

XRT Timeline to be uploaded on 2009/12/21

Period: 2009/12/21 10:51:00 - 2009/12/24 11:04:00

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Normal mode

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XOB #1749: AR - Ti/Poly(384FOV), Al-mesh, Ti-poly, Thick-Al, G-band(512FOV) - AEC1_3												
Term	Pointing (x, y)				Comment							
12/21 11:08:02 - 12/21 14:01:54	Fixed (820.0, 470.0)				# OP start + 10min, AR11035 on the NW-limb							
12/22 07:06:02 - 12/22 09:20:00	Fixed (820.0, 470.0)				AR11035 on the NW-limb							
PROG= 10 1-time(s)												
└─ Subr= 1 1-time(s) 30.0sec												
└─ Seqn= 41 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= 28 1-time(s) 30.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 125ms Obs 1x1 512x512 (1024, 1024) Q=95 1 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 250ms Obs 1x1 512x512 (1024, 1024) Q=95 1 0 2.0sec												
└─ Open/thick-Al Open/thick-Al close Safe Norm 1.00s Obs 1x1 512x512 (1024, 1024) Q=95 1 0 2.0sec												
└─ Subr= 2 20-time(s) 2.0sec												
└─ Seqn= 9 1-time(s) 20.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Norm 250ms Obs 1x1 384x384 (1024, 1024) Q=95 3 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #170C: Synoptic Q95 2x2 - Al/mesh(45/512) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(128/1024) + G-band(16)												
Term	Pointing (x, y)				Comment							
12/21 14:05:00 - 12/21 14:24:54	Fixed (0.0, 0.0)				Synoptic on 14:00 UT							
12/22 05:56:00 - 12/22 06:02:54	Fixed (0.0, 0.0)				synoptic, shifted -23.0 min							
PROG= 04 1-time(s)												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 43 1-time(s) 4.0sec												
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 44ms 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= 2 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= 40 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/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 #1748: HOP79 G-Band Q90 2x2 - Al/mesh - Ti/Poly 384FOV												
Term	Pointing (x, y)				Comment							
12/21 14:29:00 - 12/21 14:49:54	Fixed (-10.0, -941.0)				HOP79 (1/20)							
12/21 14:54:00 - 12/21 15:14:54	Fixed (-10.0, -842.0)				2/20							
12/21 15:19:00 - 12/21 16:14:54	Fixed (-10.0, -742.0)				3/20							
12/21 16:19:00 - 12/21 16:39:54	Fixed (-10.0, -643.0)				4/20							
12/21 16:44:00 - 12/21 17:49:54	Fixed (-10.0, -543.0)				5/20							
12/21 17:54:00 - 12/21 18:15:54	Fixed (-10.0, -444.0)				6/20							
12/21 18:20:00 - 12/21 18:39:54	Fixed (-10.0, -344.0)				HOP79 7/20							
12/21 18:44:00 - 12/21 19:29:54	Fixed (-10.0, -244.0)				8/20							
12/21 19:34:00 - 12/21 19:54:54	Fixed (-10.0, -145.0)				9/20							
12/21 19:59:00 - 12/21 21:04:54	Fixed (-10.0, -45.0)				10/20							
12/21 21:09:00 - 12/21 21:29:54	Fixed (-10.0, 25.0)				11/20							
12/21 21:34:00 - 12/21 21:54:54	Fixed (-10.0, 125.0)				12/20							
12/21 21:59:00 - 12/21 22:44:54	Fixed (-10.0, 224.0)				13/20							
12/21 22:49:00 - 12/21 23:09:54	Fixed (-10.0, 324.0)				14/20							
12/21 23:14:00 - 12/22 00:09:54	Fixed (-10.0, 424.0)				15/20							
12/22 00:14:00 - 12/22 00:34:54	Fixed (-10.0, 523.0)				16/20							
12/22 00:39:00 - 12/22 00:59:54	Fixed (-10.0, 623.0)				17/20							
12/22 01:04:00 - 12/22 01:39:54	Fixed (-10.0, 722.0)				18/20							
12/22 01:44:00 - 12/22 02:04:54	Fixed (-10.0, 822.0)				19/20							
12/22 02:09:00 - 12/22 02:29:54	Fixed (-10.0, 921.0)				20/20							
PROG= 11 1-time(s)												
└─ Subr= 1 1-time(s) 120.0sec												
└─ Seqn= 30 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
└─ Subr= 2 1-time(s) 2.0sec												
└─ Seqn= 21 6-time(s) 120.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Norm 1.00s Obs 1x1 384x384 (1024, 1024) Q=90 0 0 2.0sec												
└─ Open/Ti-poly Open/Ti-poly close Safe Norm 4.00s Obs 1x1 384x384 (1024, 1024) Q=90 0 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #16AC: G-Band Alignment with North Pole Q90 2x2(G-band only) - 5min cadence - Partial Sun-wNGT												
Term		Pointing (x, y)						Comment				
12/22 02:45:00 - 12/22 04:09:54		Fixed (0.0, 945.0)						Coalignment N-limb				
PROG= 06 1-time(s)												
└ Subr= 1 1-time(s) 360.0sec												
└ Seqn= 67 24-time(s) 300.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x1536 (1024, 768)	Q=90	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #16AD: G-Band Alignment with East limb Q90 2x2 (G-band only) - 8 min cadence-wNGT												
Term		Pointing (x, y)						Comment				
12/22 04:25:00 - 12/22 05:52:54		Fixed (-945.0, 0.0)						Coalignment E-limb				
PROG= 07 1-time(s)												
└ Subr= 1 1-time(s) 360.0sec												
└ Seqn= 76 15-time(s) 480.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	1536x2048 (1280, 1024)	Q=90	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #174A: G-Band Alignment with West limb Q90 2x2 (G-band only) - 5 min cadence-wNGT-3												
Term		Pointing (x, y)						Comment				
12/22 06:06:00 - 12/22 06:32:54		Fixed (945.0, 0.0)						Coalignment W-limb				
PROG= 13 1-time(s)												
└ Subr= 1 1-time(s) 360.0sec												
└ Seqn= 68 24-time(s) 300.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	1536x2048 (768, 1024)	Q=90	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1725: G-Band Alignment with South Pole Q90 2x2(G-band only) - 5min cadence - Partial Sun-wNGT-2												
Term		Pointing (x, y)						Comment				
12/22 06:36:00 - 12/22 07:02:54		Fixed (0.0, -945.0)						Coalignment S-limb				
PROG= 18 Inf.-time(s)												
└ Subr= 1 1-time(s) 360.0sec												
└ Seqn= 73 24-time(s) 300.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x1536 (1024, 1280)	Q=90	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1747: Dark - Open+Thick-Be - 8x8 - 512x512												
Term		Pointing (x, y)						Comment				
12/22 09:22:46 - 12/22 09:23:46		Fixed (820.0, 470.0)						AR11035 on the NW-limb				
PROG= 16 1-time(s)												
└ Subr= 1 1-time(s) 2.0sec												
└ Seqn= 47 1-time(s) 2.0sec												
Open/thick-Be	Open/thick-Be	close	Safe	Dark	63ms	Obs	8x8	512x512 (1024, 1024)	DPCM	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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Flare mode
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NOT USED

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Active Region Search
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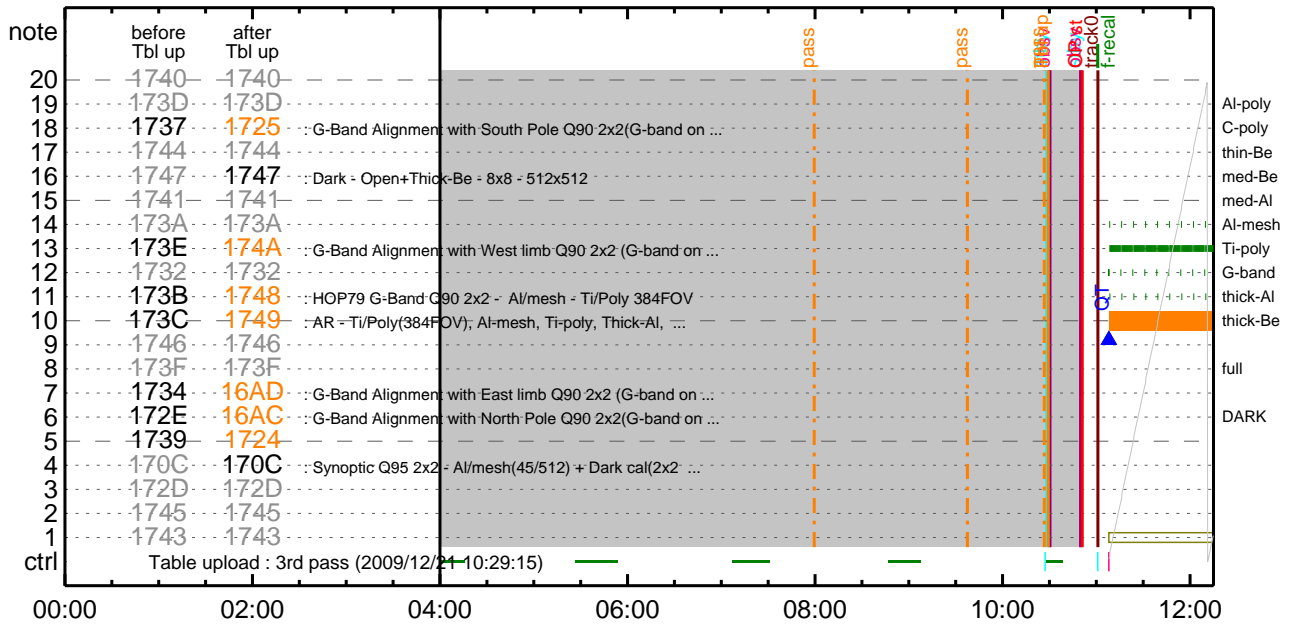
NOT USED

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Flare Detection
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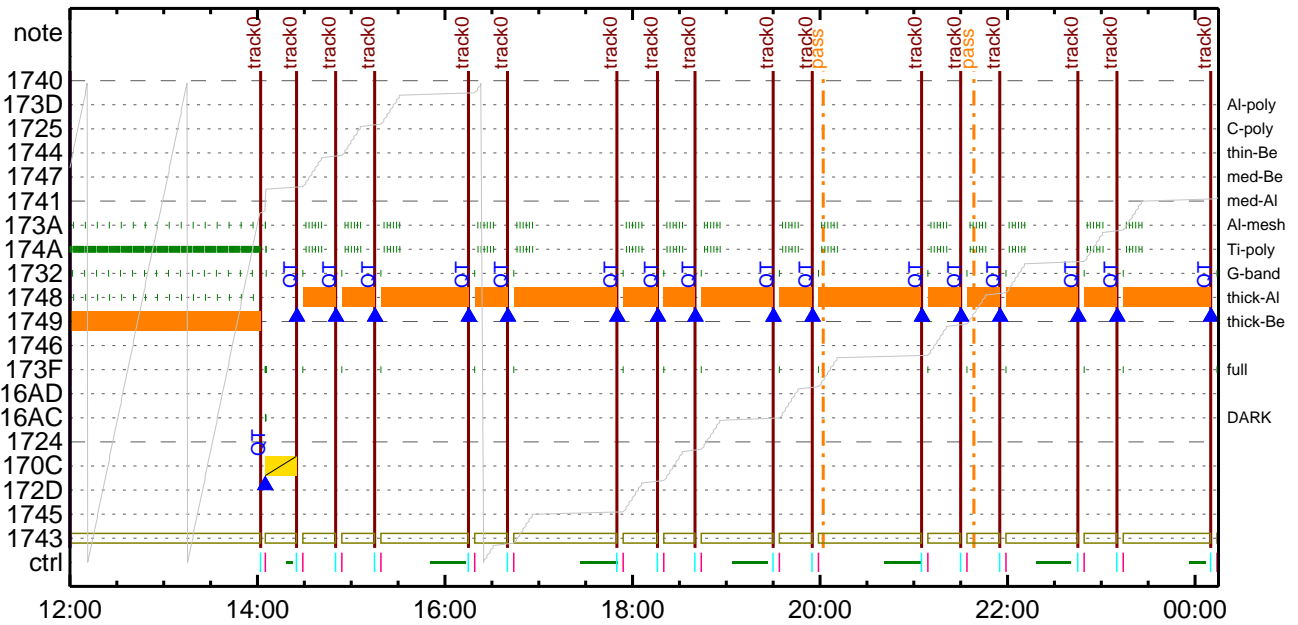
NOT USED

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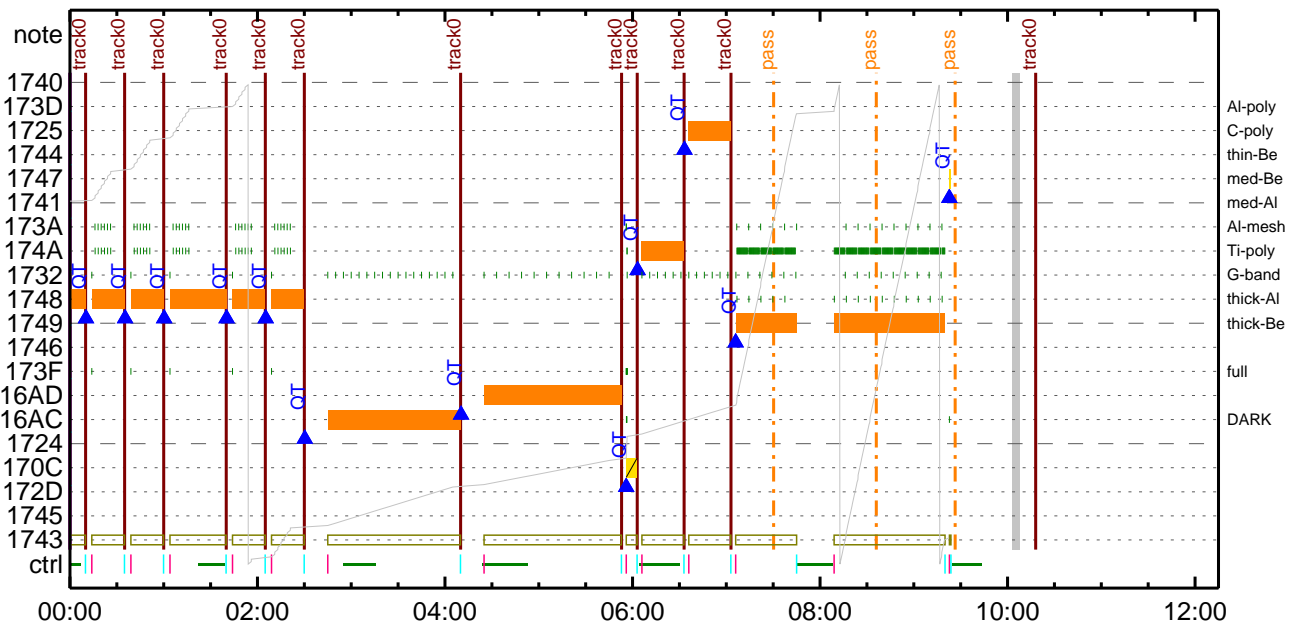
CMDI #0977 2009/12/21



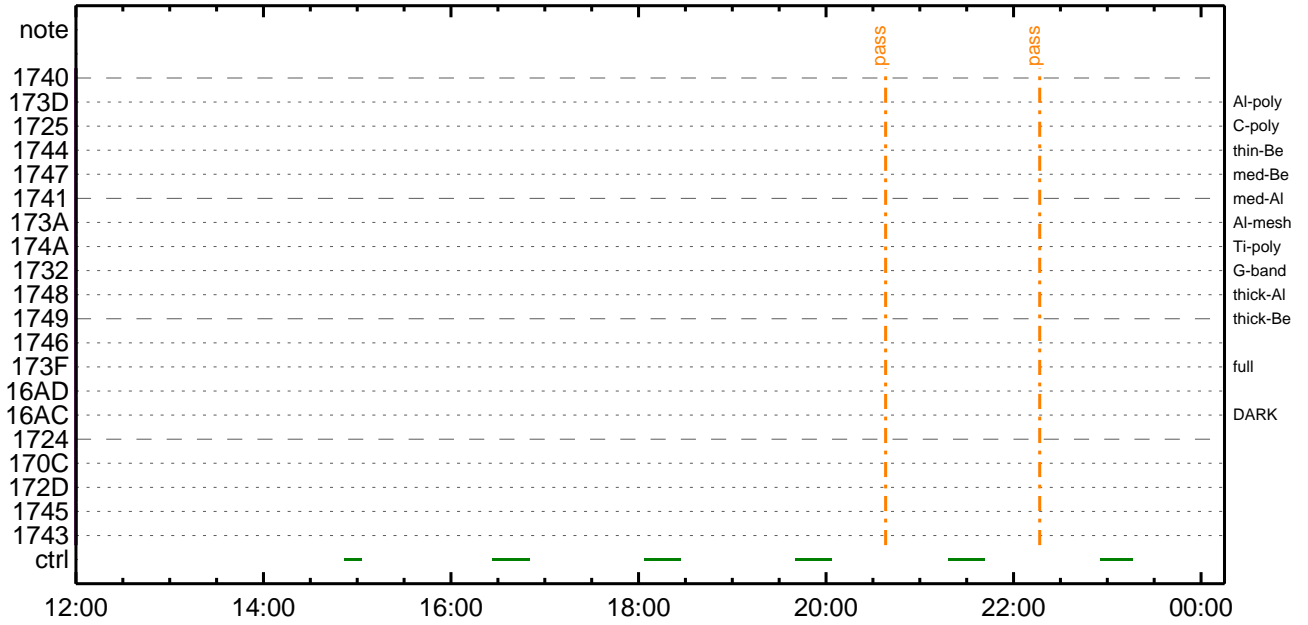
CMDI #0977 2009/12/21



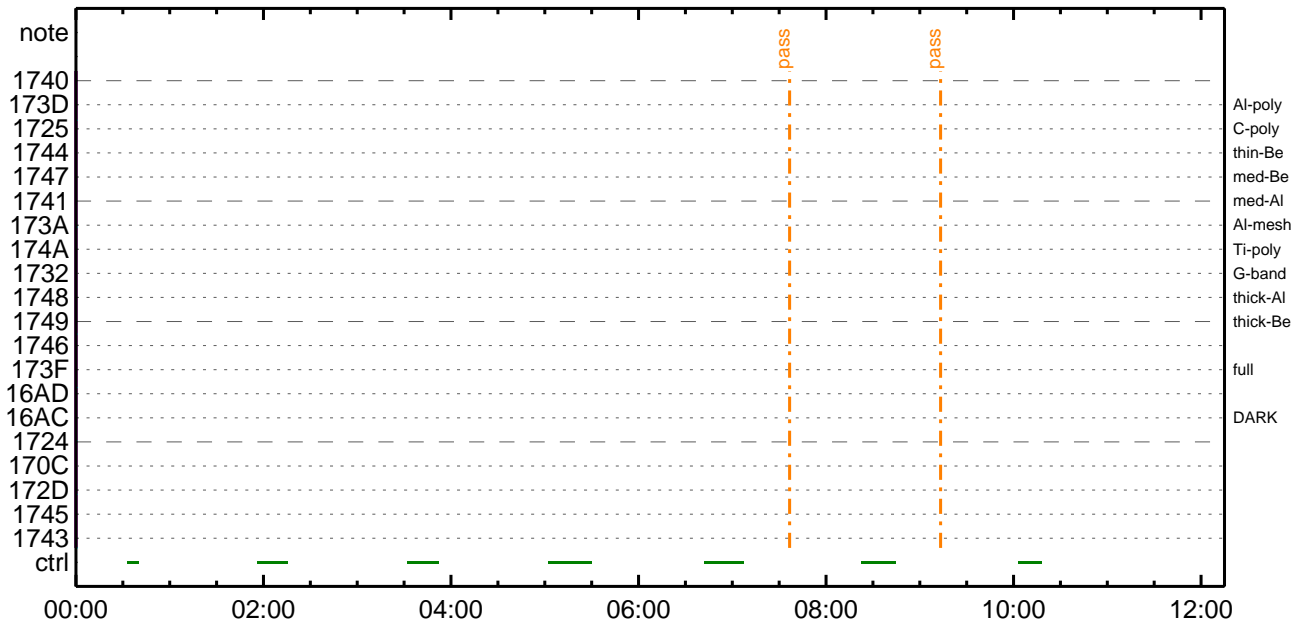
CMDI #0977 2009/12/22



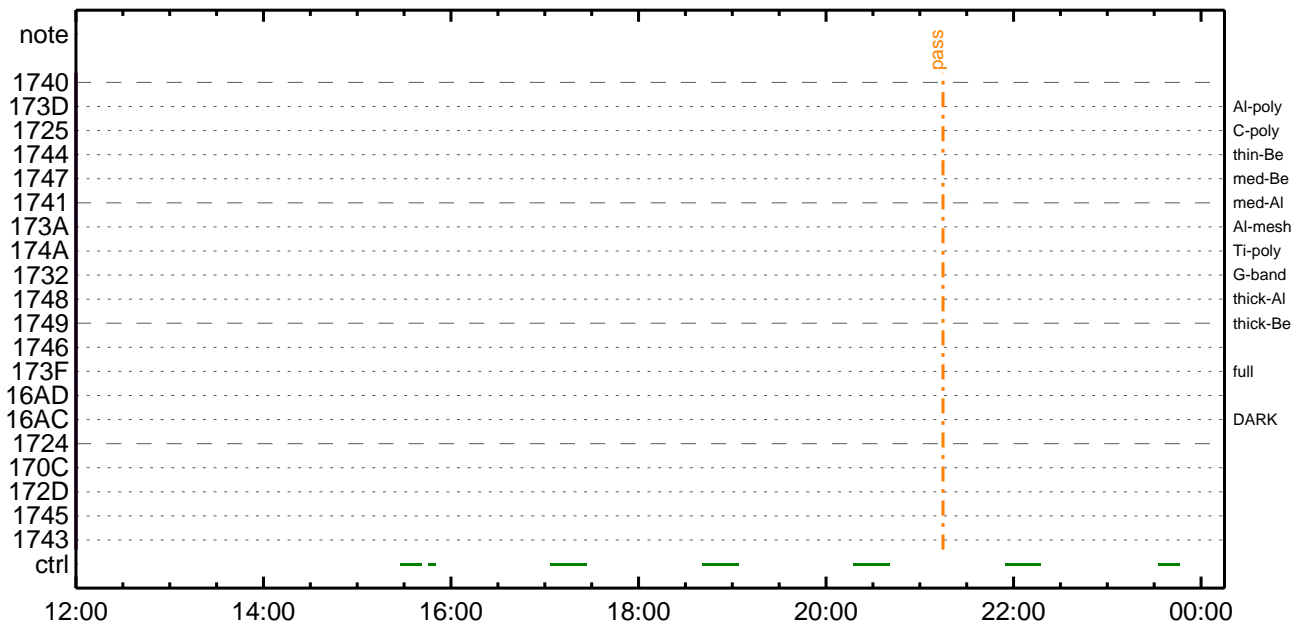
CMDI #0977 2009/12/22



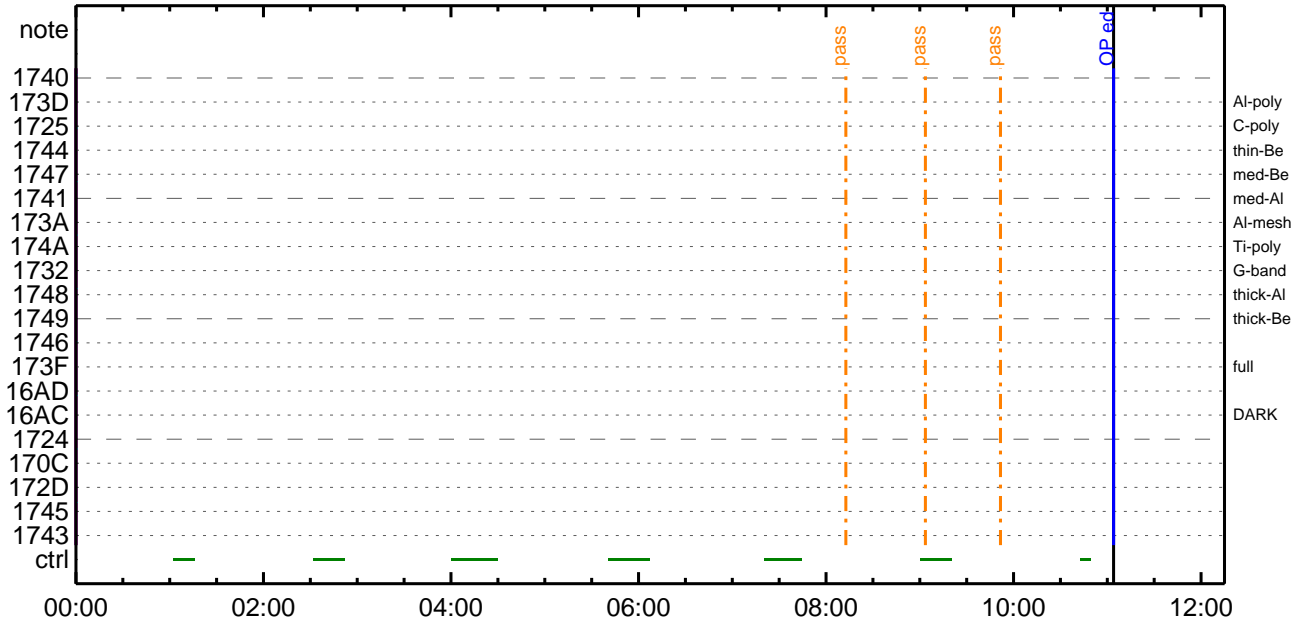
CMDI #0977 2009/12/23



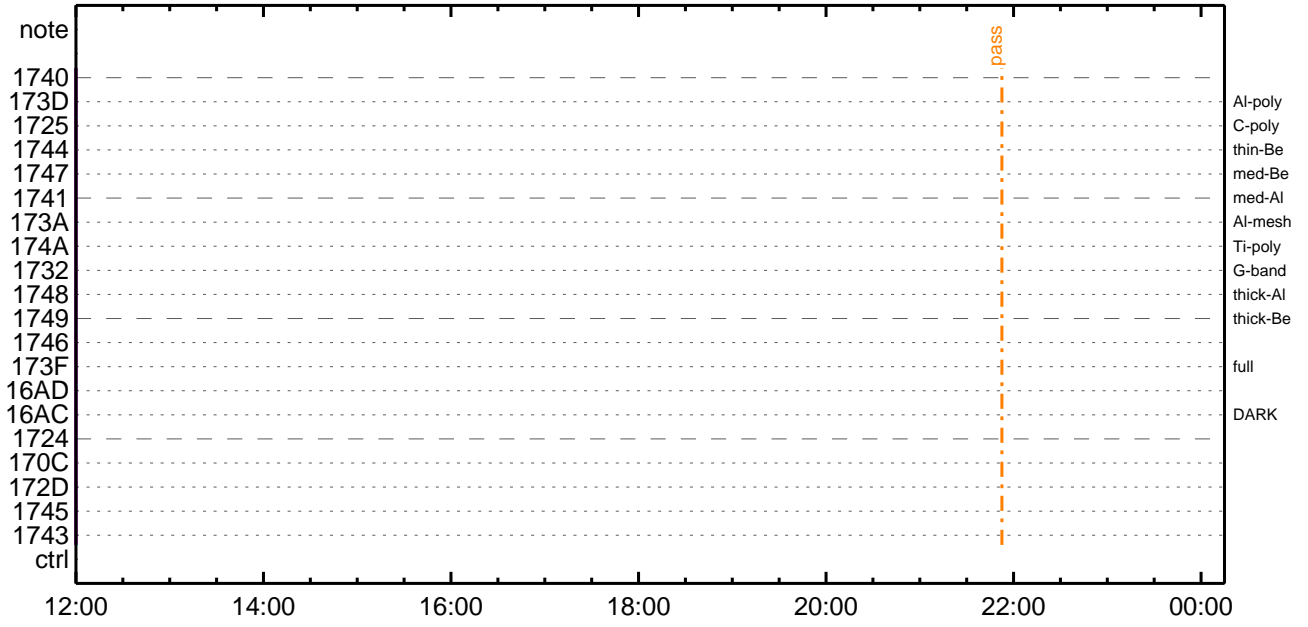
CMDI #0977 2009/12/23



CMDI #0977 2009/12/24



CMDI #0977 2009/12/24




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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;YÉ;YAYóYx
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;YÉ;ã
0103 S. OP op-057:OP
0104 ( )
0105 S. OG og-057:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPîî°èYAYóYx;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YAYóYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î½Ë¹ç•è²îOKò³îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. YAYóYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î½Ë¹ç•è²îOKò³îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. YAYóYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î½Ë¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** °Ê²¼òî½Ë¹ç•è²îOKò³îÇ§ *****
0167 C. DHUYâ;YÉ;Ê½Y½;Yî;YÉ;Ëòîã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE ;§ OPOG UPLOAD²-Á÷çîNG²î½Ë¹ç•è²¼òîTI-CMDÁ÷ç²î½Ë¹ç•è²¼òî³çç²;f
0180 C. çç[HK1_DMP_CHK_FLG] EQ NON
0181 C.
0182 C. TIY³Y½YóYÉòòÁDîç(UT)
0183 +. TI 2009-12-21 10:46:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2009-12-21 10:46:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2009-12-21 10:46:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2009-12-21 10:50:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]                EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼αîÄë%îíñαîîŷÄŷ§ŷÄŷ-¹àîü
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. TIîî°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»αò³îç§
0226 C.          çç[HK1_DMP_CHK_FLG]            EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLαîî¼È¹ç•è²îOKαò³îç§
0229 C.
0230 C. DHUŷâ;¼ŷÉ;È¼ŷ¼. ŷî;¼ŷÈ;Èαòîäα¹
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. *****
0239 C. SOT TI command set
0240 C. *****
0241 C. Execute, after the success of OP upload.
0242 +. TI 2009-12-21 10:50:16.0
0243 DC 07-F0 MDP_SOT_MODE_STBY
0244 BC      (41)
0245 C. -----
0246 C. HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0247 C. -----
0248 C. ***** SOT END *****
0249 C. Stop EIS observation and temporarily disable EIS mode changes
0250 C.
0251 C.
0252 C. ***** Start EIS operation (TI set) *****
0253 C. Execute, after the success of OP upload.
0254 C. Set EIS TI-commands
0255 +. TI 2009-12-21 10:50:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC      (21 02)
0258 +. TI 2009-12-21 10:50:40.0
0259 DC 07-FC EIS_MODE_CHG_DIS
0260 BC      (22)
0261 C.          [ ] [HK1_TI_CMD_NUM]            EQ      2 COUNTUP
0262 C. ***** End EIS operation (TI set) *****
0263 C.
0264 C.
0265 C.
0266 C. ***** XRT START *****
0267 C. Execute, after the success of OP upload.
0268 +. TI 2009-12-21 10:50:00.0
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 ´ûÃîαî»ö¼ŷαÈÄα¹αèDCBC•x²è *****
0276 C. (¼á°îŷÖŷÄŷÈŷŷŷÈŷáŷçŷèèÈ¼αα¼Ã»Ûα¹αè)
0277 C. S. DC-BC dcbc-402:DCBC
0278 C. (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ŷÐŷ¹•î Daily±çîñαè'Øα¹αèDCBC•x²è *****
0282 C. S. DC-BC dcbc-153:DCBC
0283 C. (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOSŷÄŷ§ŷÄŷ-¼Ã»Û;ã
0287 C.
0288 C. ***** LOS *****
0289 C.

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0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCs Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. ***** AOCs Commands (Orbital Element Update) *****
0130 C. Update the orbital element
0131 +. DC 02-50 AOCU_ORB_PRPGT_START
0132 BC (16)
0133 + DC 02-8E AOCU_ORB_UPD
0134 C.
0135 C. <A_ORB>[ORBIT] EPC = 1477288.2 +- 1.0 (s) [ ]
0136 C.
0137 . C.
0138 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0139 +. DC 07-FC EIS_MODE_MANU
0140 BC (21 02)
0141 . C. Verify EIS in MANUAL mode
0142 . C. Estimated OBSTBL upload time is 49s
0143 C. *****
0144 C. EIS START OBSTBL LOAD
0145 C. *****
0146 . S. RAM ram-820:EIS_OBSTBL
0147 ( )
0148 +. DC 07-FC EIS_DUMP_OBSTBL
0149 BC (07 07 07 00 00 70 00)
0150 C.
0151 C. Execute, after the success of OBSTBL upload.
0152 C. Set EIS TI-commands
0153 +. TI 2009-12-21 10:50:50.0
0154 DC 07-FC EIS_MODE_CHG_ENA
0155 BC (20)
0156 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0157 C. *****
0158 C. EIS END OBSTBL LOAD
0159 C. *****
0160 C.
0161 . C. ***** MDP 'úÃîî'»ö¼ÝðËÄð¹ñèDCBC•x²è *****
0162 C. (%ã°îÝÓÝÁÝËÝÞÝËÝáÝçÝèñÈ¼¼¼¼¼»Û¹ñè)
0163 . S. DC-BC dcbc-402:DCBC
0164 (MDP_known_event)
0165 C.
0166 C.
0167 . C. ***** ÝÐÝ¹•İ Daily±çİÑñË'Ø¹ñèDCBC•x²è *****
0168 . S. DC-BC dcbc-153:DCBC
0169 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0170 C.
0171 C.
0172 . C. ;ãLOSÝÁÝ$ÝÄÝ¹¼Ä»Û;ã
0173 C.
0174 . C. ***** LOS *****
0175 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-059 2009-12-21 13:05:55 135 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSÿÄÿ$ÿÄÿ-¼Ä»Ü;ã
0005 C.
0006 C. ÿÄÿB;¼ÿ³ÿFÿóÿÉÄ;¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C.  Áí;È¿¿Àß•µ°Ë×ÁÇ¿ÍÿçÿÄÿ×ÿÿí;¼ÿÿÉ;ÈÈè¿µ•ííÉ;ÈßÈ¼°ÇÖ¿•¿¿¼í¹¿¿í;çÄ®, ù¿¹¿èß¿çÄ+¿¿¿•¿È¿¿¿¿¿¿¿¿;¿
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Upload DPL 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. ÿçÿÄÿ×ÿÿí;¼ÿÿÉ¿ÍÁ°¿ESTS_CHK¿ðOFF¿È¿¹¿è
0025 C.
0026 . S. RAM ram-271:MDP_DPL
0027 ( )
0028 C.
0029 . C. < Dump RAMID=MDP_DPL >
0030 +. DC 07-F0 MDP_DUMP_FGTBL
0031 BC (82 07 00 38 b8 00 40)
0032 C. -----
0033 C. MDP_DPL verify = OK [ ]
0034 C. -----
0035 C.
0036 C. STS_CHK¿ðON¿È¿¹¿è
0037 C.
0038 . C. < Update MDP DSC PAR1 >
0039 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0040 BC (4c)
0041 C. MDP_CMD_CODE = F04C0700[ ]
0042 C. MDP_CMD_CNT (count-up 1) [ ]
0043 C. -----
0044 C.
0045 C.
0046 C. *****
0047 C. SOT TI command set
0048 C. *****
0049 C. Execute, after the success of TBL upload.
0050 +. TI 2009-12-21 10:50:18.0
0051 DC 07-F0 MDP_SOT_MODE_OBSV
0052 BC (40)
0053 . C. -----
0054 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0055 C. -----
0056 C.
0057 C.
0058 C. ***** XRT START *****
0059 C.
0060 +. DC 07-F0 MDP_XRT_CTRL_MANU
0061 BC (c1)
0062 +. DC 07-F0 MDP_XRT_MODE_STBY
0063 BC (c3)
0064 . C. ----- Success Verify ? OK / NG____
0065 C.
0066 C. XRT Obs. Table Upload
0067 . S. RAM ram-291:MDP_OBS_X
0068 ( )
0069 C.
0070 +. DC 07-F0 MDP_DUMP_XRTTBL
0071 BC (84 07 00 00 00 3a d4)
0072 . C. ----- Comparison Check ? OK / ERR _____
0073 C.
0074 C.
0075 +. DC 07-F0 MDP_XRT_ROI_SET
0076 BC (cd 01 b1 b1 04 04)
0077 +. DC 07-F0 MDP_XRT_ROI_SET
0078 BC (cd 02 b1 b1 08 08)
0079 +. DC 07-F0 MDP_XRT_ROI_SET
0080 BC (cd 03 b1 b1 08 08)
0081 +. DC 07-F0 MDP_XRT_ROI_SET
0082 BC (cd 04 b1 b1 06 06)
0083 +. DC 07-F0 MDP_XRT_ROI_SET
0084 BC (cd 06 80 80 08 08)
0085 +. DC 07-F0 MDP_XRT_ROI_SET
0086 BC (cd 07 80 80 06 06)
0087 +. DC 07-F0 MDP_XRT_ROI_SET
0088 BC (cd 08 80 80 20 20)
0089 +. DC 07-F0 MDP_XRT_ROI_SET
0090 BC (cd 09 80 80 20 08)
0091 +. DC 07-F0 MDP_XRT_ROI_SET
0092 BC (cd 0a 80 80 08 20)
0093 +. DC 07-F0 MDP_XRT_ROI_SET
0094 BC (cd 0b 80 60 20 18)
0095 +. DC 07-F0 MDP_XRT_ROI_SET
```

```
0096 BC (cd 0c a0 80 18 20)
0097 + DC 07-F0 MDP_XRT_ROI_SET
0098 BC (cd 0d 60 80 18 20)
0099 + DC 07-F0 MDP_XRT_ROI_SET
0100 BC (cd 0e 80 a0 20 18)
0101 + DC 07-F0 MDP_XRT_ROI_SET
0102 BC (cd 0f 80 80 06 06)
0103 + DC 07-F0 MDP_XRT_ROI_SET
0104 BC (cd 10 80 80 04 04)
0105 + DC 07-F0 MDP_XRT_AEC_RESET
0106 BC (d0)
0107 . C. ----- Success Verify ? OK / NG ____
0108 C.
0109 C.
0110 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0111 C.
0112 +. DC 07-F0 MDP_XRT_MODE_OBSV
0113 BC (c2)
0114 +. TI 2009-12-21 10:50:02.0
0115 DC 07-F0 MDP_XRT_MODE_OBSV
0116 BC (c2)
0117 . C. ----- Success Verify ? OK / NG ____
0118 C.
0119 C. ***** XRT END *****
0120 C.
0121 . C. ***** MDP `uAÎaî»ö%ÿoEÄDα¹αèDCBC•x²è *****
0122 C. (%â°İÿÓÿÄÿÈÿPÿEÿÄÿçÿèαE%¼αα¼Ä»Ûα¹αè)
0123 . S. DC-BC dcbc-402:DCBC
0124 (MDP_known_event)
0125 C.
0126 C.
0127 . C. ***** ÿDÿ¹·İ Daily±;İÑαE´Øα¹αèDCBC•x²è *****
0128 . S. DC-BC dcbc-153:DCBC
0129 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0130 C.
0131 C.
0132 . C. ;ãLOSÿÁÿSÿÿÄÿ-¼Ä»Û;ã
0133 C.
0134 . C. ***** LOS *****
0135 C.
```

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*** OP Sequence for XRT ***

2009/12/21	11:00:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/21	11:00:56.0	XRT_FOCUS_RECALIBRATE_424_OG [0x1a8]							
		XRT_FOCUS_RECAL	2	07-F8	78	00			
2009/12/21	11:01:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00	d6	36	b7	1b
2009/12/21	11:04:56.0	XRT_AEC_RESET_403_OG [0x193]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/12/21	11:04:58.0	XRT_FOCUS_POSITION_413_OG [0x19d]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/12/21	11:05:18.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/21	11:05:20.0	XRT_FLRCTRL_DIS_410_OG [0x19a]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/21	11:05:22.0	XRT_ARS_DIS_411_OG [0x19b]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/21	11:08:00.0	XRT_QT_PROG_SET_425_OG [0x1a9]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a			
2009/12/21	11:08:02.0	XRT_CTRL_AUTO_407_OG [0x197]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/21	14:01:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/21	14:01:56.0	XRT_FOCUS_POSITION_408_OG [0x198]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/12/21	14:02:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00
2009/12/21	14:02:16.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/21	14:02:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/21	14:02:20.0	XRT_ARS_DIS_411_OG [0x19b]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/21	14:04:58.0	XRT_QT_PROG_SET_402_OG [0x192]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	04			
2009/12/21	14:05:00.0	XRT_CTRL_AUTO_407_OG [0x197]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/21	14:24:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/21	14:24:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/12/21	14:25:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	53	a5	00	e5
2009/12/21	14:25:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2009/12/21	14:28:54.0	XRT_ARS_DIS_404_OG [0x194]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/21	14:28:56.0	XRT_FLD_DIS_405_OG [0x195]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/21	14:28:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/21	14:29:00.0	XRT_CTRL_AUTO_407_OG [0x197]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/21	14:49:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/21	14:49:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/12/21	14:50:00.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00	4a	d9	00	e5
2009/12/21	14:50:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2009/12/21	14:53:54.0	XRT_ARS_DIS_404_OG [0x194]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/21	14:53:56.0	XRT_FLD_DIS_405_OG [0x195]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/21	14:53:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/21	14:54:00.0	XRT_CTRL_AUTO_407_OG [0x197]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/21	15:14:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/21	15:14:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/12/21	15:15:00.0	AOCS_Ore-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00	41	f3	00	e5
2009/12/21	15:15:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2009/12/21	15:18:54.0	XRT_ARS_DIS_404_OG [0x194]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/21	15:18:56.0	XRT_FLD_DIS_405_OG [0x195]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/21	15:18:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/21	15:19:00.0	XRT_CTRL_AUTO_407_OG [0x197]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/21	16:14:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/21	16:14:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/12/21	16:15:00.0	AOCS_Ore-point_Start_6_OG [0x09c]							
		AOCU_NM	5	02-76	00	39	26	00	e5
2009/12/21	16:15:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]							

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2009/12/21	16:18:54.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/21	16:18:56.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/21	16:18:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/21	16:19:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/21	16:39:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/21	16:39:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/21	16:40:00.0	AOCS_OrE-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00 30 41 00 e5	
2009/12/21	16:40:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2009/12/21	16:43:54.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/21	16:43:56.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/21	16:43:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/21	16:44:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/21	17:49:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/21	17:49:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/21	17:50:00.0	AOCS_OrE-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	00 27 74 00 e5	
2009/12/21	17:50:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2009/12/21	17:53:54.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/21	17:53:56.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/21	17:53:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/21	17:54:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/21	18:15:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/21	18:15:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/21	18:16:00.0	AOCS_OrE-point_Start_9_OG [0x09f]	AOCU_NM	5	02-76	00 1e 97 00 e5	
2009/12/21	18:16:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2009/12/21	18:19:54.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/21	18:19:56.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/21	18:19:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/21	18:20:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/21	18:39:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/21	18:39:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/21	18:40:00.0	AOCS_OrE-point_Start_10_OG [0x0a0]	AOCU_NM	5	02-76	00 15 b2 00 e5	
2009/12/21	18:40:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2009/12/21	18:43:54.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/21	18:43:56.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/21	18:43:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/21	18:44:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/21	19:29:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/21	19:29:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/21	19:30:00.0	AOCS_OrE-point_Start_11_OG [0x0a1]	AOCU_NM	5	02-76	00 0c e5 00 e5	
2009/12/21	19:30:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2009/12/21	19:33:54.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/21	19:33:56.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/21	19:33:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/21	19:34:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/21	19:54:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/21	19:54:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	

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2009/12/21	19:55:00.0	AOCS_ORe-point_Start_12_OG [0x0a2] AOCU_NM	5	02-76	00	04	00	00	e5
2009/12/21	19:55:16.0	XRT_QT_PROG_SET_427_OG [0x1ab] MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2009/12/21	19:58:54.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/21	19:58:56.0	XRT_FLD_DIS_405_OG [0x195] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/21	19:58:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/21	19:59:00.0	XRT_CTRL_AUTO_407_OG [0x197] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/21	21:04:54.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/21	21:04:56.0	XRT_FOCUS_POSITION_401_OG [0x191] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/12/21	21:05:00.0	AOCS_ORe-point_Start_13_OG [0x0a3] AOCU_NM	5	02-76	00	fd	cb	00	e5
2009/12/21	21:05:16.0	XRT_QT_PROG_SET_427_OG [0x1ab] MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2009/12/21	21:08:54.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/21	21:08:56.0	XRT_FLD_DIS_405_OG [0x195] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/21	21:08:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/21	21:09:00.0	XRT_CTRL_AUTO_407_OG [0x197] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/21	21:29:54.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/21	21:29:56.0	XRT_FOCUS_POSITION_401_OG [0x191] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/12/21	21:30:00.0	AOCS_ORe-point_Start_14_OG [0x0a4] AOCU_NM	5	02-76	00	f4	e6	00	e5
2009/12/21	21:30:16.0	XRT_QT_PROG_SET_427_OG [0x1ab] MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2009/12/21	21:33:54.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/21	21:33:56.0	XRT_FLD_DIS_405_OG [0x195] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/21	21:33:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/21	21:34:00.0	XRT_CTRL_AUTO_407_OG [0x197] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/21	21:54:54.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/21	21:54:56.0	XRT_FOCUS_POSITION_401_OG [0x191] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/12/21	21:55:00.0	AOCS_ORe-point_Start_15_OG [0x0a5] AOCU_NM	5	02-76	00	ec	19	00	e5
2009/12/21	21:55:16.0	XRT_QT_PROG_SET_427_OG [0x1ab] MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2009/12/21	21:58:54.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/21	21:58:56.0	XRT_FLD_DIS_405_OG [0x195] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/21	21:58:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/21	21:59:00.0	XRT_CTRL_AUTO_407_OG [0x197] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/21	22:44:54.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/21	22:44:56.0	XRT_FOCUS_POSITION_401_OG [0x191] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/12/21	22:45:00.0	AOCS_ORe-point_Start_16_OG [0x0a6] AOCU_NM	5	02-76	00	e3	34	00	e5
2009/12/21	22:45:16.0	XRT_QT_PROG_SET_427_OG [0x1ab] MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2009/12/21	22:48:54.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/21	22:48:56.0	XRT_FLD_DIS_405_OG [0x195] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/21	22:48:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/21	22:49:00.0	XRT_CTRL_AUTO_407_OG [0x197] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/21	23:09:54.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/21	23:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/12/21	23:10:00.0	AOCS_ORe-point_Start_17_OG [0x0a7] AOCU_NM	5	02-76	00	da	4e	00	e5
2009/12/21	23:10:16.0	XRT_QT_PROG_SET_427_OG [0x1ab] MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2009/12/21	23:13:54.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/21	23:13:56.0	XRT_FLD_DIS_405_OG [0x195] MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/21	23:13:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/21	23:14:00.0	XRT_CTRL_AUTO_407_OG [0x197] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/22	00:09:54.0	XRT_CTRL_MANU_400_OG [0x190]							

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2009/12/22	00:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/22	00:10:00.0	AOCS_OrE-point_Start_18_OG [0x0a8]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/22	00:10:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]	AOCU_NM	5	02-76	00 d1 82 00 e5	
2009/12/22	00:13:54.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b	
2009/12/22	00:13:56.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/22	00:13:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/22	00:14:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/22	00:34:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/22	00:34:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/22	00:35:00.0	AOCS_OrE-point_Start_19_OG [0x0a9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/22	00:35:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]	AOCU_NM	5	02-76	00 c8 9c 00 e5	
2009/12/22	00:38:54.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b	
2009/12/22	00:38:56.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/22	00:38:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/22	00:39:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/22	00:59:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/22	00:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/22	01:00:00.0	AOCS_OrE-point_Start_20_OG [0x0aa]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/22	01:00:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]	AOCU_NM	5	02-76	00 bf cf 00 e5	
2009/12/22	01:03:54.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b	
2009/12/22	01:03:56.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/22	01:03:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/22	01:04:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/22	01:39:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/22	01:39:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/22	01:40:00.0	AOCS_OrE-point_Start_21_OG [0x0ab]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/22	01:40:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]	AOCU_NM	5	02-76	00 b6 f2 00 e5	
2009/12/22	01:43:54.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b	
2009/12/22	01:43:56.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/22	01:43:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/22	01:44:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/22	02:04:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/22	02:04:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/22	02:05:00.0	AOCS_OrE-point_Start_22_OG [0x0ac]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/22	02:05:16.0	XRT_QT_PROG_SET_427_OG [0x1ab]	AOCU_NM	5	02-76	00 ae 25 00 e5	
2009/12/22	02:08:54.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b	
2009/12/22	02:08:56.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/22	02:08:58.0	XRT_FLRCTRL_DIS_423_OG [0x1a7]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/22	02:09:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/22	02:29:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/22	02:29:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/22	02:30:00.0	AOCS_OrE-point_Start_23_OG [0x0ad]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/22	02:30:16.0	XRT_QT_PROG_SET_422_OG [0x1a6]	AOCU_NM	5	02-76	00 ac 00 00 00	
2009/12/22	02:30:18.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06	
2009/12/22	02:30:20.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/22	02:30:22.0	XRT_FLRCTRL_DIS_443_OG [0x1bb]	MDP_XRT_FLD_DIS	1	07-F0	d9	
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	

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2009/12/22	02:45:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/22	04:09:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/22	04:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/22	04:10:00.0	AOCS_Ore-point_Start_24_OG [0x0ae]	AOCU_NM	5	02-76	00 00 00 54 00	
2009/12/22	04:10:16.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 07	
2009/12/22	04:10:18.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/22	04:10:20.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/22	04:10:22.0	XRT_FLRCTRL_DIS_443_OG [0x1bb]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/22	04:25:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/22	05:52:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/22	05:52:56.0	XRT_FOCUS_POSITION_408_OG [0x198]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2009/12/22	05:53:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2009/12/22	05:53:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/22	05:53:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/22	05:53:20.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/22	05:55:58.0	XRT_QT_PROG_SET_402_OG [0x192]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 04	
2009/12/22	05:56:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/22	06:02:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/22	06:02:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/22	06:03:00.0	AOCS_Ore-point_Start_25_OG [0x0af]	AOCU_NM	5	02-76	00 00 00 ac 00	
2009/12/22	06:03:16.0	XRT_QT_PROG_SET_441_OG [0x1b9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d	
2009/12/22	06:03:18.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/22	06:03:20.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/22	06:03:22.0	XRT_FLRCTRL_DIS_444_OG [0x1bc]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/22	06:06:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/22	06:32:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/22	06:32:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/22	06:33:00.0	AOCS_Ore-point_Start_26_OG [0x0b0]	AOCU_NM	5	02-76	00 54 00 00 00	
2009/12/22	06:33:16.0	XRT_QT_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12	
2009/12/22	06:33:18.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/22	06:33:20.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/22	06:33:22.0	XRT_FLRCTRL_DIS_444_OG [0x1bc]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/22	06:36:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/22	07:02:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/22	07:02:56.0	XRT_AEC_RESET_403_OG [0x193]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2009/12/22	07:02:58.0	XRT_FOCUS_POSITION_413_OG [0x19d]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/12/22	07:03:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 d6 36 b7 1b	
2009/12/22	07:03:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/12/22	07:03:20.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/12/22	07:03:22.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/22	07:06:00.0	XRT_QT_PROG_SET_425_OG [0x1a9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a	
2009/12/22	07:06:02.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/22	07:45:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/22	08:08:00.0	XRT_Custom_420_OG [0x1a4]					
2009/12/22	08:09:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/22	09:20:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/22	09:20:02.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	

