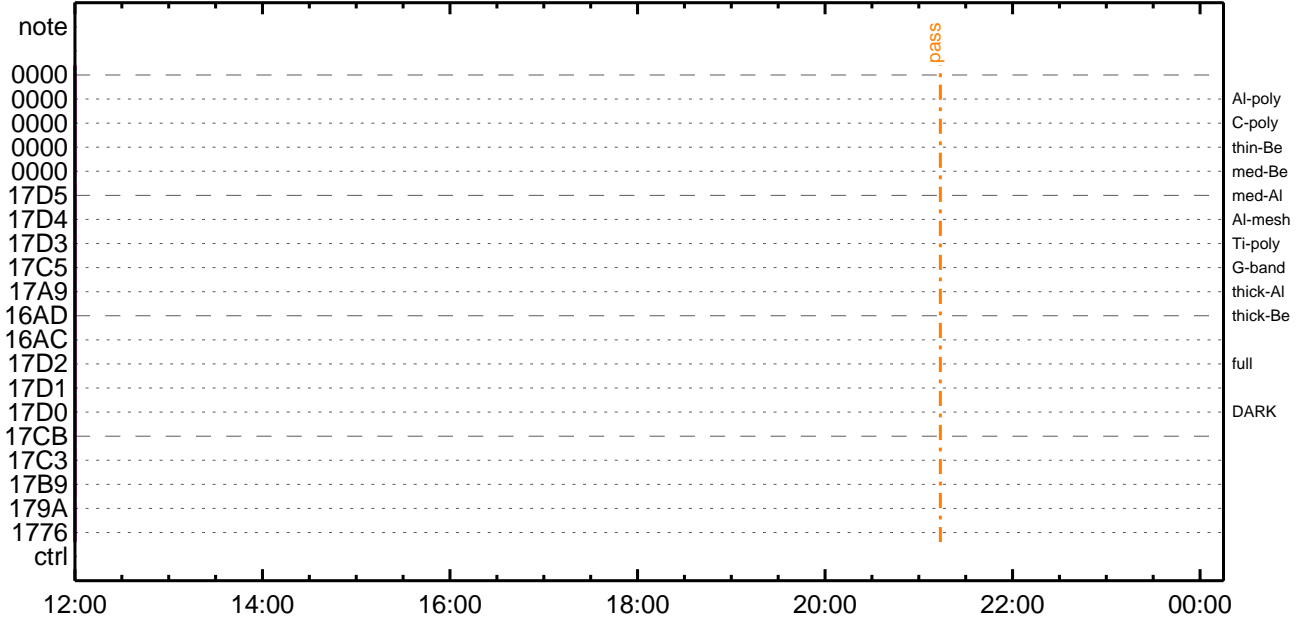
CMDI #0324 2010/06/22



CMDI #0324 2010/06/23



CMDI #0324 2010/06/23



(a) Spacecraft Operation Procedure (real-commands)

```
main-418 2010-06-19 12:42:34 205 33 SOLAR-B MAIN //
0001 . C.
0002 . C. ***** AOS *****
0003 . C.
0004 . C. ;äAOSYÄY$YÄY-¼Ä»Ü;ä
0005 . C.
0006 . C. YÄYB;¼Y³YF¥ÖYÉÄ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 . C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 . C. Äí;È¿¿À•µ°È»Ì×ÄÇî¥çYÄY×Yí;¼YÉ;ÈÈÈ¼µ•íÉ;ÈÈÈ¼°ÇÖ•¿¼í¹çÍ;çÄ®,ù¹ÈÇÄ+¿®•ÈÈ;£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 . C.
0013 . C.
0014 . C. *****
0015 . C. OP/OGYí;¼YÉ;|YÄYÖY×
0016 . C. *****
0017 . C.
0018 . C. ;äOP/OGYí;¼YÉ;ä
0019 . S. OP op-418:OP
0020 . ()
0021 . S. OG og-418:OG
0022 . ()
0023 . C.
0024 . C. ;änMOG&OPî°èYÄYÖY×;ä
0025 . C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027 BC (20 00 7f 01 02)
0028 . C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0029 . C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0030 . C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0031 . C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0032 . C. çç[HK1_DMA_DMP_PIM] EQ DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 . C. çç[HK1_PKT_FORM_NO] EQ 7
0036 . C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0037 . C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0038 . C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0039 . C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0040 . C. YÄYÖY×¼ªª î»ð³îÇ§
0041 . C. çç[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOGî¼È¹ç•è²îOKð³îÇ§
0043 . C.
0044 . C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046 BC (20 80 7f 01 02)
0047 . C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0048 . C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0049 . C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0050 . C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0051 . C. çç[HK1_DMA_DMP_PIM] EQ DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 . C. çç[HK1_PKT_FORM_NO] EQ 7
0055 . C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0056 . C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0057 . C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0058 . C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0059 . C. YÄYÖY×¼ªª î»ð³îÇ§
0060 . C. çç[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOGî¼È¹ç•è²îOKð³îÇ§
0062 . C.
0063 . C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065 BC (21 00 41 01 02)
0066 . C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0067 . C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0068 . C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0069 . C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0070 . C. çç[HK1_DMA_DMP_PIM] EQ DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 . C. çç[HK1_PKT_FORM_NO] EQ 7
0074 . C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0075 . C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0076 . C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0077 . C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0078 . C. YÄYÖY×¼ªª î»ð³îÇ§
0079 . C. çç[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG,RAM ID=OPî¼È¹ç•è²îOKð³îÇ§
0081 . C.
0082 . C. ***** °È²¼î¼Ä´¹¼ÈÈ-Ä+¿® (¼µ-YÄYÖY×¼È¼çðÄÖÄÇª¼¼í¹ççÄ) *****
0083 . C. DHUYâ;¼YÉ;È¼Y¼, Yí;¼YÉ;Èðíä¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 . C. çç[HK1_PKT_FORM_NO] EQ 2
0087 . C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0088 . C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0089 . C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0090 . C.
0091 . C. *****
0092 . C. TI-CMD SET (OPOG STOP/COPY/START)
0093 . C. *****
0094 . C.
0095 . C. NOTICE ;§ OPOG UPLOAD-Ä+¿®NGî¼í¹ç;ç°È²¼î¼TI-CMDÄ+¿®î¼Ä¹ÔÈÈ;£
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0096 C.          0300; SET0EDUMP0I00iYNY10C100|030E;E
0097 C.
0098 . C. TIY3YBY6YE00ADi (UT)
0099 +. TI 2010-06-19 10:49:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.          00[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0102 C.
0103 +. TI 2010-06-19 10:49:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.          00[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0106 C.
0107 +. TI 2010-06-19 10:49:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.          00[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0110 C.
0111 +. TI 2010-06-19 10:53:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.          00[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0114 C.
0115 C. 0E2%0IAE%iIN0IYAY$YAY-1aIU
0116 C.          00[HK1_TI_CMD_ENA/DIS]        EQ          ENA
0117 C.          00[HK1_TI_CMD_NUM]          EQ          4
0118 C.          00[HK1_NEXT_EXEC_PIM]        EQ          DHU
0119 C.          00[HK1_NEXT_EXEC_DC]        EQ          0xB3
0120 C.
0121 . C. *****
0122 C. TIiI0eYAY0Yx
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;$ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC          (03 ab 03 01 02)
0128 C.          00[HK1_DMP_TOP_ADRS_1]        EQ          07
0129 C.          00[HK1_DMP_TOP_ADRS_0]        EQ          2B
0130 C.          00[HK1_DMP_BLOCK_NUM]        EQ          3
0131 C.          00[HK1_DMP_REPEAT_NUM]       EQ          0
0132 C.          00[HK1_DMA_DMP_PIM]         EQ          DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC          (07 0b f8)
0135 C.          00[HK1_PKT_FORM_NO]          EQ          7
0136 C.          00[HK1_PKT_GEN_TIME]         EQ          0.25 s
0137 C.          00[HK1_S_TLM_BIT_RATE]       EQ          32k
0138 C.          00[HK1_X_TLM_BIT_RATE]      EQ          4M
0139 C.          00[HK1_DMP_CHK_FLG]         EQ          EXEC
0140 C.
0141 . C. YAY0Yx%aI»003IC$
0142 C.          00[HK1_DMP_CHK_FLG]         EQ          NON
0143 C.
0144 . C. RAM ID=TI_TBL0I%E1C.e2IOK003IC$
0145 C.
0146 . C. DHUYa;Y%E;E%Y%,Yi;Y%E;E00Ia01
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC          (02 0a f8)
0149 C.          00[HK1_PKT_FORM_NO]          EQ          2
0150 C.          00[HK1_PKT_GEN_TIME]         EQ          0.5S
0151 C.          00[HK1_S_TLM_BIT_RATE]       EQ          32K
0152 C.          00[HK1_X_TLM_BIT_RATE]      EQ          4M
0153 C.
0154 C. *****
0155 C. SOT TI command set
0156 C. *****
0157 C. Execute, after the success of OP upload.
0158 +. TI 2010-06-19 10:53:16.0
0159 DC 07-F0 MDP_SOT_MODE_STBY
0160 BC          (41)
0161 . C. -----
0162 C.          HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0163 C. -----
0164 C. ***** SOT END *****
0165 . C. Stop EIS observation and temporarily disable EIS mode changes
0166 C.
0167 C.
0168 C. ***** Start EIS operation (TI set) *****
0169 C. Execute, after the success of OP upload.
0170 C. Set EIS TI-commands
0171 +. TI 2010-06-19 10:53:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC          (21 02)
0174 +. TI 2010-06-19 10:53:40.0
0175 DC 07-FC EIS_MODE_CHG_DIS
0176 BC          (22)
0177 . C.          [ ] [HK1_TI_CMD_NUM]      EQ          2 COUNTUP
0178 C. ***** End EIS operation (TI set) *****
0179 C.
0180 C.
0181 C.
0182 C. ***** XRT START *****
0183 C. Execute, after the success of OP upload.
0184 +. TI 2010-06-19 10:53:00.0
0185 DC 07-F0 MDP_XRT_MODE_STBY
0186 BC          (c3)
0187 . C.          [ ] [HK1_TI_CMD_NUM]      EQ          1COUNTUP
0188 C.
0189 C. ***** XRT END *****
0190 C.
0191 . C. ***** MDP `uAI0I»0Y0EAD010EDCBC.x2e *****
0192 C. (%a0iY0YAYEYBYEYAYC%e0E%0004A»U010e)
0193 . S. DC-BC dcbc-402:DCBC
```



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0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥ÐŸ!•İ Daily±;İÑøĒ'Øσ¹αēDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ã
0203 C.
0204 . C. ***** LOS *****
0205 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 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 41s
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 2010-06-19 10:53:50.0
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. ***** MDP 'úÃîï'»ö¼ÝñËÄð¹ñèDCBC•x²è *****
0153 C. (%ã°ïÿÓÿÄÿËÿPÿËÿÄÿçÿËèñ¼¼¼¼¼¼»Û¹¹è)
0154 . S. DC-BC dcbc-402:DCBC
0155 (MDP_known_event)
0156 C.
0157 C.
0158 . C. ***** ÿÐÿ¹•Ï Daily±¿ÍÑñÉ'Øñ¹èDCBC•x²è *****
0159 . S. DC-BC dcbc-153:DCBC
0160 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0161 C.
0162 C.
0163 . C. ;ãLOSÿÁÿSÿÄÿÿ¼¼¼¼¼¼»Û;ã
0164 C.
0165 . C. ***** LOS *****
0166 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-420 2010-06-19 12:42:34 114 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŠYÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YFÝÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èø¿òÀø•µ°È»Í×ÁÇøÍYçYÁY×Yí;¼YÉ;ÈÈèµ•íÉ;ÈøÈ¼°ÇÇø•ø¿¼í¹çøÍ;çÀ®, ùø¹øÈøÈøÇÁ+¿®ø•øÈøøø³øÈ;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 85 83 08 08)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 07 85 83 06 06)
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 0f 80 80 06 06)
0052 + DC 07-F0 MDP_XRT_AEC_RESET
0053 BC (d0)
0054 . C. ----- Success Verify ? OK / NG ____
0055 C.
0056 C.
0057 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0058 C.
0059 +. DC 07-F0 MDP_XRT_MODE_OBSV
0060 BC (c2)
0061 +. TI 2010-06-19 10:53:02.0
0062 DC 07-F0 MDP_XRT_MODE_OBSV
0063 BC (c2)
0064 . C. ----- Success Verify ? OK / NG ____
0065 C.
0066 C. ***** XRT END *****
0067 . C. *****
0068 C. SOT table upload
0069 C. *****
0070 . C. < Stop FG table >
0071 +. DC 07-F0 MDP_FG_CTRL_MANU
0072 BC (51)
0073 . C. -----
0074 C. MDP_FG_CTRL_MODE = MANU [ ]
0075 C. -----
0076 C.
0077 . C. <Upload FG Observation Table>
0078 . S. RAM ram-269:MDP_OBS_F
0079 ( )
0080 C.
0081 . C. < Dump RAMID=MDP_OBS_F >
0082 +. DC 07-F0 MDP_DUMP_FGTBL
0083 BC (82 07 00 00 00 38 b8)
0084 C. -----
0085 C. MDP_OBS_F verify = OK/NG [ ]
0086 C. -----
0087 C.
0088 C. *****
0089 C. SOT TI command set
0090 C. *****
0091 C. Execute, after the success of TBL upload.
0092 +. TI 2010-06-19 10:53:18.0
0093 DC 07-F0 MDP_SOT_MODE_OBSV
0094 BC (40)
0095 . C. -----
```


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*** OP Sequence for XRT ***

2010/06/19	11:04:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	04	00	00	00	00
2010/06/19	11:25:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/19	11:25:32.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/06/19	11:25:52.0	XRT_AEC_RESET_410_OG [0x19a]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/06/19	11:25:54.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/06/19	11:25:56.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/06/19	11:25:58.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/06/19	11:26:00.0	XRT_ARS_DIS_414_OG [0x19e]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/06/19	11:26:02.0	XRT_QT_PROG_SET_433_OG [0x1b1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f			
2010/06/19	11:26:04.0	XRT_FL_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	01			
2010/06/19	11:26:06.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/19	12:34:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/19	13:04:00.0	XRT_Custom_418_OG [0x1a2]							
2010/06/19	13:05:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/19	14:12:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/19	14:48:00.5	XRT_Custom_418_OG [0x1a2]							
2010/06/19	14:49:00.5	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/19	15:51:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/19	16:36:00.0	XRT_Custom_418_OG [0x1a2]							
2010/06/19	16:37:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/19	17:29:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/19	18:12:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/19	18:12:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2010/06/19	18:13:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00
2010/06/19	18:13:16.0	XRT_FLD_DIS_402_OG [0x192]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/06/19	18:13:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/06/19	18:13:20.0	XRT_ARS_DIS_404_OG [0x194]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/06/19	18:15:58.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2010/06/19	18:16:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/19	18:22:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/19	18:22:56.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/06/19	18:23:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	04	00	00	00	00
2010/06/19	18:23:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/06/19	18:23:18.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/06/19	18:23:20.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/06/19	18:23:22.0	XRT_ARS_DIS_420_OG [0x1a4]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/06/19	18:25:56.0	XRT_QT_PROG_SET_433_OG [0x1b1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f			
2010/06/19	18:25:58.0	XRT_FL_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	01			
2010/06/19	18:26:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/19	19:08:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/19	19:50:00.0	XRT_Custom_418_OG [0x1a2]							
2010/06/19	19:51:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/19	20:46:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/19	21:27:00.0	XRT_Custom_418_OG [0x1a2]							
2010/06/19	21:28:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/19	22:24:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/19	23:02:30.0	XRT_Custom_418_OG [0x1a2]							
2010/06/19	23:03:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/20	00:03:00.0	XRT_CTRL_MANU_408_OG [0x198]							

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2010/06/20	00:33:30.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	00:34:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/20	01:41:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	02:12:00.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/20	02:13:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	03:17:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/20	03:50:30.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	03:51:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/20	04:47:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	05:29:00.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/20	05:30:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	05:59:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/20	05:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	06:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/06/20	06:00:16.0	XRT_FLD_DIS_402_OG [0x192]	AOCU_NM	5	02-76	00 00 00 00 00				
2010/06/20	06:00:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/06/20	06:00:20.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/06/20	06:02:58.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/06/20	06:03:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03				
2010/06/20	06:09:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/20	06:09:56.0	XRT_FOCUS_POSITION_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	06:10:00.0	AOCS_OrE-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/06/20	06:10:16.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	04 00 00 00 00				
2010/06/20	06:10:18.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/06/20	06:10:20.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLD_RESET	1	07-F0	da				
2010/06/20	06:10:22.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/06/20	06:12:56.0	XRT_QT_PROG_SET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/06/20	06:12:58.0	XRT_FL_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e				
2010/06/20	06:13:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 01				
2010/06/20	06:28:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/20	07:07:30.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	07:08:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/20	08:08:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	08:46:00.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/20	08:47:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	09:48:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/20	10:05:00.0	AOCS_OrE-point_Start_3_OG [0x099]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	14:49:30.0	XRT_CTRL_MANU_408_OG [0x198]	AOCU_NM	5	02-76	01 00 00 00 00				
2010/06/20	15:00:00.0	AOCS_OrE-point_Start_4_OG [0x09a]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	15:26:30.0	XRT_CTRL_MANU_400_OG [0x190]	AOCU_NM	5	02-76	02 00 00 00 00				
2010/06/20	15:26:32.0	XRT_FOCUS_POSITION_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/20	15:26:52.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/06/20	15:26:54.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/06/20	15:26:56.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLD_RESET	1	07-F0	da				
2010/06/20	15:26:58.0	XRT_ARS_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/06/20	15:27:00.0	XRT_QT_PROG_SET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/06/20	15:27:02.0	XRT_FL_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e				
2010/06/20	15:27:04.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 01				
2010/06/20	15:34:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				

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2010/06/20	15:36:00.0	XRT_Custom_418_OG [0x1a2]			
2010/06/20	15:37:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/20	16:28:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/20	17:13:00.0	XRT_Custom_418_OG [0x1a2]			
2010/06/20	17:14:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/20	17:51:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/20	17:51:56.0	XRT_FOCUS_POSITION_401_OG [0x191]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/06/20	17:52:00.0	AOCS_Ore-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2010/06/20	17:52:16.0	XRT_FLD_DIS_402_OG [0x192]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2010/06/20	17:52:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/06/20	17:52:20.0	XRT_ARS_DIS_404_OG [0x194]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/06/20	17:54:58.0	XRT_QT_PROG_SET_407_OG [0x197]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2010/06/20	17:55:00.0	XRT_CTRL_AUTO_406_OG [0x196]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/20	18:02:00.0	AOCS_Ore-point_Start_4_OG [0x09a]			
		AOCU_NM	5	02-76	02 00 00 00 00
2010/06/20	18:06:30.5	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/20	18:49:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/20	18:49:32.0	XRT_FOCUS_POSITION_409_OG [0x199]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/06/20	18:49:52.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/06/20	18:49:54.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/06/20	18:49:56.0	XRT_FLRCTRL_ENA_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/06/20	18:49:58.0	XRT_ARS_DIS_414_OG [0x19e]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/06/20	18:50:00.0	XRT_QT_PROG_SET_434_OG [0x1b2]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e
2010/06/20	18:50:02.0	XRT_FL_PROG_SET_416_OG [0x1a0]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 01
2010/06/20	18:50:04.0	XRT_CTRL_AUTO_406_OG [0x196]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/20	19:45:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/20	20:27:00.0	XRT_Custom_418_OG [0x1a2]			
2010/06/20	20:28:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/20	21:23:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/20	22:03:30.0	XRT_Custom_418_OG [0x1a2]			
2010/06/20	22:04:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/20	23:02:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/20	23:34:30.0	XRT_Custom_418_OG [0x1a2]			
2010/06/20	23:35:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/21	00:40:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/21	01:10:30.0	XRT_Custom_418_OG [0x1a2]			
2010/06/21	01:11:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/21	02:18:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/21	02:49:00.0	XRT_Custom_418_OG [0x1a2]			
2010/06/21	02:50:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/21	03:47:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/21	04:27:30.0	XRT_Custom_418_OG [0x1a2]			
2010/06/21	04:28:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/21	05:25:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/21	06:06:00.0	XRT_Custom_418_OG [0x1a2]			
2010/06/21	06:07:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/21	06:11:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/21	06:11:56.0	XRT_FOCUS_POSITION_401_OG [0x191]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/06/21	06:12:00.0	AOCS_Ore-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2010/06/21	06:12:16.0	XRT_FLD_DIS_402_OG [0x192]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2010/06/21	06:12:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/06/21	06:12:20.0	XRT_ARS_DIS_404_OG [0x194]			
		MDP_XRT_ARS_DIS	1	07-F0	d5

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2010/06/21	06:14:58.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2010/06/21	06:15:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/21	06:21:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/21	06:21:56.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/06/21	06:22:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	02	00	00	00	00
2010/06/21	06:22:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/06/21	06:22:18.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/06/21	06:22:20.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/06/21	06:22:22.0	XRT_ARS_DIS_420_OG [0x1a4]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/06/21	06:24:56.0	XRT_QT_PROG_SET_434_OG [0x1b2]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0e			
2010/06/21	06:24:58.0	XRT_FL_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	01			
2010/06/21	06:25:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/21	07:06:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/21	07:44:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/21	09:53:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00