

XRT Timeline to be uploaded on 2010/06/21

Period: 2010/06/21 09:43:00 - 2010/06/25 09:30:00

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Normal mode

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XOB #17D8: AR Dynamics- Ti/Poly (AEC1) Q95 - Context G-band - 384FOV - 5min cadence												
Term	Pointing (x, y)				Comment							
06/21 09:56:00 - 06/21 18:05:24	Track (147.9, 401.5) ^{Ⓜ 06/21 09:53:00}				# OP start + 10min, observe AR 11082.							
06/21 18:18:30 - 06/21 23:39:30	Track (212.5, 401.3) ^{Ⓜ 06/21 18:15:30}				# Cont.							
PROG= 19 Inf.-time(s)												
└─ Subr= 1 1-time(s) 30.0sec												
└─┬─ Seqn= 28 1-time(s) 30.0sec												
└─┬─┬─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec												
└─┬─ Subr= 2 30-time(s) 300.0sec												
└─┬─┬─ Seqn= 32 1-time(s) 2.0sec												
└─┬─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Norm 250ms Obs 1x1 384x384 (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 #17B9: Synoptic Q95 2x2 - Al/mesh(16/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(33/2048) + G-band(16)												
Term	Pointing (x, y)				Comment							
06/21 18:10:00 - 06/21 18:15:24	Fixed (0.0, 0.0)				synoptic, shifted 5.5 min							
06/22 05:39:30 - 06/22 05:46:24	Fixed (0.0, 0.0)				synoptic, shifted -23.5 min							
06/22 18:29:00 - 06/22 18:35:54	Fixed (0.0, 0.0)				synoptic, shifted 26.0 min							
06/23 06:01:00 - 06/23 06:07:54	Fixed (0.0, 0.0)				synoptic, shifted -2.0 min							
PROG= 03 1-time(s)												
└─ Subr= 1 1-time(s) 12.0sec												
└─┬─ Seqn= 7 1-time(s) 4.0sec												
└─┬─┬─ Open/Al-mesh Open/Al-mesh close Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─┬─┬─ Open/Al-mesh Open/Al-mesh close Safe Norm 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─┬─ Seqn= 5 1-time(s) 2.0sec												
└─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec												
└─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec												
└─┬─ Seqn= 8 1-time(s) 4.0sec												
└─┬─┬─ Open/Ti-poly Open/Ti-poly close Safe Norm 32ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─┬─┬─ Open/Ti-poly Open/Ti-poly close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─┬─ Seqn= 4 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 #17D7: AR Dynamics Ti-poly (AEC1), Context Al/mesh (AEC1) Thick-Al fixed 32s Thick-Be fixed 46s, G-band - 512FOV - 1min cadence												
Term	Pointing (x, y)				Comment							
06/22 00:10:06 - 06/22 05:36:24	Track (256.1, 401.3) ^{Ⓜ 06/22 00:00:00}				* HOP 162 Summer AR11082							
06/22 05:49:30 - 06/22 12:47:00	Track (299.2, 401.4) ^{Ⓜ 06/22 05:46:30}				# Cont.							
06/22 18:39:00 - 06/22 22:38:00	Track (391.5, 401.8) ^{Ⓜ 06/22 18:36:00}				# HOP 162, AR 11082 obs, with SUMER.							
06/23 06:11:00 - 06/23 10:02:30	Track (469.7, 402.5) ^{Ⓜ 06/23 06:08:00}				# AR11082 tracking							
PROG= 18 Inf.-time(s)												
└─ Subr= 1 1-time(s) 30.0sec												
└─┬─ Seqn= 1 1-time(s) 30.0sec												
└─┬─┬─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 512x512 (1024, 1024) Q=98 0 0 2.0sec												
└─┬─ Seqn= 35 1-time(s) 40.0sec												
└─┬─┬─ Open/Al-mesh Open/Ti-poly close Safe Norm 125ms Obs 1x1 512x512 (1024, 1024) Q=92 1 0 2.0sec												
└─┬─┬─ Open/thick-Al Open/thick-Al close Safe Norm 32.0s Obs 1x1 512x512 (1024, 1024) Q=92 0 0 2.0sec												
└─┬─┬─ Open/thick-Be Open/thick-Be close Safe Norm 45.2s Obs 1x1 512x512 (1024, 1024) Q=92 0 0 2.0sec												
└─ Subr= 2 15-time(s) 60.0sec												
└─┬─ Seqn= 34 1-time(s) 2.0sec												
└─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Norm 500ms 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 #17B8: Coronal cavity Al/mesh, Ti/poly, G-band-DPCM 2x2-768X768-FOV -AEC2-3min cadence												
Term	Pointing (x, y)				Comment							
06/22 13:18:06 - 06/22 17:42:30	Fixed (460.0, 780.0)				* HOP 73, prominenece obs, with SUMER.							
PROG= 16 Inf.-time(s)												
└─ Subr= 2 1-time(s) 2.0sec												
└─┬─ Seqn= 31 1-time(s) 2.0sec												
└─┬─┬─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 512x512 (1152, 1152) Q=95 0 0 2.0sec												
└─ Subr= 1 20-time(s) 180.0sec												
└─┬─ Seqn= 30 1-time(s) 2.0sec												
└─┬─┬─ Open/Al-mesh Open/Ti-poly close Safe Norm 1.00s Obs 2x2 768x768 (1152, 1152) DPCM 2 0 2.0sec												
└─┬─ Seqn= 29 1-time(s) 2.0sec												
└─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Norm 4.00s Obs 2x2 768x768 (1152, 1152) DPCM 2 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #17D6: AR loops oscillations - Al/mesh (AEC1),Thick/Al (fixed 32s), G-band Context FOV 384x512 Q95 (1min)												
Term	Pointing (x, y)		Comment									
06/22 23:15:36 - 06/23 05:57:54	Fixed (-903.0, 210.0)		HOP161 AR loop									
PROG= 17 1-time(s)												
└─ Subr= 2 1-time(s) 2.0sec												
└─┬─ Seqn= 1 1-time(s) 2.0sec												
└─┬─┬─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 512x512 (1024, 1024) Q=98 0 0 2.0sec												
└─┬─ Subr= 1 60-time(s) 60.0sec												
└─┬─┬─ Seqn= 33 1-time(s) 4.0sec												
└─┬─┬─┬─ Open/Al-mesh Open/Ti-poly close Safe Norm 250ms Obs 1x1 384x512 (1024, 1024) Q=95 1 0 2.0sec												
└─┬─┬─┬─ Open/thick-Al Open/thick-Al close Safe Norm 32.0s Obs 1x1 384x512 (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												

* * * * * **Flare mode** * * * * *

XOB #1776: Flare Response short exp at first- Dynamics - Thick-Al - Thick-Be - AEC 1 - 384x384 - Q95												
Term	Pointing (x, y)		Comment									
06/21 09:56:00 - 06/21 18:05:24	Track (147.9, 401.5) ^{Ⓜ 06/21 09:53:00}		# OP start + 10min, observe AR 11082.									
06/21 18:18:30 - 06/21 23:39:30	Track (212.5, 401.3) ^{Ⓜ 06/21 18:15:30}		# Cont.									
06/22 00:10:06 - 06/22 05:36:24	Track (256.1, 401.3) ^{Ⓜ 06/22 00:00:00}		* HOP 162 Summer AR11082									
06/22 05:49:30 - 06/22 12:47:00	Track (299.2, 401.4) ^{Ⓜ 06/22 05:46:30}		# Cont.									
06/22 13:18:06 - 06/22 17:42:30	Fixed (460.0, 780.0)		* HOP 73, prominece obs, with SUMER.									
06/22 18:39:00 - 06/22 22:38:00	Track (391.5, 401.8) ^{Ⓜ 06/22 18:36:00}		# HOP 162, AR 11082 obs, with SUMER.									
06/22 23:15:36 - 06/23 05:57:54	Fixed (-903.0, 210.0)		HOP161 AR loop									
06/23 06:11:00 - 06/23 10:02:30	Track (469.7, 402.5) ^{Ⓜ 06/23 06:08:00}		# AR11082 tracking									
PROG= 01 1-time(s)												
└─ Subr= 1 2-time(s) 2.0sec												
└─┬─ Seqn= 9 15-time(s) 20.0sec												
└─┬─┬─ Open/thick-Al Open/thick-Al close Safe Norm 250ms Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec												
└─┬─┬─ Open/thick-Be Open/thick-Be close Safe Norm 2.00s Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec												
└─┬─ Seqn= 2 1-time(s) 4.0sec												
└─┬─┬─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec												
└─ Subr= 2 8-time(s) 2.0sec												
└─┬─ Seqn= 9 15-time(s) 60.0sec												
└─┬─┬─ Open/thick-Al Open/thick-Al close Safe Norm 250ms Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec												
└─┬─┬─ Open/thick-Be Open/thick-Be close Safe Norm 2.00s Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec												
└─┬─ Seqn= 2 1-time(s) 4.0sec												
└─┬─┬─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec												
└─ Subr= 3 25-time(s) 2.0sec												
└─┬─ Seqn= 9 1-time(s) 600.0sec												
└─┬─┬─ Open/thick-Al Open/thick-Al close Safe Norm 250ms Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec												
└─┬─┬─ Open/thick-Be Open/thick-Be close Safe Norm 2.00s Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec												
└─┬─ Seqn= 2 1-time(s) 4.0sec												
└─┬─┬─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 384x384 (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												

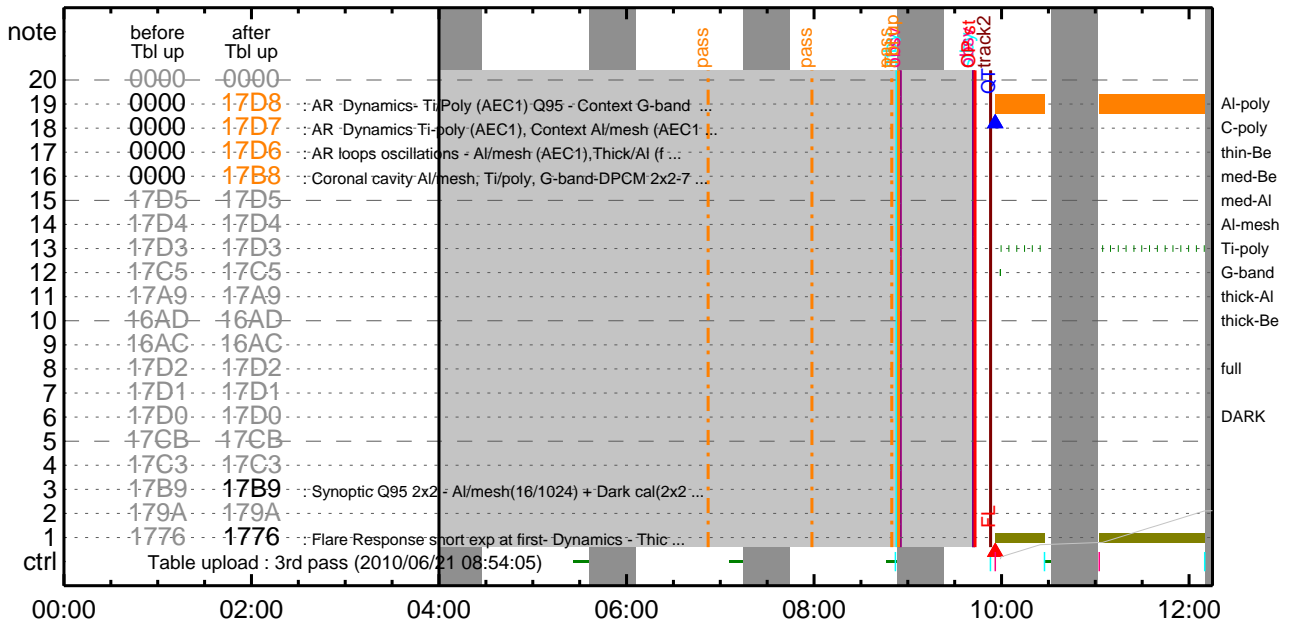
* * * * * **Active Region Search** * * * * *

NOT USED

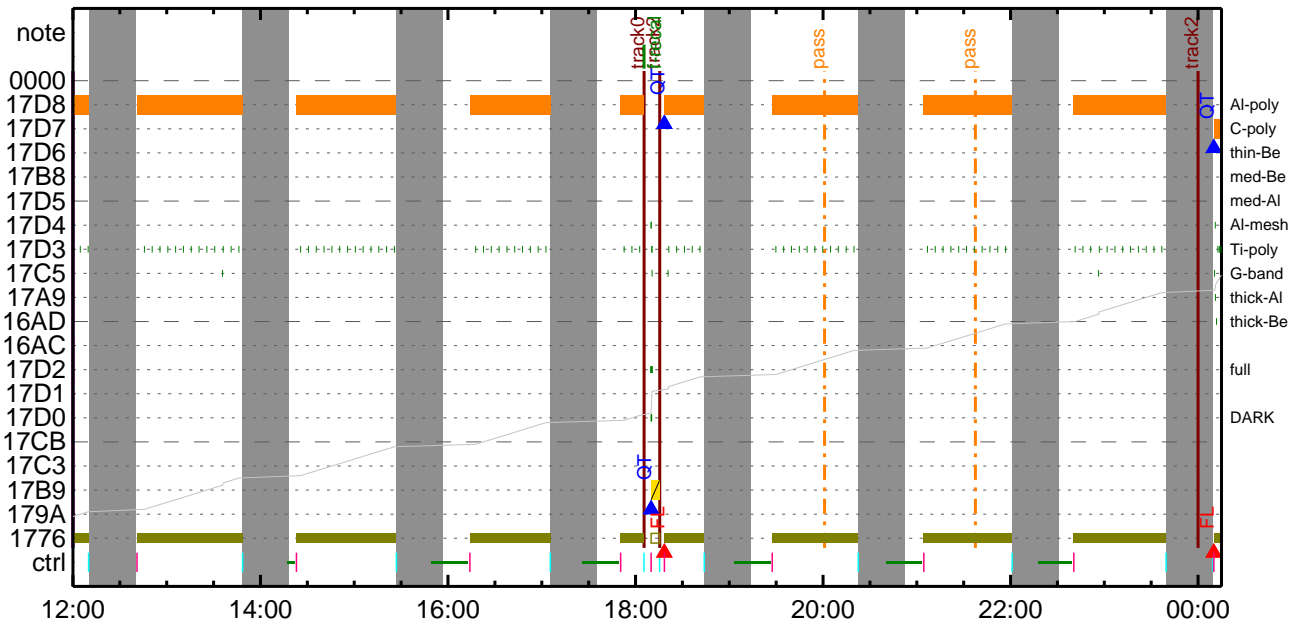
* * * * * **Flare Detection** * * * * *

FLD Patrol												
Term	Pointing (x, y)		Comment									
06/21 09:53:18 - 06/21 18:09:46	Track (147.9, 401.5) ^{Ⓜ 06/21 09:53:00}		# OP start + 10min, observe AR 11082.									
06/21 18:15:48 - 06/22 05:36:46	Track (212.5, 401.3) ^{Ⓜ 06/21 18:15:30}		# Cont.									
06/22 05:46:48 - 06/22 18:26:16	Track (299.2, 401.4) ^{Ⓜ 06/22 05:46:30}		# Cont.									
06/22 18:36:18 - 06/23 05:58:16	Track (391.5, 401.8) ^{Ⓜ 06/22 18:36:00}		# HOP 162, AR 11082 obs, with SUMER.									
06/23 06:08:18 - 06/25 09:30:00	Track (469.7, 402.5) ^{Ⓜ 06/23 06:08:00}		# AR11082 tracking									
└─ Open/Ti-poly Open/thick-Al close Safe Norm 8ms Obs 8x8 Q=50 30sec												
└─ Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

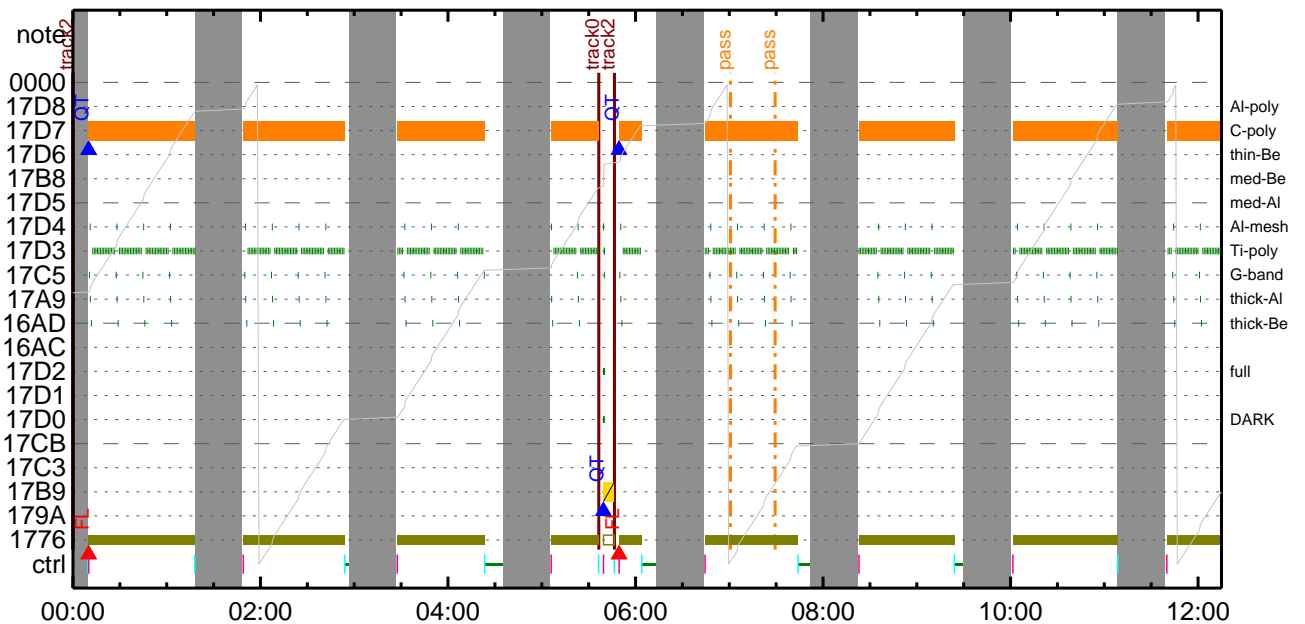
CMDI #0327 2010/06/21



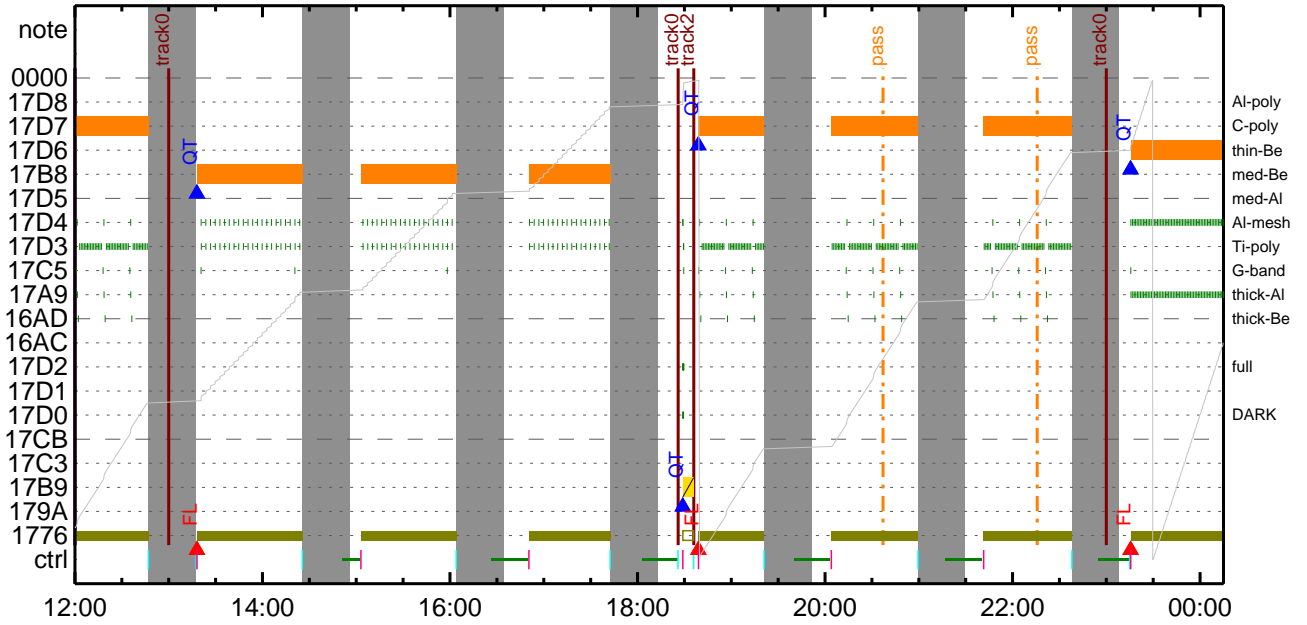
CMDI #0327 2010/06/21



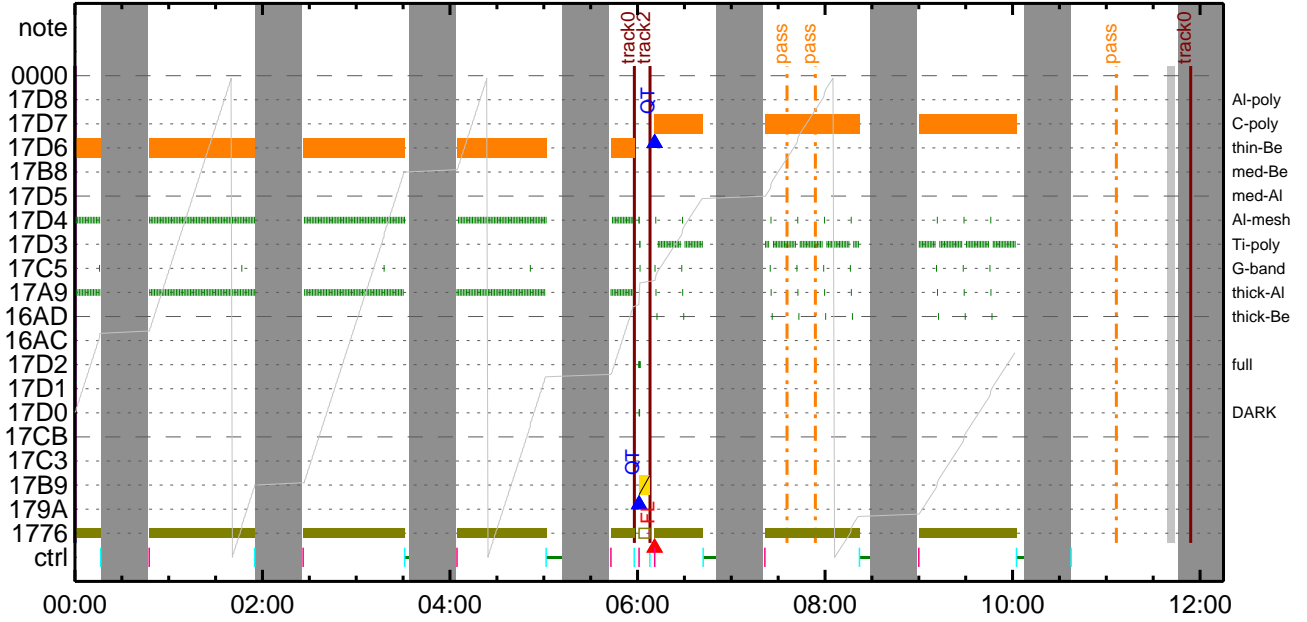
CMDI #0327 2010/06/22



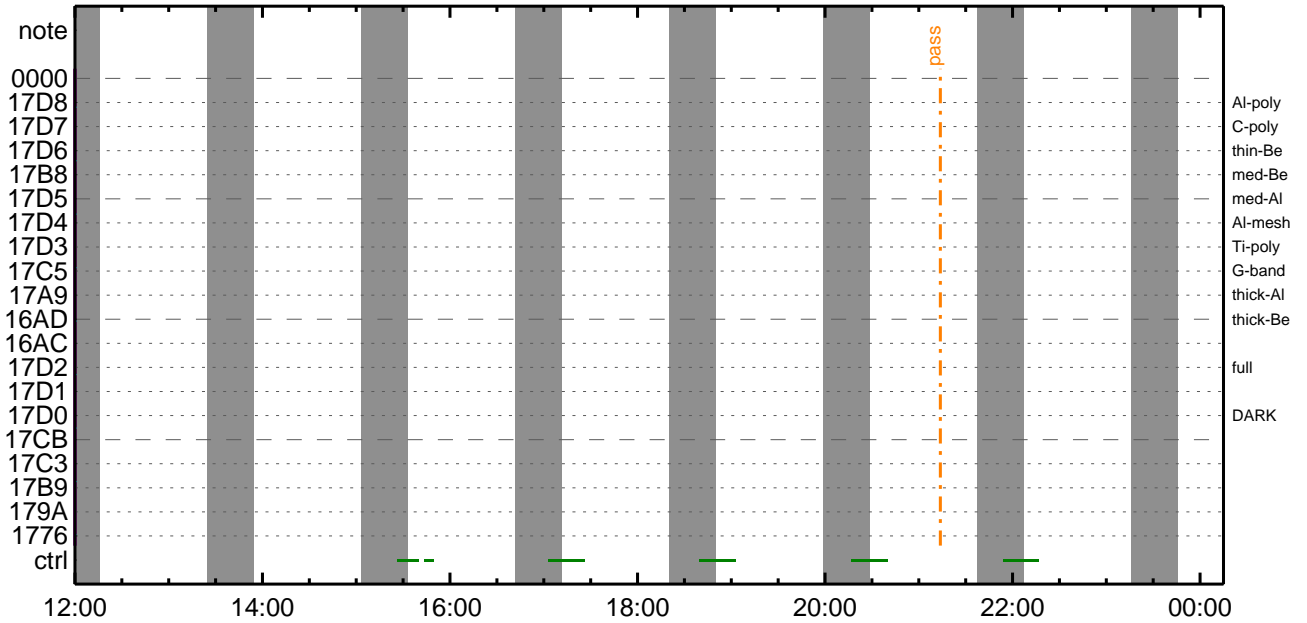
CMDI #0327 2010/06/22



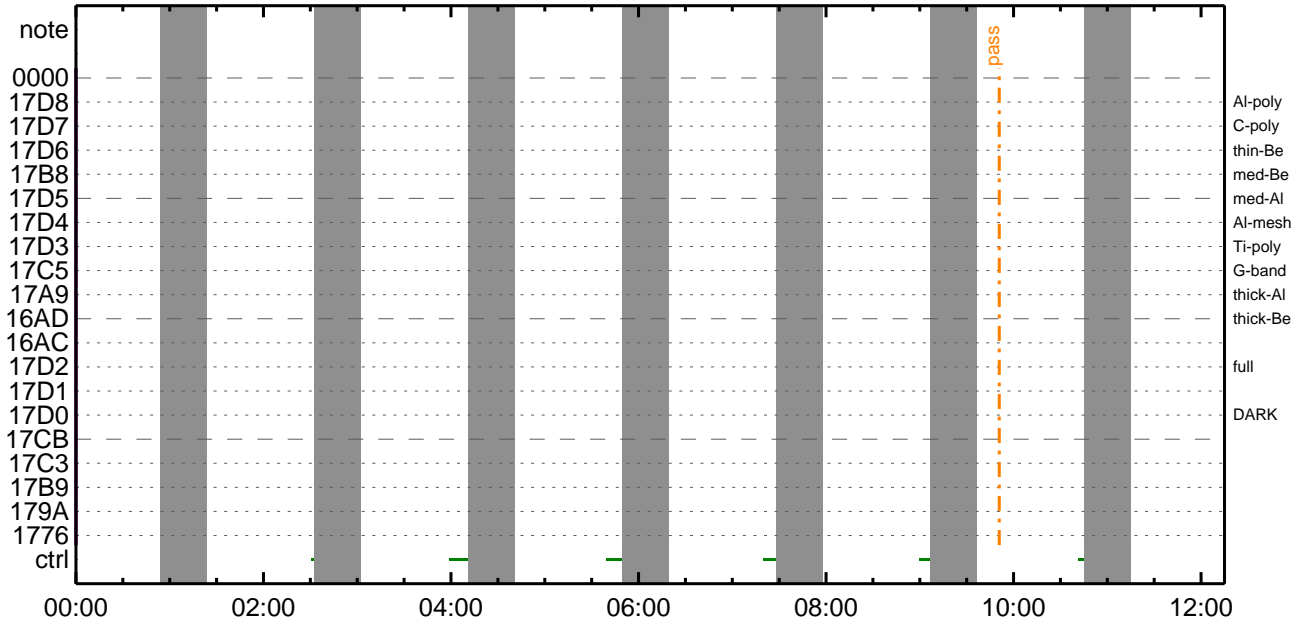
CMDI #0327 2010/06/23



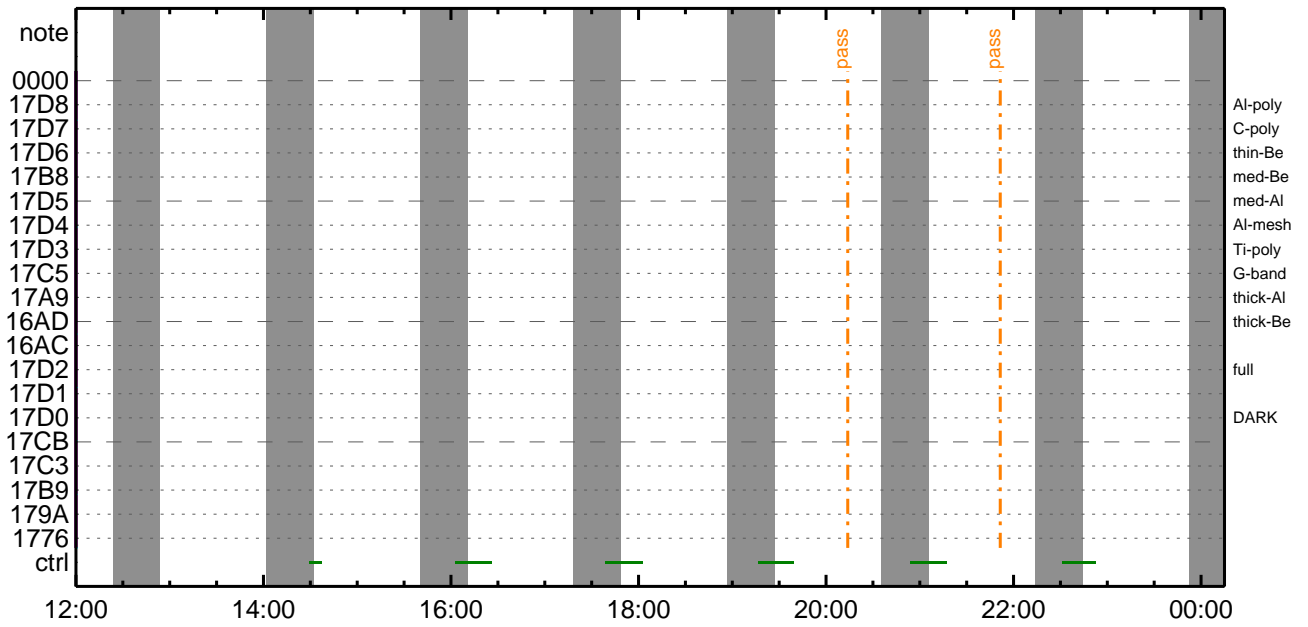
CMDI #0327 2010/06/23



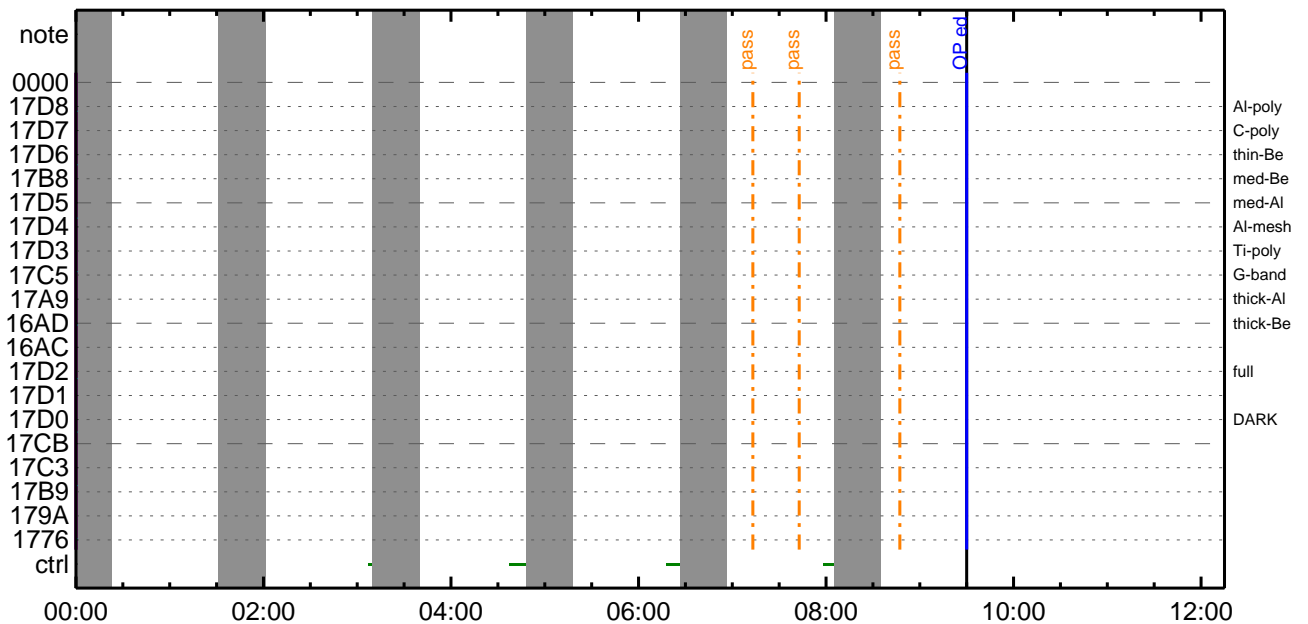
CMDI #0327 2010/06/24



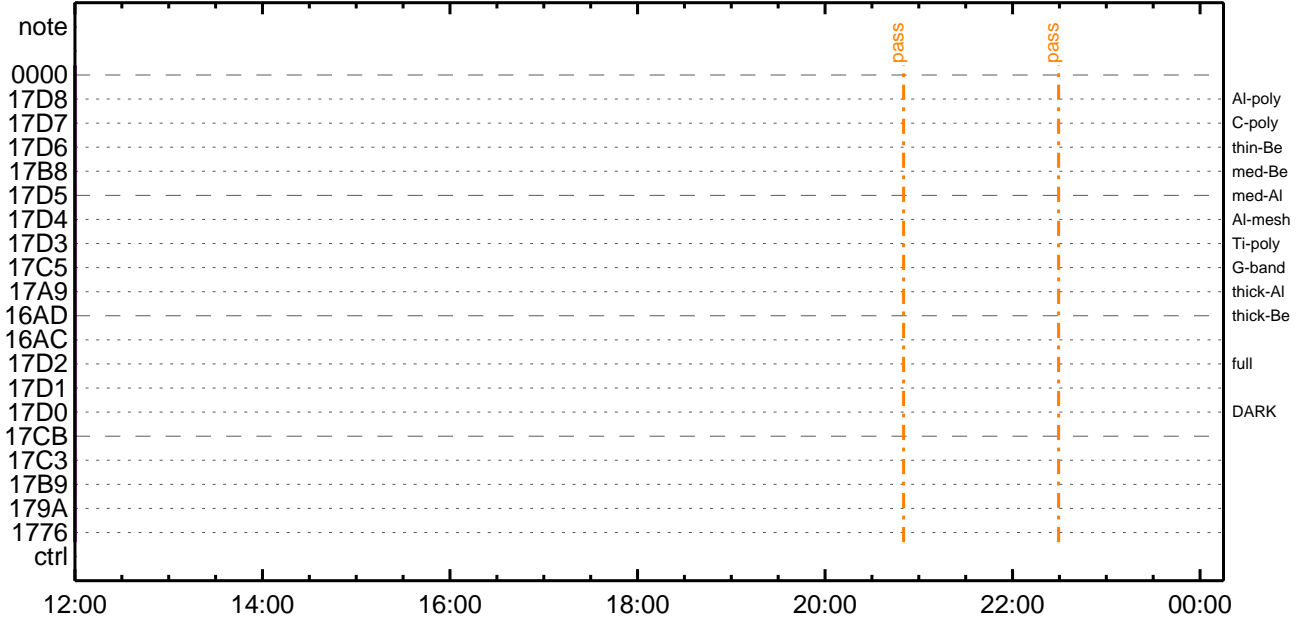
CMDI #0327 2010/06/24



CMDI #0327 2010/06/25



CMDI #0327 2010/06/25



(a) Spacecraft Operation Procedure (real-commands)

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main-421 2010-06-21 13:31:49 194 33 SOLAR-B MAIN //
0001 . C.
0002 . C. ***** AOS *****
0003 . C.
0004 . C. ;ãAOSYÁY$YÁY-¼Ä»Û;ä
0005 . C.
0006 . C. YÀY$;¼Y³YFYóYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 . C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 . C. Áí;Èò¿òÄò•µ°È»Í×ÁÇòíYçYÁY×Yí;¼YÉ;ÈÈèµ•íÉ;ÈòÈ¼°ÇÓò•ò¿¼í¹çòÍ;çÄ®, ùò¹òèòòòçÁ+¿®ò•òÈòòò³òÈ;é
0011 +. DC 02-8E AOCU_ORB_UPD
0012 . C.
0013 . C.
0014 . C. *****
0015 . C. OP/OGYí;¼YÉ;|YÁYóY×
0016 . C. *****
0017 . C.
0018 . C. ;ãOP/OGYí;¼YÉ;ä
0019 . S. OP op-421:OP
0020 . C.
0021 . S. OG og-421:OG
0022 . C.
0023 . C.
0024 . C. ;ãNMOG&OPí°èYÁYóY×;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. YÀYóY×¼ªª î»òð³îç§
0041 . C. çç[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOGòí¼È¹ç•è²ïOKòð³îç§
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. YÀYóY×¼ªª î»òð³îç§
0060 . C. çç[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOGòí¼È¹ç•è²ïOKòð³îç§
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. YÀYóY×¼ªª î»òð³îç§
0079 . C. çç[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG,RAM ID=OPòí¼È¹ç•è²ïOKòð³îç§
0081 . C.
0082 . C. ***** òÈ²¼òí¼Ä´¶í°òÈÈ-òòÄ+¿® (¼áµ-YÁYóY×¼è¼çòðÄÓÄæòçªªò°ò¼¼í¹çòçòâ) *****
0083 . C. DHUYä;¼YÉ;È¼Y¼; Yí;¼YÉ;Èòðíáò¹
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 UPLOADò-Ä+¿®NGòí¼í¹ç;ç°È²¼òí¼TI-CMDÄ+¿®òí¼Ä¹Òò•òÈòòò³òÈ;é
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0096 C.                0p0z;çSET0EDUMP0IÆ±°iYÑY¹0Ç¹00|0³0E;f
0097 C.
0098 . C. TIY³YF¥6YÉ00dADİ¿(UT)
0099 +. TI 2010-06-21 09:38:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0102 C.
0103 +. TI 2010-06-21 09:38:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0106 C.
0107 +. TI 2010-06-21 09:38:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0110 C.
0111 +. TI 2010-06-21 09:42:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0114 C.
0115 C. °E²¼0IÄê%îÍÑ0IYÁ¥$YÁY-¹àÜ
0116 C.                çç[HK1_TI_CMD_ENA/DIS]      EQ      ENA
0117 C.                çç[HK1_TI_CMD_NUM]          EQ      4
0118 C.                çç[HK1_NEXT_EXEC_PIM]       EQ      DHU
0119 C.                çç[HK1_NEXT_EXEC_DC]        EQ      0xB3
0120 C.
0121 . C. *****
0122 C. TIÎÎ°èYÀYÓY×
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC (03 ab 03 01 02)
0128 C.                çç[HK1_DMP_TOP_ADRS_1]      EQ      07
0129 C.                çç[HK1_DMP_TOP_ADRS_0]      EQ      2B
0130 C.                çç[HK1_DMP_BLOCK_NUM]       EQ      3
0131 C.                çç[HK1_DMP_REPEAT_NUM]      EQ      0
0132 C.                çç[HK1_DMA_DMP_PIM]        EQ      DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC (07 0b f8)
0135 C.                çç[HK1_PKT_FORM_NO]         EQ      7
0136 C.                çç[HK1_PKT_GEN_TIME]        EQ      0.25 s
0137 C.                çç[HK1_S_TLM_BIT_RATE]      EQ      32k
0138 C.                çç[HK1_X_TLM_BIT_RATE]     EQ      4M
0139 C.                çç[HK1_DMP_CHK_FLG]        EQ      EXEC
0140 C.
0141 . C. YÀYÓY×½ªI»0ð³IÇ$
0142 C.                çç[HK1_DMP_CHK_FLG]        EQ      NON
0143 C.
0144 . C. RAM ID=TI_TBL0I%È¹Ç•è²IOK0ð³IÇ$
0145 C.
0146 . C. DHUYâ;¼YÉ;È¼Y½,¥i;¼YÈ;Ë0ðIã0¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC (02 0a f8)
0149 C.                çç[HK1_PKT_FORM_NO]         EQ      2
0150 C.                çç[HK1_PKT_GEN_TIME]        EQ      0.5S
0151 C.                çç[HK1_S_TLM_BIT_RATE]      EQ      32K
0152 C.                çç[HK1_X_TLM_BIT_RATE]     EQ      4M
0153 C.
0154 . C. Stop EIS observation and temporarily disable EIS mode changes
0155 C.
0156 C.
0157 C. ***** Start EIS operation (TI set) *****
0158 C. Execute, after the success of OP upload.
0159 C. Set EIS TI-commands
0160 +. TI 2010-06-21 09:42:30.0
0161 DC 07-FC EIS_MODE_MANU
0162 BC (21 02)
0163 +. TI 2010-06-21 09:42:40.0
0164 DC 07-FC EIS_MODE_CHG_DIS
0165 BC (22)
0166 . C.                [ ] [HK1_TI_CMD_NUM]      EQ      2 COUNTUP
0167 C. ***** End EIS operation (TI set) *****
0168 C.
0169 C.
0170 C.
0171 C. ***** XRT START *****
0172 C. Execute, after the success of OP upload.
0173 +. TI 2010-06-21 09:42:00.0
0174 DC 07-F0 MDP_XRT_MODE_STBY
0175 BC (c3)
0176 . C.                [ ] [HK1_TI_CMD_NUM]      EQ      1COUNTUP
0177 C.
0178 C. ***** XRT END *****
0179 C.
0180 . C. ***** MDP ´úÃî0I»0¼Y0EÄ00¹0èDCBC•x²è *****
0181 C. (%ã°iYÓYÁYÉY¥YÉYÁYÇYè0E¼000¼Ä»Ü0¹0è)
0182 . S. DC-BC dcbc-402:DCBC
0183 (MDP_known_event)
0184 C.
0185 C.
0186 . C. ***** YD¥¹•İ Daily±¿IÑ0E'00¹0èDCBC•x²è *****
0187 . S. DC-BC dcbc-153:DCBC
0188 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189 C.
0190 C.
0191 . C. ;ãLOS¥ÁY$YÁY-¼Ä»Ü;ã
0192 C.
0193 . C. ***** LOS *****

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(a) Spacecraft Operation Procedure (real-commands)

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main-423 2010-06-21 13:31:49 133 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;äAOSŷÄŷŷŷÄŷ-¼Ä»Ü;ä
0005 C.
0006 C. ŷÄŷŷ;¼ŷŷ³ŷŷŷŷÉÄ+ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Äí;Èççââ•µ°È»Í×ÁÇçáŷçŷÄŷ×ŷí;¼ŷÉ;ÈÈèµ•íÉ;ÈÈÈ¼°ÇÇâ•çç¼l¹ççÍ;çÄ®,ùç¹çâçâçâçÄ+ç®ç•çÈçççç³çÈ;ç
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop FG table >
0018 +. DC 07-F0 MDP_FG_CTRL_MANU
0019 BC (51)
0020 . C. -----
0021 C. MDP_FG_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload FG Observation Table>
0025 . S. RAM ram-261:MDP_OBS_F
0026 ()
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_F >
0029 +. DC 07-F0 MDP_DUMP_FGTBL
0030 BC (82 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_F verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 . C. < Upload DPL table >
0036 C.
0037 C. ŷçŷÄŷ×ŷí;¼ŷÉçáÄ°çÈSTS_CHKçðOFFçÈç¹çè
0038 C.
0039 . S. RAM ram-271:MDP_DPL
0040 ()
0041 C.
0042 . C. < Dump RAMID=MDP_DPL >
0043 +. DC 07-F0 MDP_DUMP_FGTBL
0044 BC (82 07 00 38 b8 00 40)
0045 C. -----
0046 C. MDP_DPL verify = OK [ ]
0047 C. -----
0048 C.
0049 C. STS_CHKçðONçÈç¹çè
0050 C.
0051 . C. < Update MDP DSC PAR1 >
0052 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0053 BC (4c)
0054 C. MDP_CMD_CODE = F04C0700 [ ]
0055 C. MDP_CMD_CNT (count-up 1) [ ]
0056 C. -----
0057 C.
0058 . C.
0059 C.
0060 C. ***** XRT START *****
0061 C.
0062 +. DC 07-F0 MDP_XRT_CTRL_MANU
0063 BC (c1)
0064 +. DC 07-F0 MDP_XRT_MODE_STBY
0065 BC (c3)
0066 . C. ----- Success Verify ? OK / NG_____
0067 C.
0068 C. XRT Obs. Table Upload
0069 . S. RAM ram-291:MDP_OBS_X
0070 ()
0071 C.
0072 +. DC 07-F0 MDP_DUMP_XRTTBL
0073 BC (84 07 00 00 00 3a d4)
0074 . C. ----- Comparison Check ? OK / ERR _____
0075 C.
0076 C.
0077 +. DC 07-F0 MDP_XRT_ROI_SET
0078 BC (cd 01 b1 b1 04 04)
0079 +. DC 07-F0 MDP_XRT_ROI_SET
0080 BC (cd 02 b1 b1 08 08)
0081 +. DC 07-F0 MDP_XRT_ROI_SET
0082 BC (cd 03 b1 b1 08 08)
0083 +. DC 07-F0 MDP_XRT_ROI_SET
0084 BC (cd 04 b1 b1 06 06)
0085 +. DC 07-F0 MDP_XRT_ROI_SET
0086 BC (cd 06 80 80 06 06)
0087 +. DC 07-F0 MDP_XRT_ROI_SET
0088 BC (cd 07 80 80 20 20)
0089 +. DC 07-F0 MDP_XRT_ROI_SET
0090 BC (cd 08 80 80 20 08)
0091 +. DC 07-F0 MDP_XRT_ROI_SET
0092 BC (cd 09 80 80 08 20)
0093 +. DC 07-F0 MDP_XRT_ROI_SET
0094 BC (cd 0a 80 80 08 08)
0095 +. DC 07-F0 MDP_XRT_ROI_SET

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0096 BC (cd 0b 90 90 0c 0c)
0097 + DC 07-F0 MDP_XRT_ROI_SET
0098 BC (cd 0c 90 90 08 08)
0099 + DC 07-F0 MDP_XRT_ROI_SET
0100 BC (cd 0d 80 80 06 08)
0101 + DC 07-F0 MDP_XRT_ROI_SET
0102 BC (cd 0f 80 80 06 06)
0103 + DC 07-F0 MDP_XRT_AEC_RESET
0104 BC (d0)
0105 . C. ----- Success Verify ? OK / NG ____
0106 C.
0107 C.
0108 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0109 C.
0110 +. DC 07-F0 MDP_XRT_MODE_OBSV
0111 BC (c2)
0112 +. TI 2010-06-21 09:42:02.0
0113 DC 07-F0 MDP_XRT_MODE_OBSV
0114 BC (c2)
0115 . C. ----- Success Verify ? OK / NG ____
0116 C.
0117 C. ***** XRT END *****
0118 C.
0119 . C. ***** MDP 'úÃîñî»ö¼ýñëâðñ¹ñèDCBC•x²è *****
0120 C. (¼ã°îÿÓÿÄÿÈÿÞÿËÿáÿçÿèñ¼ññ¼Ã»Ûñ¹ñè)
0121 . S. DC-BC dcbc-402:DCBC
0122 (MDP_known_event)
0123 C.
0124 C.
0125 . C. ***** ÿÐÿ¹•Ï Daily±¿ÎññÉ´Øñ¹ñèDCBC•x²è *****
0126 . S. DC-BC dcbc-153:DCBC
0127 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0128 C.
0129 C.
0130 . C. ;ãLOSÿÁÿ§ÿÄÿÿ-¼Ã»Û;ã
0131 C.
0132 . C. ***** LOS *****
0133 C.

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*** OP Sequence for XRT ***

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2010/06/21 09:52:54.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/06/21 09:52:56.0 XRT_FOCUS_POSITION_409_OG [0x199]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2010/06/21 09:53:00.0 AOCS_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 02 00 00 00 00
2010/06/21 09:53:16.0 XRT_AEC_RESET_410_OG [0x19a]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2010/06/21 09:53:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2010/06/21 09:53:20.0 XRT_FLD_RESET_412_OG [0x19c]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2010/06/21 09:53:22.0 XRT_FLRCTRL_ENA_413_OG [0x19d]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2010/06/21 09:53:24.0 XRT_ARS_DIS_431_OG [0x1af]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2010/06/21 09:55:56.0 XRT_QT_PROG_SET_435_OG [0x1b3]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 13
2010/06/21 09:55:58.0 XRT_FL_PROG_SET_416_OG [0x1a0]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 01
2010/06/21 09:56:00.0 XRT_CTRL_AUTO_406_OG [0x196]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2010/06/21 10:27:30.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/06/21 11:01:30.0 XRT_Custom_418_OG [0x1a2]
2010/06/21 11:02:30.0 XRT_CTRL_AUTO_419_OG [0x1a3]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2010/06/21 12:10:00.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/06/21 12:40:00.0 XRT_Custom_418_OG [0x1a2]
2010/06/21 12:41:00.0 XRT_CTRL_AUTO_419_OG [0x1a3]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2010/06/21 13:48:30.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/06/21 14:22:00.0 XRT_Custom_418_OG [0x1a2]
2010/06/21 14:23:00.0 XRT_CTRL_AUTO_419_OG [0x1a3]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2010/06/21 15:27:00.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/06/21 16:13:00.0 XRT_Custom_418_OG [0x1a2]
2010/06/21 16:14:00.0 XRT_CTRL_AUTO_419_OG [0x1a3]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2010/06/21 17:05:30.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/06/21 17:49:30.0 XRT_Custom_418_OG [0x1a2]
2010/06/21 17:50:30.0 XRT_CTRL_AUTO_419_OG [0x1a3]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2010/06/21 18:05:24.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/06/21 18:05:26.0 XRT_FOCUS_RECALIBRATE_436_OG [0x1b4]
                        XRT_FOCUS_RECAL 2 07-F8 78 00
2010/06/21 18:05:30.0 AOCS_OrE-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 00 00 00 00
2010/06/21 18:09:26.0 XRT_FOCUS_POSITION_401_OG [0x191]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2010/06/21 18:09:46.0 XRT_FLD_DIS_402_OG [0x192]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2010/06/21 18:09:48.0 XRT_FLRCTRL_DIS_403_OG [0x193]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2010/06/21 18:09:50.0 XRT_ARS_DIS_437_OG [0x1b5]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2010/06/21 18:09:58.0 XRT_QT_PROG_SET_407_OG [0x197]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 03
2010/06/21 18:10:00.0 XRT_CTRL_AUTO_406_OG [0x196]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2010/06/21 18:15:24.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/06/21 18:15:26.0 XRT_FOCUS_POSITION_409_OG [0x199]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2010/06/21 18:15:30.0 AOCS_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 02 00 00 00 00
2010/06/21 18:15:46.0 XRT_AEC_RESET_410_OG [0x19a]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2010/06/21 18:15:48.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2010/06/21 18:15:50.0 XRT_FLD_RESET_412_OG [0x19c]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2010/06/21 18:15:52.0 XRT_FLRCTRL_ENA_413_OG [0x19d]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2010/06/21 18:15:54.0 XRT_ARS_DIS_431_OG [0x1af]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2010/06/21 18:18:26.0 XRT_QT_PROG_SET_435_OG [0x1b3]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 13
2010/06/21 18:18:28.0 XRT_FL_PROG_SET_416_OG [0x1a0]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 01
2010/06/21 18:18:30.0 XRT_CTRL_AUTO_406_OG [0x196]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2010/06/21 18:44:00.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2010/06/21 19:26:30.0 XRT_Custom_418_OG [0x1a2]
2010/06/21 19:27:30.0 XRT_CTRL_AUTO_419_OG [0x1a3]

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2010/06/21	20:22:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/21	21:03:30.0	XRT_Custom_418_OG [0x1a2]				
2010/06/21	21:04:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/21	22:01:00.0	XRT_CTRL_MANU_408_OG [0x198]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/21	22:39:30.5	XRT_Custom_418_OG [0x1a2]				
2010/06/21	22:40:30.5	XRT_CTRL_AUTO_419_OG [0x1a3]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/21	23:39:30.0	XRT_CTRL_MANU_408_OG [0x198]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/22	00:00:00.0	AOCS_ORe-point_Start_1_OG [0x097]				
			AOCU_NM	5	02-76	02 00 00 00 00
2010/06/22	00:09:30.0	XRT_CTRL_MANU_400_OG [0x190]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/22	00:09:32.0	XRT_FOCUS_POSITION_409_OG [0x199]				
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/06/22	00:09:52.0	XRT_AEC_RESET_410_OG [0x19a]				
			MDP_XRT_AEC_RESET	1	07-F0	d0
2010/06/22	00:09:54.0	XRT_FLD_ENA_411_OG [0x19b]				
			MDP_XRT_FLD_ENA	1	07-F0	d8
2010/06/22	00:09:56.0	XRT_FLD_RESET_412_OG [0x19c]				
			MDP_XRT_FLD_RESET	1	07-F0	da
2010/06/22	00:09:58.0	XRT_FLRCTRL_ENA_413_OG [0x19d]				
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/06/22	00:10:00.0	XRT_ARS_DIS_414_OG [0x19e]				
			MDP_XRT_ARS_DIS	1	07-F0	d5
2010/06/22	00:10:02.0	XRT_QT_PROG_SET_440_OG [0x1b8]				
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 12
2010/06/22	00:10:04.0	XRT_FL_PROG_SET_416_OG [0x1a0]				
			MDP_XRT_FL_PROG_SET	2	07-F0	c5 01
2010/06/22	00:10:06.0	XRT_CTRL_AUTO_406_OG [0x196]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/22	01:18:00.0	XRT_CTRL_MANU_408_OG [0x198]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/22	01:48:00.0	XRT_Custom_418_OG [0x1a2]				
2010/06/22	01:49:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/22	02:54:00.0	XRT_CTRL_MANU_408_OG [0x198]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/22	03:26:30.0	XRT_Custom_418_OG [0x1a2]				
2010/06/22	03:27:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/22	04:23:30.0	XRT_CTRL_MANU_408_OG [0x198]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/22	05:05:00.0	XRT_Custom_418_OG [0x1a2]				
2010/06/22	05:06:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/22	05:36:24.0	XRT_CTRL_MANU_400_OG [0x190]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/22	05:36:26.0	XRT_FOCUS_POSITION_401_OG [0x191]				
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/06/22	05:36:30.0	AOCS_ORe-point_Start_2_OG [0x098]				
			AOCU_NM	5	02-76	00 00 00 00 00
2010/06/22	05:36:46.0	XRT_FLD_DIS_402_OG [0x192]				
			MDP_XRT_FLD_DIS	1	07-F0	d9
2010/06/22	05:36:48.0	XRT_FLRCTRL_DIS_403_OG [0x193]				
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/06/22	05:36:50.0	XRT_ARS_DIS_404_OG [0x194]				
			MDP_XRT_ARS_DIS	1	07-F0	d5
2010/06/22	05:39:28.0	XRT_QT_PROG_SET_407_OG [0x197]				
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2010/06/22	05:39:30.0	XRT_CTRL_AUTO_406_OG [0x196]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/22	05:46:24.0	XRT_CTRL_MANU_400_OG [0x190]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/22	05:46:26.0	XRT_FOCUS_POSITION_409_OG [0x199]				
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/06/22	05:46:30.0	AOCS_ORe-point_Start_1_OG [0x097]				
			AOCU_NM	5	02-76	02 00 00 00 00
2010/06/22	05:46:46.0	XRT_AEC_RESET_410_OG [0x19a]				
			MDP_XRT_AEC_RESET	1	07-F0	d0
2010/06/22	05:46:48.0	XRT_FLD_ENA_411_OG [0x19b]				
			MDP_XRT_FLD_ENA	1	07-F0	d8
2010/06/22	05:46:50.0	XRT_FLD_RESET_412_OG [0x19c]				
			MDP_XRT_FLD_RESET	1	07-F0	da
2010/06/22	05:46:52.0	XRT_FLRCTRL_ENA_413_OG [0x19d]				
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/06/22	05:46:54.0	XRT_ARS_DIS_431_OG [0x1af]				
			MDP_XRT_ARS_DIS	1	07-F0	d5
2010/06/22	05:49:26.0	XRT_QT_PROG_SET_440_OG [0x1b8]				
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 12
2010/06/22	05:49:28.0	XRT_FL_PROG_SET_416_OG [0x1a0]				
			MDP_XRT_FL_PROG_SET	2	07-F0	c5 01
2010/06/22	05:49:30.0	XRT_CTRL_AUTO_406_OG [0x196]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/06/22	06:04:00.0	XRT_CTRL_MANU_408_OG [0x198]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/06/22	06:43:30.0	XRT_Custom_418_OG [0x1a2]				
2010/06/22	06:44:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0

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2010/06/22	07:44:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	08:22:00.0	XRT_Custom_418_OG [0x1a2]							
2010/06/22	08:23:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/22	09:24:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	10:00:30.0	XRT_Custom_418_OG [0x1a2]							
2010/06/22	10:01:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/22	11:08:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	11:39:00.5	XRT_Custom_418_OG [0x1a2]							
2010/06/22	11:40:00.5	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/22	12:47:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	13:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 ba a8 d7 1b				
2010/06/22	13:17:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	13:17:32.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/06/22	13:17:52.0	XRT_AEC_RESET_410_OG [0x19a]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/06/22	13:17:54.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/06/22	13:17:56.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/06/22	13:17:58.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/06/22	13:18:00.0	XRT_ARS_DIS_414_OG [0x19e]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/06/22	13:18:02.0	XRT_QT_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10				
2010/06/22	13:18:04.0	XRT_FL_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 01				
2010/06/22	13:18:06.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/22	14:25:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	15:02:00.5	XRT_Custom_418_OG [0x1a2]							
2010/06/22	15:03:00.5	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/22	16:04:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	16:49:30.0	XRT_Custom_418_OG [0x1a2]							
2010/06/22	16:50:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/22	17:42:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	18:25:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	18:25:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/06/22	18:26:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/06/22	18:26:16.0	XRT_FLD_DIS_402_OG [0x192]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/06/22	18:26:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/06/22	18:26:20.0	XRT_ARS_DIS_404_OG [0x194]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/06/22	18:28:58.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03				
2010/06/22	18:29:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/22	18:35:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	18:35:56.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/06/22	18:36:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02 00 00 00 00				
2010/06/22	18:36:16.0	XRT_AEC_RESET_410_OG [0x19a]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/06/22	18:36:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/06/22	18:36:20.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/06/22	18:36:22.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/06/22	18:36:24.0	XRT_ARS_DIS_431_OG [0x1af]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/06/22	18:38:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2010/06/22	18:38:58.0	XRT_FL_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 01				
2010/06/22	18:39:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/22	19:21:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	20:03:00.0	XRT_Custom_418_OG [0x1a2]							
2010/06/22	20:04:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							

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2010/06/22	20:59:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	21:40:30.0	XRT_Custom_418_OG [0x1a2]								
2010/06/22	21:41:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/22	22:38:00.0	XRT_CTRL_MANU_408_OG [0x198]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	23:00:00.0	AOCS_Ore-point_Start_4_OG [0x09a]								
			AOCU_NM	5	02-76	00	ed	59	50	41
2010/06/22	23:15:00.0	XRT_CTRL_MANU_400_OG [0x190]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/22	23:15:02.0	XRT_FOCUS_POSITION_409_OG [0x199]								
			XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/06/22	23:15:22.0	XRT_AEC_RESET_410_OG [0x19a]								
			MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/06/22	23:15:24.0	XRT_FLD_ENA_411_OG [0x19b]								
			MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/06/22	23:15:26.0	XRT_FLD_RESET_412_OG [0x19c]								
			MDP_XRT_FLD_RESET	1	07-F0	da				
2010/06/22	23:15:28.0	XRT_FLRCTRL_ENA_413_OG [0x19d]								
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/06/22	23:15:30.0	XRT_ARS_DIS_414_OG [0x19e]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/06/22	23:15:32.0	XRT_QT_PROG_SET_438_OG [0x1b6]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2010/06/22	23:15:34.0	XRT_FL_PROG_SET_416_OG [0x1a0]								
			MDP_XRT_FL_PROG_SET	2	07-F0	c5	01			
2010/06/22	23:15:36.0	XRT_CTRL_AUTO_406_OG [0x196]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/23	00:16:30.0	XRT_CTRL_MANU_408_OG [0x198]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/23	00:46:30.0	XRT_Custom_418_OG [0x1a2]								
2010/06/23	00:47:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/23	01:55:00.0	XRT_CTRL_MANU_408_OG [0x198]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/23	02:25:00.0	XRT_Custom_418_OG [0x1a2]								
2010/06/23	02:26:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/23	03:31:00.0	XRT_CTRL_MANU_408_OG [0x198]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/23	04:03:30.0	XRT_Custom_418_OG [0x1a2]								
2010/06/23	04:04:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/23	05:01:30.0	XRT_CTRL_MANU_408_OG [0x198]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/23	05:42:00.0	XRT_Custom_418_OG [0x1a2]								
2010/06/23	05:43:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/23	05:57:54.0	XRT_CTRL_MANU_400_OG [0x190]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/23	05:57:56.0	XRT_FOCUS_POSITION_401_OG [0x191]								
			XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2010/06/23	05:58:00.0	AOCS_ORe-point_Start_2_OG [0x098]								
			AOCU_NM	5	02-76	00	00	00	00	00
2010/06/23	05:58:16.0	XRT_FLD_DIS_402_OG [0x192]								
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/06/23	05:58:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]								
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/06/23	05:58:20.0	XRT_ARS_DIS_404_OG [0x194]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/06/23	06:00:58.0	XRT_QT_PROG_SET_407_OG [0x197]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2010/06/23	06:01:00.0	XRT_CTRL_AUTO_406_OG [0x196]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/23	06:07:54.0	XRT_CTRL_MANU_400_OG [0x190]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/23	06:07:56.0	XRT_FOCUS_POSITION_409_OG [0x199]								
			XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/06/23	06:08:00.0	AOCS_ORe-point_Start_1_OG [0x097]								
			AOCU_NM	5	02-76	02	00	00	00	00
2010/06/23	06:08:16.0	XRT_AEC_RESET_410_OG [0x19a]								
			MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/06/23	06:08:18.0	XRT_FLD_ENA_411_OG [0x19b]								
			MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/06/23	06:08:20.0	XRT_FLD_RESET_412_OG [0x19c]								
			MDP_XRT_FLD_RESET	1	07-F0	da				
2010/06/23	06:08:22.0	XRT_FLRCTRL_ENA_413_OG [0x19d]								
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/06/23	06:08:24.0	XRT_ARS_DIS_431_OG [0x1af]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/06/23	06:10:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4	12			
2010/06/23	06:10:58.0	XRT_FL_PROG_SET_416_OG [0x1a0]								
			MDP_XRT_FL_PROG_SET	2	07-F0	c5	01			
2010/06/23	06:11:00.0	XRT_CTRL_AUTO_406_OG [0x196]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/06/23	06:42:00.0	XRT_CTRL_MANU_408_OG [0x198]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/06/23	07:20:30.0	XRT_Custom_418_OG [0x1a2]								
2010/06/23	07:21:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				

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2010/06/23	08:22:00.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1 07-F0 c1
2010/06/23	08:59:00.0	XRT_Custom_418_OG [0x1a2]	
2010/06/23	09:00:00.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1 07-F0 c0
2010/06/23	10:02:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1 07-F0 c1
2010/06/23	10:37:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1 07-F0 c1
2010/06/23	11:54:00.0	AOCS_OrE-point_Start_2_OG [0x098] AOCU_NM	5 02-76 00 00 00 00 00