

XRT Timeline to be uploaded on 2009/04/02

Period: 2009/04/02 11:07:00 - 2009/04/07 10:57:00

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Normal mode

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XOB #1563: CCD Monitor During Bakeout - G-band + dark - wide FOV													
Term		Pointing (x, y)						Comment					
04/02 14:44:30 - 04/02 17:03:40		Track (76.8, 539.5) ^{04/02 14:00:00}						* Track bright region in N.					
PROG= 20 Inf.-time(s)													
└─ Subr= 1 1-time(s) 600.0sec													
└─ Seqn= 98 1-time(s) 4.0sec													
└─ Open/G-band		Open/G-band	open	Safe	Norm	44ms	Obs	1x1	2048x256 (1024, 1024)	DPCM	0	0	2.0sec
└─ Open/thick-Be		Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	2048x256 (1024, 1024)	DPCM	0	0	2.0sec
Default Filter		Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1565: CCD Monitor During Bakeout - G-band + dark - wide FOV - lower cadence (30min)													
Term		Pointing (x, y)						Comment					
04/02 17:06:50 - 04/02 20:54:30		Track (76.8, 539.5) ^{04/02 14:00:00}						* Track bright region in N.					
PROG= 11 Inf.-time(s)													
└─ Subr= 1 1-time(s) 1800.0sec													
└─ Seqn= 98 1-time(s) 4.0sec													
└─ Open/G-band		Open/G-band	open	Safe	Norm	44ms	Obs	1x1	2048x256 (1024, 1024)	DPCM	0	0	2.0sec
└─ Open/thick-Be		Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	2048x256 (1024, 1024)	DPCM	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					
04/03 05:57:00 - 04/03 06:03:54		Fixed (0.0, 0.0)						synoptic, shifted -6.0 min					
04/04 06:03:00 - 04/07 10:57:00		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 #15A8: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 1st Quadrant													
Term		Pointing (x, y)						Comment					
04/03 06:07:00 - 04/03 06:14:54		Fixed (-528.4, -528.4)						# XRT post-bakeout four-quadrant pointings.					
PROG= 08 1-time(s)													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 28 1-time(s) 12.0sec													
└─ Open/G-band		Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (1536, 1536)	Q=90	0	0	2.0sec
└─ Open/G-band		Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (1536, 1536)	Q=90	0	0	2.0sec
└─ Open/thick-Be		Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (1536, 1536)	Q=98	0	0	2.0sec
└─ Open/thick-Be		Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (1536, 1536)	Q=98	0	0	2.0sec
Default Filter		Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #15A9: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 2nd Quadrant													
Term		Pointing (x, y)						Comment					
04/03 06:18:00 - 04/03 06:24:54		Fixed (528.4, -528.4)						* Cont.					
PROG= 07 1-time(s)													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 41 1-time(s) 12.0sec													
└─ Open/G-band		Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (512, 1536)	Q=90	0	0	2.0sec
└─ Open/G-band		Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (512, 1536)	Q=90	0	0	2.0sec
└─ Open/thick-Be		Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (512, 1536)	Q=98	0	0	2.0sec
└─ Open/thick-Be		Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (512, 1536)	Q=98	0	0	2.0sec
Default Filter		Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #15AB: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 4th Quadrant												
Term		Pointing (x, y)						Comment				
04/03 06:28:00 - 04/03 06:34:54		Fixed (-528.4, 528.4)						* Cont.				
PROG= 15 1-time(s)												
└─ Subr= 1 1-time(s) 12.0sec												

Seqn= 40 1-time(s) 12.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (1536, 512)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (1536, 512)	Q=90	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (1536, 512)	Q=98	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (1536, 512)	Q=98	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #15AA: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 3rd Quadrant

Term Pointing (x, y) Comment												
04/03 06:38:00 - 04/03 06:44:54			Fixed (528.4, 528.4)		* Last four quadrant.							
PROG= 04 1-time(s)												
Subr= 1 1-time(s) 12.0sec												
Seqn= 8 1-time(s) 12.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (512, 512)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (512, 512)	Q=90	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (512, 512)	Q=98	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (512, 512)	Q=98	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1670: AR Watch 512x512 - C/Poly + Thin-Be + Med-Be - 1x1 - AEC2

Term Pointing (x, y) Comment												
04/03 06:48:00 - 04/03 12:55:54			Track (207.9, 536.3)		④ 04/03 06:45:00 * Track bright region in N, fast maps over 13-15 UT.							
04/03 15:03:06 - 04/03 17:56:24			Track (207.9, 536.3)		④ 04/03 06:45:00 * Track bright region in N, fast maps over 13-15 UT.							
04/03 20:10:00 - 04/04 05:59:54			Track (308.9, 532.1)		④ 04/03 20:07:00 # Track bright region in N.							
PROG= 17 Inf.-time(s)												
Subr= 1 120-time(s) 180.0sec												
Seqn= 96 1-time(s) 240.0sec												
C-poly/Open	thin-Be/Open	close	Safe	Norm	2.83s	Obs	1x1	512x512 (1024, 1024)	DPCM	2	0	28.0sec
Seqn= 70 1-time(s) 240.0sec												
thin-Be/Open	thin-Be/Open	close	Safe	Norm	8.00s	Obs	1x1	512x512 (1024, 1024)	DPCM	2	0	22.0sec
Subr= 2 1-time(s) 60.0sec												
Seqn= 32 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
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1672: AR-Ti/poly 1x1 384 FOV movie

Term Pointing (x, y) Comment												
04/03 12:59:00 - 04/03 14:55:30			Track (207.9, 536.3)		④ 04/03 06:45:00 * Track bright region in N, fast maps over 13-15 UT.							
PROG= 18 Inf.-time(s)												
Subr= 1 180-time(s) 10.0sec												
Seqn= 69 1-time(s) 10.0sec												
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1024, 1024)	DPCM	2	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												
04/03 17:59:30 - 04/03 20:06:54			Fixed (0.0, 0.0)		synoptic, shifted -3.0 min, and two hours at disk center for SOT flat fields.							
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	

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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

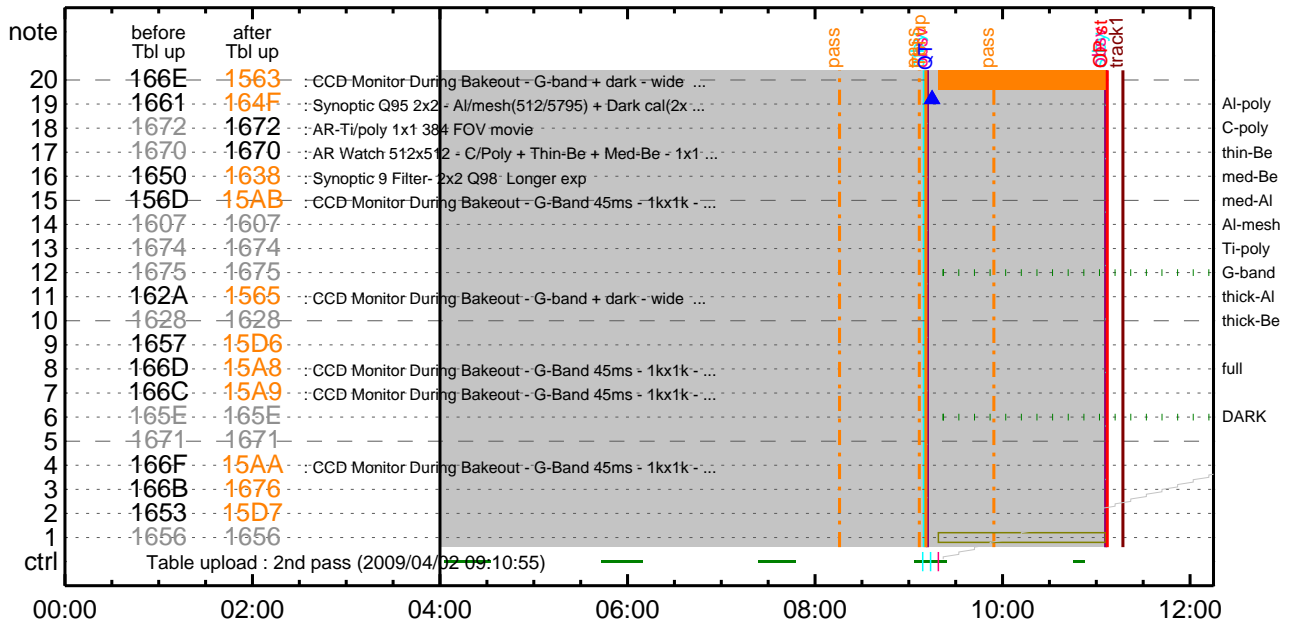
* * * * *

Flare Detection

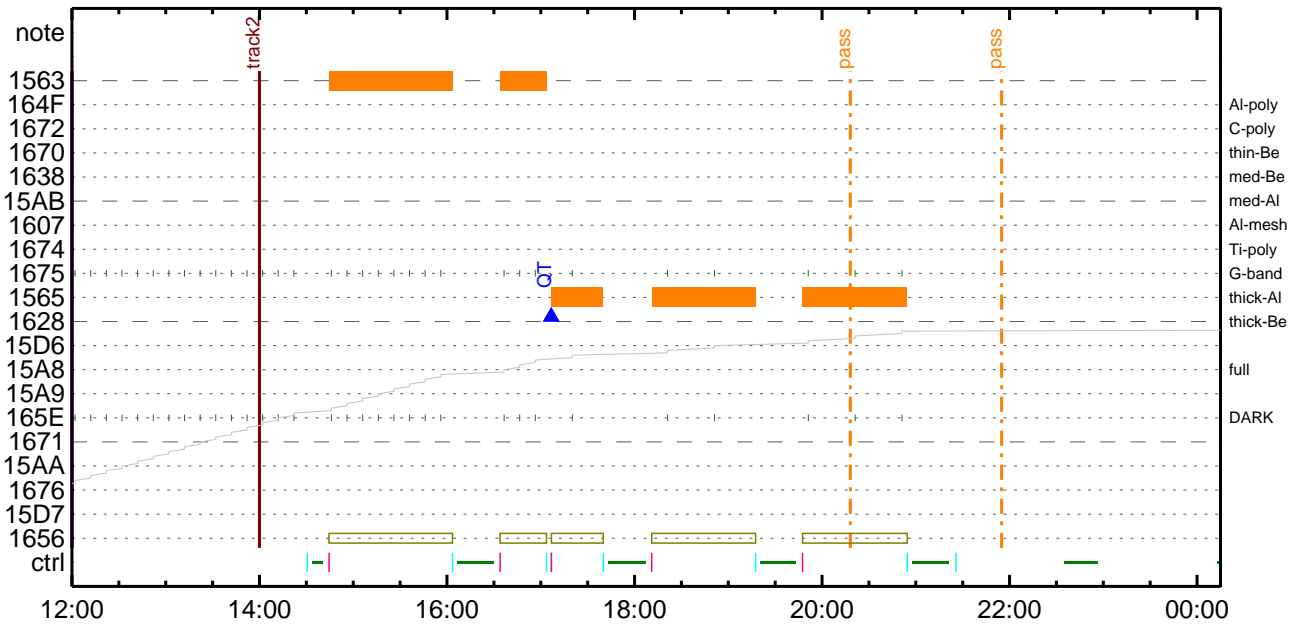
* * * * *

NOT USED

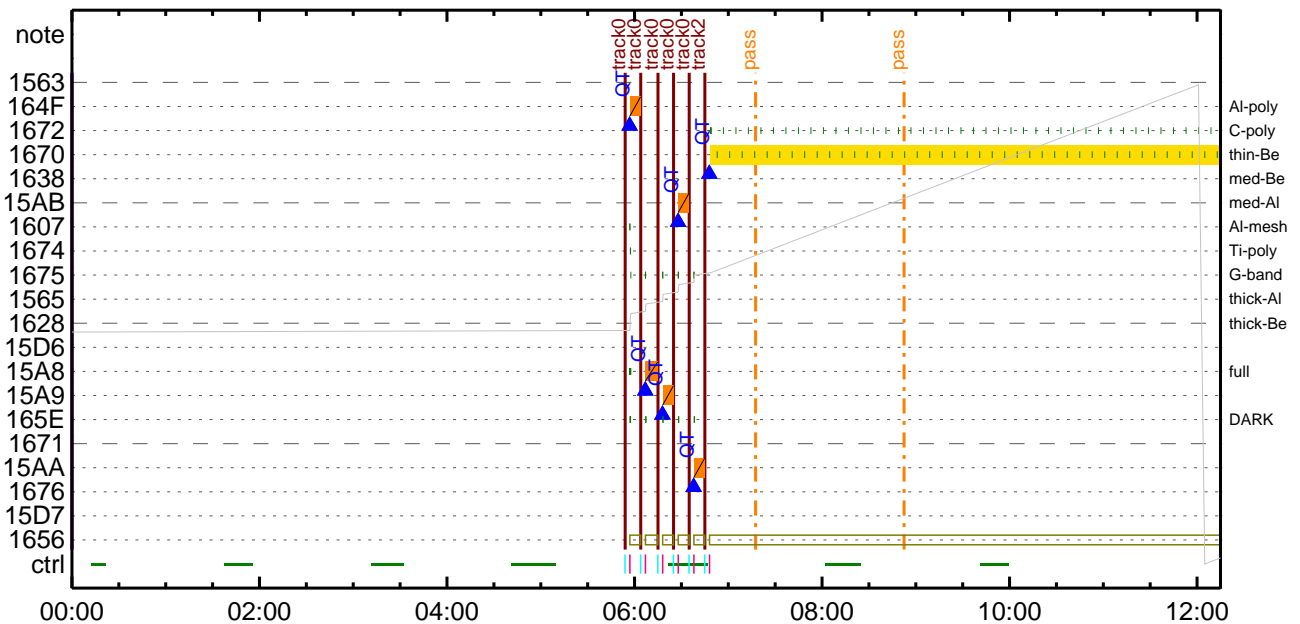
CMDI #0487 2009/04/02



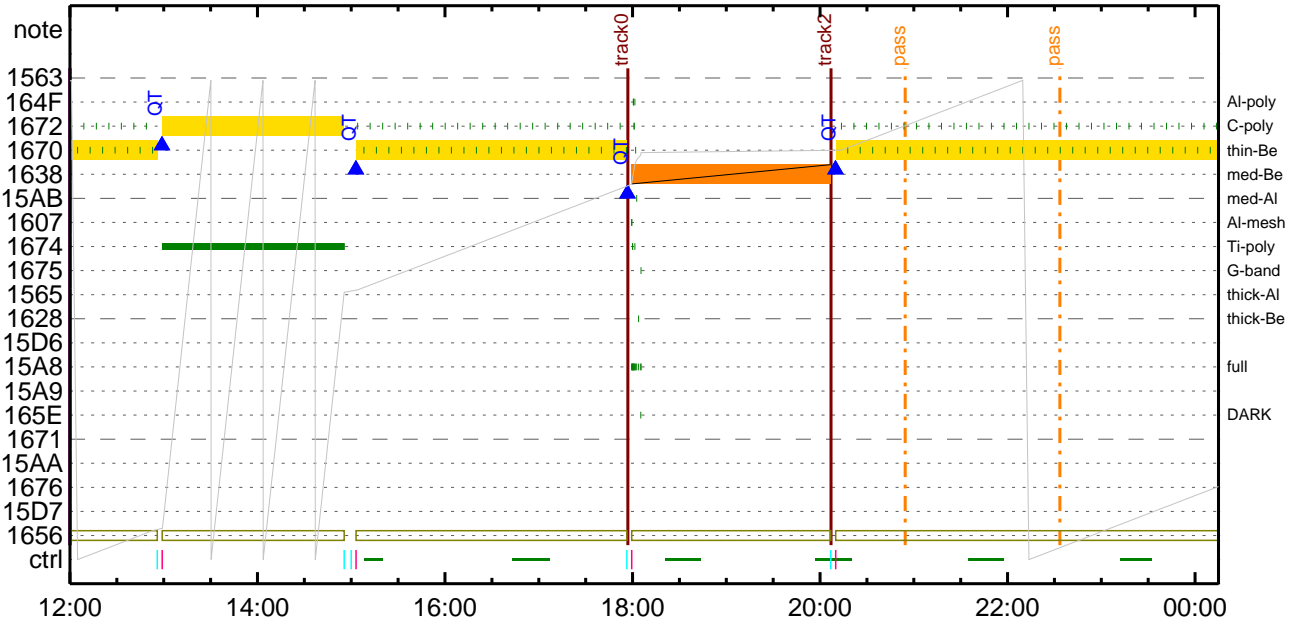
CMDI #0487 2009/04/02



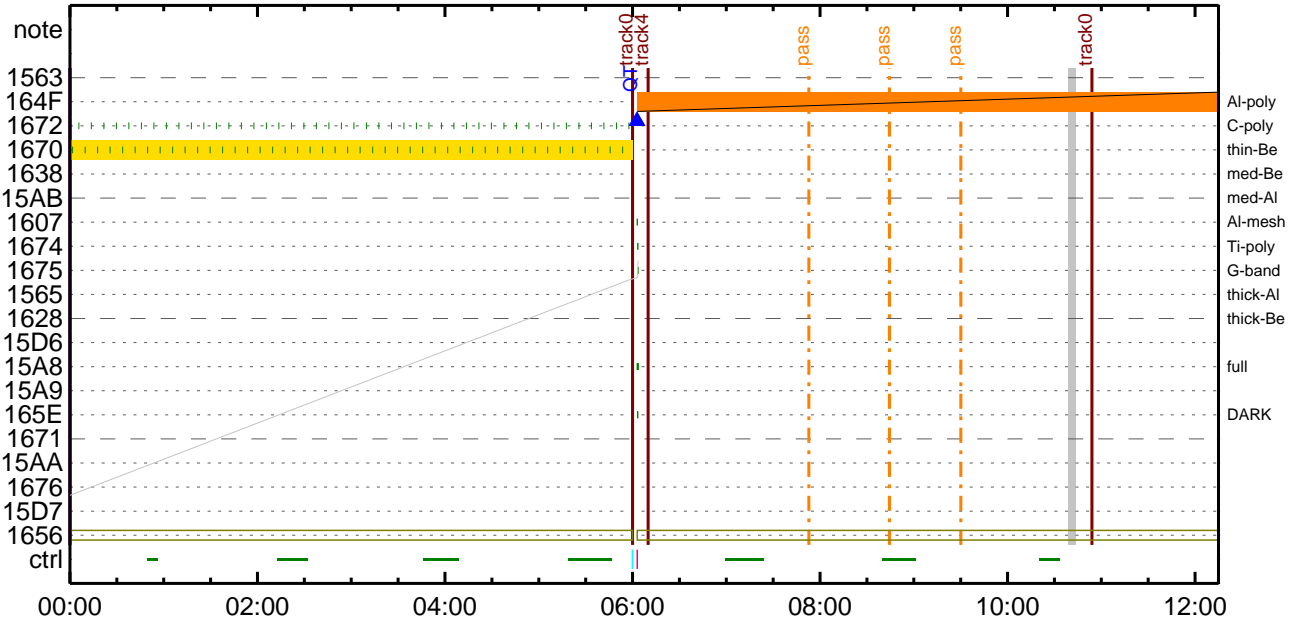
CMDI #0487 2009/04/03



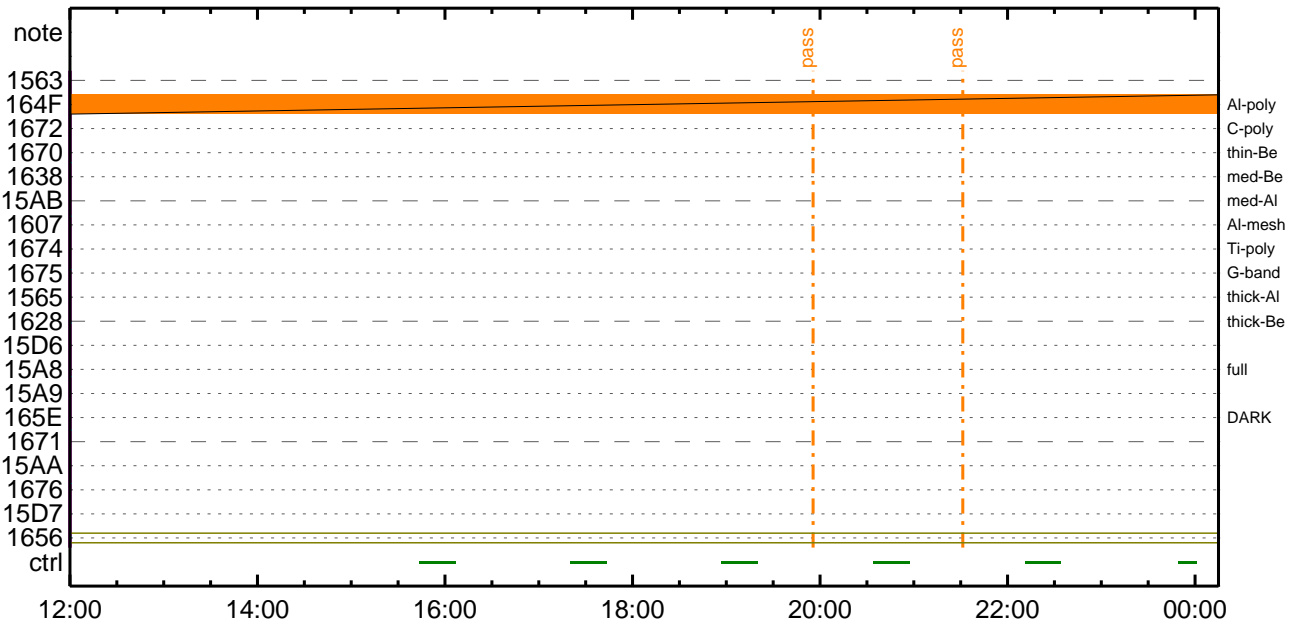
CMDI #0487 2009/04/03



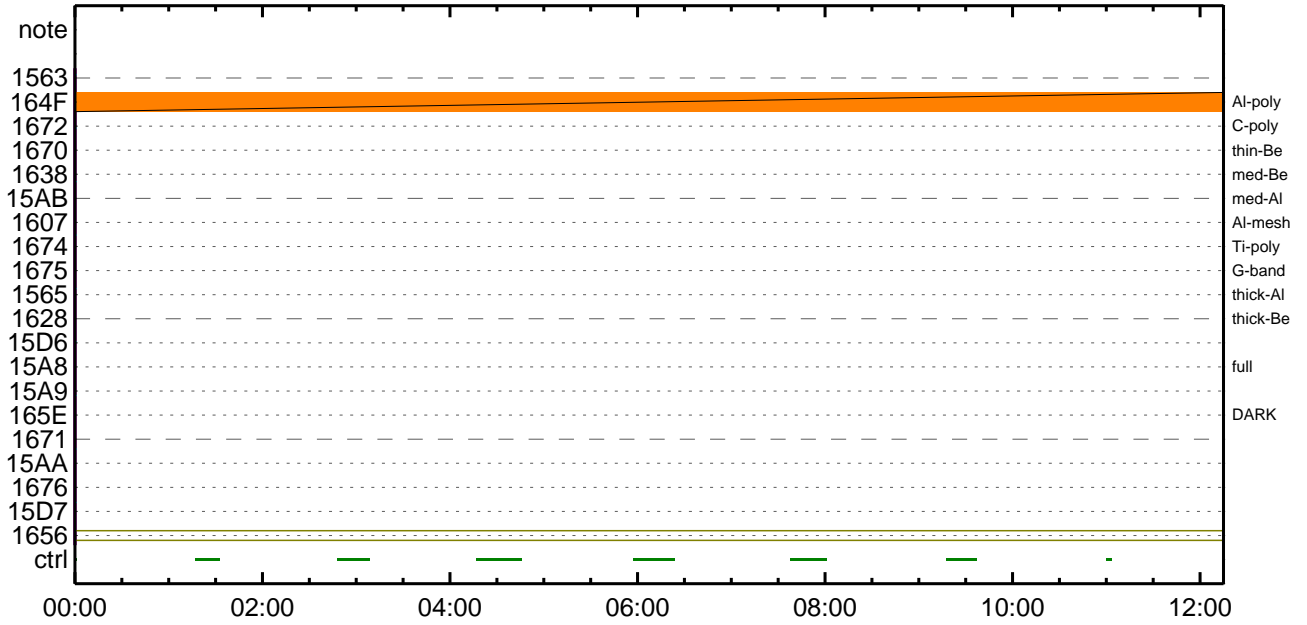
CMDI #0487 2009/04/04



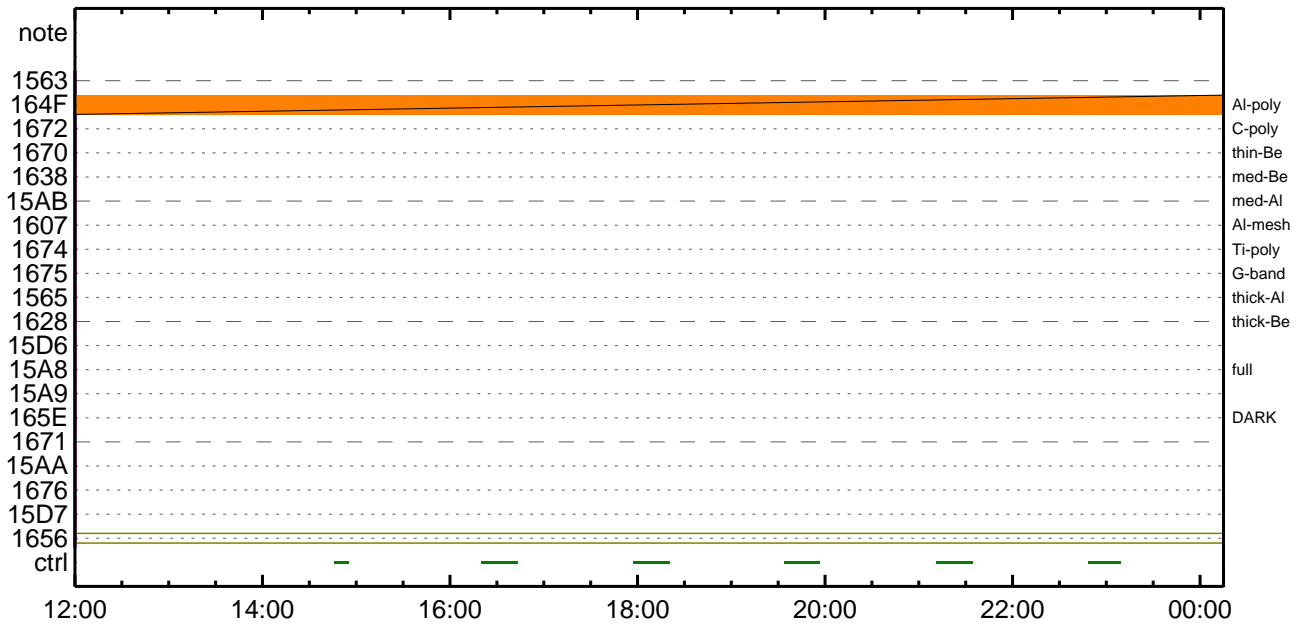
CMDI #0487 2009/04/04



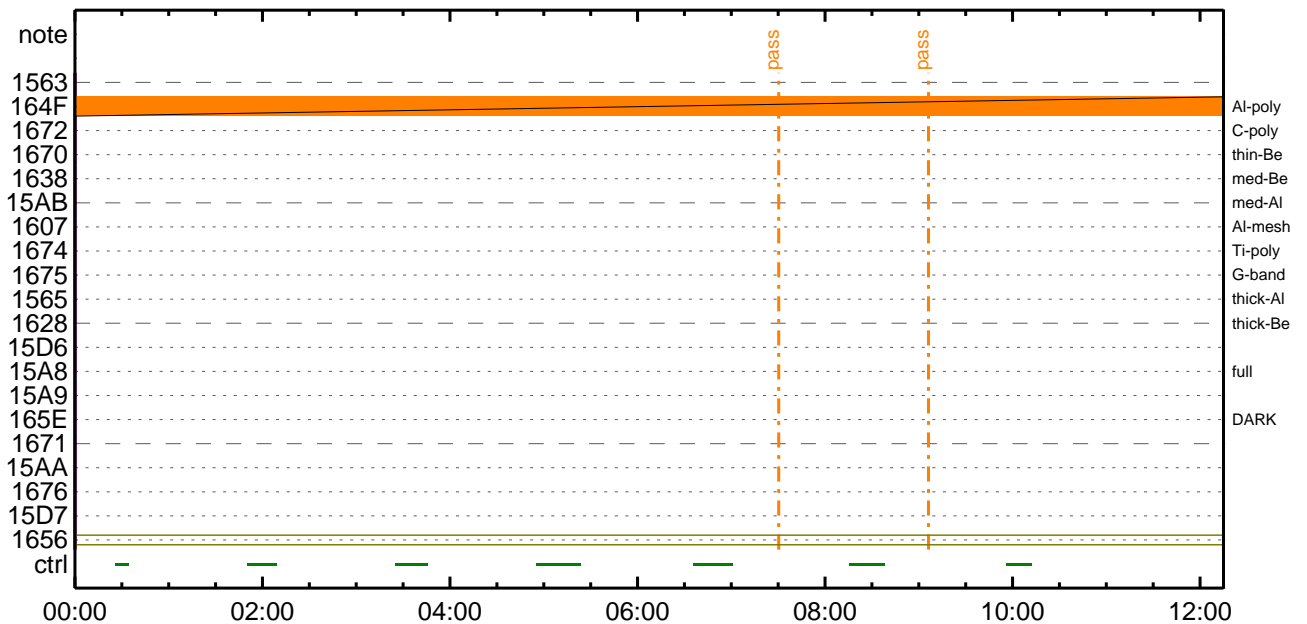
CMDI #0487 2009/04/05



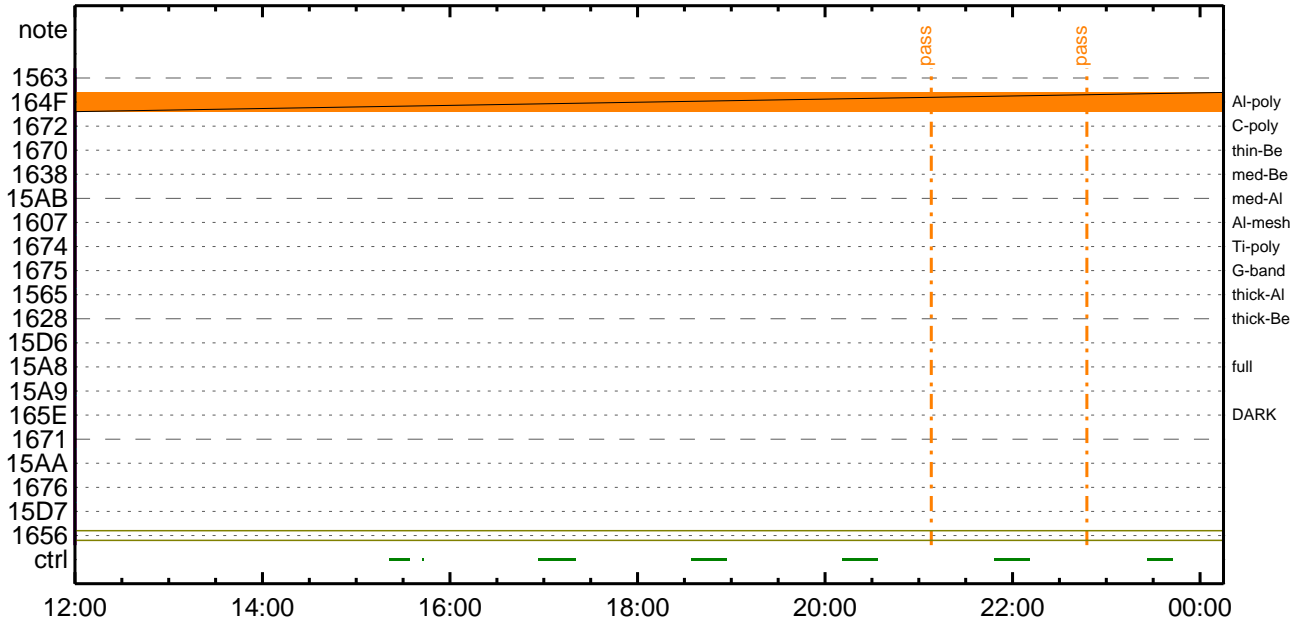
CMDI #0487 2009/04/05



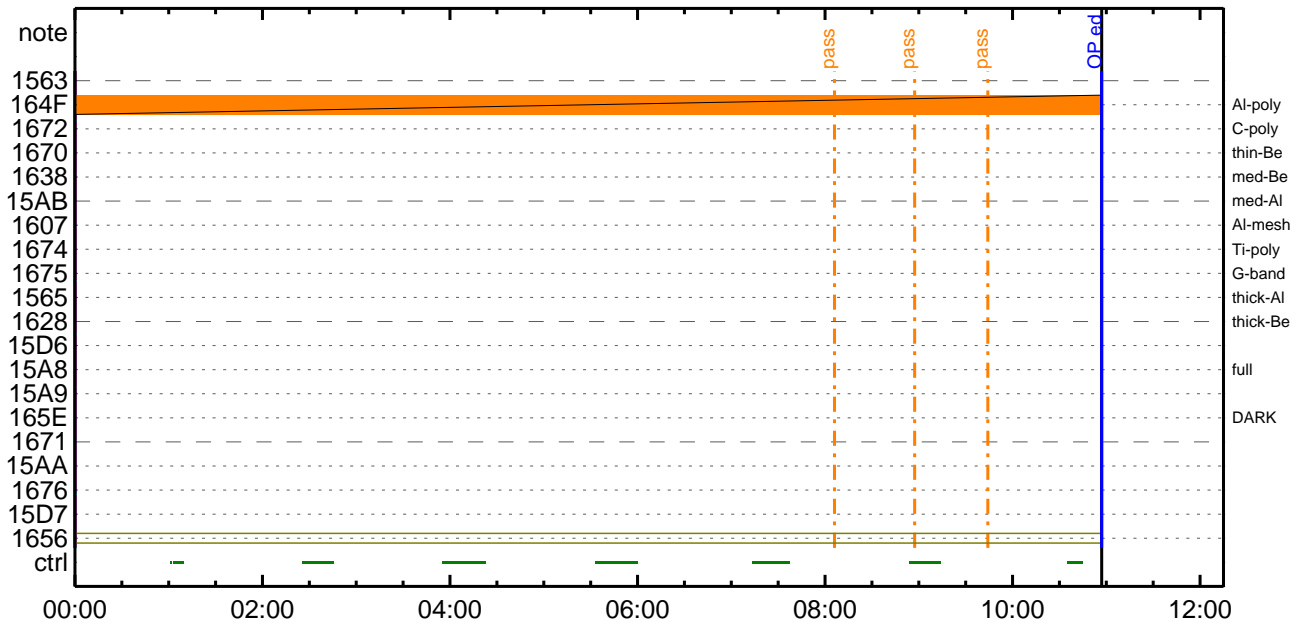
CMDI #0487 2009/04/06



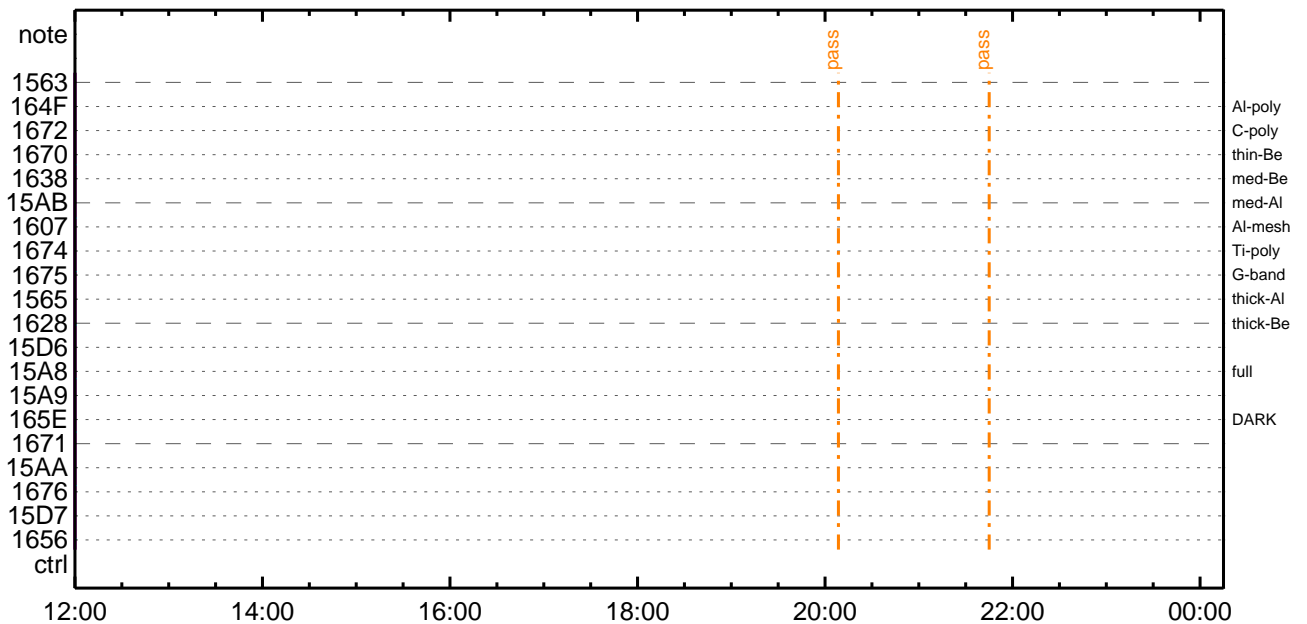
CMDI #0487 2009/04/06



CMDI #0487 2009/04/07



CMDI #0487 2009/04/07




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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-509:OP
0104 ( )
0105 S. OG og-509: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. YAYOXx½ª î»ò³ îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOGãî½ª¹ç•è² îOKò³ îÇ§
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. YAYOXx½ªª î»ò³ îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOGãî½ª¹ç•è² îOKò³ îÇ§
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. YAYOXx½ªª î»ò³ îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OPãî½ª¹ç•è² îOKò³ îÇ§
0165 C.
0166 C. ***** òÈ²¼ò î½ª¹ ç¼ª°ÈÈ-òª÷¿@ (¼ªµ-YAYOXx½ªª çòðÃÔÃæç¼ªª° òÈ²¼ îçççª) *****
0167 C. DHUYã;4YE;È½ª¹, 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 UPLOADã-Ã÷¿@NGUî½ª¹ç; ç°È²¼ò îTI-CMDÃ÷¿@ãî½ª¹Ôª° òÈ²¼ ò³ òÈ²¼; f
0180 C. ò³ òÈ²¼; çSETòÈDUMPAî½ª¹ ç¹ ò³ òÈ²¼; f
0181 C.
0182 C. TIY³ YP YOXE òðÃî¿ (UT)
0183 +. TI 2009-04-02 11:02:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2009-04-02 11:02:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2009-04-02 11:02:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2009-04-02 11:06:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0198 C.
0199 C. °Ê²¼αîÄë%îíñαîŷÄŷ§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. TIîŷ°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_TBLαîŷ°èŷÄŷÖŷ×½ªî»αò³îç§
0229 C.
0230 C. DHUŷä;¼ŷÉ;Ê¼ŷ¼. ŷî;¼ŷÉ;Êαòîäα¹
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 2009-04-02 11:06:16.0
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 2009-04-02 11:06:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC          (21 02)
0258 +. TI 2009-04-02 11:06:40.0
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 2009-04-02 11:06:00.0
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 ´ûÄîαî»ö¼ŷ¼αÊÄα¹αèDCBC.×²è *****
0276 C. (¼ä°îŷÖŷÄŷÉŷŷŷÉŷáŷçŷèè¼αα¼Ä»Ûα¹αè)
0277 S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ŷÐŷ¹.î Daily±çîñαè'Øα¹αèDCBC.×²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOSŷÄŷ§ŷÄŷ-¼Ä»Û;ä
0287 C.
0288 C. ***** LOS *****
0289 C.

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(a) Spacecraft Operation Procedure (real-commands)

```
main-510 2009-04-02 13:10:01 177 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Èα¿αÁα•μ°È»Í×ÁÇαÍYçYÁY×Yí;¼YÉ;ÈÈè%μ•íÉ;ÈÈÈ¼°ÇÔα•α¿¼l¹çαÍ;çÁ®, ùα¹αÈαBαÇÁ+¿®α•αÈααα³αÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCS Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ( )
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCU_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCS Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCSDUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCU_ORB_UPD
0044 . C.
0045 C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0046 +. DC 07-FC EIS_MODE_MANU
0047 BC (21 02)
0048 . C. Verify EIS in MANUAL mode
0049 . C. Estimated OBSTBL upload time is 18s
0050 C. *****
0051 C. EIS START OBSTBL LOAD
0052 C. *****
0053 . S. RAM ram-820:EIS_OBSTBL
0054 ( )
0055 +. DC 07-FC EIS_DUMP_OBSTBL
0056 BC (07 07 07 00 00 70 00)
0057 C.
0058 C. Execute, after the success of OBSTBL upload.
0059 C. Set EIS TI-commands
0060 +. TI 2009-04-02 11:06:50.0
0061 DC 07-FC EIS_MODE_CHG_ENA
0062 BC (20)
0063 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0064 C. *****
0065 C. EIS END OBSTBL LOAD
0066 C. *****
0067 C.
0068 C. ***** XRT START *****
0069 C.
0070 +. DC 07-F0 MDP_XRT_CTRL_MANU
0071 BC (c1)
0072 +. DC 07-F0 MDP_XRT_MODE_STBY
0073 BC (c3)
0074 . C. ----- Success Verify ? OK / NG_____
0075 C.
0076 C. XRT Obs. Table Upload
0077 . S. RAM ram-291:MDP_OBS_X
0078 ( )
0079 C.
0080 +. DC 07-F0 MDP_DUMP_XRTTBL
0081 BC (84 07 00 00 00 3a d4)
0082 . C. ----- Comparison Check ? OK / ERR _____
0083 C.
0084 C.
0085 +. DC 07-F0 MDP_XRT_ROI_SET
0086 BC (cd 01 b1 b1 04 04)
0087 +. DC 07-F0 MDP_XRT_ROI_SET
0088 BC (cd 02 b1 b1 08 08)
0089 +. DC 07-F0 MDP_XRT_ROI_SET
0090 BC (cd 03 b1 b1 08 08)
0091 +. DC 07-F0 MDP_XRT_ROI_SET
0092 BC (cd 04 b1 b1 06 06)
0093 +. DC 07-F0 MDP_XRT_ROI_SET
0094 BC (cd 06 80 80 20 04)
0095 +. DC 07-F0 MDP_XRT_ROI_SET
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0096 BC (cd 07 80 80 20 20)
0097 + DC 07-F0 MDP_XRT_ROI_SET
0098 BC (cd 08 c0 c0 10 10)
0099 + DC 07-F0 MDP_XRT_ROI_SET
0100 BC (cd 09 40 c0 10 10)
0101 + DC 07-F0 MDP_XRT_ROI_SET
0102 BC (cd 0a c0 40 10 10)
0103 + DC 07-F0 MDP_XRT_ROI_SET
0104 BC (cd 0b 40 40 10 10)
0105 + DC 07-F0 MDP_XRT_ROI_SET
0106 BC (cd 0c 80 80 08 08)
0107 + DC 07-F0 MDP_XRT_ROI_SET
0108 BC (cd 0d 80 80 06 06)
0109 + DC 07-F0 MDP_XRT_ROI_SET
0110 BC (cd 0f 80 80 04 04)
0111 + DC 07-F0 MDP_XRT_ROI_SET
0112 BC (cd 10 80 80 10 10)
0113 . C. ----- Success Verify ? OK / NG ____
0114 C.
0115 C.
0116 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0117 C.
0118 +. DC 07-F0 MDP_XRT_MODE_OBSV
0119 BC (c2)
0120 +. TI 2009-04-02 11:06:02.0
0121 DC 07-F0 MDP_XRT_MODE_OBSV
0122 BC (c2)
0123 . C. ----- Success Verify ? OK / NG ____
0124 C.
0125 C. ***** XRT END *****
0126 C. *****
0127 C. START of XRT_CCD_HEATER_ON operation
0128 C. *****
0129 C.
0130 +. DC 07-F0 MDP_XRT_CTRL_MANU
0131 BC (c1)
0132 C. ----- Success Verify ? OK / NG;
0133 C.
0134 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0135 BC (c4 14)
0136 + DC 07-F0 MDP_XRT_FLD_DIS
0137 BC (d9)
0138 + DC 07-F0 MDP_XRT_FLRCTRL_DIS
0139 BC (c9)
0140 + DC 07-F0 MDP_XRT_ARS_DIS
0141 BC (d5)
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_CTRL_AUTO
0148 BC (c0)
0149 C. ----- Success Verify ? OK / NG;
0150 C.
0151 +. DC 04-BC TCIB_XRT_S_HTR_A_ENA
0152 C. ----- Success Verify ? OK / NG;
0153 C.
0154 C. -----
0155 C. If anomalous situation appeared, execute TCIB_XRT_S_HTR_A_DIS using DCBC-441 (line 24)
0156 C. -----
0157 C. *****
0158 C. END of XRT_CCD_HEATER_ON operation
0159 C. *****
0160 C.
0161 C.
0162 C.
0163 . C. ***** MDP `uAiuI»o%YoeABo1oeDCBC*x2e *****
0164 C. (%a°iYÓYÁYÉYpYÉYáYçYèe%¼aa¼A»Üa1oè)
0165 . S. DC-BC dcbc-402:DCBC
0166 (MDP_known_event)
0167 C.
0168 C.
0169 . C. ***** YDY1.İ Daily±;iNnoE`0a1oèDCBC*x2e *****
0170 . S. DC-BC dcbc-153:DCBC
0171 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0172 C.
0173 C.
0174 . C. ;ãLOS¥Á¥S¥Y¥-¼A»Ü;ã
0175 C.
0176 . C. ***** LOS *****
0177 C.

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(a) Spacecraft Operation Procedure (real-commands)

```

main-511 2009-04-02 13:10:01 178 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYŞ;¼Y³YÞYÓYÉÁ+ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èççãã•µ°È»Í×ÁÇçÍYçYÁY×YÍ;¼YÉ;ÈÈÈµ•ííÈ;ÈÈÈ¼°ÇÖã•çç¼l¹ççÍ;çÀ®, ùã¹ãÈãããçÁ+ç®ã•ãÈããããÈ;ç
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+ççµ;ON
0016 C. *****
0017 C. ç“ °EÀ, Í×ÈYããLOSããçãçÍ»p´Öãð¹íí, ç. ; çÉÖÍ×ãÈXÁÖONãí¹ÖãÈçããããÈ;ç
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 + DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 + DC 03-95 TCIA_XMOD_QPSK
0024 C. çç[HK1_XPA_ON/OFF] EQ ON
0025 C. çç[HK1_XPA_PWR_HI/LO] EQ HI
0026 C. çç[HK1_XMOD_ON/OFF] EQ ON
0027 C. çç[HK1_XMOD_QPSK/PM] EQ QPSK
0028 C.
0029 . C. XYDYÓYÉYÍYÁY-¾ÖÁÖã-°ÁÁÈã•çç;ç°È²¼ççÍ°EÀ, ¼È¼çççç¼Á¹Öççç;ç
0030 C.
0031 . C. *****
0032 C. DR PT1 ÁÍ¼í°EÀ,
0033 C. *****
0034 C. ç“ RESTART;ÈPT1;Èç.çççç¼l¹ççÍ;ç°È²¼ççÍ¼Á¹Öççç;çDCBC-150çççÈçç;ç
0035 C.
0036 . C. ;ãPT1°EÀ, ³«»Í;ã
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 + DC 06-C8 DR_PT1_REP_SEL
0039 BC (01 00)
0040 + DC 06-B3 DR_REP_START
0041 + DC 01-32 DHU_X_VC4_ON
0042 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Á¹Ö, ;¼Ú)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0045 C.
0046 . C. ;ãYçYÓYÉYÉÁÙÁØ;ÈÁ•Á°²óÈð;È, áãí°EÀ, °E³«;ã
0047 +. DC 06-B3 DR_REP_START
0048 + DC 01-32 DHU_X_VC4_ON
0049 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Á¹Ö, ;¼Ú)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°EÀ, ç-¼«E°Áá»ßã•çç;ã;ç°È²¼ççç¼Á¹Öççç;ç
0055 C. YçYÓYÉYÉÁÙÁØããÁ•Á°²óÈðã-¼áçç¼l¹ççÍ°EÀ»ã¹ãÈãããçÁÖã;ç
0056 C.
0057 . C. *****
0058 C. DR PT2 ÁÍ¼í°EÀ,
0059 C. *****
0060 C. ç“ RESTART;ÈPT2;Èç.çççç¼l¹ççÍ;ç°È²¼ççÍ¼Á¹Öççç;çDCBC-151çççÈçç;ç
0061 C.
0062 . C. ;ãPT2°EÀ, ³«»Í;ã
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 + DC 06-C8 DR_PT2_REP_SEL
0065 BC (02 00)
0066 + DC 06-B3 DR_REP_START
0067 + DC 01-32 DHU_X_VC4_ON
0068 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Á¹Ö, ;¼Ú)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0071 C.
0072 . C. ;ãYçYÓYÉYÉÁÙÁØ;ÈÁ•Á°²óÈð;È, áãí°EÀ, °E³«;ã
0073 +. DC 06-B3 DR_REP_START
0074 + DC 01-32 DHU_X_VC4_ON
0075 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Á¹Ö, ;¼Ú)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°EÀ, Áá»ß;çXÁ+ççµ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°EÀ, Áá»ß;ã
0084 +. DC 06-B4 DR_REP_STOP
0085 + DC 01-29 DHU_S/X_VC4_OFF
0086 C. çç[HK1_REP_STA/STP] EQ STOP
0087 C. çç[HK1_S_VC4_ON/OFF] EQ OFF
0088 C. çç[HK1_X_VC4_ON/OFF] EQ OFF
0089 C.
0090 . C. ;ãXÁ+ççµ;OFF;ã
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 + DC 03-B5 TCIA_XPA_OFF
0094 C. çç[HK1_XMOD_ON/OFF] EQ OFF
0095 C. çç[HK1_XPA_ON/OFF] EQ OFF

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XRT_OGLIST_0487.chk

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*** OP Sequence for XRT ***

2009/04/02	11:17:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	01	00	00	00	00
2009/04/02	14:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	02	00	00	00	00
2009/04/02	14:30:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/02	14:43:30.0	XRT_Custom_430_OG [0x1ae]							
2009/04/02	14:44:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/02	16:03:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/02	16:33:00.0	XRT_Custom_430_OG [0x1ae]							
2009/04/02	16:34:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/02	17:03:40.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/02	17:06:40.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/02	17:06:42.0	XRT_QT_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2009/04/02	17:06:44.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/02	17:06:46.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/02	17:06:48.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/02	17:06:50.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/02	17:40:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/02	18:10:00.0	XRT_Custom_430_OG [0x1ae]							
2009/04/02	18:11:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/02	19:17:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/02	19:46:30.0	XRT_Custom_430_OG [0x1ae]							
2009/04/02	19:47:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/02	20:54:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/02	21:25:44.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/02	21:25:46.0	XRT_TCIB_XRT_S_HTR_A_DIS_417_OG [0x1a1]							
		TCIB_XRT_S_HTR_A_DIS	0	04-C0					
2009/04/03	05:53:54.0	XRT_CTRL_MANU_439_OG [0x1b7]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/03	05:54:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	00	00	00	00
2009/04/03	05:56:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/04/03	05:56:52.0	XRT_QT_PROG_SET_401_OG [0x191]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	13			
2009/04/03	05:56:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/03	05:56:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/03	05:56:58.0	XRT_ARS_DIS_418_OG [0x1a2]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/03	05:57:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/03	06:03:54.0	XRT_CTRL_MANU_448_OG [0x1c0]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/03	06:04:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00	2e	f9	2e	f9
2009/04/03	06:06:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/04/03	06:06:52.0	XRT_QT_PROG_SET_412_OG [0x19c]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	08			
2009/04/03	06:06:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/03	06:06:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/03	06:06:58.0	XRT_ARS_DIS_418_OG [0x1a2]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/03	06:07:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/03	06:14:54.0	XRT_CTRL_MANU_448_OG [0x1c0]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/03	06:15:00.0	AOCS_ORe-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00	2e	f9	d1	07
2009/04/03	06:17:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/04/03	06:17:52.0	XRT_QT_PROG_SET_408_OG [0x198]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	07			
2009/04/03	06:17:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/03	06:17:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/03	06:17:58.0	XRT_ARS_DIS_418_OG [0x1a2]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/03	06:18:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							

2009/04/03	06:24:54.0	XRT_CTRL_MANU_448_OG [0x1c0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/03	06:25:00.0	AOCS_OrE-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00 d1 07 2e f9				
2009/04/03	06:27:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/04/03	06:27:52.0	XRT_QT_PROG_SET_409_OG [0x199]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f				
2009/04/03	06:27:54.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/03	06:27:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/03	06:27:58.0	XRT_ARS_DIS_418_OG [0x1a2]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/03	06:28:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/03	06:34:54.0	XRT_CTRL_MANU_448_OG [0x1c0]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/03	06:35:00.0	AOCS_OrE-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00 d1 07 d1 07				
2009/04/03	06:37:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/04/03	06:37:52.0	XRT_QT_PROG_SET_413_OG [0x19d]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 04				
2009/04/03	06:37:54.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/03	06:37:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/03	06:37:58.0	XRT_ARS_DIS_418_OG [0x1a2]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/03	06:38:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/03	06:44:54.0	XRT_CTRL_MANU_448_OG [0x1c0]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/03	06:45:00.0	AOCS_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	02 00 00 00 00				
2009/04/03	06:47:32.0	XRT_FOCUS_POSITION_434_OG [0x1b2]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/03	06:47:52.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11				
2009/04/03	06:47:54.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/03	06:47:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/03	06:47:58.0	XRT_ARS_DIS_418_OG [0x1a2]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/03	06:48:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/03	12:55:54.0	XRT_CTRL_MANU_448_OG [0x1c0]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/03	12:58:32.0	XRT_FOCUS_POSITION_434_OG [0x1b2]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/03	12:58:52.0	XRT_QT_PROG_SET_424_OG [0x1a8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2009/04/03	12:58:54.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/03	12:58:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/03	12:58:58.0	XRT_ARS_DIS_418_OG [0x1a2]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/03	12:59:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/03	14:55:30.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/03	15:00:00.5	XRT_CTRL_MANU_448_OG [0x1c0]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/03	15:02:38.5	XRT_FOCUS_POSITION_434_OG [0x1b2]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/03	15:02:58.5	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11				
2009/04/03	15:03:00.5	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/03	15:03:02.5	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/03	15:03:04.5	XRT_ARS_DIS_418_OG [0x1a2]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/03	15:03:06.5	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/03	17:56:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/03	17:56:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/04/03	17:56:46.0	XRT_QT_PROG_SET_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10				
2009/04/03	17:56:48.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/03	17:56:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/03	17:56:52.0	XRT_ARS_DIS_410_OG [0x19a]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/03	17:57:00.0	AOCS_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00				

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2009/04/03	17:59:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/03	20:06:54.0	XRT_CTRL_MANU_448_OG [0x1c0]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/03	20:07:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	02 00 00 00 00				
2009/04/03	20:09:32.0	XRT_FOCUS_POSITION_434_OG [0x1b2]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/03	20:09:52.0	XRT_QT_PROG_SET_423_OG [0x1a7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11				
2009/04/03	20:09:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/03	20:09:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/03	20:09:58.0	XRT_ARS_DIS_418_OG [0x1a2]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/03	20:10:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/04	05:59:54.0	XRT_CTRL_MANU_439_OG [0x1b7]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/04	06:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/04/04	06:02:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/04/04	06:02:52.0	XRT_QT_PROG_SET_401_OG [0x191]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 13				
2009/04/04	06:02:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/04	06:02:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/04	06:02:58.0	XRT_ARS_DIS_418_OG [0x1a2]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/04	06:03:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/04	06:10:00.0	AOCS_ORe-point_Start_8_OG [0x09e]							
		AOCU_NM	5	02-76	04 00 00 00 00				
2009/04/04	10:54:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				