

XRT Timeline to be uploaded on 2010/03/11

Period: 2010/03/11 10:17:00 - 2010/03/16 09:04:00

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Normal mode

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XOB #178E: Ti/Poly - 384x384 - 1024 1024 - AEC 1 - 90s - G-band Co-align												
Term	Pointing (x, y)							Comment				
03/11 10:30:00 - 03/11 16:22:30	Track (643.9, 478.6) ^{Ⓜ 03/11 10:27:00}	# OP start + 10min: Filament observation										
PROG= 04 Inf.-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 3 1-time(s) 2.0sec												
	Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs 2x2	2048x1536 (1024, 768)	Q=90	0	0	2.0sec
└─ Seqn= 11 20-time(s) 90.0sec												
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	250ms	Obs 1x1	384x384 (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 #1754: Synoptic Q95 2x2 - Al/mesh(64/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(128/2048) + G-band(16												
Term	Pointing (x, y)							Comment				
03/11 18:26:00 - 03/11 18:32:54	Fixed (0.0, 0.0)	synoptic, shifted 23.0 min										
03/12 05:57:30 - 03/12 06:04:24	Fixed (0.0, 0.0)	synoptic, shifted -5.5 min										
03/12 18:03:00 - 03/12 21:09:54	Fixed (0.0, 0.0)	synoptic										
03/13 06:16:00 - 03/13 06:22:54	Fixed (0.0, 0.0)	synoptic, shifted 13.0 min										

XOB #1754: Synoptic Q95 2x2 - Al/mesh(64/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(128/2048) + G-band(16												
Term	Pointing (x, y)							Comment				
PROG= 01 1-time(s)												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 6 1-time(s) 4.0sec												
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	63ms	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= 7 1-time(s) 4.0sec												
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	125ms	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 #178F: AR - Ti/Poly(256ms)AEC3, Al-mesh(AEC3),Thick-Al(AEC3), G-band-512x512 - 60s cad												
Term	Pointing (x, y)							Comment				
03/11 18:36:00 - 03/12 05:54:24	Track (-814.0, -342.8) ^{Ⓜ 03/11 18:33:00}	# South-East AR obs.										
03/12 06:07:30 - 03/12 07:59:54	Track (-771.6, -332.1) ^{Ⓜ 03/12 06:04:30}	# South-East AR obs.										
03/12 08:03:00 - 03/12 14:59:54	Track (-763.6, -330.4) ^{Ⓜ 03/12 08:00:00}	South-East AR obs.										

XOB #178F: AR - Ti/Poly(256ms)AEC3, Al-mesh(AEC3),Thick-Al(AEC3), G-band-512x512 - 60s cad												
Term	Pointing (x, y)							Comment				
PROG= 05 Inf.-time(s)												
└─ Subr= 1 1-time(s) 300.0sec												
└─ Seqn= 1 1-time(s) 30.0sec												
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs 1x1	512x512 (1024, 1024)	Q=98	0	0	2.0sec
└─ Seqn= 8 1-time(s) 2.0sec												
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	125ms	Obs 1x1	512x512 (1024, 1024)	Q=95	3	0	2.0sec
	Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	Obs 1x1	512x512 (1024, 1024)	Q=95	3	0	2.0sec
└─ Subr= 2 20-time(s) 2.0sec												
└─ Seqn= 12 1-time(s) 60.0sec												
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	250ms	Obs 1x1	512x512 (1024, 1024)	Q=98	1	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #178D: HOP 152 - Ti/Poly - 384x384 - AEC0 - 5796ms - 40s cad - G-band Co-align												
Term	Pointing (x, y)							Comment				
03/12 15:03:00 - 03/12 17:59:54	Track (-15.9, -7.0) ^{Ⓜ 03/12 15:00:00}	HOP152										

XOB #178D: HOP 152 - Ti/Poly - 384x384 - AEC0 - 5796ms - 40s cad - G-band Co-align												
Term	Pointing (x, y)							Comment				
PROG= 03 Inf.-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 1 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
└─ Seqn= 10 20-time(s) 40.0sec												
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	5.66s	Obs 1x1	384x384 (1024, 1024)	Q=92	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1790: AR - Ti/Poly(256ms)AEC3, Al-mesh(AEC3),Thick-Al(AEC3), G-band-512x512 - 3 min cad												
Term	Pointing (x, y)							Comment				
03/12 21:13:00 - 03/13 05:36:30	Track (-702.4, -319.1) ^{Ⓜ 03/12 21:10:00}	South-East AR obs.										
03/13 06:26:00 - 03/13 08:56:30	Track (-653.0, -311.8) ^{Ⓜ 03/13 06:23:00}	# South-East AR obs.										

XOB #1790: AR - Ti/Poly(256ms)AEC3, Al-mesh(AEC3),Thick-Al(AEC3), G-band-512x512 - 3 min cad												
Term	Pointing (x, y)							Comment				
PROG= 06 Inf.-time(s)												
└─ Subr= 1 1-time(s) 300.0sec												
└─ Seqn= 1 1-time(s) 30.0sec												

Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	512x512 (1024, 1024)	Q=98	0	0	2.0sec
Seqn= 8 1-time(s) 2.0sec												
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	125ms	Obs	1x1	512x512 (1024, 1024)	Q=95	3	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	512x512 (1024, 1024)	Q=95	3	0	2.0sec
Subr= 2 20-time(s) 2.0sec												
Seqn= 12 1-time(s) 180.0sec												
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	250ms	Obs	1x1	512x512 (1024, 1024)	Q=98	1	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				
03/11 10:30:00 - 03/11 16:22:30	Track (643.9, 478.6) ^{Ⓢ 03/11 10:27:00}							# OP start + 10min: Filament observation				
03/11 18:36:00 - 03/12 05:54:24	Track (-814.0, -342.8) ^{Ⓢ 03/11 18:33:00}							# South-East AR obs.				
03/12 06:07:30 - 03/12 07:59:54	Track (-771.6, -332.1) ^{Ⓢ 03/12 06:04:30}							# South-East AR obs.				
03/12 08:03:00 - 03/12 14:59:54	Track (-763.6, -330.4) ^{Ⓢ 03/12 08:00:00}							South-East AR obs.				
03/12 15:03:00 - 03/12 17:59:54	Track (-15.9, -7.0) ^{Ⓢ 03/12 15:00:00}							HOP152				
03/12 21:13:00 - 03/13 05:36:30	Track (-702.4, -319.1) ^{Ⓢ 03/12 21:10:00}							South-East AR obs.				
03/13 06:26:00 - 03/13 08:56:30	Track (-653.0, -311.8) ^{Ⓢ 03/13 06:23:00}							# South-East AR obs.				
PROG= 02 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
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= 9 15-time(s) 60.0sec												
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
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= 9 1-time(s) 600.0sec												
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
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	

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Active Region Search

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NOT USED

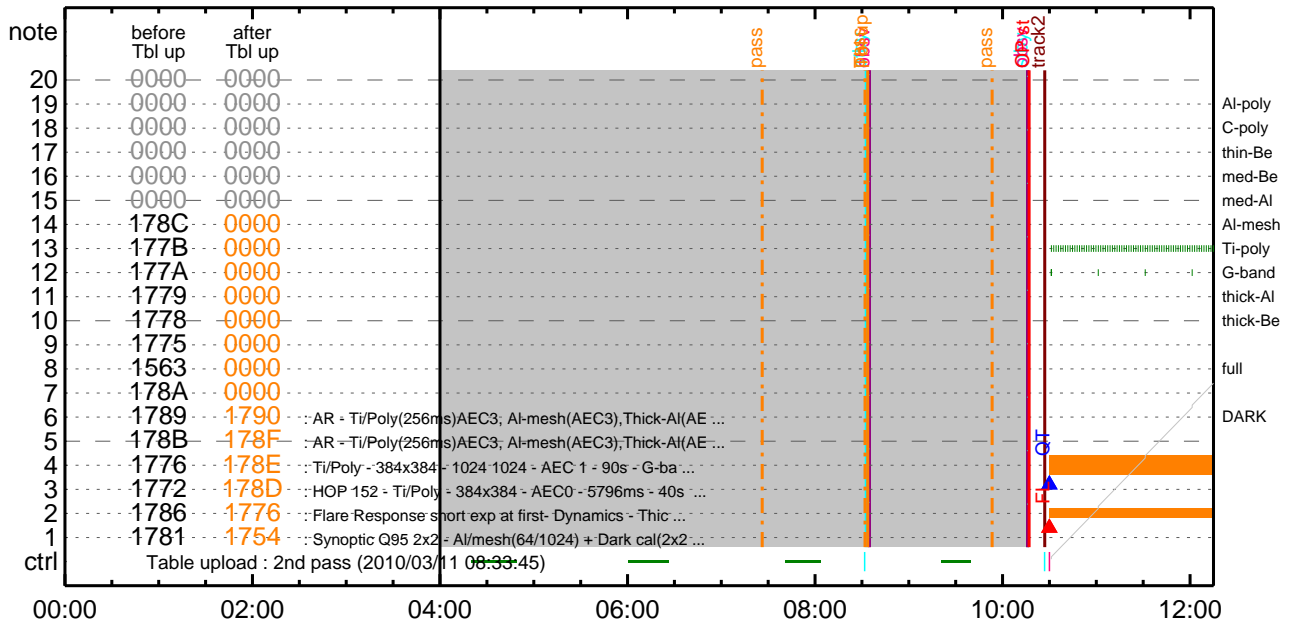
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Flare Detection

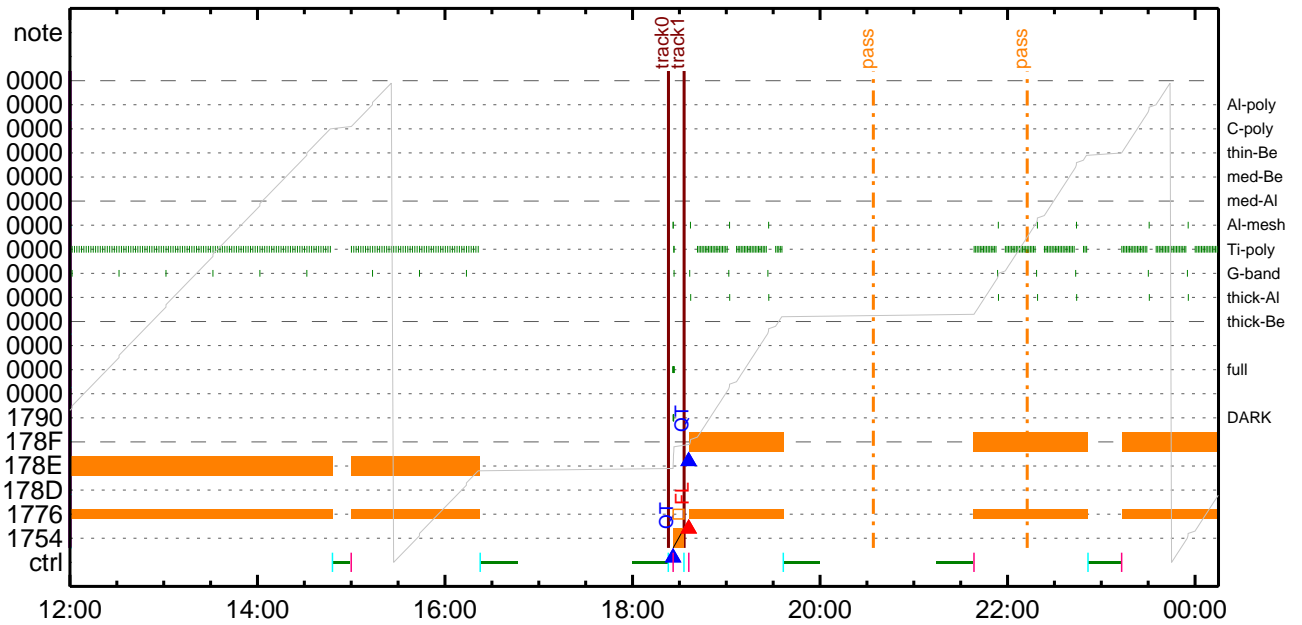
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FLD Patrol												
Term	Pointing (x, y)							Comment				
03/11 10:27:16 - 03/11 18:23:16	Track (643.9, 478.6) ^{Ⓢ 03/11 10:27:00}							# OP start + 10min: Filament observation				
03/11 18:33:16 - 03/12 05:54:46	Track (-814.0, -342.8) ^{Ⓢ 03/11 18:33:00}							# South-East AR obs.				
03/12 06:04:46 - 03/12 18:00:16	Track (-771.6, -332.1) ^{Ⓢ 03/12 06:04:30}							# South-East AR obs.				
03/12 21:10:16 - 03/13 06:13:16	Track (-702.4, -319.1) ^{Ⓢ 03/12 21:10:00}							South-East AR obs.				
03/13 06:23:16 - 03/16 09:04:00	Track (-653.0, -311.8) ^{Ⓢ 03/13 06:23:00}							# South-East AR obs.				
Open/Ti-poly	Open/thick-Al	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	

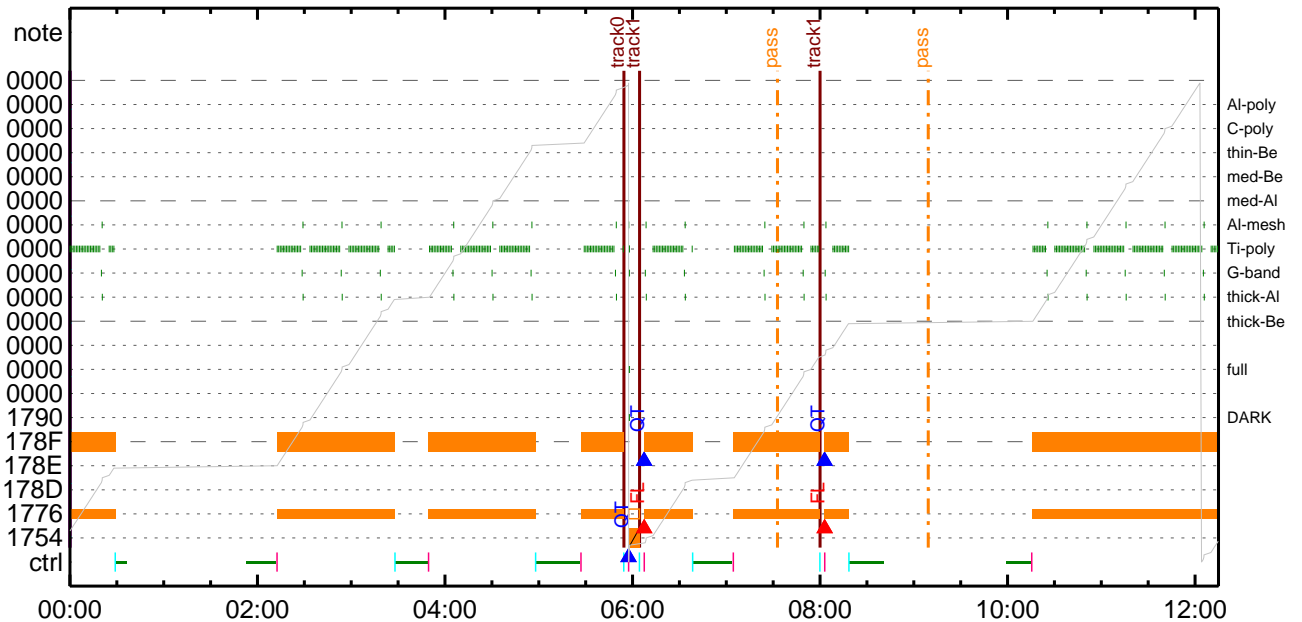
CMDI #0149 2010/03/11



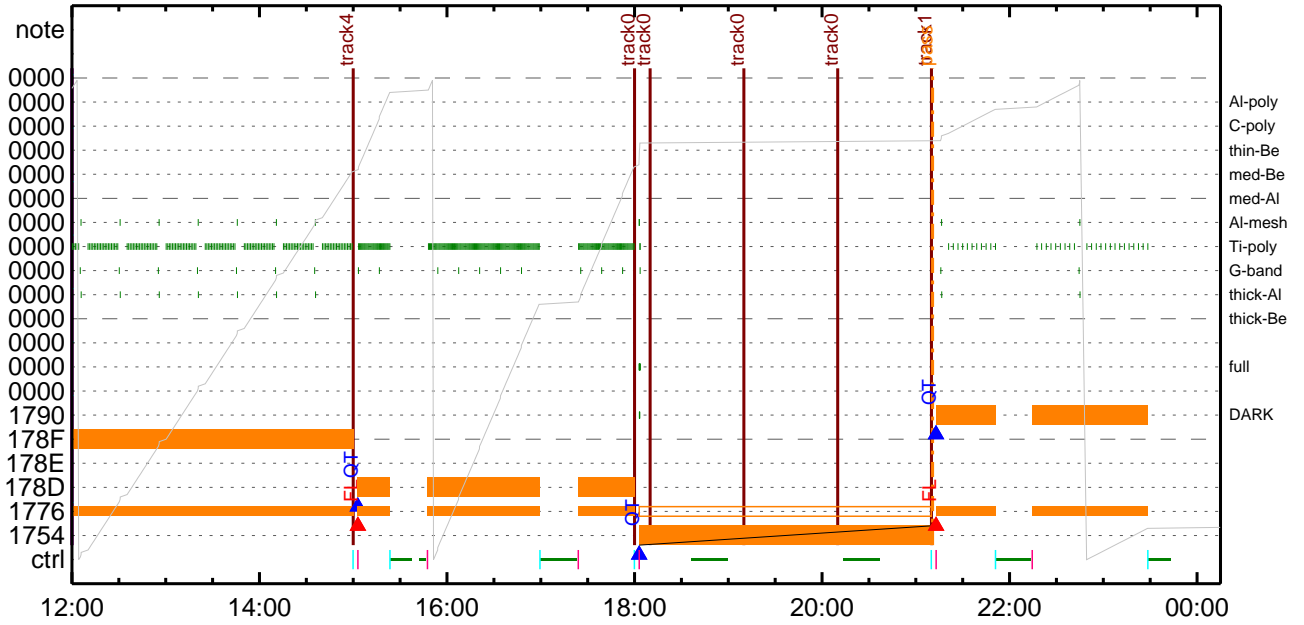
CMDI #0149 2010/03/11



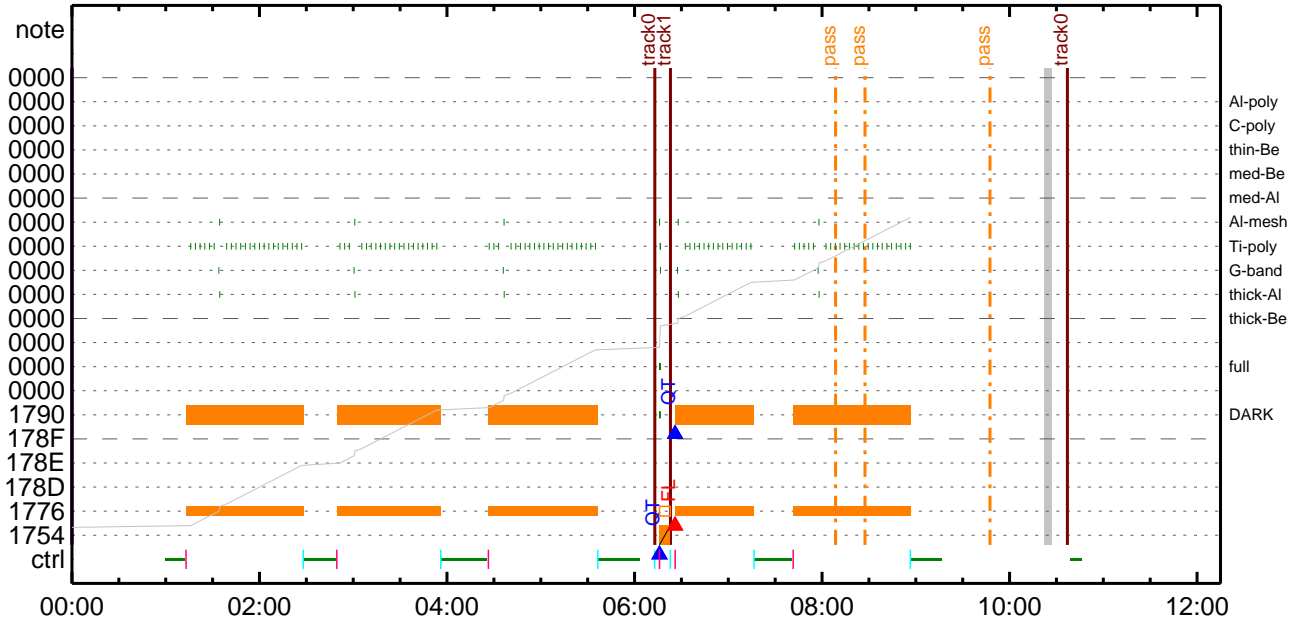
CMDI #0149 2010/03/12



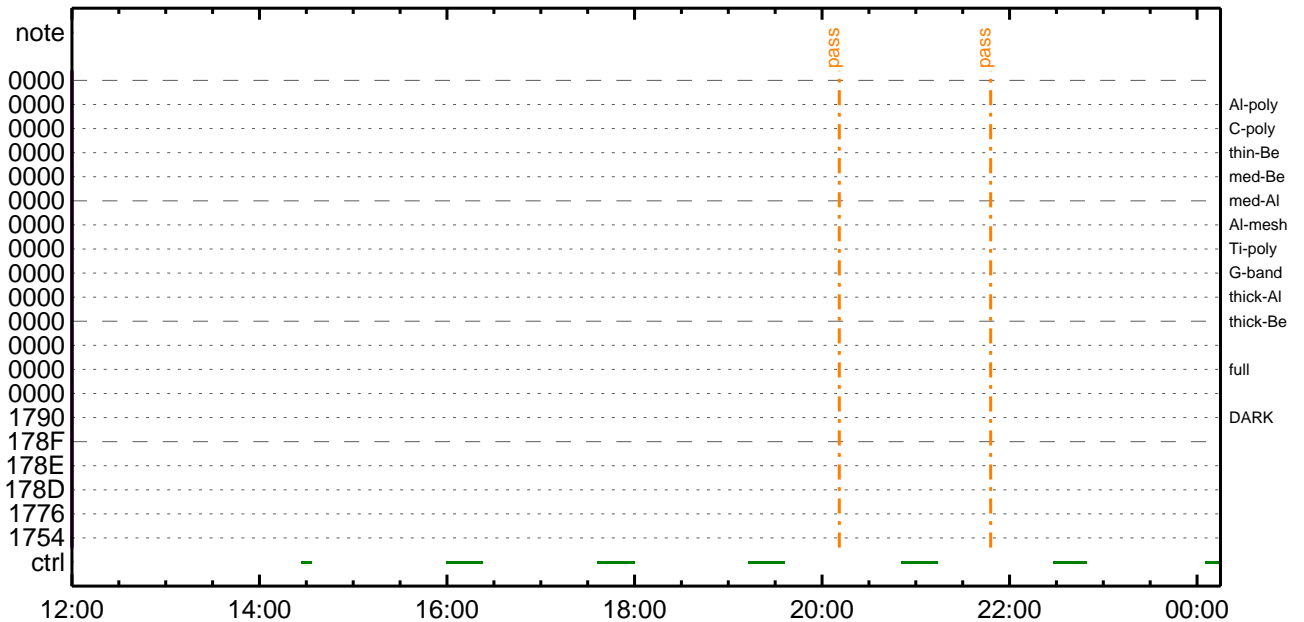
CMDI #0149 2010/03/12



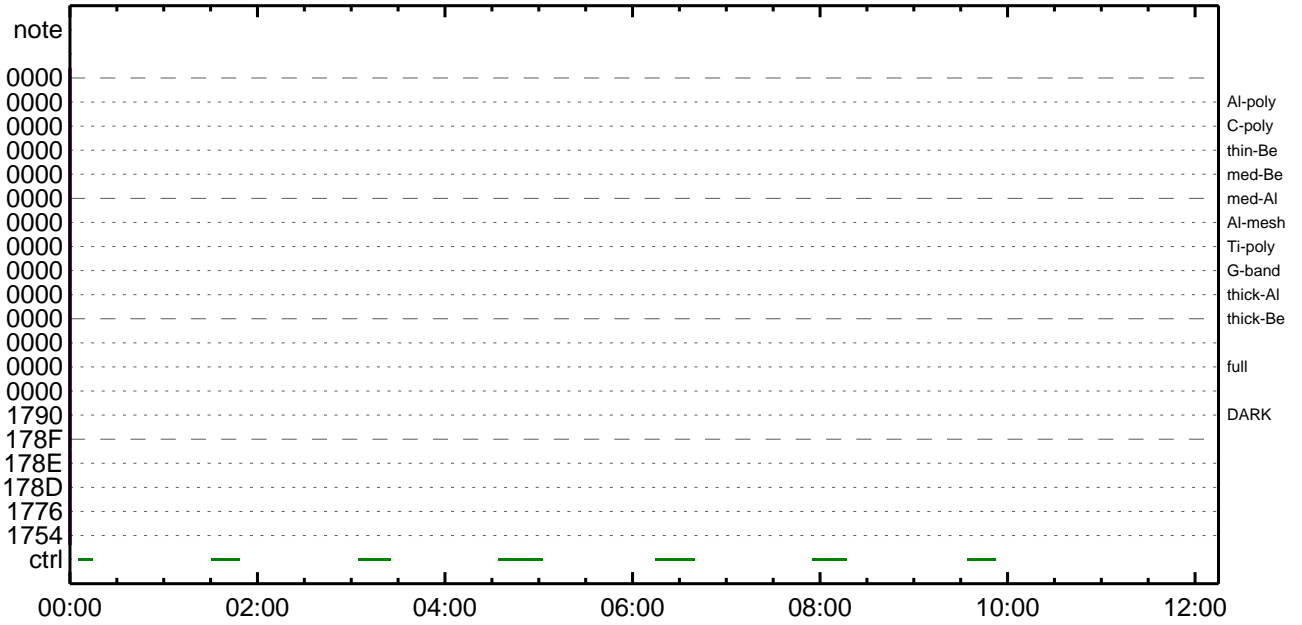
CMDI #0149 2010/03/13



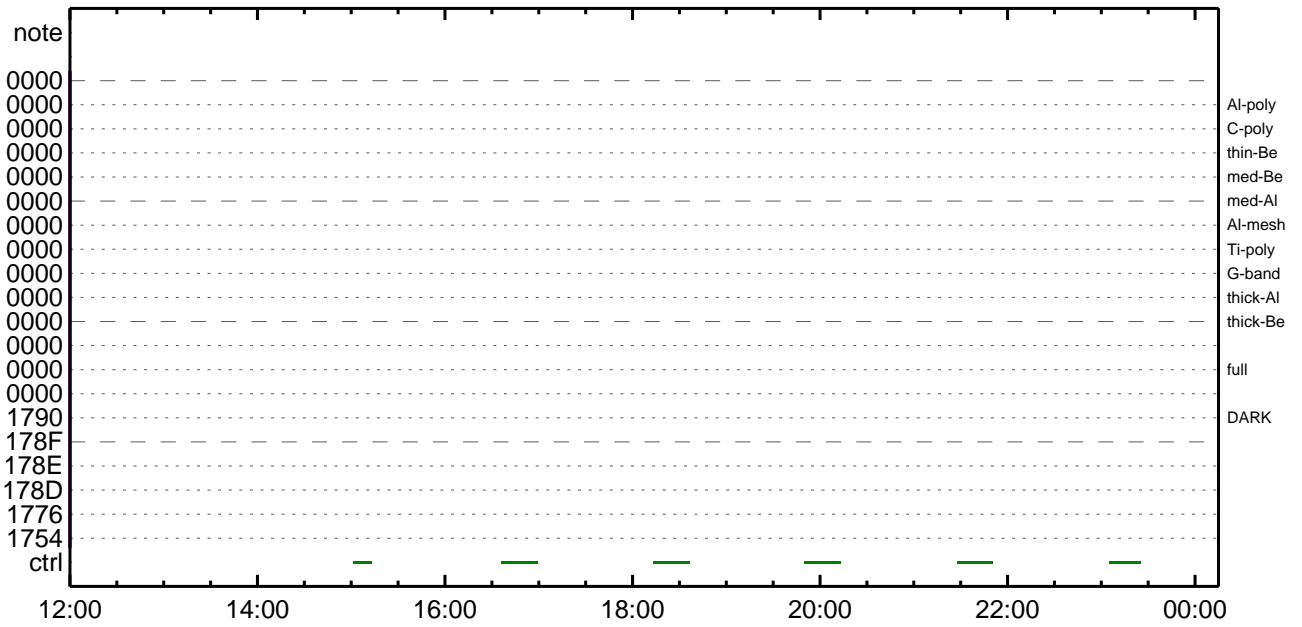
CMDI #0149 2010/03/13



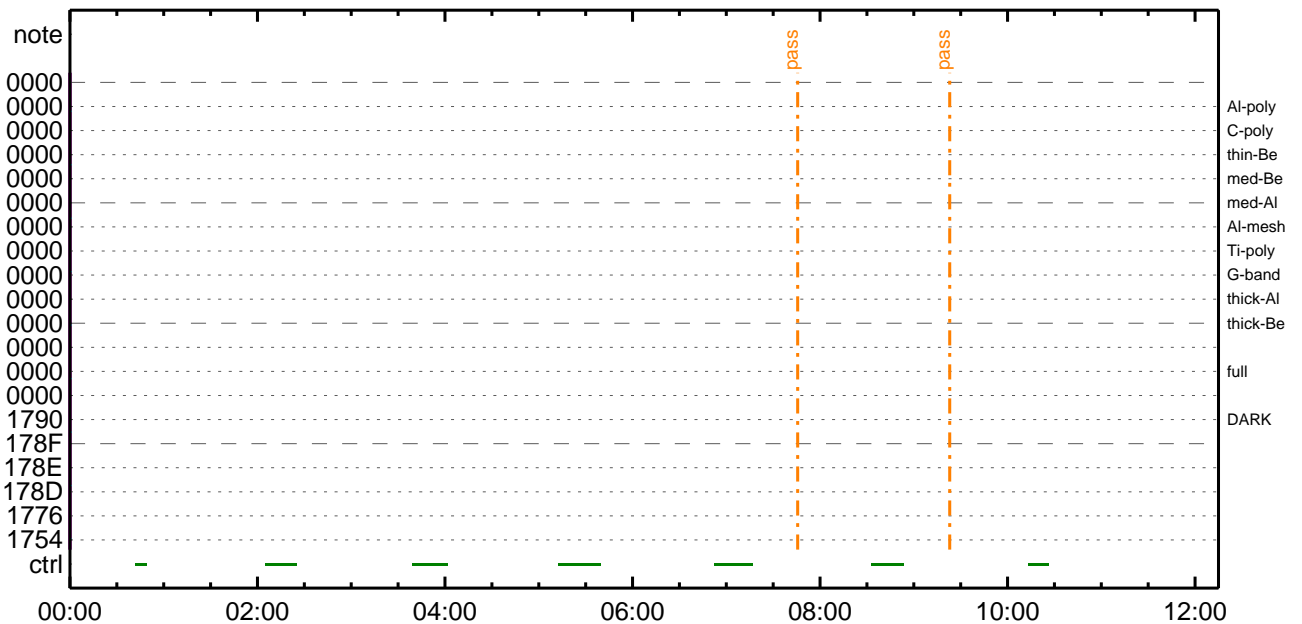
CMDI #0149 2010/03/14



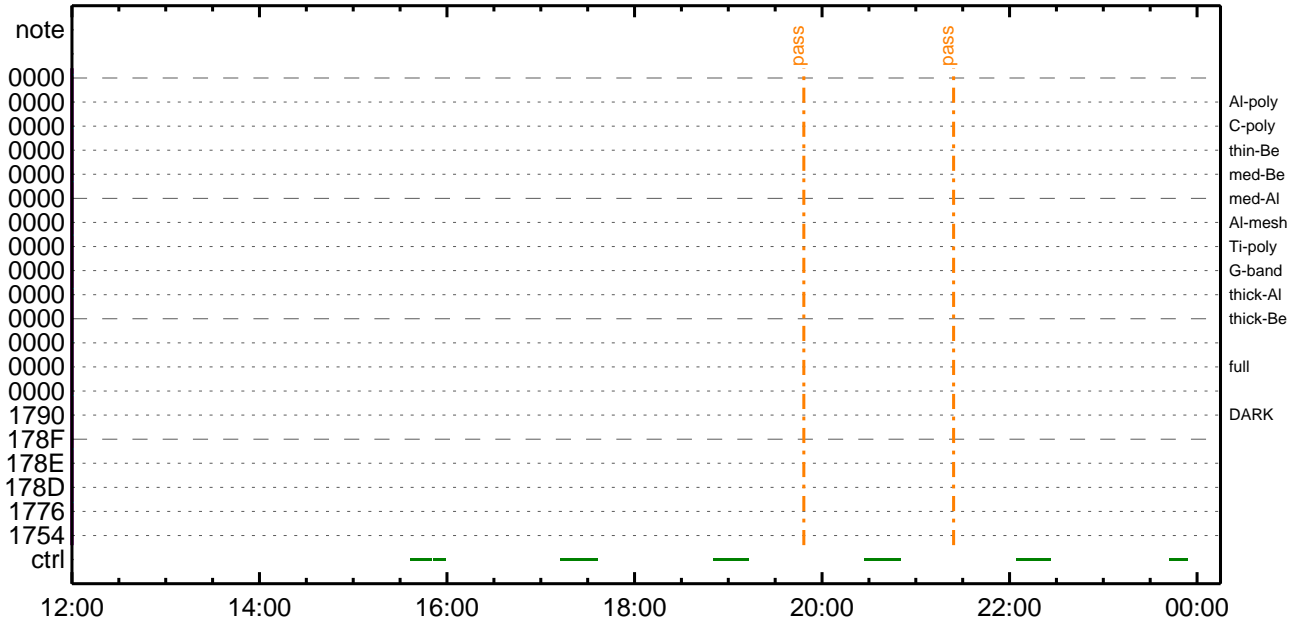
CMDI #0149 2010/03/14



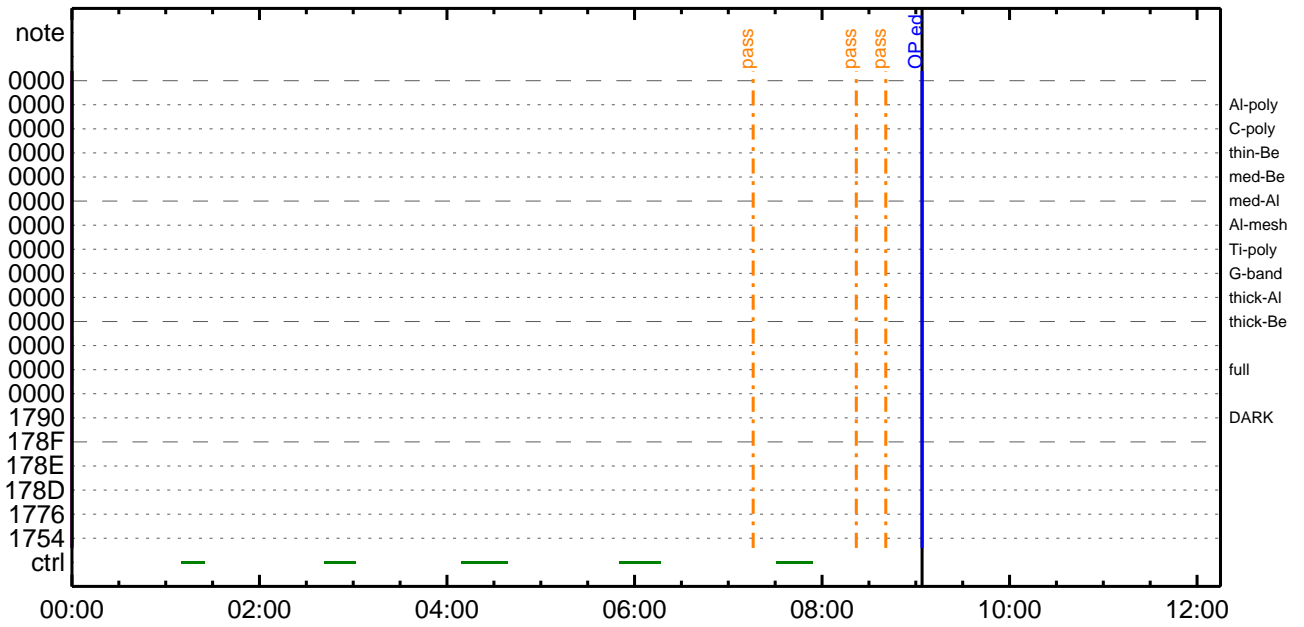
CMDI #0149 2010/03/15



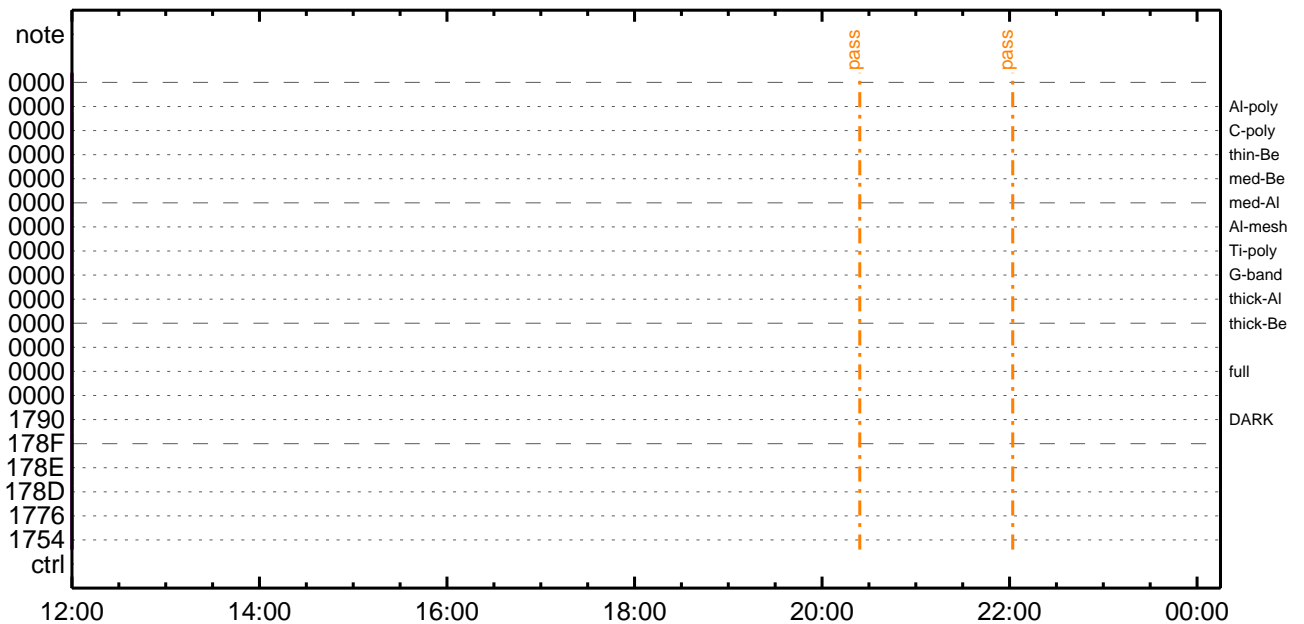
CMDI #0149 2010/03/15



CMDI #0149 2010/03/16



CMDI #0149 2010/03/16




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0096 C.                 oþo;çSETEDDUMPAİÆ±°iŸÑŸ¹æÇ¹Òæ|æ³æË;Æ
0097 C.
0098 . C. TIŸ³ŸPŸóŸÉæðÀDİç (UT)
0099 +. TI 2010-03-11 10:12:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                    çç[HK1_TI_CMD_NUM]                EQ      1COUNTUP
0102 C.
0103 +. TI 2010-03-11 10:12:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                    çç[HK1_TI_CMD_NUM]                EQ      1COUNTUP
0106 C.
0107 +. TI 2010-03-11 10:12:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                    çç[HK1_TI_CMD_NUM]                EQ      1COUNTUP
0110 C.
0111 +. TI 2010-03-11 10:16:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                    çç[HK1_TI_CMD_NUM]                EQ      1COUNTUP
0114 C.
0115 C. °È²¼æİÄê%îîÑæİŸÄŸŸŸÄŸ¹àİŸ
0116 C.                    çç[HK1_TI_CMD_ENA/DIS]            EQ      ENA
0117 C.                    çç[HK1_TI_CMD_NUM]                EQ      4
0118 C.                    çç[HK1_NEXT_EXEC_PIM]            EQ      DHU
0119 C.                    çç[HK1_NEXT_EXEC_DC]             EQ      0xB3
0120 C.
0121 . C. *****
0122 C. TIİİİ°èŸÄŸóŸx
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.                    çç[HK1_DMP_TOP_ADRS_1]            EQ      07
0129 C.                    çç[HK1_DMP_TOP_ADRS_0]            EQ      2B
0130 C.                    çç[HK1_DMP_BLOCK_NUM]             EQ      3
0131 C.                    çç[HK1_DMP_REPEAT_NUM]           EQ      0
0132 C.                    çç[HK1_DMA_DMP_PIM]              EQ      DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC      (07 0b f8)
0135 C.                    çç[HK1_PKT_FORM_NO]               EQ      7
0136 C.                    çç[HK1_PKT_GEN_TIME]              EQ      0.25 s
0137 C.                    çç[HK1_S_TLM_BIT_RATE]            EQ      32k
0138 C.                    çç[HK1_X_TLM_BIT_RATE]            EQ      4M
0139 C.                    çç[HK1_DMP_CHK_FLG]               EQ      EXEC
0140 C.
0141 . C. ŸÄŸóŸx¼ªªİ»æð³İÇŸ
0142 C.                    çç[HK1_DMP_CHK_FLG]               EQ      NON
0143 C.
0144 . C. RAM ID=TI_TBLæİŸÈ¹ç•è²İOKæð³İÇŸ
0145 C.
0146 . C. DHUŸâ;¼ŸÉ;È¼Ÿ½;Ÿi;¼ŸÈ;Èæðİâæ¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC      (02 0a f8)
0149 C.                    çç[HK1_PKT_FORM_NO]               EQ      2
0150 C.                    çç[HK1_PKT_GEN_TIME]              EQ      0.5S
0151 C.                    çç[HK1_S_TLM_BIT_RATE]            EQ      32K
0152 C.                    çç[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 2010-03-11 10:16:16.0
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 2010-03-11 10:16:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC      (21 02)
0174 +. TI 2010-03-11 10:16:40.0
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 2010-03-11 10:16:00.0
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 ´ũÃİæİ»ð¼ŸæÈÅDæ¹æDCBC•x²è *****
0192 C. (¼æ°İŸóŸÄŸÉŸPŸŸŸŸŸŸŸŸçŸæææ¼æ¼Å»Ÿæ¹æ)
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.
0130 C. ***** XRT START *****
0131 C.
0132 +. DC 07-F0 MDP_XRT_CTRL_MANU
0133 BC (c1)
0134 + DC 07-F0 MDP_XRT_MODE_STBY
0135 BC (c3)
0136 . C. ----- Success Verify ? OK / NG____
0137 C.
0138 C. XRT Obs. Table Upload
0139 . S. RAM ram-291:MDP_OBS_X
0140 ( )
0141 C.
0142 +. DC 07-F0 MDP_DUMP_XRTTBL
0143 BC (84 07 00 00 00 3a d4)
0144 . C. ----- Comparison Check ? OK / ERR ____
0145 C.
0146 C.
0147 +. DC 07-F0 MDP_XRT_ROI_SET
0148 BC (cd 01 b1 b1 04 04)
0149 + DC 07-F0 MDP_XRT_ROI_SET
0150 BC (cd 02 b1 b1 08 08)
0151 + DC 07-F0 MDP_XRT_ROI_SET
0152 BC (cd 03 b1 b1 08 08)
0153 + DC 07-F0 MDP_XRT_ROI_SET
0154 BC (cd 04 b1 b1 06 06)
0155 + DC 07-F0 MDP_XRT_ROI_SET
0156 BC (cd 06 80 60 20 18)
0157 + DC 07-F0 MDP_XRT_ROI_SET
0158 BC (cd 07 80 80 06 06)
0159 + DC 07-F0 MDP_XRT_ROI_SET
0160 BC (cd 08 80 80 20 20)
0161 + DC 07-F0 MDP_XRT_ROI_SET
0162 BC (cd 09 80 80 20 08)
0163 + DC 07-F0 MDP_XRT_ROI_SET
0164 BC (cd 0a 80 80 08 20)
0165 + DC 07-F0 MDP_XRT_ROI_SET
0166 BC (cd 0b 80 80 08 08)
0167 + DC 07-F0 MDP_XRT_ROI_SET
0168 BC (cd 0f 80 80 06 06)
0169 + DC 07-F0 MDP_XRT_ROI_SET
0170 BC (cd 10 80 80 04 04)
0171 + DC 07-F0 MDP_XRT_AEC_RESET
0172 BC (d0)
0173 . C. ----- Success Verify ? OK / NG ____
0174 C.
0175 C.
0176 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0177 C.
0178 +. DC 07-F0 MDP_XRT_MODE_OBSV
0179 BC (c2)
0180 +. TI 2010-03-11 10:16:02.0
0181 DC 07-F0 MDP_XRT_MODE_OBSV
0182 BC (c2)
0183 . C. ----- Success Verify ? OK / NG ____
0184 C.
0185 C. ***** XRT END *****
0186 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0187 +. DC 07-FC EIS_MODE_MANU
0188 BC (21 02)
0189 . C. Verify EIS in MANUAL mode
0190 . C. Estimated OBSTBL upload time is 36s
0191 C. *****
0192 C. EIS START OBSTBL LOAD
0193 C. *****

```

```
0194 . S. RAM ram-820:EIS_OBSTBL
0195 ( )
0196 +. DC 07-FC EIS_DUMP_OBSTBL
0197 BC (07 07 07 00 00 70 00)
0198 C.
0199 C. Execute, after the success of OBSTBL upload.
0200 C. Set EIS TI-commands
0201 +. TI 2010-03-11 10:16:50.0
0202 DC 07-FC EIS_MODE_CHG_ENA
0203 BC (20)
0204 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0205 C. *****
0206 C. EIS END OBSTBL LOAD
0207 C. *****
0208 C.
0209 . C. ***** MDP `úÃîñî»ò¼ŷñÊÂðñ¹ñèDCBC•x²è *****
0210 C. (¼á°îŷÓŷÃŷÈŷŲŷËŷáŷçŷèñÊ¼ññ¼Â»Ûñ¹ñè)
0211 . S. DC-BC dcbc-402:DCBC
0212 (MDP_known_event)
0213 C.
0214 C.
0215 . C. ***** ŷDŷ¹•İ Daily±¿İññÊ´Øñ¹ñèDCBC•x²è *****
0216 . S. DC-BC dcbc-153:DCBC
0217 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0218 C.
0219 C.
0220 . C. ïãLOSŷÁŷŲŷÃŷ¬¼Â»Ûñ¹ñè
0221 C.
0222 . C. ***** LOS *****
0223 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```

main-229 2010-03-11 13:31:06 79 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYŞ;¼Y³YFÛóYÉÁ+¿©
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿ðÁð•µ°Ë»Í×ÁÇúÍYçYÁY×Yí;¼YÉ;ÈÈè½µ•ííÈ;ÈÈÈ¼°ÇÔð•¾¿¼í¹çü;çÀ®, ù¹ñèñßçÁ+¿©ð•ñÈðð³ñÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop FG table >
0018 +. DC 07-F0 MDP_FG_CTRL_MANU
0019 BC (51)
0020 . C. -----
0021 C. MDP_FG_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload FG Observation Table>
0025 . S. RAM ram-268:MDP_OBS_F
0026 ( )
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_F >
0029 +. DC 07-F0 MDP_DUMP_FGTBL
0030 BC (82 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_F verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 . C. < Stop SP table >
0036 +. DC 07-F0 MDP_SP_CTRL_MANU
0037 BC (61)
0038 C. -----
0039 C. MDP_SP_CTRL_MODE = MANU [ ]
0040 C. -----
0041 C.
0042 . C. <Upload SP Observation Table>
0043 . S. RAM ram-286:MDP_OBS_S
0044 ( )
0045 C.
0046 . C. < Dump RAMID=MDP_OBS_S >
0047 +. DC 07-F0 MDP_DUMP_SPTBL
0048 BC (83 07 00 00 00 38 b8)
0049 C. -----
0050 C. MDP_OBS_S verify = OK/NG [ ]
0051 C. -----
0052 C.
0053 C. *****
0054 C. SOT TI command set
0055 C. *****
0056 C. Execute, after the success of TBL upload.
0057 +. TI 2010-03-11 10:16:18.0
0058 DC 07-F0 MDP_SOT_MODE_OBSV
0059 BC (40)
0060 . C. -----
0061 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0062 C. -----
0063 C.
0064 C.
0065 . C. ***** MDP `ûÁÎðÍ»ó¼YðÈÁð¹ðèDCBC•x²è *****
0066 C. (¾á°îYÓYÁYÈYÞYÉYáYçYè¾¼µ¾Á»Û¹ñè)
0067 . S. DC-BC dcbc-402:DCBC
0068 (MDP_known_event)
0069 C.
0070 C.
0071 . C. ***** YDÛ!•Ï Daily¿;íÑðÈ`Ø¹ñèDCBC•x²è *****
0072 . S. DC-BC dcbc-153:DCBC
0073 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0074 C.
0075 C.
0076 . C. ;ãLOSÝÁYŞYÁY-¼Á»Û;ã
0077 C.
0078 . C. ***** LOS *****
0079 C.

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*** OP Sequence for XRT ***

2010/03/11	10:26:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/11	10:26:56.0	XRT_FOCUS_POSITION_401_OG [0x191]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/03/11	10:27:00.0	AOCS_ORe-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	02 00 00 00 00
2010/03/11	10:27:16.0	XRT_FLD_ENA_402_OG [0x192]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/03/11	10:27:18.0	XRT_FLD_RESET_403_OG [0x193]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/03/11	10:27:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/03/11	10:27:22.0	XRT_ARS_DIS_405_OG [0x195]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/03/11	10:29:56.0	XRT_QT_PROG_SET_406_OG [0x196]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 04
2010/03/11	10:29:58.0	XRT_FL_PROG_SET_407_OG [0x197]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 02
2010/03/11	10:30:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/11	14:48:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/11	14:59:00.0	XRT_Custom_410_OG [0x19a]			
2010/03/11	15:00:00.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/11	16:22:30.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/11	18:22:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/11	18:22:56.0	XRT_FOCUS_POSITION_412_OG [0x19c]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/03/11	18:23:00.0	AOCS_ORe-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2010/03/11	18:23:16.0	XRT_FLD_DIS_413_OG [0x19d]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2010/03/11	18:23:18.0	XRT_FLRCTRL_DIS_414_OG [0x19e]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/03/11	18:23:20.0	XRT_ARS_DIS_415_OG [0x19f]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/03/11	18:25:58.0	XRT_QT_PROG_SET_416_OG [0x1a0]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01
2010/03/11	18:26:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/11	18:32:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/11	18:32:56.0	XRT_FOCUS_POSITION_401_OG [0x191]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/03/11	18:33:00.0	AOCS_ORe-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	01 00 00 00 00
2010/03/11	18:33:16.0	XRT_FLD_ENA_402_OG [0x192]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/03/11	18:33:18.0	XRT_FLD_RESET_403_OG [0x193]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/03/11	18:33:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/03/11	18:33:22.0	XRT_ARS_DIS_405_OG [0x195]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/03/11	18:35:56.0	XRT_QT_PROG_SET_417_OG [0x1a1]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05
2010/03/11	18:35:58.0	XRT_FL_PROG_SET_407_OG [0x197]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 02
2010/03/11	18:36:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/11	19:36:30.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/11	21:37:30.0	XRT_Custom_410_OG [0x19a]			
2010/03/11	21:38:30.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/11	22:51:30.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/11	23:12:00.0	XRT_Custom_410_OG [0x19a]			
2010/03/11	23:13:00.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/12	00:29:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/12	02:11:30.0	XRT_Custom_410_OG [0x19a]			
2010/03/12	02:12:30.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/12	03:28:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/12	03:48:30.5	XRT_Custom_410_OG [0x19a]			
2010/03/12	03:49:30.5	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/12	04:58:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/12	05:26:00.0	XRT_Custom_410_OG [0x19a]			
2010/03/12	05:27:00.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/12	05:54:24.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/12	05:54:26.0	XRT_FOCUS_POSITION_412_OG [0x19c]			

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2010/03/12	05:54:30.0	AOCS_ORe-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
			AOCU_NM	5	02-76	00	00	00	00
2010/03/12	05:54:46.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2010/03/12	05:54:48.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/03/12	05:54:50.0	XRT_ARS_DIS_415_OG [0x19f]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/03/12	05:57:28.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	01		
2010/03/12	05:57:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/03/12	06:04:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/03/12	06:04:26.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2010/03/12	06:04:30.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01	00	00	00
2010/03/12	06:04:46.0	XRT_FLD_ENA_402_OG [0x192]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/03/12	06:04:48.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da			
2010/03/12	06:04:50.0	XRT_FLRCTRL_ENA_404_OG [0x194]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2010/03/12	06:04:52.0	XRT_ARS_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/03/12	06:07:26.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	05		
2010/03/12	06:07:28.0	XRT_FL_PROG_SET_407_OG [0x197]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	02		
2010/03/12	06:07:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/03/12	06:38:30.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/03/12	07:03:30.0	XRT_Custom_410_OG [0x19a]							
2010/03/12	07:04:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/03/12	07:59:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/03/12	07:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2010/03/12	08:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01	00	00	00
2010/03/12	08:00:16.0	XRT_FLD_ENA_402_OG [0x192]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/03/12	08:00:18.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da			
2010/03/12	08:00:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2010/03/12	08:00:22.0	XRT_ARS_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/03/12	08:02:56.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	05		
2010/03/12	08:02:58.0	XRT_FL_PROG_SET_407_OG [0x197]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	02		
2010/03/12	08:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/03/12	08:18:30.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/03/12	10:14:30.0	XRT_Custom_410_OG [0x19a]							
2010/03/12	10:15:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/03/12	14:59:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/03/12	14:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2010/03/12	15:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	04	00	00	00
2010/03/12	15:00:16.0	XRT_FLD_ENA_402_OG [0x192]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/03/12	15:00:18.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da			
2010/03/12	15:00:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2010/03/12	15:00:22.0	XRT_ARS_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/03/12	15:02:56.0	XRT_QT_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03		
2010/03/12	15:02:58.0	XRT_FL_PROG_SET_407_OG [0x197]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	02		
2010/03/12	15:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/03/12	15:23:30.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/03/12	15:46:30.0	XRT_Custom_410_OG [0x19a]							
2010/03/12	15:47:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/03/12	16:59:30.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/03/12	17:23:00.0	XRT_Custom_410_OG [0x19a]							
2010/03/12	17:24:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			

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2010/03/12	17:59:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/03/12	17:59:56.0	XRT_FOCUS_POSITION_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2010/03/12	18:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2010/03/12	18:00:16.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/03/12	18:00:18.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/03/12	18:00:20.0	XRT_ARS_DIS_415_OG [0x19f]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/03/12	18:02:58.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 01	
2010/03/12	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/03/12	18:10:00.0	AOCS_Ore-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	00 00 9b c3 34	
2010/03/12	19:10:00.0	AOCS_Ore-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00 00 9b ba 4e	
2010/03/12	20:10:00.5	AOCS_Ore-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00 00 9b b1 69	
2010/03/12	21:09:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/03/12	21:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2010/03/12	21:10:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01 00 00 00 00	
2010/03/12	21:10:16.0	XRT_FLD_ENA_402_OG [0x192]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/03/12	21:10:18.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/03/12	21:10:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2010/03/12	21:10:22.0	XRT_ARS_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/03/12	21:12:56.0	XRT_QT_PROG_SET_419_OG [0x1a3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06	
2010/03/12	21:12:58.0	XRT_FL_PROG_SET_407_OG [0x197]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 02	
2010/03/12	21:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/03/12	21:51:00.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/03/12	22:13:30.0	XRT_Custom_410_OG [0x19a]					
2010/03/12	22:14:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/03/12	23:28:30.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/03/13	01:12:00.0	XRT_Custom_410_OG [0x19a]					
2010/03/13	01:13:00.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/03/13	02:28:00.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/03/13	02:48:30.0	XRT_Custom_410_OG [0x19a]					
2010/03/13	02:49:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/03/13	03:56:00.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/03/13	04:25:30.5	XRT_Custom_410_OG [0x19a]					
2010/03/13	04:26:30.5	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/03/13	05:36:30.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/03/13	06:12:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/03/13	06:12:56.0	XRT_FOCUS_POSITION_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2010/03/13	06:13:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2010/03/13	06:13:16.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/03/13	06:13:18.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/03/13	06:13:20.0	XRT_ARS_DIS_415_OG [0x19f]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/03/13	06:15:58.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 01	
2010/03/13	06:16:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/03/13	06:22:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/03/13	06:22:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2010/03/13	06:23:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01 00 00 00 00	
2010/03/13	06:23:16.0	XRT_FLD_ENA_402_OG [0x192]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/03/13	06:23:18.0	XRT_FLD_RESET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/03/13	06:23:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2010/03/13	06:23:22.0	XRT_ARS_DIS_405_OG [0x195]					

2010/03/13	06:25:56.0	XRT_QT_PROG_SET_419_OG [0x1a3]	MDP_XRT_ARS_DIS	1	07-F0	d5					
2010/03/13	06:25:58.0	XRT_FL_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06				
2010/03/13	06:26:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	02				
2010/03/13	07:16:30.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2010/03/13	07:40:30.0	XRT_Custom_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/03/13	07:41:30.0	XRT_CTRL_AUTO_411_OG [0x19b]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2010/03/13	08:56:30.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2010/03/13	10:37:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00	00	00