

XRT Timeline to be uploaded on 2009/04/07

Period: 2009/04/07 10:57:00 - 2009/04/11 09:37:00

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Normal mode

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XOB #167E: AR-dynamics -384x384 - C/poly -Thin-Be -AEC 1 -5 min - Q95										
Term	Pointing (x, y)	Comment								
04/07 11:14:00 - 04/07 11:58:00	Track (806.4, 433.0) ^{04/07 11:07:00}	# OP start + 10min, HOP 116 (officially 12 - 18 UT), joint obs with CORONAS-TESIS, target								
04/08 05:57:00 - 04/08 11:58:00	Fixed (810.0, 450.0)	# Observe bright region at W limb, and HOP 116 (officially 12 - 18 UT), joint with CORONAS								
04/09 06:13:00 - 04/09 09:00:00	Track (351.9, -178.0) ^{04/09 06:10:00}	# Track XBP at on-disk CH boundary.								
PROG= 08 Inf.-time(s)										
└─ Subr= 1 1-time(s) 2.0sec										
└─ Seqn= 38 1-time(s) 300.0sec										
	C-poly/Open	C-poly/thick-Al	close	Safe	Norm	4.00s	Obs 1x1	384x384 (1024, 1024)	Q=95	1 0 25.0sec
	thin-Be/Open	thin-Be/thick-Al	close	Safe	Norm	16.0s	Obs 1x1	384x384 (1024, 1024)	Q=95	1 0 25.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD Bin	ROI: size (center)	Comp.	AEC Buffer Interval

XOB #1679: HOP 116- AR - 384x384- Al/poly -thin-Be with C/poly context										
Term	Pointing (x, y)	Comment								
04/07 11:59:58 - 04/07 17:58:24	Track (806.4, 433.0) ^{04/07 11:07:00}	# OP start + 10min, HOP 116 (officially 12 - 18 UT), joint obs with CORONAS-TESIS, target								
04/08 11:59:58 - 04/08 17:13:30	Fixed (810.0, 450.0)	# Observe bright region at W limb, and HOP 116 (officially 12 - 18 UT), joint with CORONAS								
PROG= 14 Inf.-time(s)										
└─ Subr= 1 1-time(s) 52.5sec										
└─ Seqn= 58 1-time(s) 30.0sec										
	C-poly/Open	thin-Be/Open	close	Safe	Norm	11.3s	Obs 1x1	2048x2048 (1024, 1024)	Q=98	0 0 30.0sec
└─ Subr= 2 5-time(s) 10.0sec										
└─ Seqn= 78 9-time(s) 30.0sec										
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	8.00s	Obs 1x1	384x384 (1024, 1024)	Q=95	1 0 30.0sec
	thin-Be/Open	thin-Be/thick-Al	close	Safe	Norm	16.0s	Obs 1x1	384x384 (1024, 1024)	Q=95	1 0 30.0sec
	└─ Seqn= 64 1-time(s) 60.0sec									
	C-poly/Open	C-poly/Open	close	Safe	Norm	11.3s	Obs 2x2	2048x2048 (1024, 1024)	Q=98	0 0 30.0sec
└─ Subr= 3 1-time(s) 2.0sec										
└─ Seqn= 78 9-time(s) 30.0sec										
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	8.00s	Obs 1x1	384x384 (1024, 1024)	Q=95	1 0 30.0sec
	thin-Be/Open	thin-Be/thick-Al	close	Safe	Norm	16.0s	Obs 1x1	384x384 (1024, 1024)	Q=95	1 0 30.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD Bin	ROI: size (center)	Comp.	AEC Buffer Interval

XOB #1650: Synoptic Q95 2x2 - Al/poly(512/5795) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(723/11571) + G-band(16)-2										
Term	Pointing (x, y)	Comment								
04/07 18:01:30 - 04/07 18:07:54	Fixed (0.0, 0.0)	synoptic, shifted -1.5 min								
04/08 17:50:00 - 04/08 18:02:00	Fixed (0.0, 0.0)	synoptic, shifted -13.0 min, and multi-filter observations.								
PROG= 02 1-time(s)										
└─ Subr= 1 1-time(s) 12.0sec										
└─ Seqn= 36 1-time(s) 4.0sec										
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	5.66s	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
└─ Seqn= 7 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
└─ Seqn= 88 1-time(s) 4.0sec										
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	707ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	11.3s	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
└─ Seqn= 92 1-time(s) 2.0sec										
	Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0 0 2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD Bin	ROI: size (center)	Comp.	AEC Buffer Interval

XOB #167D: CME watch -10 min cadence - 4x4 - AEC 2 - C/poly - Thin-Be										
Term	Pointing (x, y)	Comment								
04/07 18:11:00 - 04/08 00:02:30	Track (-5.0, -895.6) ^{04/07 18:08:30}	# HOP 115, potospheric dynamics at different latitudes, this one at -75 deg.								
PROG= 13 Inf.-time(s)										
└─ Subr= 1 1-time(s) 600.0sec										
└─ Seqn= 73 1-time(s) 4.0sec										
	C-poly/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs 4x4	2048x2048 (1024, 1024)	Q=98	2 0 2.0sec
└─ Seqn= 71 1-time(s) 4.0sec										
	thin-Be/Open	med-Be/Open	close	Safe	Norm	4.00s	Obs 4x4	2048x2048 (1024, 1024)	Q=98	2 0 2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD Bin	ROI: size (center)	Comp.	AEC Buffer Interval

XOB #167C: G-Band Alignment Q90 2x2 5 minute cadence Full FOV										
Term	Pointing (x, y)	Comment								
04/08 00:23:30 - 04/08 02:08:24	Fixed (0.0, 945.0)	* Offset alignment pointing, N.								
PROG= 05 1-time(s)										
└─ Subr= 1 1-time(s) 360.0sec										
└─ Seqn= 54 21-time(s) 300.0sec										
	Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs 2x2	2048x2048 (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
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XOB #15E1: G-Band Alignment Q90 2x2 8 minute cadence Full FOV

Term	Pointing (x, y)	Comment									
04/08 02:23:30 - 04/08 05:43:54	Fixed (-945.0, 0.0)	Offset alignment pointing, E.									
PROG= 20 1-time(s)											
└─ Subr= 1 1-time(s) 360.0sec											
└─ Seqn= 54 13-time(s) 480.0sec											
Open/G-band	Open/G-band open	Safe Norm 16ms Obs 2x2 2048x2048 (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 #164F: Synoptic Q95 2x2 - Al/mesh(512/5795) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(723/11571) + G-band(16)-2

Term	Pointing (x, y)	Comment									
04/08 05:47:00 - 04/08 05:53:54	Fixed (0.0, 0.0)	synoptic, shifted -16.0 min									
04/09 06:03:00 - 04/09 06:09:54	Fixed (0.0, 0.0)	synoptic									
PROG= 19 1-time(s)											
└─ Subr= 1 1-time(s) 12.0sec											
└─ Seqn= 47 1-time(s) 4.0sec											
Open/Al-mesh	Open/Ti-poly close	Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec									
Open/Al-mesh	Open/Ti-poly close	Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec									
└─ Seqn= 7 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									
└─ Seqn= 88 1-time(s) 4.0sec											
Open/Ti-poly	Open/thick-Al close	Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec									
Open/Ti-poly	Open/thick-Al close	Safe Norm 11.3s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec									
└─ Seqn= 92 1-time(s) 2.0sec											
Open/G-band	Open/G-band open	Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec									
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

XOB #1638: Synoptic 9 Filter- 2x2 Q98 Longer exp

Term	Pointing (x, y)	Comment									
04/08 18:02:30 - 04/08 18:29:54	Fixed (0.0, 0.0)	synoptic, shifted -13.0 min, and multi-filter observations.									
PROG= 16 1-time(s)											
└─ Subr= 1 1-time(s) 180.0sec											
└─ Seqn= 81 1-time(s) 30.0sec											
Open/Al-mesh	Open/Ti-poly close	Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec									
Open/Al-mesh	Open/Ti-poly close	Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec									
└─ Seqn= 33 1-time(s) 30.0sec											
Open/Ti-poly	Open/thick-Al close	Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec									
Open/Ti-poly	Open/thick-Al close	Safe Norm 11.3s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec									
└─ Seqn=100 1-time(s) 30.0sec											
Al-poly/Open	Al-poly/Open close	Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec									
Al-poly/Open	Al-poly/thick-Al close	Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec									
└─ Seqn= 85 1-time(s) 30.0sec											
C-poly/Open	C-poly/Open close	Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec									
C-poly/Open	med-Be/Open close	Safe Norm 16.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec									
└─ Seqn= 18 1-time(s) 30.0sec											
Al-poly/Ti-poly	Al-poly/thick-Al close	Safe Norm 16.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec									
└─ Seqn= 66 1-time(s) 30.0sec											
thin-Be/Open	thin-Be/Open close	Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec									
└─ Subr= 2 1-time(s) 360.0sec											
└─ Seqn= 20 1-time(s) 4.0sec											
med-Al/Open	med-Al/Open close	Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec									
└─ Seqn= 45 1-time(s) 4.0sec											
Open/thick-Be	Open/thick-Be close	Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec									
└─ Seqn= 50 1-time(s) 4.0sec											
Open/Al-mesh	Open/Al-mesh close	Safe Dark 250ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec									
└─ Seqn= 92 1-time(s) 4.0sec											
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 #15A7: QS - C/Poly(23142) - 256x256 - AEC0 - Fast Cadence

Term	Pointing (x, y)	Comment									
04/08 18:33:00 - 04/08 21:25:00	Track (-51.0, 0.1) @ 04/08 18:30:00	# Tracking near disc-center for EIS, TR Doppler B-cancellation studies.									
PROG= 06 Inf.-time(s)											
└─ Subr= 1 1-time(s) 2.0sec											
└─ Seqn= 24 1-time(s) 2.0sec											
C-poly/Open	C-poly/thick-Al close	Safe Norm 22.6s Obs 1x1 256x256 (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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Flare mode

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NOT USED

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Active Region Search

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NOT USED

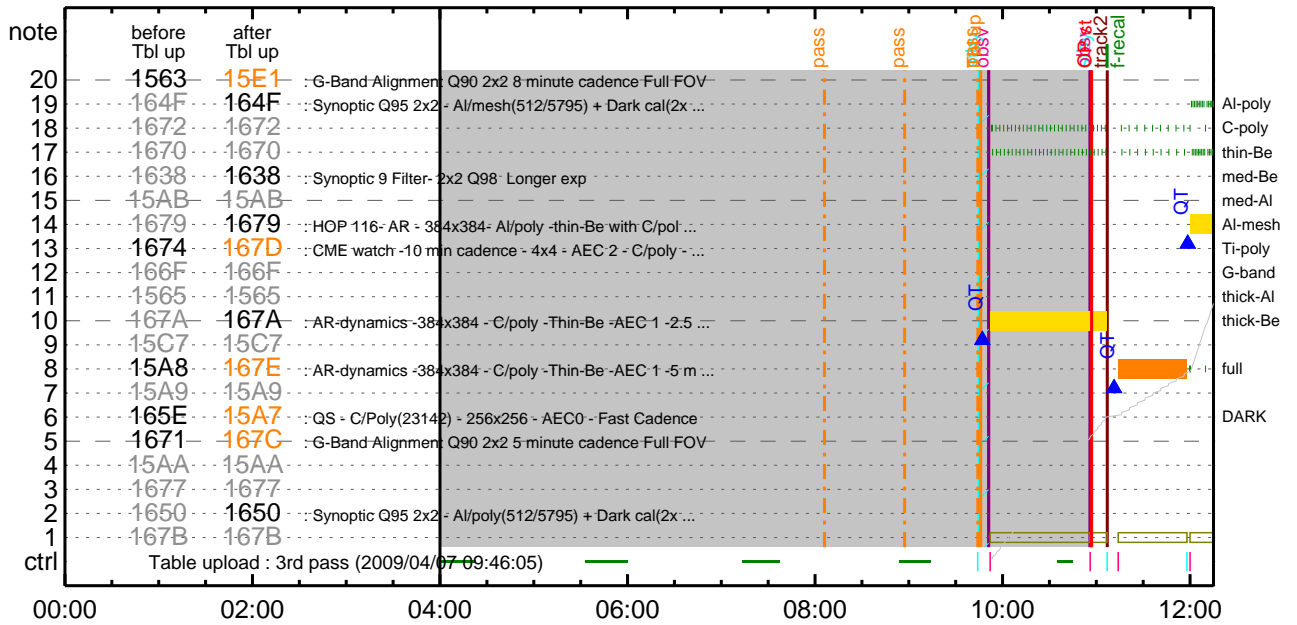
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Flare Detection

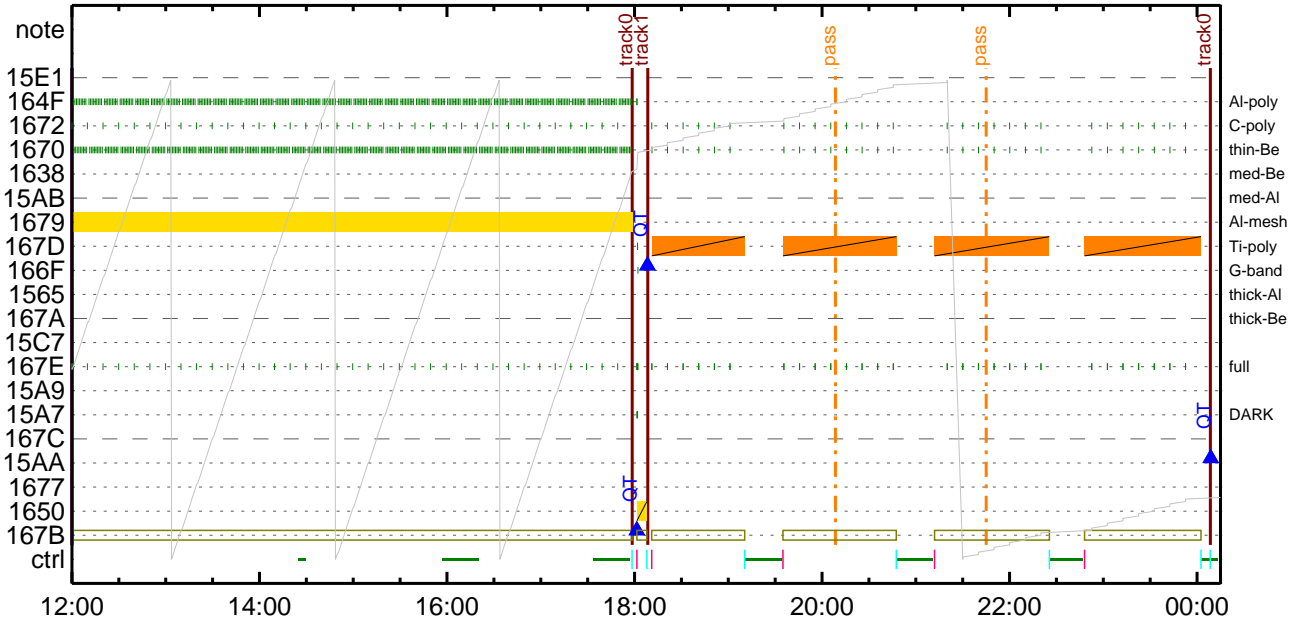
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NOT USED

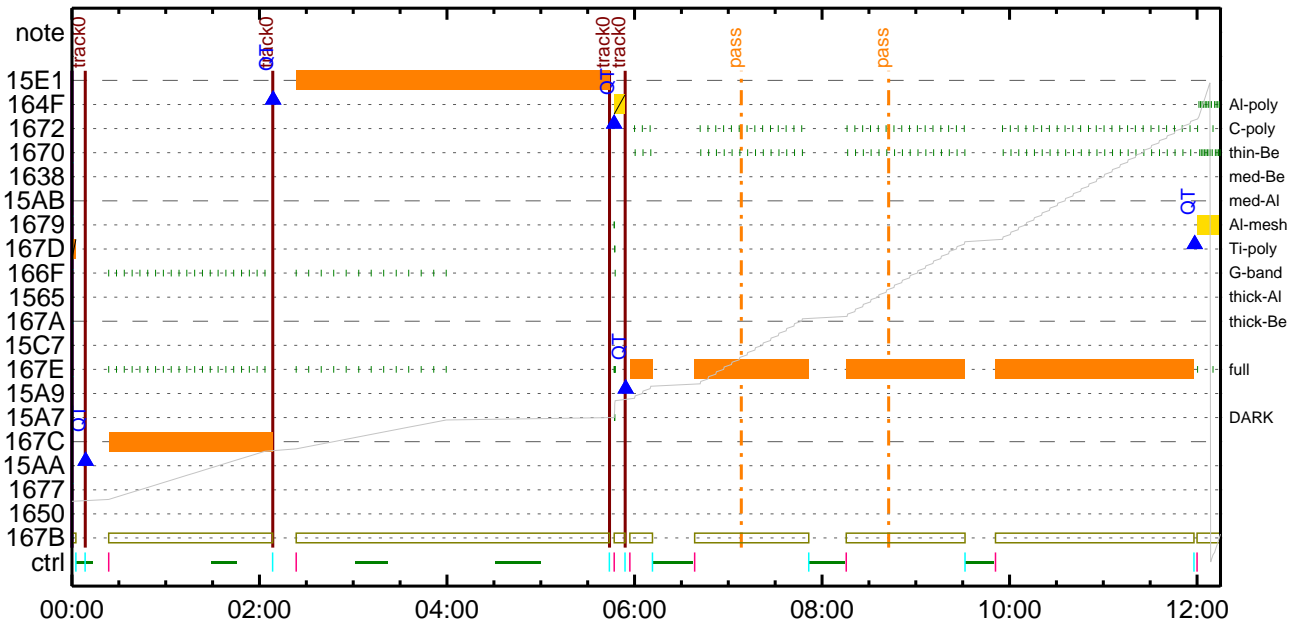
CMDI #0494 2009/04/07



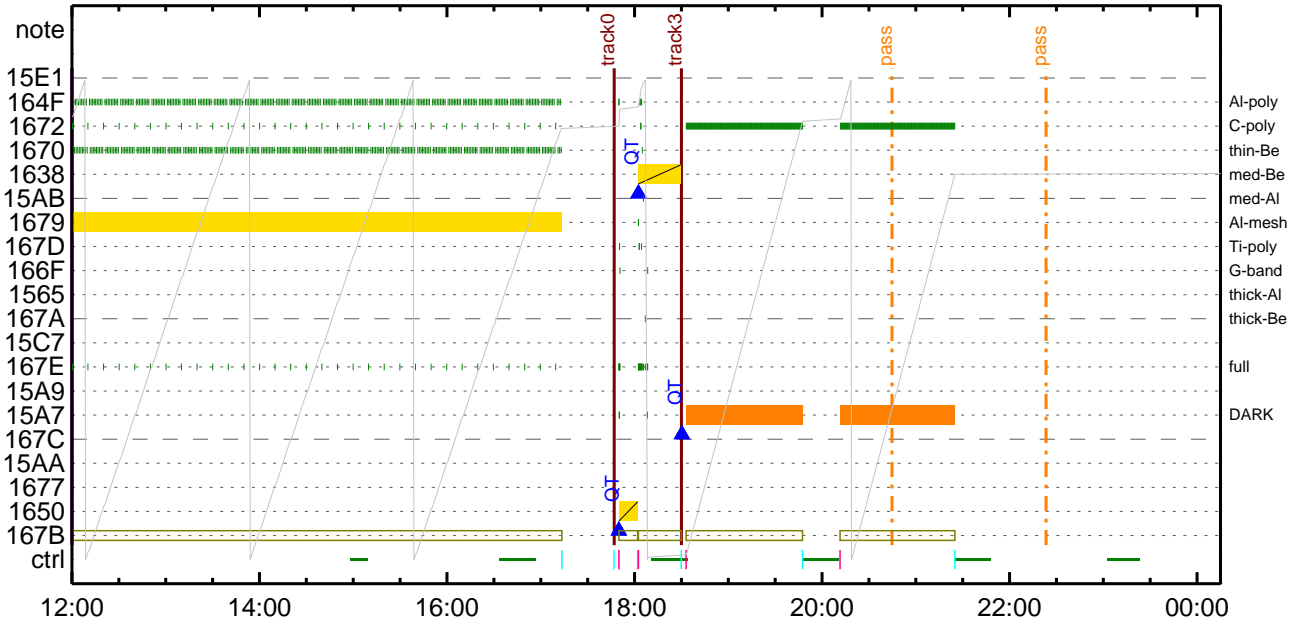
CMDI #0494 2009/04/07



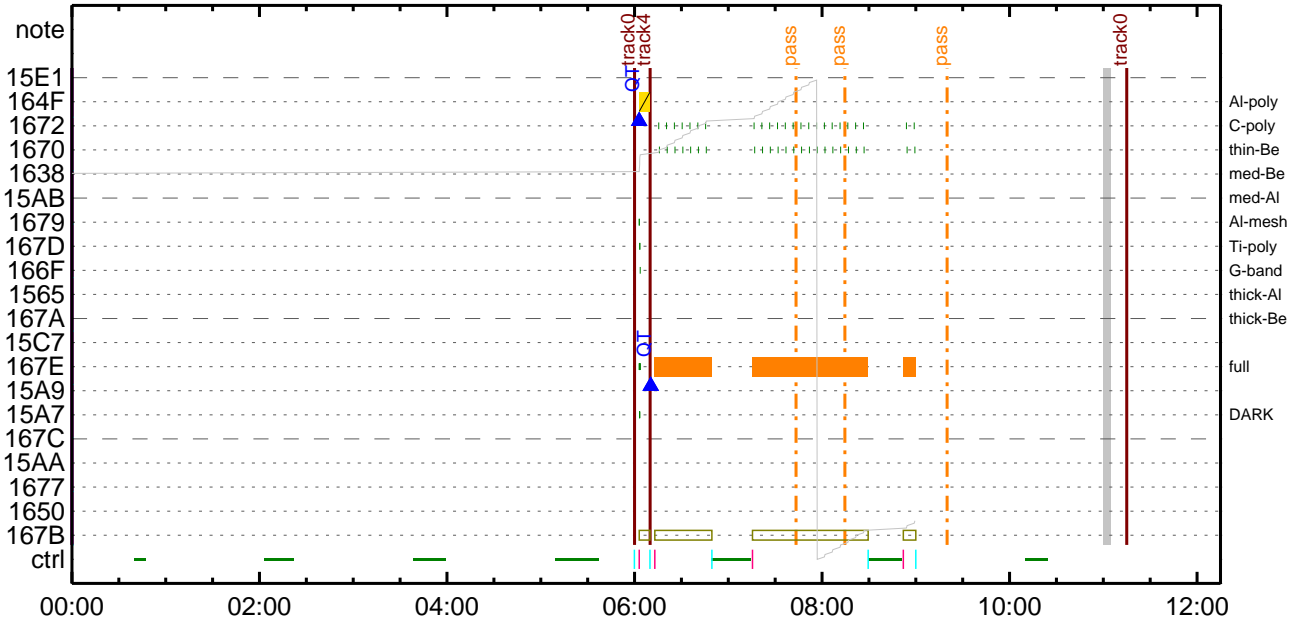
CMDI #0494 2009/04/08



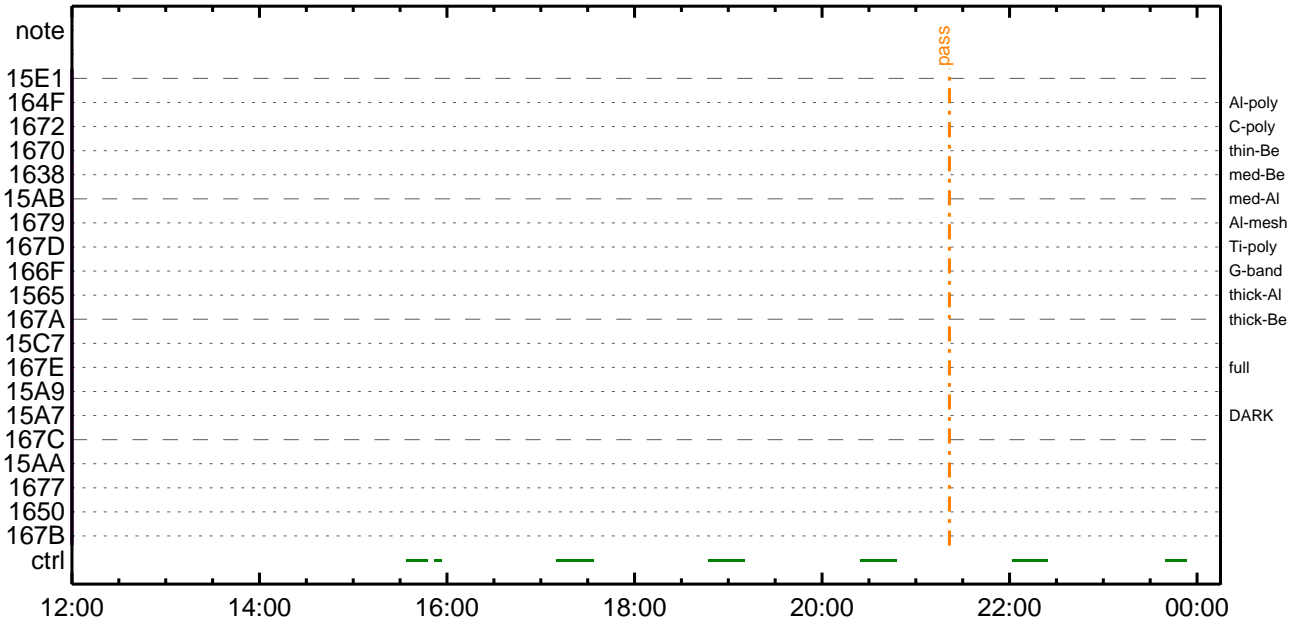
CMDI #0494 2009/04/08



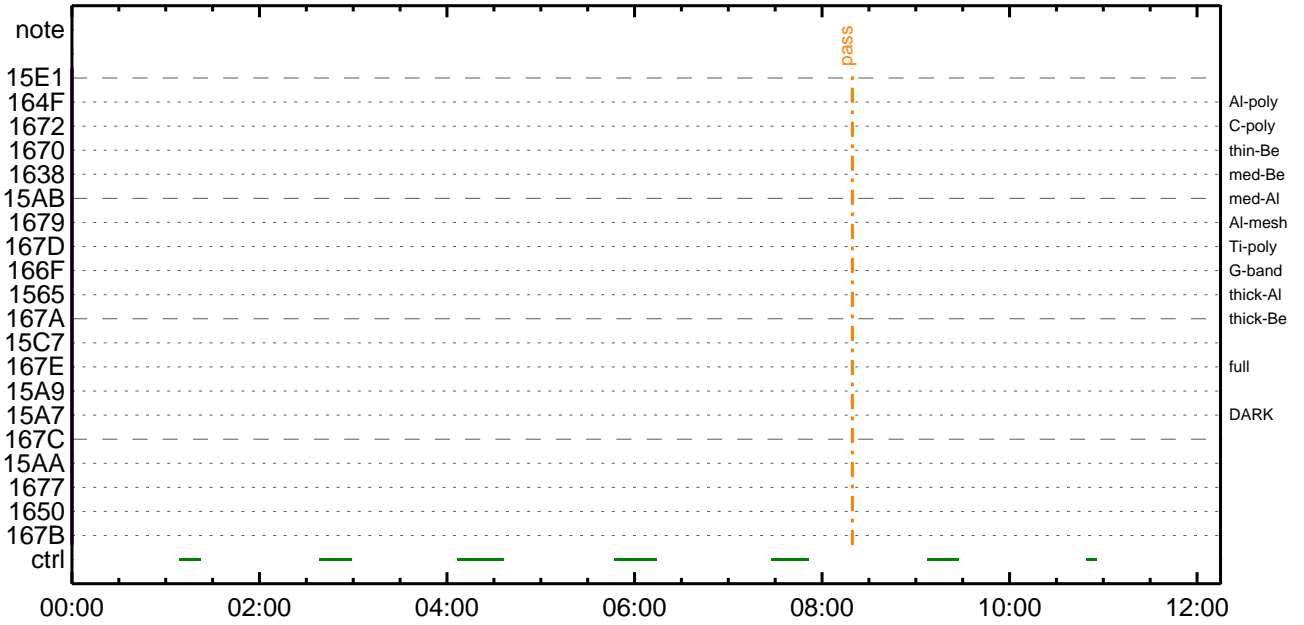
CMDI #0494 2009/04/09



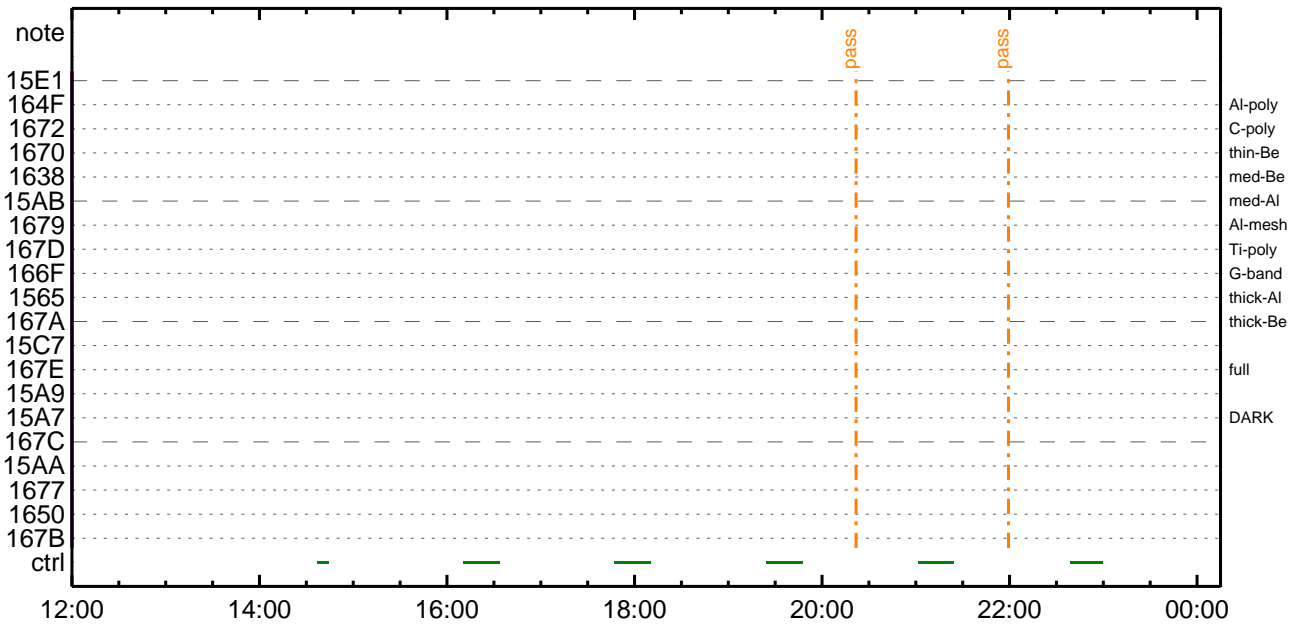
CMDI #0494 2009/04/09



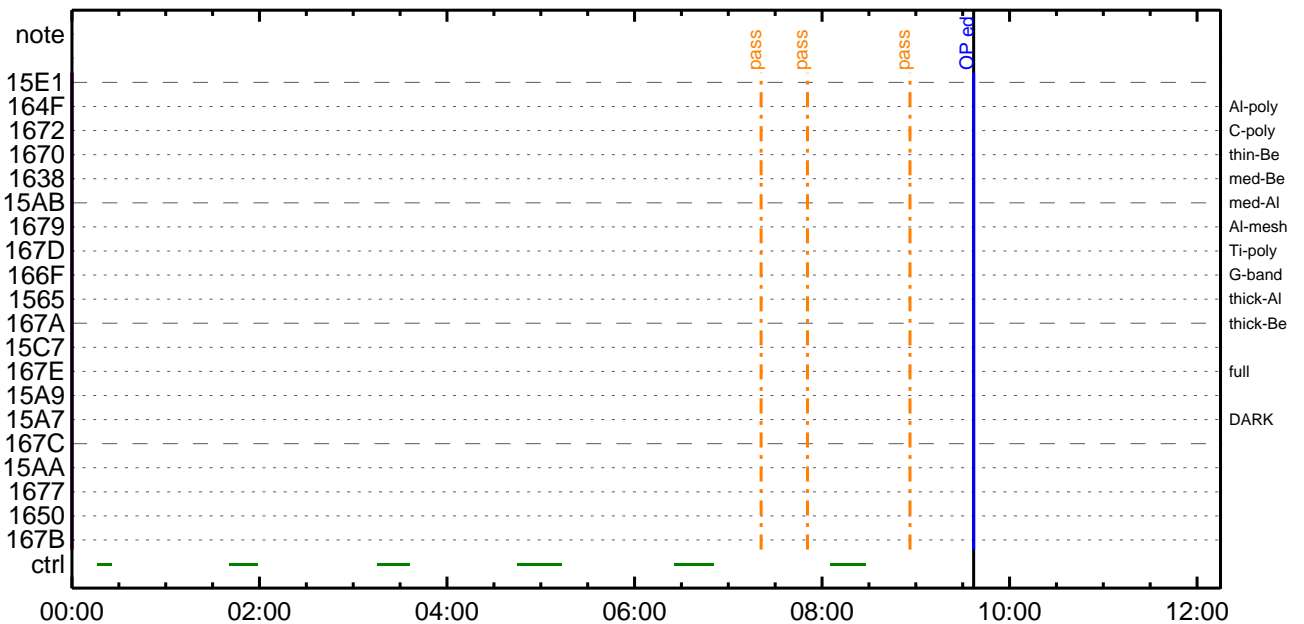
CMDI #0494 2009/04/10



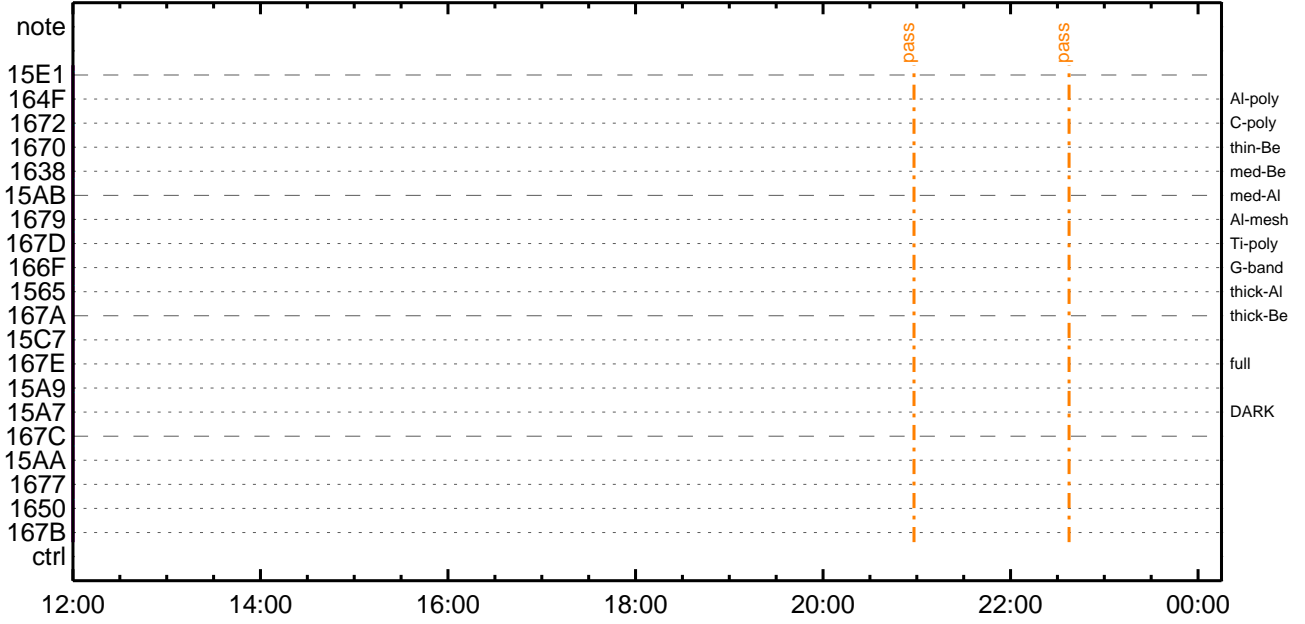
CMDI #0494 2009/04/10



CMDI #0494 2009/04/11



CMDI #0494 2009/04/11




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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOX
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-519:OP
0104 ( )
0105 S. OG og-519:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOX;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. YAYOXx½ªî»ð³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOGñî½E¹ç•è²îOKð³îÇ§
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. YAYOXx½ªî»ð³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOGñî½E¹ç•è²îOKð³îÇ§
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. YAYOXx½ªî»ð³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OPñî½E¹ç•è²îOKð³îÇ§
0165 C.
0166 C. ***** òÈ²¼òî½A´¶Á°òÈÈ¬ò°Á÷¿@ (¼âµ-YAYOXx½ê½çòðÁÔÃæç¼ª°¬ðè¼î¹çççâ) *****
0167 C. DHUYâ;4YE;È½Y½, Y;½YE;Èòðîã¹
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 UPLOAD¬-Á÷¿@NGñî½î¹ç;ç°è²¼òîTI-CMDÁ÷¿@ñî½î¹ò°¬ðÈ²¼³òÈ;ç
0180 C. ð³ò¿;çSETòEDUMPñî½±°îYNY¹ç¹òñ|³³òÈ;ç
0181 C.
0182 C. TIY³Y½YóYÈòðÁDî¿(UT)
0183 +. TI 2009-04-07 10:52:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2009-04-07 10:52:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2009-04-07 10:52:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2009-04-07 10:56:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]                      EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼αíÄè%ííñαî¥Á¥§¥Á¥~¹àîÛ
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. TÍîî°è¥Á¥Ö¥×
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. ¥Á¥Ö¥×½ªî»ò³îç§
0226 C.          çç[HK1_DMP_CHK_FLG]                      EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLαîî¼È¹ç·è²ìOKαò³îç§
0229 C.
0230 C. DHU¥â;¼¥È;È¼¥¼. ¥î;¼¥È;Èαòîáα¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]                       EQ      2
0234 C.          çç[HK1_PKT_GEN_TIME]                      EQ      0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]                   EQ      32K
0236 C.          çç[HK1_X_TLM_BIT_RATE]                   EQ      4M
0237 C.
0238 C. Stop EIS observation and temporarily disable EIS mode changes
0239 C.
0240 C.
0241 C. ***** Start EIS operation (TI set) *****
0242 C. Execute, after the success of OP upload.
0243 C. Set EIS TI-commands
0244 +. TI 2009-04-07 10:56:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC      (21 02)
0247 +. TI 2009-04-07 10:56:40.0
0248 DC 07-FC EIS_MODE_CHG_DIS
0249 BC      (22)
0250 C.          [ ] [HK1_TI_CMD_NUM]                      EQ      2 COUNTUP
0251 C. ***** End EIS operation (TI set) *****
0252 C.
0253 C.
0254 C. *****
0255 C. SOT TI command set
0256 C. *****
0257 C. Execute, after the success of OP upload.
0258 +. TI 2009-04-07 10:56:16.0
0259 DC 07-F0 MDP_SOT_MODE_STBY
0260 BC      (41)
0261 C. -----
0262 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0263 C. -----
0264 C. ***** SOT END *****
0265 C.
0266 C. ***** XRT START *****
0267 C. Execute, after the success of OP upload.
0268 +. TI 2009-04-07 10:56:00.0
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»ö¼ÝαÈÄα¹αèDCBC·x²è *****
0276 C. (%ã°î¥Ö¥Á¥È¥½¥È¥Á¥ç¥èè%¼αα¼Á»Ûα¹αè)
0277 S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ¥Ð¥¹·î Daily±çîñèË'Øα¹αèDCBC·x²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOS¥Á¥§¥Á¥~¼Á»Û;ã
0287 C.
0288 C. ***** LOS *****
0289 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-520 2009-04-07 11:45:42 91 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YFYOYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿ðÁB•µ°È»Í×ÁÇóÍYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈBÈ¼°ÇÓB•B¿¼i¹çBÍ;çÁ®, ùB¹BèBðBçÁ+¿®B•BÈBðB³BÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0015 +. DC 07-FC EIS_MODE_MANU
0016 BC (21 02)
0017 . C. Verify EIS in MANUAL mode
0018 . C. Estimated OBSTBL upload time is 35s
0019 C. *****
0020 C. EIS START OBSTBL LOAD
0021 C. *****
0022 . S. RAM ram-820:EIS_OBSTBL
0023 ( )
0024 +. DC 07-FC EIS_DUMP_OBSTBL
0025 BC (07 07 07 00 00 70 00)
0026 C.
0027 C. Execute, after the success of OBSTBL upload.
0028 C. Set EIS TI-commands
0029 +. TI 2009-04-07 10:56:50.0
0030 DC 07-FC EIS_MODE_CHG_ENA
0031 BC (20)
0032 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0033 C. *****
0034 C. EIS END OBSTBL LOAD
0035 C. *****
0036 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0037 C. Upload the Orbit Element and the Target Attitude
0038 C. RAM-ID:TARGET_ATT
0039 . S. RAM ram-150:TARGET_ATT
0040 ( )
0041 C.
0042 C.
0043 C. Set the dump memory area of TARGET_ATT
0044 +. DC 02-48 AOCU_DUMP_SET
0045 BC (07 00 00 00 18 00)
0046 C.
0047 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0048 C.
0049 C.
0050 C. Change the TLMFormatNo for the AOCs Dump Format
0051 +. DC 01-22 DHU_MODE_CHNG
0052 BC (04 0b f8)
0053 C.
0054 C. Wait for AOCSDUMP to end
0055 C.
0056 . C. Check the dump memory
0057 C.
0058 C. Result = OK [ ]
0059 C.
0060 +. DC 01-22 DHU_MODE_CHNG
0061 BC (02 0a f8)
0062 C.
0063 C. <A_***>[TLM STS] FMT = 2 [ ]
0064 C.
0065 +. DC 02-8E AOCU_ORB_UPD
0066 C.
0067 . C. ***** AOCs Commands (Orbital Element Update) *****
0068 C. Update the orbital element
0069 +. DC 02-50 AOCU_ORB_PRPGT_START
0070 BC (16)
0071 +. DC 02-8E AOCU_ORB_UPD
0072 C.
0073 C. <A_ORB>[ORBIT] EPC = 4222152.8 +- 1.0 (s) [ ]
0074 C.
0075 C.
0076 C.
0077 . C. ***** MDP `ûÃÎñÎ»ò¼YðÉÁð¹BèDCBC•x²è *****
0078 C. (¼á°íYÓYÁYÈYBpYÈYáYçYèB¼B¼¼¼»Û¹Bè)
0079 . S. DC-BC dcbc-402:DCBC
0080 (MDP_known_event)
0081 C.
0082 C.
0083 . C. ***** YDY¹•İ Daily±;İñBÈ`ØB¹BèDCBC•x²è *****
0084 . S. DC-BC dcbc-153:DCBC
0085 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0086 C.
0087 C.
0088 . C. ;ãLOSÁY$YÁY-¼Á»Û;ã
0089 C.
0090 . C. ***** LOS *****
0091 C.
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0096 C.
0097 C.
0098 C.
0099 C. ***** XRT START *****
0100 C.
0101 +. DC 07-F0 MDP_XRT_CTRL_MANU
0102 BC (c1)
0103 + DC 07-F0 MDP_XRT_MODE_STBY
0104 BC (c3)
0105 . C. ----- Success Verify ? OK / NG____
0106 C.
0107 C. XRT Obs. Table Upload
0108 . S. RAM ram-291:MDP_OBS_X
0109 ( )
0110 C.
0111 +. DC 07-F0 MDP_DUMP_XRTTBL
0112 BC (84 07 00 00 00 3a d4)
0113 . C. ----- Comparison Check ? OK / ERR ____
0114 C.
0115 C.
0116 +. DC 07-F0 MDP_XRT_ROI_SET
0117 BC (cd 01 b1 b1 04 04)
0118 + DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 02 b1 b1 08 08)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 03 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 04 b1 b1 06 06)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 06 80 80 06 06)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 07 80 80 20 20)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 08 80 80 04 04)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 0f 80 80 04 04)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 10 80 80 10 10)
0134 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0135 BC (c4 0a)
0136 + DC 07-F0 MDP_XRT_ARS_DIS
0137 BC (d5)
0138 + DC 07-F0 MDP_XRT_FLD_DIS
0139 BC (d9)
0140 + DC 07-F0 MDP_XRT_FLD_DIS
0141 BC (d9)
0142 . C. ----- Success Verify ? OK / NG ____
0143 C.
0144 C.
0145 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0146 C.
0147 +. DC 07-F0 MDP_XRT_MODE_OBSV
0148 BC (c2)
0149 + DC 07-F0 MDP_XRT_CTRL_AUTO
0150 BC (c0)
0151 +. TI 2009-04-07 10:56:02.0
0152 DC 07-F0 MDP_XRT_MODE_OBSV
0153 BC (c2)
0154 +. TI 2009-04-07 10:56:04.0
0155 DC 07-F0 MDP_XRT_CTRL_AUTO
0156 BC (c0)
0157 . C. ----- Success Verify ? OK / NG ____
0158 C.
0159 C. ***** XRT END *****
0160 . C. *****
0161 C. SOT table upload
0162 C. *****
0163 . C. < Stop FG table >
0164 +. DC 07-F0 MDP_FG_CTRL_MANU
0165 BC (51)
0166 . C. -----
0167 C. MDP_FG_CTRL_MODE = MANU [ ]
0168 C. -----
0169 C.
0170 . C. <Upload FG Observation Table>
0171 . S. RAM ram-261:MDP_OBS_F
0172 ( )
0173 C.
0174 . C. < Dump RAMID=MDP_OBS_F >
0175 +. DC 07-F0 MDP_DUMP_FGTBL
0176 BC (82 07 00 00 00 38 b8)
0177 C. -----
0178 C. MDP_OBS_F verify = OK/NG [ ]
0179 C. -----
0180 C.
0181 . C. < Stop SP table >
0182 +. DC 07-F0 MDP_SP_CTRL_MANU
0183 BC (61)
0184 C. -----
0185 C. MDP_SP_CTRL_MODE = MANU [ ]
0186 C. -----
0187 C.
0188 . C. <Upload SP Observation Table>
0189 . S. RAM ram-288:MDP_OBS_S
0190 ( )
0191 C.
0192 . C. < Dump RAMID=MDP_OBS_S >
0193 +. DC 07-F0 MDP_DUMP_SPTBL

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0194 BC      (83 07 00 00 00 38 b8)
0195 C. -----
0196 C. MDP_OBS_S verify = OK/NG      [ ]
0197 C. -----
0198 C.
0199 . C. < Upload DPL table >
0200 C.
0201 C. ¥¢¥Ã¥×¥¡;¼¥ÉªîÃ°ªËSTS_CHKªðOFFªÈª¹ªë
0202 C.
0203 . S. RAM   ram-271:MDP_DPL
0204 ( )
0205 C.
0206 . C. < Dump RAMID=MDP_DPL >
0207 +. DC 07-F0 MDP_DUMP_FGTBL
0208 BC      (82 07 00 38 b8 00 40)
0209 C. -----
0210 C. MDP_DPL verify          = OK      [ ]
0211 C. -----
0212 C.
0213 C. STS_CHKªðONªÈª¹ªë
0214 C.
0215 . C. < Update MDP DSC PAR1 >
0216 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0217 BC      (4c)
0218 C. MDP_CMD_CODE           = F04C0700[ ]
0219 C. MDP_CMD_CNT           (count-up 1) [ ]
0220 C. -----
0221 C.
0222 . C.
0223 C. *****
0224 C. SOT TI command set
0225 C. *****
0226 C. Execute, after the success of TBL upload.
0227 +. TI 2009-04-07 10:56:18.0
0228 DC 07-F0 MDP_SOT_MODE_OBSV
0229 BC      (40)
0230 C. -----
0231 C. HK1_TI_CMD_NUM         = 1 CNTUP [ ]
0232 C. -----
0233 C.
0234 C.
0235 . C. ***** MDP ´ûÃîªî»ò¼¥ªÈªÐª¹ªëDCBC•×²è *****
0236 C. (%ã°î¥Ö¥Ã¥È¥ª¥È¥ã¥¢¥ëªÈ¼ªª¼Ã»Ûª¹ªë)
0237 . S. DC-BC dcbc-402:DCBC
0238 (MDP_known_event)
0239 C.
0240 C.
0241 . C. ***** ¥Ð¥¹•î Daily±¿îÑªÈ´Øª¹ªëDCBC•×²è *****
0242 . S. DC-BC dcbc-153:DCBC
0243 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0244 C.
0245 C.
0246 . C. ;ãLOS¥Ã¥§¥Ã¥¹¼Ã»Û;ã
0247 C.
0248 . C. ***** LOS *****
0249 C.

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*** OP Sequence for XRT ***

2009/04/07	11:06:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/07	11:06:56.0	XRT_FOCUS_RECALIBRATE_446_OG [0x1be]							
		XRT_FOCUS_RECAL	2	07-F8	78	00			
2009/04/07	11:07:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02	00	00	00	00
2009/04/07	11:10:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/04/07	11:11:16.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/07	11:11:18.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/07	11:11:20.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/07	11:11:22.0	XRT_QT_PROG_SET_412_OG [0x19c]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	08			
2009/04/07	11:14:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/07	11:58:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/07	11:58:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/04/07	11:58:22.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/07	11:58:24.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/07	11:58:26.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/07	11:58:28.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0e			
2009/04/07	11:59:58.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/07	17:58:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/07	17:58:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/04/07	17:58:30.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00
2009/04/07	17:58:46.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/07	17:58:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/07	17:58:50.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/07	18:01:28.0	XRT_QT_PROG_SET_414_OG [0x19e]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	02			
2009/04/07	18:01:30.0	XRT_CTRL_AUTO_440_OG [0x1b8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/07	18:07:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/07	18:07:56.0	XRT_FOCUS_POSITION_436_OG [0x1b4]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/04/07	18:08:16.0	XRT_QT_PROG_SET_405_OG [0x195]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0d			
2009/04/07	18:08:30.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	01	00	00	00	00
2009/04/07	18:10:54.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/07	18:10:56.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/07	18:10:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/07	18:11:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/07	19:10:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/07	19:34:00.5	XRT_Custom_430_OG [0x1ae]							
2009/04/07	19:35:00.5	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/07	20:47:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/07	21:11:00.0	XRT_Custom_430_OG [0x1ae]							
2009/04/07	21:12:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/07	22:25:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/07	22:47:00.5	XRT_Custom_430_OG [0x1ae]							
2009/04/07	22:48:00.5	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/08	00:02:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/08	00:08:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/08	00:08:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/04/08	00:08:30.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00	ac	00	00	00
2009/04/08	00:08:46.0	XRT_QT_PROG_SET_402_OG [0x192]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	05			
2009/04/08	00:08:48.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				

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2009/04/08	00:08:50.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/04/08	00:08:52.0	XRT_FLRCTRL_DIS_429_OG [0x1ad]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/04/08	00:23:30.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/08	02:08:24.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/08	02:08:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/04/08	02:08:30.0	AOCS_ORe-point_Start_5_OG [0x09b]					
		AOCU_NM	5	02-76	00 00 00 54 00		
2009/04/08	02:08:46.0	XRT_QT_PROG_SET_420_OG [0x1a4]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 14		
2009/04/08	02:08:48.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/04/08	02:08:50.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/04/08	02:08:52.0	XRT_FLRCTRL_DIS_429_OG [0x1ad]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/04/08	02:23:30.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/08	05:43:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/08	05:43:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2009/04/08	05:44:00.0	AOCS_ORe-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2009/04/08	05:44:16.0	XRT_FLD_DIS_419_OG [0x1a3]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/04/08	05:44:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/04/08	05:44:20.0	XRT_ARS_DIS_410_OG [0x19a]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/04/08	05:46:58.0	XRT_QT_PROG_SET_401_OG [0x191]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 13		
2009/04/08	05:47:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/08	05:53:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/08	05:53:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/04/08	05:54:00.0	AOCS_ORe-point_Start_6_OG [0x09c]					
		AOCU_NM	5	02-76	00 d8 00 b8 00		
2009/04/08	05:54:16.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/04/08	05:54:18.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/04/08	05:54:20.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/04/08	05:54:22.0	XRT_QT_PROG_SET_412_OG [0x19c]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08		
2009/04/08	05:57:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/08	06:11:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/08	06:37:30.0	XRT_Custom_430_OG [0x1ae]					
2009/04/08	06:38:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/08	07:51:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/08	08:14:30.0	XRT_Custom_430_OG [0x1ae]					
2009/04/08	08:15:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/08	09:31:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/08	09:50:00.0	XRT_Custom_430_OG [0x1ae]					
2009/04/08	09:51:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/08	11:58:00.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/08	11:58:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/04/08	11:58:22.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/04/08	11:58:24.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/04/08	11:58:26.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/04/08	11:58:28.0	XRT_QT_PROG_SET_426_OG [0x1aa]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e		
2009/04/08	11:59:58.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/08	17:13:30.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/08	17:46:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/08	17:46:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2009/04/08	17:47:00.0	AOCS_ORe-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2009/04/08	17:47:16.0	XRT_FLD_DIS_419_OG [0x1a3]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		

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2009/04/08	17:47:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/04/08	17:47:20.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/04/08	17:49:58.0	XRT_QT_PROG_SET_414_OG [0x19e]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	02	
2009/04/08	17:50:00.0	XRT_CTRL_AUTO_440_OG [0x1b8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/08	18:02:00.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/08	18:02:02.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00	
2009/04/08	18:02:22.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/04/08	18:02:24.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/04/08	18:02:26.0	XRT_ARS_DIS_437_OG [0x1b5]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/04/08	18:02:28.0	XRT_QT_PROG_SET_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	10	
2009/04/08	18:02:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/08	18:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/08	18:29:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00	
2009/04/08	18:30:00.0	AOCS_Ore-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	03	00 00 00 00	
2009/04/08	18:30:16.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/04/08	18:30:18.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/04/08	18:30:20.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/04/08	18:30:22.0	XRT_QT_PROG_SET_431_OG [0x1af]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06	
2009/04/08	18:33:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/08	19:47:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/08	20:10:30.0	XRT_Custom_430_OG [0x1ae]						
2009/04/08	20:11:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/08	21:25:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/09	05:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/09	05:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00	
2009/04/09	06:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00 00 00 00	
2009/04/09	06:00:16.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/04/09	06:00:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/04/09	06:00:20.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/04/09	06:02:58.0	XRT_QT_PROG_SET_401_OG [0x191]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13	
2009/04/09	06:03:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/09	06:09:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/09	06:09:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00	
2009/04/09	06:10:00.0	AOCS_Ore-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	04	00 00 00 00	
2009/04/09	06:10:16.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/04/09	06:10:18.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/04/09	06:10:20.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/04/09	06:10:22.0	XRT_QT_PROG_SET_412_OG [0x19c]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	08	
2009/04/09	06:13:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/09	06:49:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/09	07:14:30.0	XRT_Custom_430_OG [0x1ae]						
2009/04/09	07:15:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/09	08:29:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/09	08:51:00.0	XRT_Custom_430_OG [0x1ae]						
2009/04/09	08:52:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/09	09:00:00.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/09	11:15:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00 00 00 00	