

XRT Timeline to be uploaded on 2008/06/17

Period: 2008/06/17 10:49:00 - 2008/06/21 10:03:00

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Normal mode

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XOB #155F: Axion_Study_no-AEC_Med-Be-12s												
Term	Pointing (x, y)		Comment									
06/17 11:38:00 - 06/17 17:37:30	Fixed (0.0, 0.0)	# OP start + 10min, Axion for XRT, sensitivity monitor for EIS									
PROG= 04 Inf.-time(s)												
└ Subr= 1	1-time(s)	2.0sec										
└└ Seqn= 12	25-time(s)	4.0sec										
└└└ med-Be/Open	med-Be/Open	close	Safe	Norm	11.3s	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
└ Subr= 2	1-time(s)	2.0sec										
└└ Seqn= 52	1-time(s)	4.0sec										
└└└ med-Be/Open	med-Be/Open	close	Safe	Dark	11.3s	Obs	8x8	2048x2048 (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 #1562: Synoptic Q90 2x2 - Al/mesh(256/2048) + Dark cal(512 Q98) + Ti-poly(512/5975) + G-band(16)												
Term	Pointing (x, y)		Comment									
06/17 18:23:30 - 06/17 18:31:24	Fixed (	0.0, 0.0)	synoptic, shifted 21.5 min									
06/18 05:55:00 - 06/18 06:02:54	Fixed (	0.0, 0.0)	synoptic, shifted -7.0 min									
06/18 18:02:00 - 06/18 18:09:54	Fixed (	0.0, 0.0)	synoptic									
06/19 06:24:00 - 06/19 06:31:54	Fixed (	0.0, 0.0)	synoptic, shifted 22.0 min									
PROG= 16 1-time(s)												
└ Subr= 1	1-time(s)	2.0sec										
└└ Seqn= 38	1-time(s)	4.0sec										
└└└ Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
└└└ Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
└└└ Seqn= 72	1-time(s)	2.0sec										
└└└└ Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└└└ Seqn= 64	1-time(s)	4.0sec										
└└└└ Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
└└└└ Open/Ti-poly	Open/thick-Al	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
└└└ Seqn= 46	1-time(s)	2.0sec										
└└└└ Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1564: AR multifilter - Al/mesh,Ti/Ploy,Al/Poly,Thin-Be FOV512 AEC1 Q95												
Term	Pointing (x, y)		Comment									
06/18 10:38:30 - 06/18 17:59:54	Track (	-625.3, -69.9)	# AR @ 06/18 06:03:00									
PROG= 08 Inf.-time(s)												
└ Subr= 1	1-time(s)	1200.0sec										
└└ Seqn= 89	1-time(s)	4.0sec										
└└└ Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	1x1	512x512 (1024, 1024)	Q=95	1	0	2.0sec
└└└ Open/Ti-poly	Open/thick-Al	close	Safe	Norm	11.3s	Obs	1x1	512x512 (1024, 1024)	Q=95	1	0	2.0sec
└└└ Al-poly/Open	thin-Be/Open	close	Safe	Norm	8.00s	Obs	1x1	512x512 (1024, 1024)	Q=95	1	0	2.0sec
└└└ thin-Be/Open	thin-Be/Open	close	Safe	Norm	22.6s	Obs	1x1	512x512 (1024, 1024)	Q=95	1	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1563: CCD Monitor During Bakeout - G-band + dark - wide FOV												
Term	Pointing (x, y)		Comment									
06/19 06:45:10 - 06/19 07:00:10	Track (	-440.9, -74.9)	# AR @ 06/19 06:32:00									
PROG= 19 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	

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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

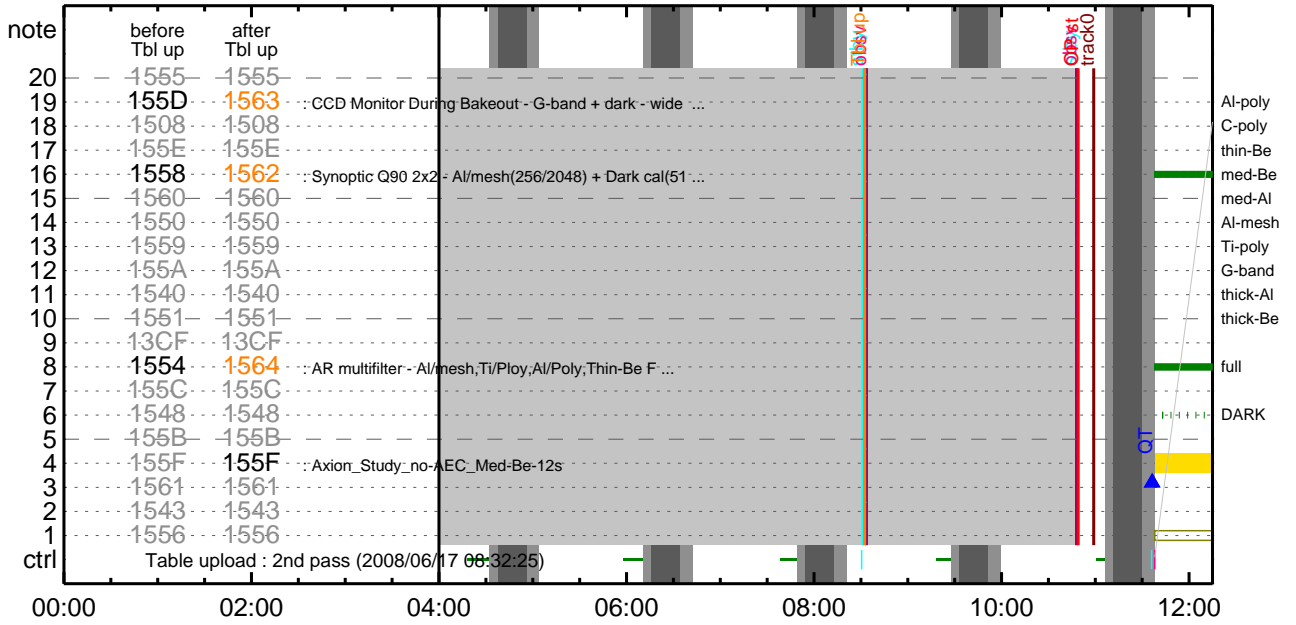
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Flare Detection

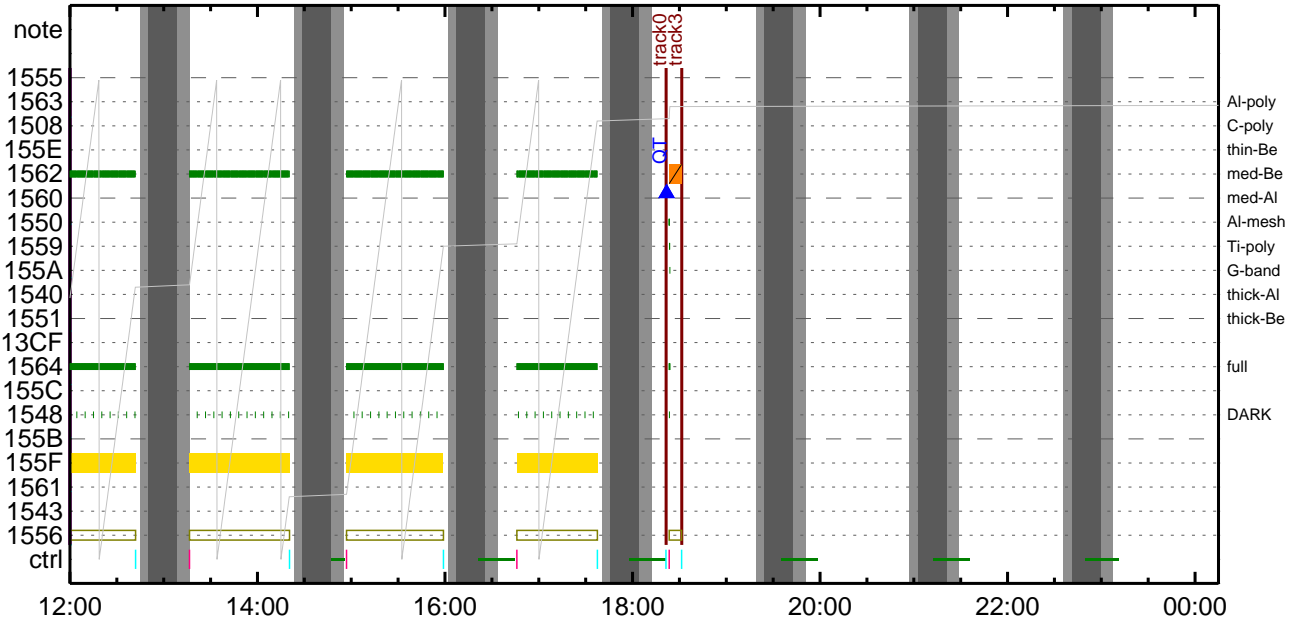
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NOT USED

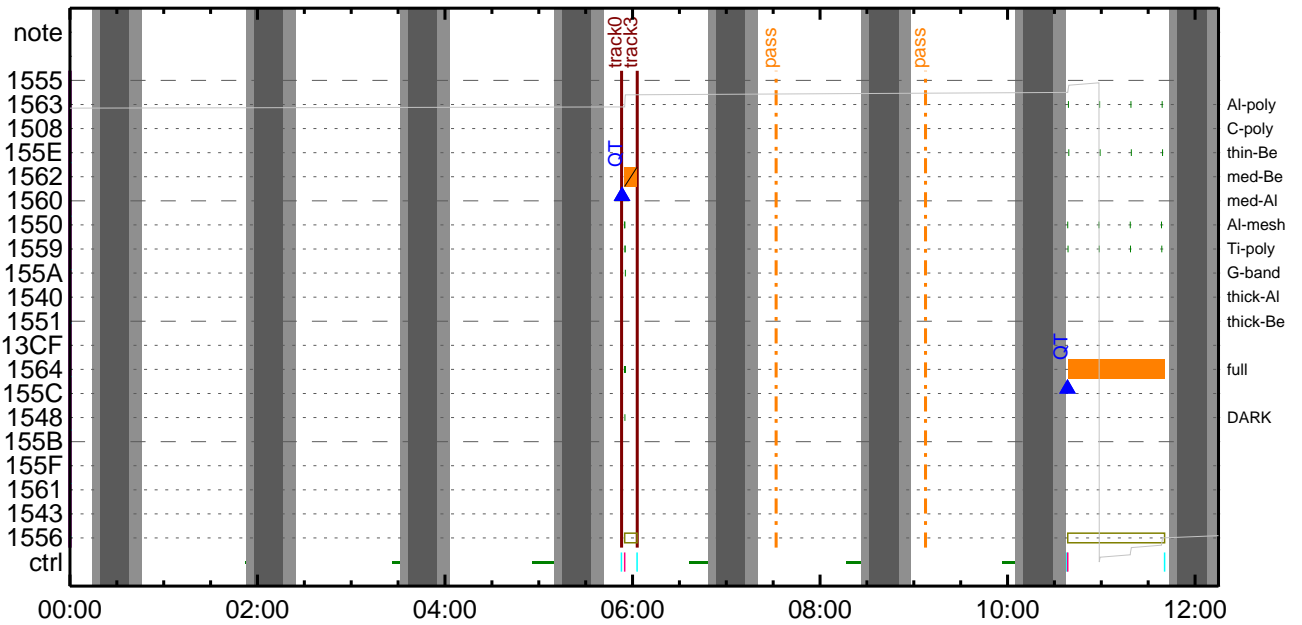
CMDI #0989 2008/06/17



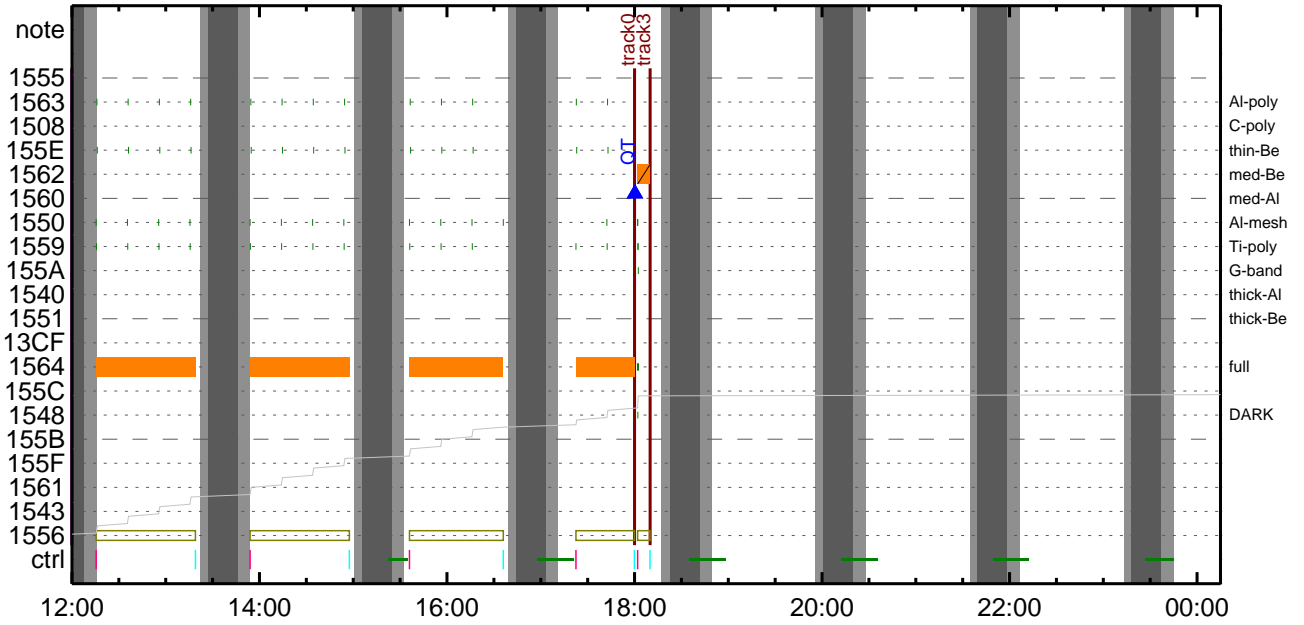
CMDI #0989 2008/06/17



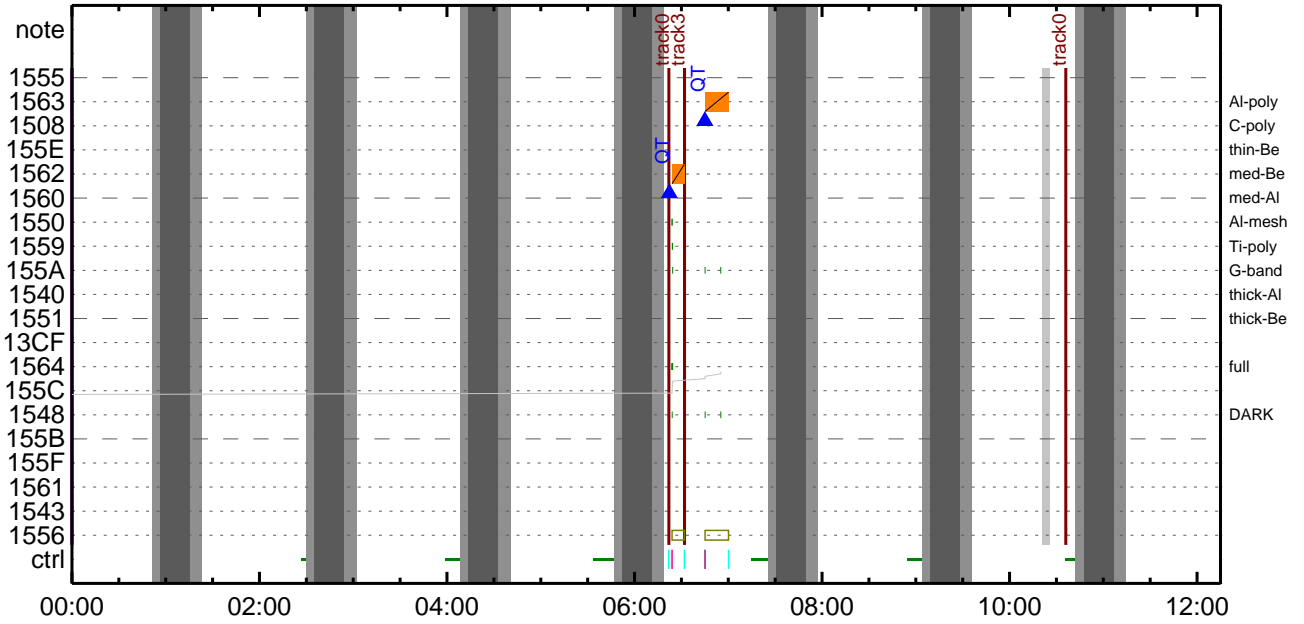
CMDI #0989 2008/06/18



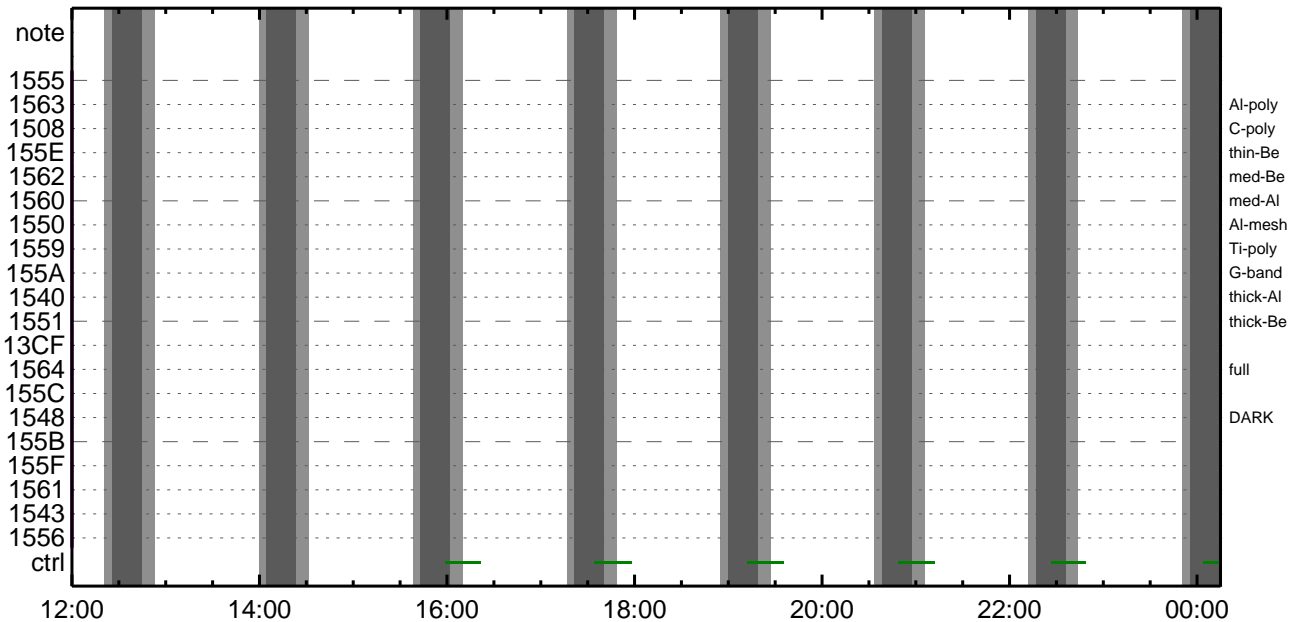
CMDI #0989 2008/06/18



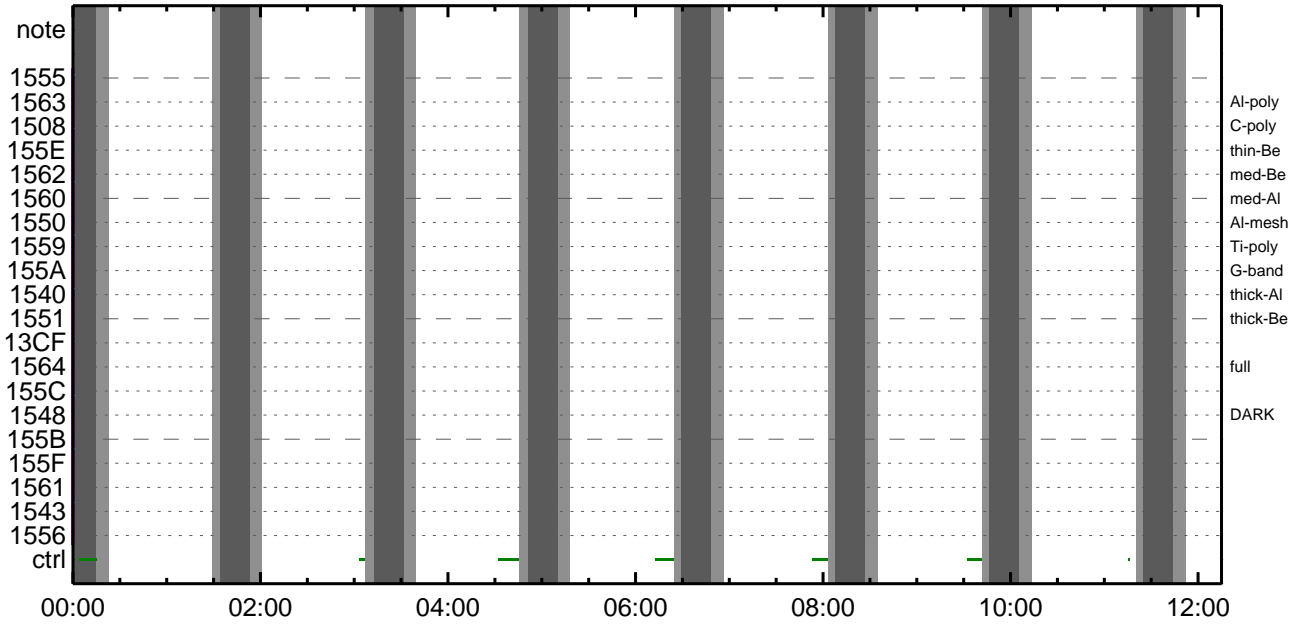
CMDI #0989 2008/06/19



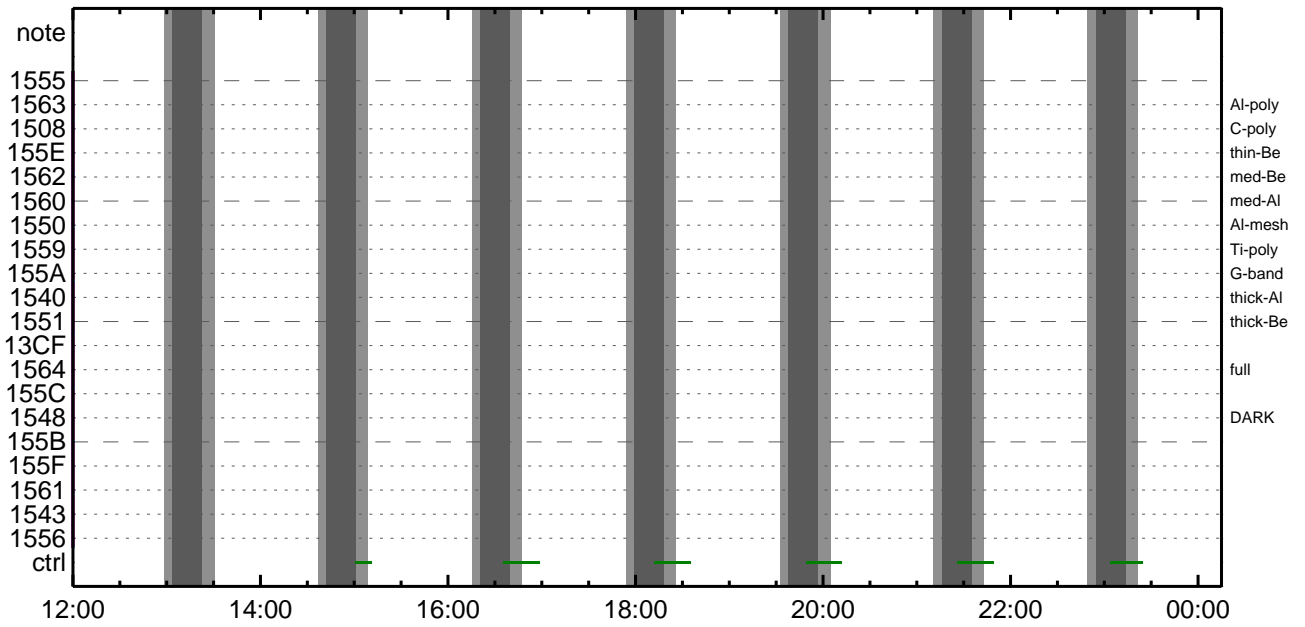
CMDI #0989 2008/06/19



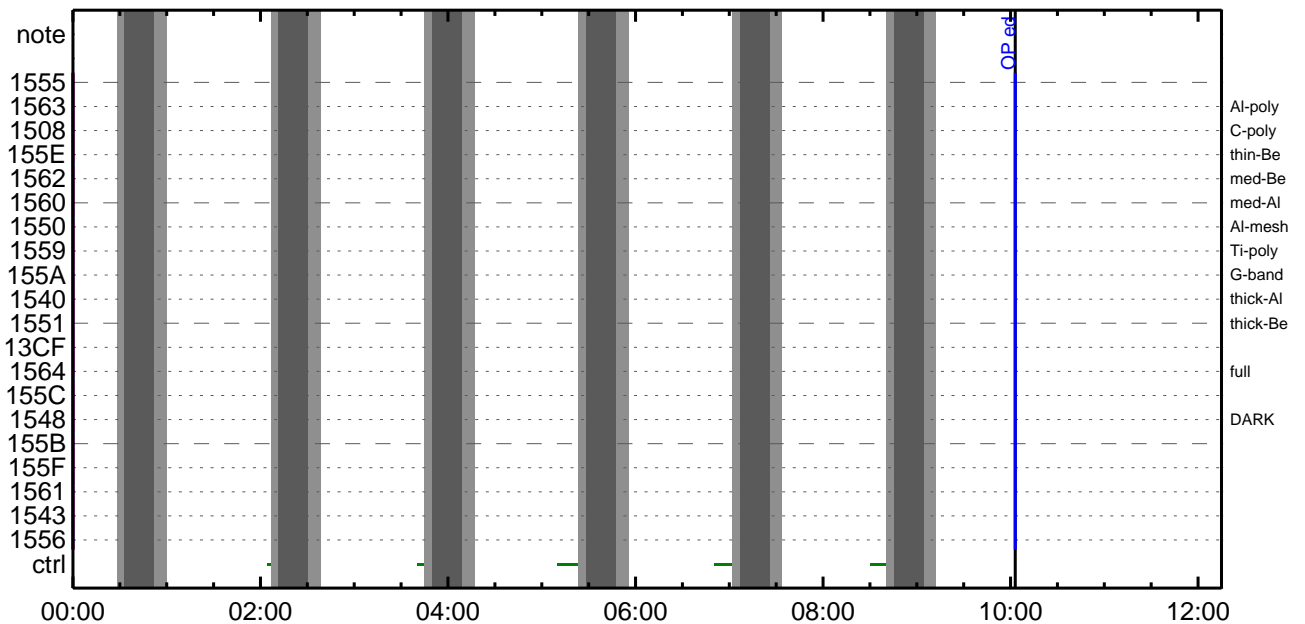
CMDI #0989 2008/06/20



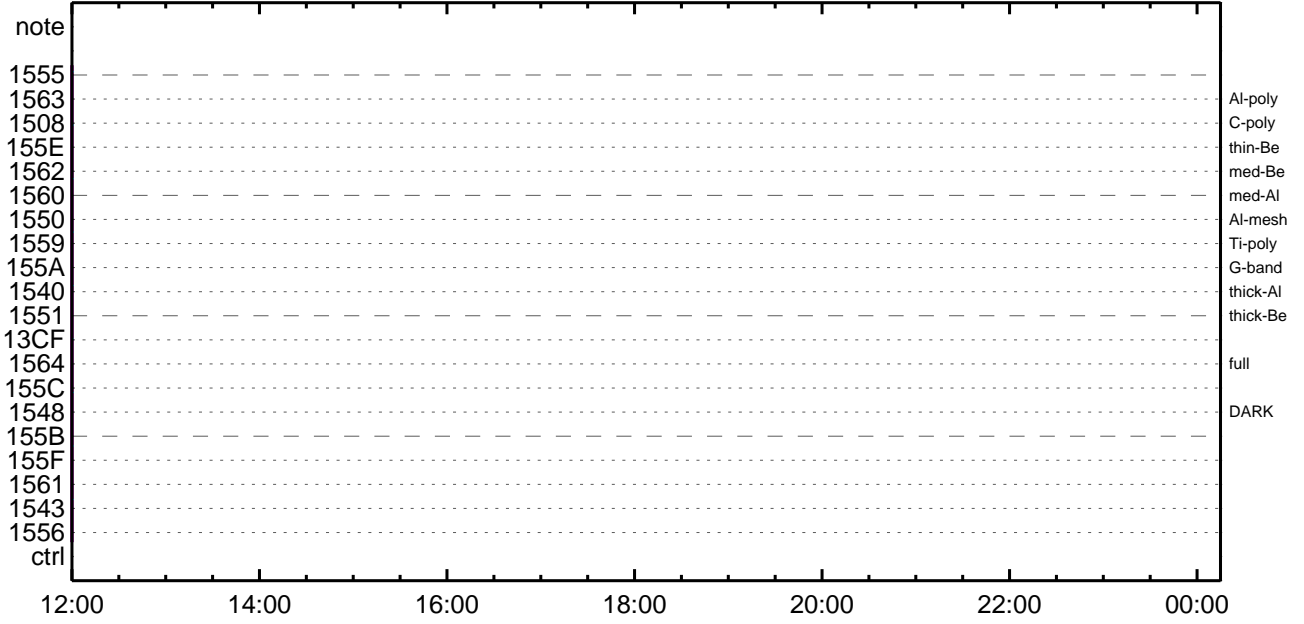
CMDI #0989 2008/06/20



CMDI #0989 2008/06/21



CMDI #0989 2008/06/21



(a) Spacecraft Operation Procedure (real-commands)

```
main-929 2008-06-17 13:08:32 205 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ä
0005 C.
0006 C. YÀYB;¼Y³YF¥ÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿¿Áâ•µ°Æ»Í×ÁÇ¿ÍYçYÁY×Yí;¼YÉ;ÈÈèµ•íÉ;ÈèÈ¼°ÇÖâ•µ¿¼l¹ç¿Í;çÀ®, ù¹âèâ¿çÁ+¿®â•µÈâââ³âÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OGYí;¼YÉ;|YÁYÖY×
0016 C. *****
0017 C.
0018 . C. ;ãOP/OGYí;¼YÉ;ä
0019 . S. OP op-929:OP
0020 ( )
0021 . S. OG og-929:OG
0022 ( )
0023 C.
0024 . C. ;ãNMOG&OPÍ°èYÁYÖY×;ä
0025 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027 BC (20 00 7f 01 02)
0028 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0029 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0030 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0031 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0032 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 C. çç[HK1_PKT_FORM_NO] EQ 7
0036 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0037 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0038 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0039 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0040 . C. YÁYÖY×¼ªª î»¿¿³ÍÇ§
0041 C. çç[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOG¿¿¿¿¿¹ç•è²¿OK¿¿³ÍÇ§
0043 C.
0044 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046 BC (20 80 7f 01 02)
0047 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0048 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0049 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0050 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0051 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 C. çç[HK1_PKT_FORM_NO] EQ 7
0055 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0056 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0057 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0058 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0059 . C. YÁYÖY×¼ªª î»¿¿³ÍÇ§
0060 C. çç[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOG¿¿¿¿¿¹ç•è²¿OK¿¿³ÍÇ§
0062 C.
0063 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065 BC (21 00 41 01 02)
0066 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0067 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0068 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0069 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0070 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 C. çç[HK1_PKT_FORM_NO] EQ 7
0074 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0075 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0076 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0077 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0078 . C. YÁYÖY×¼ªª î»¿¿³ÍÇ§
0079 C. çç[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG, RAM ID=OP¿¿¿¿¿¹ç•è²¿OK¿¿³ÍÇ§
0081 C.
0082 . C. ***** øÈ²¼¿¿¿¿¿¹ç•è²¿OK¿¿³ÍÇ§ *****
0083 C. DHUYâ;¼YÉ;ÈY¼;Yí;¼YÉ;È¿¿¿¿¿¹ç•è²¿OK¿¿³ÍÇ§ *****
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 C. çç[HK1_PKT_FORM_NO] EQ 2
0087 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0088 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0089 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0090 C.
0091 . C. *****
0092 C. TI-CMD SET (OPOG STOP/COPY/START)
0093 C. *****
0094 C.
0095 . C. NOTICE ;§ OPOG UPLOAD¿¿¿¿¿¹ç•è²¿OK¿¿³ÍÇ§;ç°È²¼¿¿¿¿¿¹ç•è²¿OK¿¿³ÍÇ§ *****
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0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥ÐŸ!•İ Daily±;İÑøĒ'Øσ¹αēDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ã
0203 C.
0204 . C. ***** LOS *****
0205 C.
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0096 C.
0097 C.
0098 C.
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 20 20)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 07 80 80 08 08)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 08 80 80 20 04)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 0f 80 80 06 06)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 10 80 80 04 04)
0134 . C. ----- Success Verify ? OK / NG ____
0135 C.
0136 C.
0137 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0138 C.
0139 +. DC 07-F0 MDP_XRT_MODE_OBSV
0140 BC (c2)
0141 +. TI 2008-06-17 10:48:02.0
0142 DC 07-F0 MDP_XRT_MODE_OBSV
0143 BC (c2)
0144 . C. ----- Success Verify ? OK / NG ____
0145 C.
0146 C. ***** XRT END *****
0147 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0148 C. Upload the Orbit Element and the Target Attitude
0149 C. RAM-ID:TARGET_ATT
0150 . S. RAM ram-150:TARGET_ATT
0151 ( )
0152 C.
0153 C.
0154 C. Set the dump memory area of TARGET_ATT
0155 +. DC 02-48 AOCU_DUMP_SET
0156 BC (07 00 00 00 18 00)
0157 C.
0158 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0159 C.
0160 C.
0161 C. Change the TLMFormatNo for the AOCs Dump Format
0162 +. DC 01-22 DHU_MODE_CHNG
0163 BC (04 0b f8)
0164 C.
0165 C. Wait for AOCSDUMP to end
0166 C.
0167 . C. Check the dump memory
0168 C.
0169 C. Result = OK [ ]
0170 C.
0171 +. DC 01-22 DHU_MODE_CHNG
0172 BC (02 0a f8)
0173 C.
0174 C. <A_***>[TLM STS] FMT = 2 [ ]
0175 C.
0176 +. DC 02-8E AOCU_ORB_UPD
0177 . C.
0178 . C. ***** AOCs Commands (Orbital Element Update) *****
0179 C. Update the orbital element
0180 +. DC 02-50 AOCU_ORB_PRPGT_START
0181 BC (16)
0182 +. DC 02-8E AOCU_ORB_UPD
0183 C.
0184 C. <A_ORB>[ORBIT] EPC = 4029391.6 +- 1.0 (s) [ ]
0185 C.
0186 C.
0187 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0188 +. DC 07-FC EIS_MODE_MANU
0189 BC (21 02)
0190 . C. Verify EIS in MANUAL mode
0191 . C. Estimated OBSTBL upload time is 16s
0192 C. *****
0193 C. EIS START OBSTBL LOAD

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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-263: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. ¥çYÃ¥×¥í;¼¥ÉñîÁ°ñÈSTS_CHKñðOFFñÈñ¹ñè
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_CHKñðONñÈñ¹ñè
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 2008-06-17 10:48:18.0
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. ***** MDP ´úÃîñî»ð¼YñÈÁðñ¹ñèDCBC•x²è *****
0156 C. (¼ã°îYÓYÃYÈY¥YÈYáYçYèñÈ¼ñ¼Á»Ûñ¹ñè)
0157 . S. DC-BC dcbc-402:DCBC
0158 (MDP_known_event)
0159 C.
0160 C.
0161 . C. ***** ¥D¥¹•İ Daily±¿İÑñÈ´Øñ¹ñèDCBC•x²è *****
0162 . S. DC-BC dcbc-153:DCBC
0163 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0164 C.
0165 C.
0166 . C. ;ãLOS¥Á¥S¥Ã¥¹¼Á»Û;ã
0167 C.
0168 . C. ***** LOS *****
0169 C.

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Jun 17, 08 13:09

XRT_OGLIST_0989.chk

Page 1/2

*** OP Sequence for XRT ***

2008/06/17	10:59:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00	00	00	00	00
2008/06/17	11:36:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/17	11:36:02.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2008/06/17	11:36:22.0	XRT_QT_PROG_SET_446_OG [0x1be]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	04			
2008/06/17	11:36:24.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/06/17	11:36:26.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/06/17	11:36:28.0	XRT_ARS_DIS_437_OG [0x1b5]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/06/17	11:38:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/17	12:42:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/17	13:08:30.0	XRT_Custom_421_OG [0x1a5]							
2008/06/17	13:16:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/17	14:20:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/17	14:56:00.0	XRT_Custom_430_OG [0x1ae]							
2008/06/17	14:57:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/17	15:59:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/17	16:45:00.0	XRT_Custom_430_OG [0x1ae]							
2008/06/17	16:46:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/17	17:37:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/17	18:21:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/17	18:21:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2008/06/17	18:21:30.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00	00	00	00	00
2008/06/17	18:21:46.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	10			
2008/06/17	18:21:48.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/06/17	18:21:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/06/17	18:21:52.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/06/17	18:23:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/17	18:31:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/17	18:31:30.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	03	00	00	00	00
2008/06/18	05:52:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/18	05:52:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2008/06/18	05:53:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00	00	00	00	00
2008/06/18	05:53:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	10			
2008/06/18	05:53:18.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/06/18	05:53:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/06/18	05:53:22.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/06/18	05:55:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/18	06:02:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/18	06:03:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	03	00	00	00	00
2008/06/18	10:38:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/18	10:38:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2008/06/18	10:38:22.0	XRT_QT_PROG_SET_412_OG [0x19c]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	08			
2008/06/18	10:38:24.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/06/18	10:38:26.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/06/18	10:38:28.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/06/18	10:38:30.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/06/18	11:40:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/06/18	12:07:30.0	XRT_Custom_421_OG [0x1a5]							
2008/06/18	12:15:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							

Jun 17, 08 13:09

XRT_OGLIST_0989.chk

Page 2/2

2008/06/18	13:19:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/18	13:46:00.0	XRT_Custom_421_OG [0x1a5]					
2008/06/18	13:54:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/06/18	14:57:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/18	15:35:00.0	XRT_Custom_430_OG [0x1ae]					
2008/06/18	15:36:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/06/18	16:36:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/18	17:21:30.0	XRT_Custom_430_OG [0x1ae]					
2008/06/18	17:22:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/06/18	17:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/18	17:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2008/06/18	18:00:00.0	AOCS_OrE-point_Start_1_OG [0x097]					
			AOCU_NM	5	02-76	00 00 00 00 00	
2008/06/18	18:00:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]					
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 10	
2008/06/18	18:00:18.0	XRT_FLD_DIS_419_OG [0x1a3]					
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2008/06/18	18:00:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2008/06/18	18:00:22.0	XRT_ARS_DIS_427_OG [0x1ab]					
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2008/06/18	18:02:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/06/18	18:09:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/18	18:10:00.0	AOCS_OrE-point_Start_2_OG [0x098]					
			AOCU_NM	5	02-76	03 00 00 00 00	
2008/06/19	06:21:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/19	06:21:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2008/06/19	06:22:00.0	AOCS_OrE-point_Start_1_OG [0x097]					
			AOCU_NM	5	02-76	00 00 00 00 00	
2008/06/19	06:22:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]					
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 10	
2008/06/19	06:22:18.0	XRT_FLD_DIS_419_OG [0x1a3]					
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2008/06/19	06:22:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2008/06/19	06:22:22.0	XRT_ARS_DIS_427_OG [0x1ab]					
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2008/06/19	06:24:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/06/19	06:31:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/19	06:32:00.0	AOCS_OrE-point_Start_2_OG [0x098]					
			AOCU_NM	5	02-76	03 00 00 00 00	
2008/06/19	06:45:00.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/19	06:45:02.0	XRT_QT_PROG_SET_438_OG [0x1b6]					
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 13	
2008/06/19	06:45:04.0	XRT_ARS_DIS_422_OG [0x1a6]					
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2008/06/19	06:45:06.0	XRT_FLD_DIS_445_OG [0x1bd]					
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2008/06/19	06:45:08.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2008/06/19	06:45:10.0	XRT_CTRL_AUTO_406_OG [0x196]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2008/06/19	07:00:10.0	XRT_CTRL_MANU_428_OG [0x1ac]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2008/06/19	10:36:00.0	AOCS_OrE-point_Start_1_OG [0x097]					
			AOCU_NM	5	02-76	00 00 00 00 00	