

XRT Timeline to be uploaded on 2009/04/28

Period: 2009/04/28 10:21:00 - 2009/05/02 10:40:00

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Normal mode

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XOB #15B9: twilight monitor												
Term		Pointing (x, y)					Comment					
04/28 12:11:00 - 04/28 12:51:00		Fixed (0.0, 0.0)					# OP start + 10min: DC					
PROG= 09 Inf.-time(s)												
└ Subr= 1 1-time(s) 30.0sec												
└ Seqn= 60 1-time(s) 2.0sec												
Open/Al-mesh		Open/Al-mesh		close	Safe	Norm	16.0s	Obs	1x1	256x256 (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 #1692: HOP112 Al/poly (16se) 384x384 Q95 AEC4 shifted (0,35) +G-band 40sec												
Term		Pointing (x, y)					Comment					
04/28 14:19:30 - 04/28 17:56:24		Fixed (0.0, 945.0)					HOP 112 - Spicule Seismology : target(0, 945)					
04/29 00:11:00 - 04/29 04:18:24		Fixed (0.0, 945.0)					HOP 112 (0-4UT) - Spicule : target (0, 945)					
PROG= 11 Inf.-time(s)												
└ Subr= 1 1-time(s) 2.0sec												
└ Seqn= 83 1-time(s) 4.0sec												
Open/G-band		Open/G-band		open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)		Q=90 0 0 2.0sec
└ Subr= 2 90-time(s) 2.0sec												
└ Seqn= 84 1-time(s) 4.0sec												
Al-poly/Open		Al-poly/Open		close	Safe	Norm	16.0s	Obs	1x1	384x384 (1024, 1056)		Q=95 0 0 40.0sec
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					
04/28 17:59:30 - 04/28 18:06:24		Fixed (0.0, 0.0)					synoptic, shifted -3.5 min					
04/29 17:46:30 - 04/29 18:28:24		Fixed (0.0, 0.0)					synoptic, shifted -16.5 min					
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 #1638: Synoptic 9 Filter- 2x2 Q98 Longer exp												
Term		Pointing (x, y)					Comment					
04/28 18:13:30 - 04/28 23:50:00		Fixed (0.0, 0.0)					HOP 109 (20-24UT) : DC					
PROG= 03 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 #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
04/29 04:21:30 - 04/29 04:28:30	Fixed (0.0, 0.0)	synoptic, shifted -18.5 min
04/30 06:03:00 - 04/30 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 #1691: Coronal cavity (6 pairs +Gband)-DPCM 2x2-768X768-FOV offset for SW(1120,1048)-longer exposures

Term	Pointing (x, y)	Comment
04/29 05:06:00 - 04/29 08:59:55	Fixed (-700.0, -625.0)	HOP 111 - filament (05-09UT)

PROG= 18 Inf.-time(s)

Subr= 1	12-time(s)	300.0sec										
Seqn= 94	1-time(s)	4.0sec										
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	2x2	768x768 (1120, 1048)	DPCM	0	0	2.0sec
Seqn= 56	1-time(s)	4.0sec										
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	11.3s	Obs	2x2	768x768 (1120, 1048)	DPCM	0	0	2.0sec
Seqn= 9	1-time(s)	4.0sec										
C-poly/Open	med-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	768x768 (1120, 1048)	DPCM	0	0	2.0sec
Seqn= 34	1-time(s)	2.0sec										
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	16.0s	Obs	2x2	768x768 (1120, 1048)	DPCM	0	0	2.0sec
Seqn= 43	1-time(s)	4.0sec										
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	22.6s	Obs	2x2	768x768 (1120, 1048)	DPCM	0	0	2.0sec
Seqn= 4	1-time(s)	2.0sec										
thin-Be/Open	med-Be/Open	close	Safe	Norm	64.0s	Obs	2x2	768x768 (1120, 1048)	DPCM	0	0	2.0sec
Subr= 2	1-time(s)	2.0sec										
Seqn= 53	1-time(s)	4.0sec										
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 #167C: G-Band Alignment Q90 2x2 5 minute cadence Full FOV

Term	Pointing (x, y)	Comment
04/29 09:45:00 - 04/29 11:29:54	Fixed (0.0, 945.0)	Co-Alignment - N-pole
04/29 11:45:00 - 04/29 13:29:54	Fixed (-945.0, 0.0)	Co-Alignment - E-limb

PROG= 17 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	

XOB #1688: Al/poly (AEC4) + Thin-Be (AEC4) - 1-min cadence - FOV384 - Q95

Term	Pointing (x, y)	Comment
04/29 13:33:00 - 04/29 17:43:24	Track (-70.1, 524.5) @ 04/29 13:30:00	bright region
04/29 18:31:30 - 04/30 05:59:54	Track (-36.2, 524.3) @ 04/29 17:53:30	bright region
04/30 06:13:00 - 04/30 07:59:54	Track (59.0, 523.5) @ 04/30 06:10:00	bright region

PROG= 16 Inf.-time(s)

Subr= 1	1-time(s)	60.0sec										
Seqn= 37	1-time(s)	2.0sec										
Al-poly/Open	C-poly/Open	close	Safe	Norm	8.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	4	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	32.0s	Obs	1x1	384x384 (1024, 1024)	Q=95	4	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1620: QS dynamics - Al/poly 384x384 - Q95 - 25s - AEC4

Term	Pointing (x, y)	Comment
04/30 08:03:00 - 04/30 10:07:30	Track (218.9, 405.3) @ 04/30 08:00:00	HOP 71 - VTT

PROG= 05 Inf.-time(s)

Subr= 1	1-time(s)	25.0sec										
Seqn= 68	1-time(s)	2.0sec										
Al-poly/Open	Al-poly/Open	close	Safe	Norm	11.3s	Obs	1x1	384x384 (1024, 1024)	Q=95	4	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

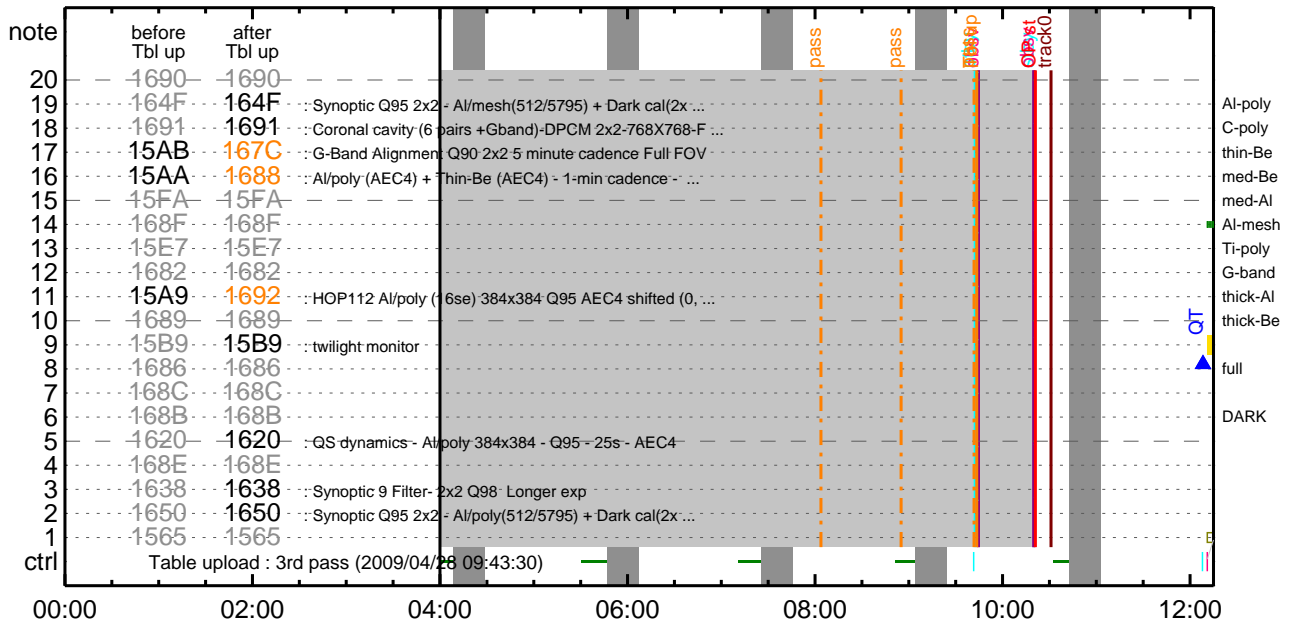
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Flare Detection

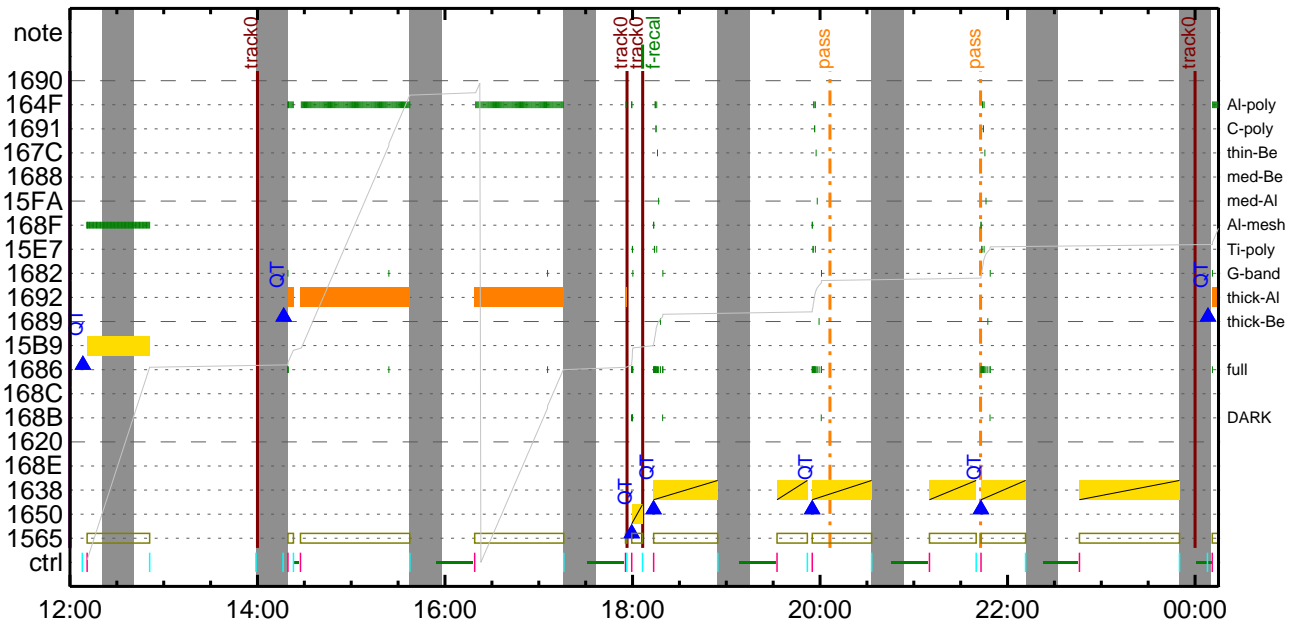
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NOT USED

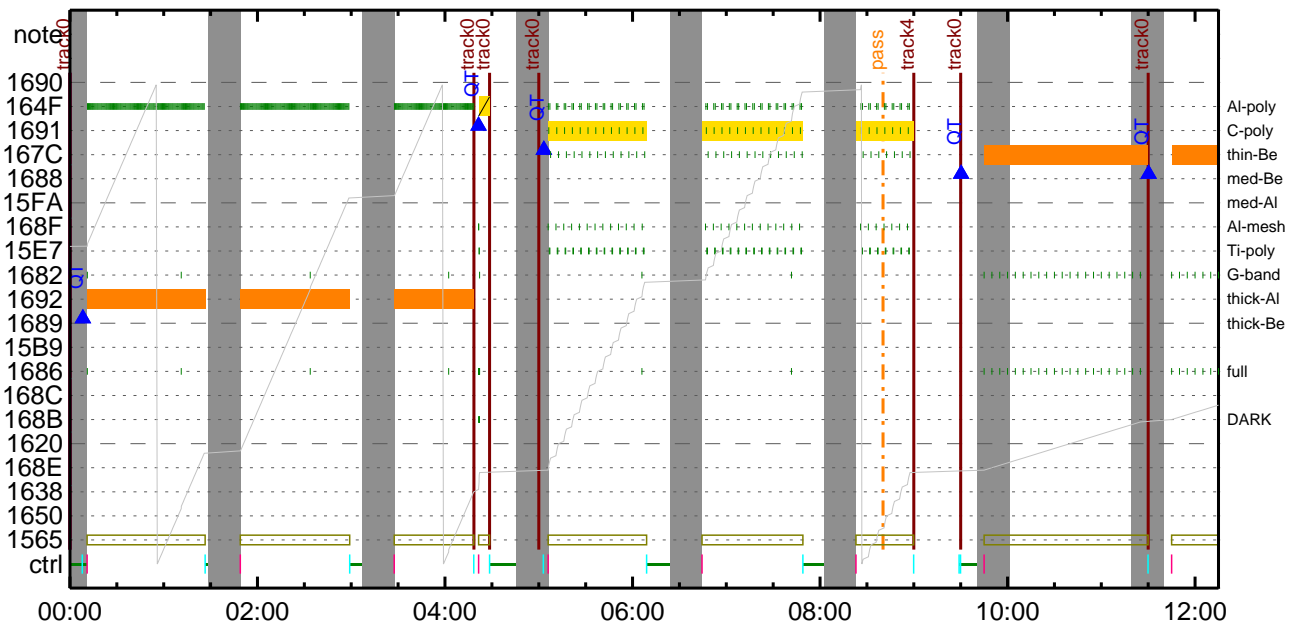
CMDI #0529 2009/04/28



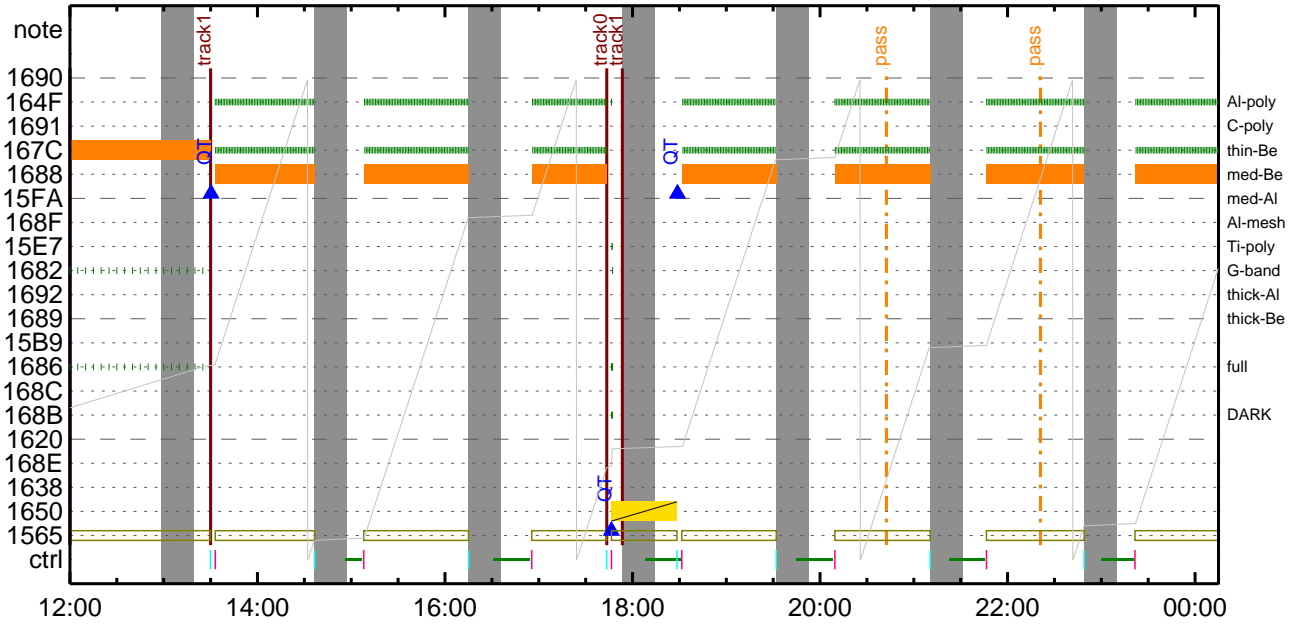
CMDI #0529 2009/04/28



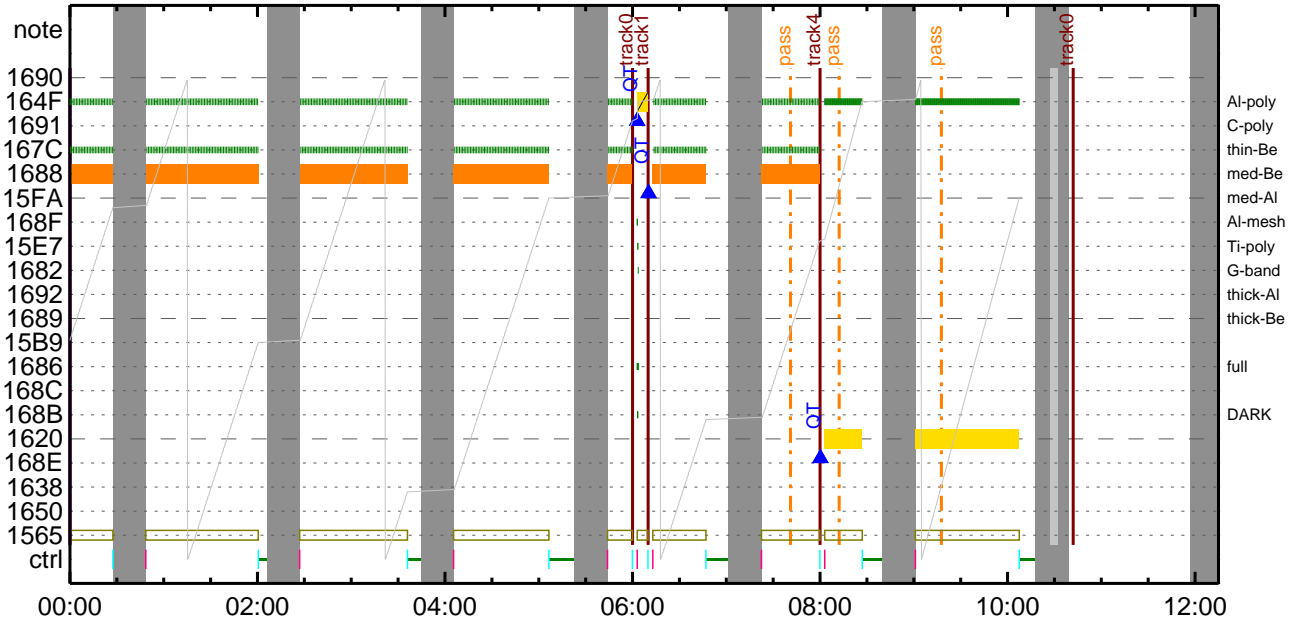
CMDI #0529 2009/04/29



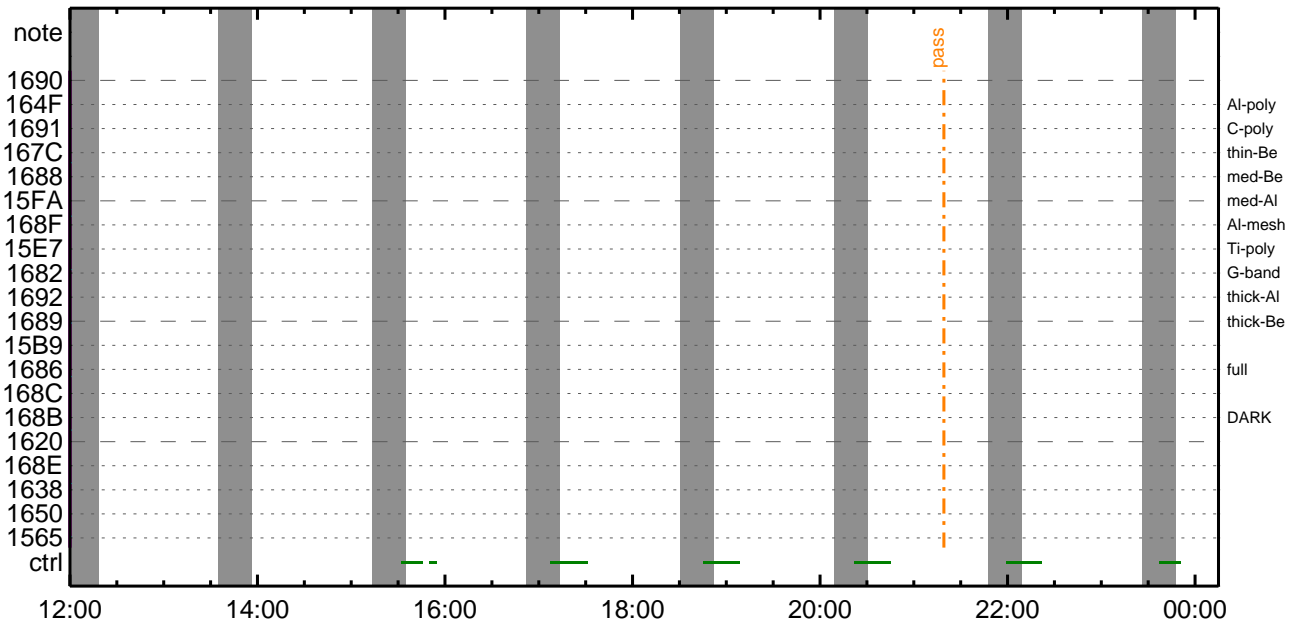
CMDI #0529 2009/04/29



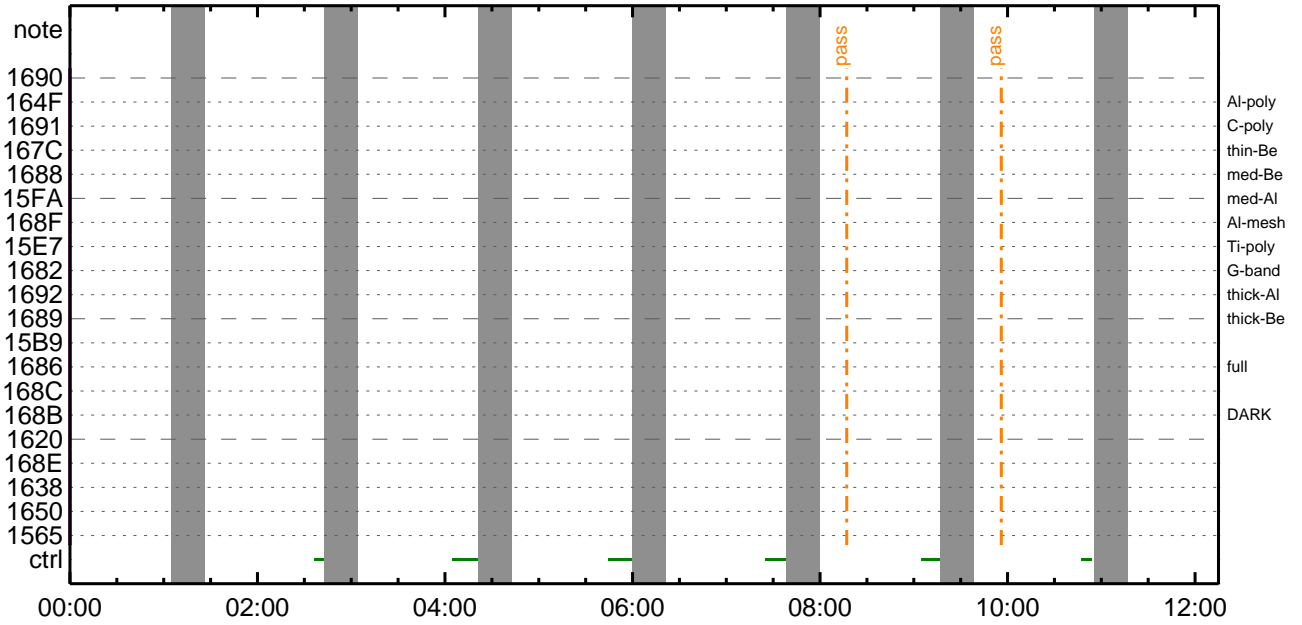
CMDI #0529 2009/04/30



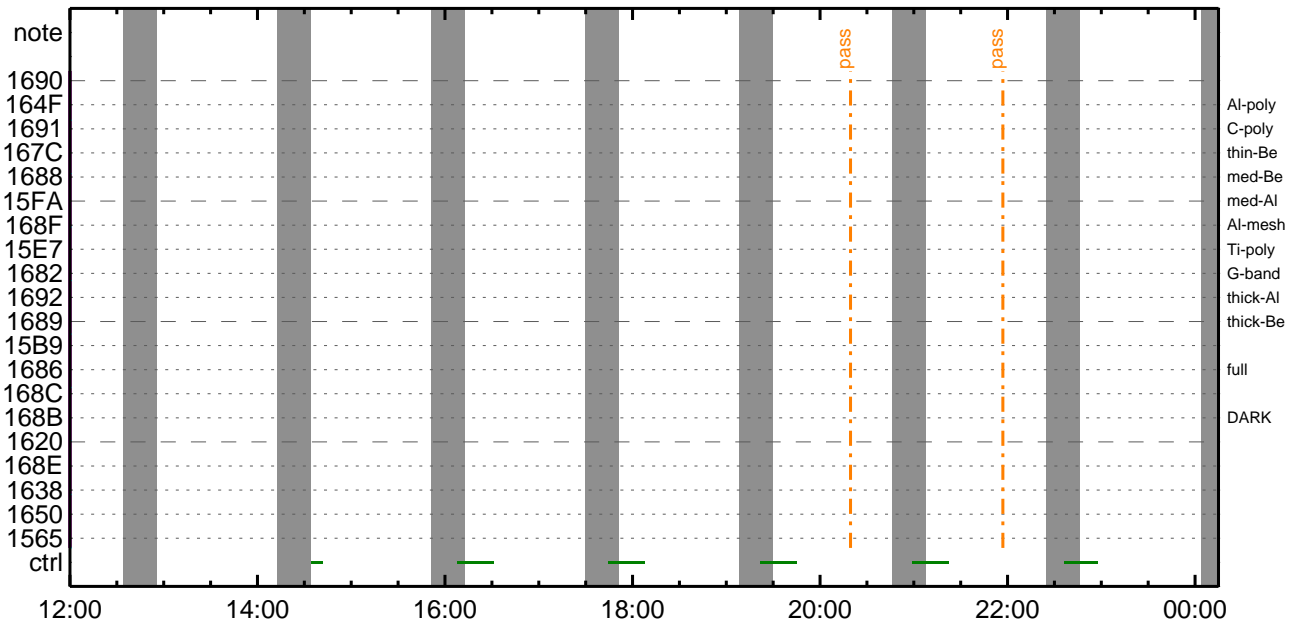
CMDI #0529 2009/04/30



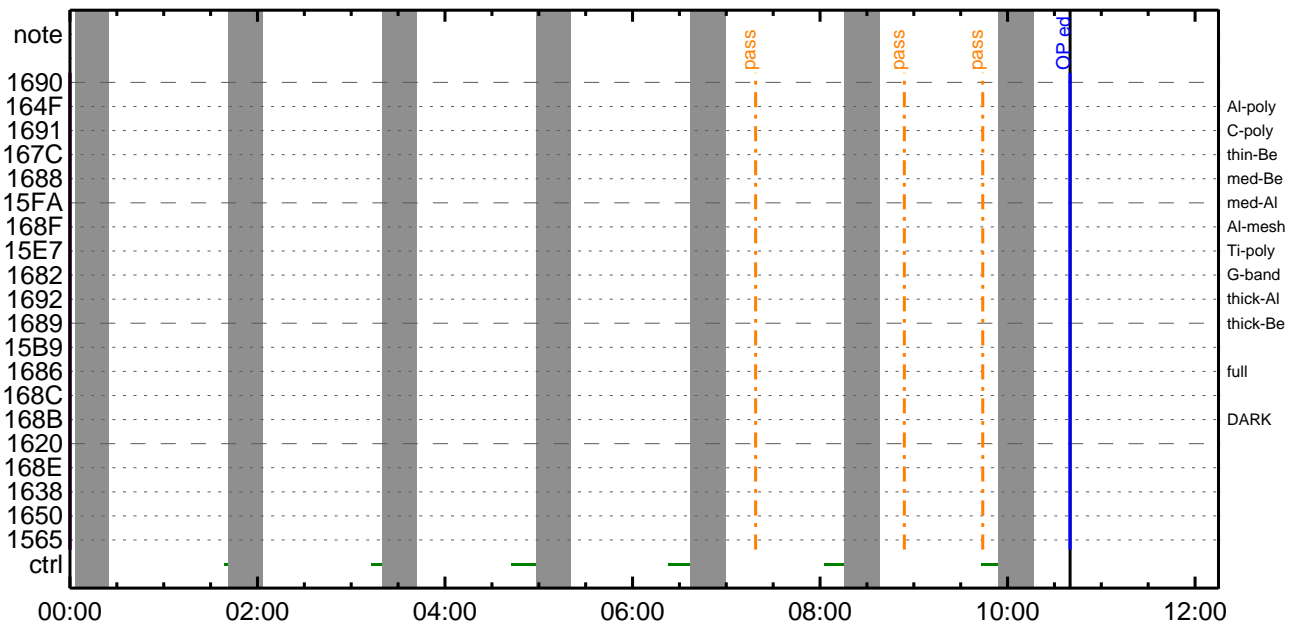
CMDI #0529 2009/05/01



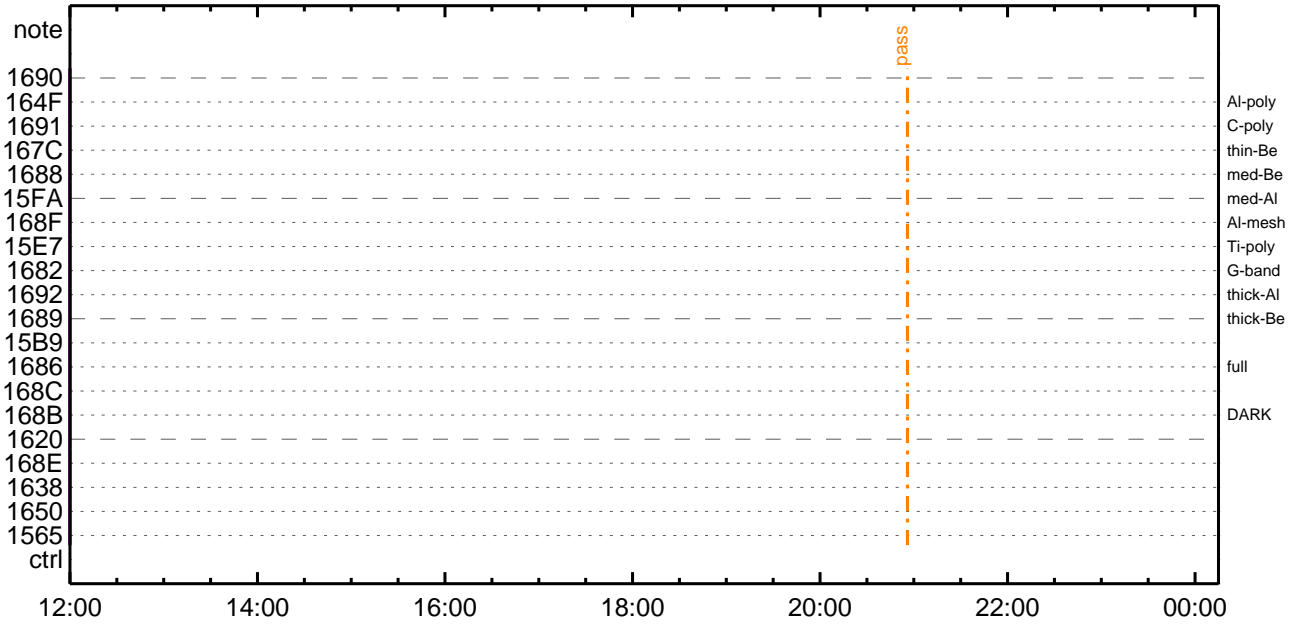
CMDI #0529 2009/05/01



CMDI #0529 2009/05/02



CMDI #0529 2009/05/02




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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;ã
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-561:OP
0104 ( )
0105 S. OG og-561:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPîî°èYAYôYx;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. YAYôYx½ªî»òð³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î½E¹ç•è²îOK²ð³îÇ§
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. YAYôYx½ªî»òð³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î½E¹ç•è²îOK²ð³îÇ§
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. YAYôYx½ªî»òð³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î½E¹ç•è²îOK²ð³îÇ§
0165 C.
0166 C. ***** °E²¼²î½E¹ç•è²îOK²ð³îÇ§ *****
0167 C. DHUYâ;4YE;E½Y½;Yi;4YE;E²ðîã¹
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÷çîNG²î½E¹ç•è²îOK²ð³îÇ§
0180 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0181 C.
0182 C. TIY³Y½YôYE²ðîã¹ç(UT)
0183 +. TI 2009-04-28 10:16:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2009-04-28 10:16:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2009-04-28 10:16:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2009-04-28 10:20:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          [HK1_TI_CMD_NUM]                      EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼îÄë%îíñîŷÄŸŸŷÄŸ-¹àîŮ
0200 C.          [HK1_TI_CMD_ENA/DIS]                  EQ      ENA
0201 C.          [HK1_TI_CMD_NUM]                      EQ      4
0202 C.          [HK1_NEXT_EXEC_PIM]                   EQ      DHU
0203 C.          [HK1_NEXT_EXEC_DC]                     EQ      0xB3
0204 C.
0205 . C. *****
0206 C. TÍŮŮ°èŷÄŸŸŸ×
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.          [HK1_DMP_TOP_ADRS_1]                  EQ      07
0213 C.          [HK1_DMP_TOP_ADRS_0]                  EQ      2B
0214 C.          [HK1_DMP_BLOCK_NUM]                   EQ      3
0215 C.          [HK1_DMP_REPEAT_NUM]                  EQ      0
0216 C.          [HK1_DMA_DMP_PIM]                     EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.          [HK1_PKT_FORM_NO]                      EQ      7
0220 C.          [HK1_PKT_GEN_TIME]                     EQ      0.25 s
0221 C.          [HK1_S_TLM_BIT_RATE]                  EQ      32k
0222 C.          [HK1_X_TLM_BIT_RATE]                  EQ      4M
0223 C.          [HK1_DMP_CHK_FLG]                      EQ      EXEC
0224 C.
0225 . C. ŸÄŸŸŸ×½ªî»ð³îÇŸ
0226 C.          [HK1_DMP_CHK_FLG]                      EQ      NON
0227 C.
0228 . C. RAM ID=TI_TBLîŷÄŸŸŸ°è²îOKð³îÇŸ
0229 C.
0230 . C. DHUŷâ;¼ŷÉ;ÊŷŸ¼.ŷî;¼ŷÉ;ËðîÄ¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          [HK1_PKT_FORM_NO]                      EQ      2
0234 C.          [HK1_PKT_GEN_TIME]                     EQ      0.5S
0235 C.          [HK1_S_TLM_BIT_RATE]                  EQ      32K
0236 C.          [HK1_X_TLM_BIT_RATE]                  EQ      4M
0237 C.
0238 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0239 C. Upload the Orbit Element and the Target Attitude
0240 C. RAM-ID:TARGET_ATT
0241 . S. RAM ram-150:TARGET_ATT
0242 ( )
0243 C.
0244 C.
0245 C. Set the dump memory area of TARGET_ATT
0246 +. DC 02-48 AOCU_DUMP_SET
0247 BC      (07 00 00 00 18 00)
0248 C.
0249 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0250 C.
0251 C.
0252 C. Change the TLMFormatNo for the AOCs Dump Format
0253 +. DC 01-22 DHU_MODE_CHNG
0254 BC      (04 0b f8)
0255 C.
0256 C. Wait for AOCSDUMP to end
0257 C.
0258 . C. Check the dump memory
0259 C.
0260 C.          Result = OK [ ]
0261 C.
0262 +. DC 01-22 DHU_MODE_CHNG
0263 BC      (02 0a f8)
0264 C.
0265 C.          <A_***>[TLM STS] FMT = 2 [ ]
0266 C.
0267 +. DC 02-8E AOCU_ORB_UPD
0268 . C.
0269 . C. ***** AOCs Commands (Orbital Element Update) *****
0270 C. Update the orbital element
0271 +. DC 02-50 AOCU_ORB_PRPGT_START
0272 BC      (16)
0273 +. DC 02-8E AOCU_ORB_UPD
0274 C.
0275 C.          <A_ORB>[ORBIT] EPC = 6036565.5 +- 1.0 (s) [ ]
0276 C.
0277 . C.
0278 C. *****
0279 C. SOT TI command set
0280 C. *****
0281 C. Execute, after the success of OP upload.
0282 +. TI 2009-04-28 10:20:16.0
0283 DC 07-F0 MDP_SOT_MODE_STBY
0284 BC      (41)
0285 . C. -----
0286 C. HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0287 C. -----
0288 C. ***** SOT END *****
0289 . C. Stop EIS observation and temporarily disable EIS mode changes
0290 C.
0291 C.

```


(a) Spacecraft Operation Procedure (real-commands)

```
main-562 2009-04-28 11:29:40 96 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOS¥Á¥$¥Á¥-¼Á»Û;ã
0005 C.
0006 C. ¥À¥£;¼¥³¥£¥ó¥ÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È□¿□Á□•μ°È»Í×ÁÇ□Í¥Ç¥Á¥×¥í;¼¥É;ÈÈè¼μ•íÉ;È□È¼°Ç□□•□¿¼í¹Ç□Í;ÇÁ®, ù□¹□è□□□ÇÁ+¿®□•□È□□□³□È;£
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 0ms
0019 C. *****
0020 C. EIS START OBSTBL LOAD
0021 C. *****
0022 . S. RAM ram-821: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 2009-04-28 10:20:50.0
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. <DHU mode change (FORM_1_0.25)>
0037 +. DC 01-22 DHU_MODE_CHNG
0038 BC (01 0b f8)
0039 C. çç[HK1_PKT_FORM_NO] EQ 1
0040 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0041 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0042 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0043 C.
0044 C. ;ãACM ALL-HIÃßÃê;ã
0045 +. DC 02-53 AOCU_ACM_MES_MODE
0046 BC (70 1f)
0047 C. çç[HK2_ACM_MES_MODE] EQ ALL-HI
0048 C.
0049 C. ;ãACM •xÃ-³«»Û;ã
0050 +. DC 02-50 AOCU_ACM_MES_START
0051 BC (52)
0052 C. çç[HK2_ACM_MES_STS] EQ MES
0053 . C. Wait 10sec
0054 C.
0055 C. çç[HK2_ACM_MES_STS] EQ STOP
0056 C.
0057 C. ;ãACM ¥À¥ó¥×;ã
0058 +. DC 02-50 AOCU_TLM_ACM
0059 BC (62)
0060 C. çç[HK2_ACU_TLM_MODE] EQ ACM
0061 +. DC 02-50 AOCU_ACM_DUMP_START
0062 BC (54)
0063 C. çç[HK2_ACM_DUMP_STS] EQ DUMP
0064 C.
0065 C. ¥À¥ó¥×¼ªªî» ,ã(îó128ÈÃ,ã)
0066 C.
0067 C. çç[HK2_ACM_DUMP_STS] EQ STOP
0068 C.
0069 +. DC 02-50 AOCU_TLM_MNV
0070 BC (60)
0071 C. çç[HK2_ACU_TLM_MODE] EQ MNV
0072 C.
0073 C. <DHU mode change (back to FORM_2_0.5)>
0074 +. DC 01-22 DHU_MODE_CHNG
0075 BC (02 0a f8)
0076 C. çç[HK1_PKT_FORM_NO] EQ 2
0077 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0078 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0079 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0080 C.
0081 C.
0082 . C. ***** MDP ´úÃí□Í»ö¼Ý□ÈÃ□¹□èDCBC•x²è *****
0083 C. (¼ª°í¥ó¥Á¥È¥£¥£¥á¥Ç¥Èè¼¼□□¼ª»Û□¹□è)
0084 . S. DC-BC dcbc-402:DCBC
0085 (MDP_known_event)
0086 C.
0087 C.
0088 . C. ***** ¥£¥¹•í Daily+¿ÍÑ□È´Ø□¹□èDCBC•x²è *****
0089 . S. DC-BC dcbc-153:DCBC
0090 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0091 C.
0092 C.
0093 . C. ;ãLOS¥Á¥$¥Á¥-¼Á»Û;ã
0094 C.
0095 . C. ***** LOS *****
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0096 C.
0097 C.
0098 . C. *****
0099 C. SOT table upload
0100 C. *****
0101 . C. < Stop FG table >
0102 +. DC 07-F0 MDP_FG_CTRL_MANU
0103 BC (51)
0104 . C. -----
0105 C. MDP_FG_CTRL_MODE = MANU [ ]
0106 C. -----
0107 C.
0108 . C. <Upload FG Observation Table>
0109 . S. RAM ram-261:MDP_OBS_F
0110 ( )
0111 C.
0112 . C. < Dump RAMID=MDP_OBS_F >
0113 +. DC 07-F0 MDP_DUMP_FGTBL
0114 BC (82 07 00 00 00 38 b8)
0115 C. -----
0116 C. MDP_OBS_F verify = OK/NG [ ]
0117 C. -----
0118 C.
0119 . C. < Upload DPL table >
0120 C.
0121 C. ¥ç¥Ã¥×¥í;¥É°âÊSTS_CHKðOFFðËð¹ðë
0122 C.
0123 . S. RAM ram-271:MDP_DPL
0124 ( )
0125 C.
0126 . C. < Dump RAMID=MDP_DPL >
0127 +. DC 07-F0 MDP_DUMP_FGTBL
0128 BC (82 07 00 38 b8 00 40)
0129 C. -----
0130 C. MDP_DPL verify = OK [ ]
0131 C. -----
0132 C.
0133 C. STS_CHKðONðËð¹ðë
0134 C.
0135 . C. < Update MDP DSC PAR1 >
0136 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0137 BC (4c)
0138 C. MDP_CMD_CODE = F04C0700[ ]
0139 C. MDP_CMD_CNT (count-up 1) [ ]
0140 C. -----
0141 C.
0142 . C.
0143 C. *****
0144 C. SOT TI command set
0145 C. *****
0146 C. Execute, after the success of TBL upload.
0147 +. TI 2009-04-28 10:20:18.0
0148 DC 07-F0 MDP_SOT_MODE_OBSV
0149 BC (40)
0150 . C. -----
0151 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0152 C. -----
0153 C.
0154 C.
0155 C. ***** XRT START *****
0156 C.
0157 +. DC 07-F0 MDP_XRT_CTRL_MANU
0158 BC (c1)
0159 + DC 07-F0 MDP_XRT_MODE_STBY
0160 BC (c3)
0161 . C. ----- Success Verify ? OK / NG_____
0162 C.
0163 C. XRT Obs. Table Upload
0164 . S. RAM ram-291:MDP_OBS_X
0165 ( )
0166 C.
0167 +. DC 07-F0 MDP_DUMP_XRTTBL
0168 BC (84 07 00 00 00 3a d4)
0169 . C. ----- Comparison Check ? OK / ERR _____
0170 C.
0171 C.
0172 +. DC 07-F0 MDP_XRT_ROI_SET
0173 BC (cd 01 b1 b1 04 04)
0174 + DC 07-F0 MDP_XRT_ROI_SET
0175 BC (cd 02 b1 b1 08 08)
0176 + DC 07-F0 MDP_XRT_ROI_SET
0177 BC (cd 03 b1 b1 08 08)
0178 + DC 07-F0 MDP_XRT_ROI_SET
0179 BC (cd 04 b1 b1 06 06)
0180 + DC 07-F0 MDP_XRT_ROI_SET
0181 BC (cd 06 80 80 04 04)
0182 + DC 07-F0 MDP_XRT_ROI_SET
0183 BC (cd 07 80 80 20 20)
0184 + DC 07-F0 MDP_XRT_ROI_SET
0185 BC (cd 08 80 84 06 06)
0186 + DC 07-F0 MDP_XRT_ROI_SET
0187 BC (cd 09 8c 83 0c 0c)
0188 + DC 07-F0 MDP_XRT_ROI_SET
0189 BC (cd 0a 80 80 06 06)
0190 + DC 07-F0 MDP_XRT_ROI_SET
0191 BC (cd 0f 80 80 04 04)
0192 + DC 07-F0 MDP_XRT_ROI_SET
0193 BC (cd 10 80 80 10 10)

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0194 . C. ----- Success Verify ?           OK / NG ____
0195 C.
0196 C.
0197 . C. All OK?   Yes--> Please Proceed. / No --> Stop here.
0198 C.
0199 +. DC 07-F0 MDP_XRT_MODE_OBSV
0200   BC      (c2)
0201 +. TI 2009-04-28 10:20:02.0
0202   DC 07-F0 MDP_XRT_MODE_OBSV
0203   BC      (c2)
0204 . C. ----- Success Verify ?           OK / NG ____
0205 C.
0206 C. ***** XRT END *****
0207 C.
0208 . C. ***** MDP 'úÃîðî»ö¼ÝðÈÂð¹¹æDCBC•x²è *****
0209 C. (¾ã°îÏÓŸÄŸÈŸßŸÈŸÁŸçŸèæÈ%¼æ¼Ã»Û¹æè)
0210 . S. DC-BC dcbc-402:DCBC
0211   (MDP_known_event)
0212 C.
0213 C.
0214 . C. ***** ŸÐŸ¹•Ï Daily±¿İÑæÈ'Ø¹¹æDCBC•x²è *****
0215 . S. DC-BC dcbc-153:DCBC
0216   (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0217 C.
0218 C.
0219 . C. ;ãLOSŸÁŸŸŸÄŸ-¼Ã»Û;ã
0220 C.
0221 . C. ***** LOS *****
0222 C.

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*** OP Sequence for XRT ***

2009/04/28	10:31:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00	00	00	00	00
2009/04/28	12:07:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/28	12:07:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/04/28	12:08:16.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	09			
2009/04/28	12:08:18.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/28	12:08:20.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/28	12:08:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/28	12:11:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/28	12:51:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/28	13:59:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/28	14:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	ac	00	00	00
2009/04/28	14:16:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/28	14:16:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/04/28	14:16:46.0	XRT_QT_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2009/04/28	14:16:48.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/28	14:16:50.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/28	14:16:52.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/28	14:19:30.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/28	14:23:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/28	14:26:30.0	XRT_Custom_430_OG [0x1ae]							
2009/04/28	14:27:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/28	15:37:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/28	16:18:00.0	XRT_Custom_430_OG [0x1ae]							
2009/04/28	16:19:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/28	17:16:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/28	17:54:30.0	XRT_Custom_430_OG [0x1ae]							
2009/04/28	17:55:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/28	17:56:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/28	17:56:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/04/28	17:56:30.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00	00	00	00	00
2009/04/28	17:56:46.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/28	17:56:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/28	17:56:50.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/28	17:59:28.0	XRT_QT_PROG_SET_414_OG [0x19e]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	02			
2009/04/28	17:59:30.0	XRT_CTRL_AUTO_440_OG [0x1b8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/28	18:06:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/28	18:06:26.0	XRT_FOCUS_RECALIBRATE_446_OG [0x1be]							
		XRT_FOCUS_RECAL	2	07-F8	78	00			
2009/04/28	18:06:30.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00	00	00	00	00
2009/04/28	18:10:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/04/28	18:10:46.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/28	18:10:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/28	18:10:50.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/28	18:13:28.0	XRT_QT_PROG_SET_443_OG [0x1bb]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2009/04/28	18:13:30.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/28	18:54:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/28	19:31:30.0	XRT_Custom_430_OG [0x1ae]							
2009/04/28	19:32:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/28	19:51:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							

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2009/04/28	19:51:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
		XRT_FOCUS_POSITION		4	07-F8	22 ff aa	00
2009/04/28	19:52:16.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/04/28	19:52:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/04/28	19:52:20.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/04/28	19:54:58.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03	
2009/04/28	19:55:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/28	20:33:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/28	21:09:00.0	XRT_Custom_430_OG [0x1ae]					
2009/04/28	21:10:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/28	21:39:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/28	21:39:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2009/04/28	21:40:16.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/04/28	21:40:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/04/28	21:40:20.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/04/28	21:42:58.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03	
2009/04/28	21:43:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/28	22:11:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/28	22:45:00.0	XRT_Custom_430_OG [0x1ae]					
2009/04/28	22:46:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/28	23:50:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/29	00:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 ac 00 00	00 00
2009/04/29	00:07:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/29	00:07:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00
2009/04/29	00:08:16.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b	
2009/04/29	00:08:18.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/04/29	00:08:20.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/04/29	00:08:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/04/29	00:11:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/29	01:26:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/29	01:49:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/29	02:59:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/29	03:27:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/29	04:18:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/29	04:18:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2009/04/29	04:18:30.0	AOCS_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 00 00 00	00 00
2009/04/29	04:18:46.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/04/29	04:18:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/04/29	04:18:50.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/04/29	04:21:28.0	XRT_QT_PROG_SET_401_OG [0x191]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 13	
2009/04/29	04:21:30.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/29	04:28:30.0	AOCS_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 00 00 00	00 00
2009/04/29	04:28:30.5	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/29	05:00:00.0	AOCS_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 37 8d 3e	35
2009/04/29	05:02:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/29	05:02:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00
2009/04/29	05:03:16.0	XRT_QT_PROG_SET_424_OG [0x1a8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12	
2009/04/29	05:03:18.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	

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2009/04/29	05:03:20.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/29	05:03:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/29	05:06:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/29	06:09:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/29	06:44:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/29	07:49:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/29	08:23:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/29	08:59:55.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/29	09:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	04 00 00 00 00				
2009/04/29	09:29:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/29	09:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/29	09:29:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/29	09:30:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 ac 00 00 00				
2009/04/29	09:30:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11				
2009/04/29	09:30:18.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/29	09:30:20.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/29	09:30:22.0	XRT_FLRCTRL_DIS_429_OG [0x1ad]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/29	09:45:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/29	11:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/29	11:29:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/29	11:30:00.0	AOCS_ORe-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00 00 00 54 00				
2009/04/29	11:30:16.0	XRT_QT_PROG_SET_423_OG [0x1a7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11				
2009/04/29	11:30:18.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/29	11:30:20.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/29	11:30:22.0	XRT_FLRCTRL_DIS_429_OG [0x1ad]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/29	11:45:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/29	13:29:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/29	13:29:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/29	13:30:00.0	AOCS_ORe-point_Start_6_OG [0x09c]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2009/04/29	13:30:16.0	XRT_QT_PROG_SET_404_OG [0x194]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10				
2009/04/29	13:30:18.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/29	13:30:20.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/29	13:30:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/29	13:33:00.5	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/29	14:36:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/29	15:07:00.0	XRT_Custom_430_OG [0x1ae]							
2009/04/29	15:08:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/29	16:15:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/29	16:54:30.0	XRT_Custom_430_OG [0x1ae]							
2009/04/29	16:55:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/29	17:43:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/29	17:43:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/04/29	17:43:30.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/04/29	17:43:46.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/29	17:43:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/29	17:43:50.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/29	17:46:28.0	XRT_QT_PROG_SET_414_OG [0x19e]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02				
2009/04/29	17:46:30.0	XRT_CTRL_AUTO_440_OG [0x1b8]							

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2009/04/29	17:53:30.0	AOCS_ORe-point_Start_6_OG [0x09c]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
		AOCU_NM		5	02-76	01 00 00 00 00			
2009/04/29	18:28:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/04/29	18:28:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2009/04/29	18:28:46.0	XRT_QT_PROG_SET_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10			
2009/04/29	18:28:48.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/04/29	18:28:50.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/04/29	18:28:52.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/04/29	18:31:30.5	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/04/29	19:32:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/04/29	20:08:30.0	XRT_Custom_430_OG [0x1ae]							
2009/04/29	20:09:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/04/29	21:10:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/04/29	21:45:30.0	XRT_Custom_430_OG [0x1ae]							
2009/04/29	21:46:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/04/29	22:49:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/04/29	23:20:30.0	XRT_Custom_430_OG [0x1ae]							
2009/04/29	23:21:30.5	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/04/30	00:27:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/04/30	00:48:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/04/30	02:00:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/04/30	02:27:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/04/30	03:36:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/04/30	04:05:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/04/30	05:06:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/04/30	05:44:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/04/30	05:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/04/30	05:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2009/04/30	06:00:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 00 00 00 00			
2009/04/30	06:00:16.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/04/30	06:00:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/04/30	06:00:20.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/04/30	06:02:58.0	XRT_QT_PROG_SET_401_OG [0x191]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 13			
2009/04/30	06:03:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/04/30	06:09:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/04/30	06:09:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2009/04/30	06:10:00.0	AOCS_ORe-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	01 00 00 00 00			
2009/04/30	06:10:16.0	XRT_QT_PROG_SET_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10			
2009/04/30	06:10:18.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2009/04/30	06:10:20.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2009/04/30	06:10:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2009/04/30	06:13:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/04/30	06:47:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/04/30	07:22:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2009/04/30	07:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2009/04/30	07:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2009/04/30	08:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	04 00 00 00 00			
2009/04/30	08:00:16.0	XRT_QT_PROG_SET_402_OG [0x192]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 05			
2009/04/30	08:00:18.0	XRT_ARS_DIS_422_OG [0x1a6]							

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2009/04/30	08:00:20.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_ARS_DIS	1	07-F0	d5					
			MDP_XRT_FLD_DIS	1	07-F0	d9					
2009/04/30	08:00:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9					
2009/04/30	08:03:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2009/04/30	08:27:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2009/04/30	09:01:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2009/04/30	10:07:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2009/04/30	10:42:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 00 00 00 00					