

XRT Timeline to be uploaded on 2010/07/12

Period: 2010/07/12 09:39:00 - 2010/07/15 10:59:00

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Normal mode

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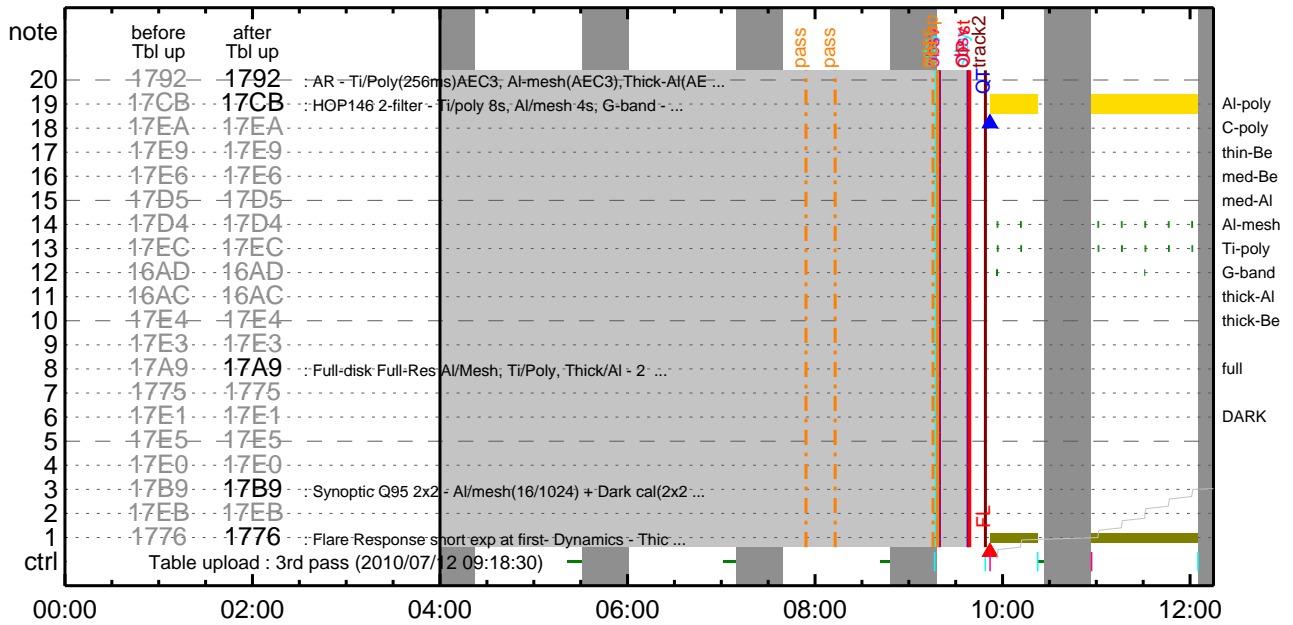
XOB #17CB: HOP146 2-filter - Ti/poly 8s, Al/mesh 4s, G-band - 512FOV 15min cadence - Q90-AEC2													
Term	Pointing (x, y)		Comment										
07/12 09:52:00 - 07/12 15:22:00	Track (225.0, -307.1) ^{Ⓢ 07/12 09:49:00}		# OP start + 10min, HOP-146 (solar wind source regions).										
PROG= 19 Inf.-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 3 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec
└─ Subr= 2 4-time(s) 900.0sec													
└─ Seqn= 15 2-time(s) 30.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	1x1	512x512 (1024, 1024)	Q=90	2	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	1x1	512x512 (1024, 1024)	Q=90	2	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1792: AR - Ti/Poly(256ms)AEC3, Al-mesh(AEC3),Thick-Al(AEC3), G-band-384x384- 2min cad - 1064 1048													
Term	Pointing (x, y)		Comment										
07/12 16:09:30 - 07/12 18:00:54	Track (-519.5, 254.3) ^{Ⓢ 07/12 16:00:00}		# Observe Active Region in East.										
07/12 22:36:00 - 07/13 05:31:54	Track (-476.9, 252.0) ^{Ⓢ 07/12 22:01:00}		# Return to AR.										
07/13 05:45:00 - 07/13 17:38:00	Track (-420.3, 249.2) ^{Ⓢ 07/13 05:42:00}		# AR continued.										
07/13 22:25:00 - 07/14 05:53:24	Track (-290.0, 244.2) ^{Ⓢ 07/13 22:22:00}		# AR.										
PROG= 20 Inf.-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 76 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└─ Seqn= 77 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	125ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─ Subr= 2 20-time(s) 2.0sec													
└─ Seqn= 78 1-time(s) 120.0sec													
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

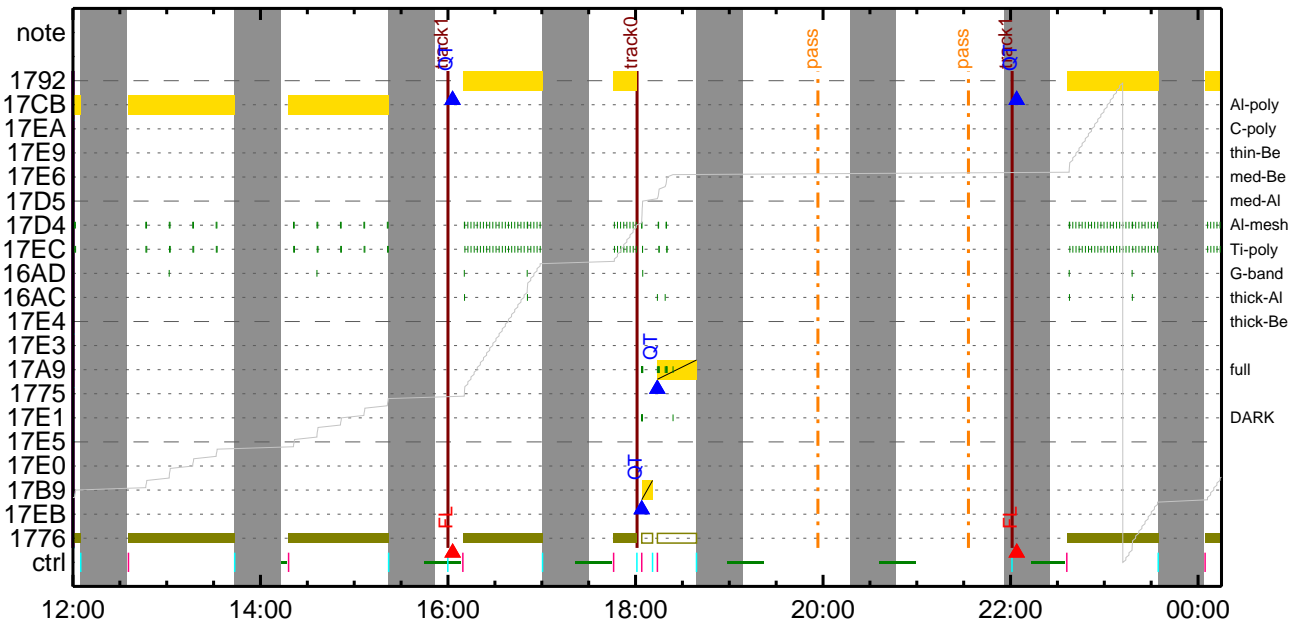
XOB #17B9: Synoptic Q95 2x2 - Al/mesh(16/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(33/2048) + G-band(16)													
Term	Pointing (x, y)		Comment										
07/12 18:04:00 - 07/12 18:10:54	Fixed (0.0, 0.0)		synoptic, shifted 1.0 min, extended to 4 hours for SOT flat fields.										
07/13 05:35:00 - 07/13 05:41:54	Fixed (0.0, 0.0)		synoptic, shifted -28.0 min										
07/13 18:25:00 - 07/13 18:31:54	Fixed (0.0, 0.0)		synoptic, shifted 22.0 min, extended to 4 hours for SOT flat fields.										
07/14 05:56:30 - 07/14 06:37:00	Fixed (0.0, 0.0)		synoptic, shifted -6.5 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 #17A9: Full-disk Full-Res Al/Mesh, Ti/Poly, Thick/Al - 2 loops													
Term	Pointing (x, y)		Comment										
07/12 18:14:00 - 07/12 18:39:00	Fixed (0.0, 0.0)		synoptic, shifted 1.0 min, extended to 4 hours for SOT flat fields.										
07/13 18:35:00 - 07/13 19:16:00	Fixed (0.0, 0.0)		synoptic, shifted 22.0 min, extended to 4 hours for SOT flat fields.										
PROG= 08 1-time(s)													
└─ Subr= 1 2-time(s) 300.0sec													
└─ Seqn= 13 1-time(s) 2.0sec													
	Open/thick-Al	Open/thick-Al	close	Safe	Norm	22.6s	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 12 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 11 1-time(s) 2.0sec													
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	250ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec													

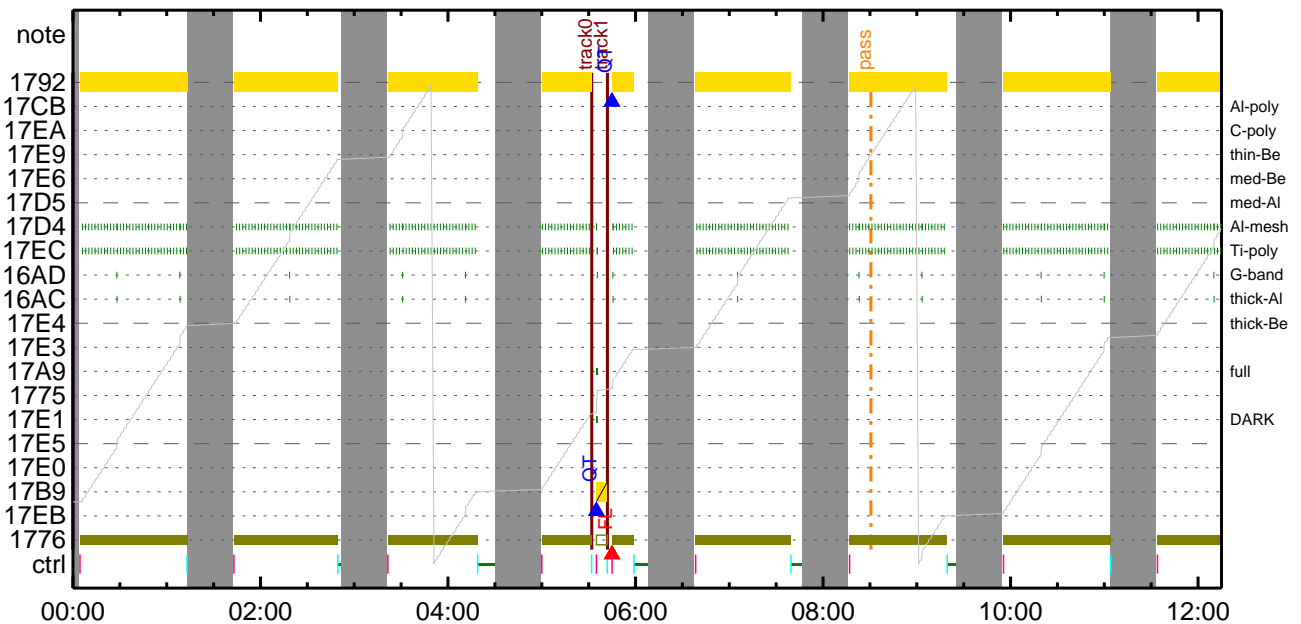
CMDI #0371 2010/07/12



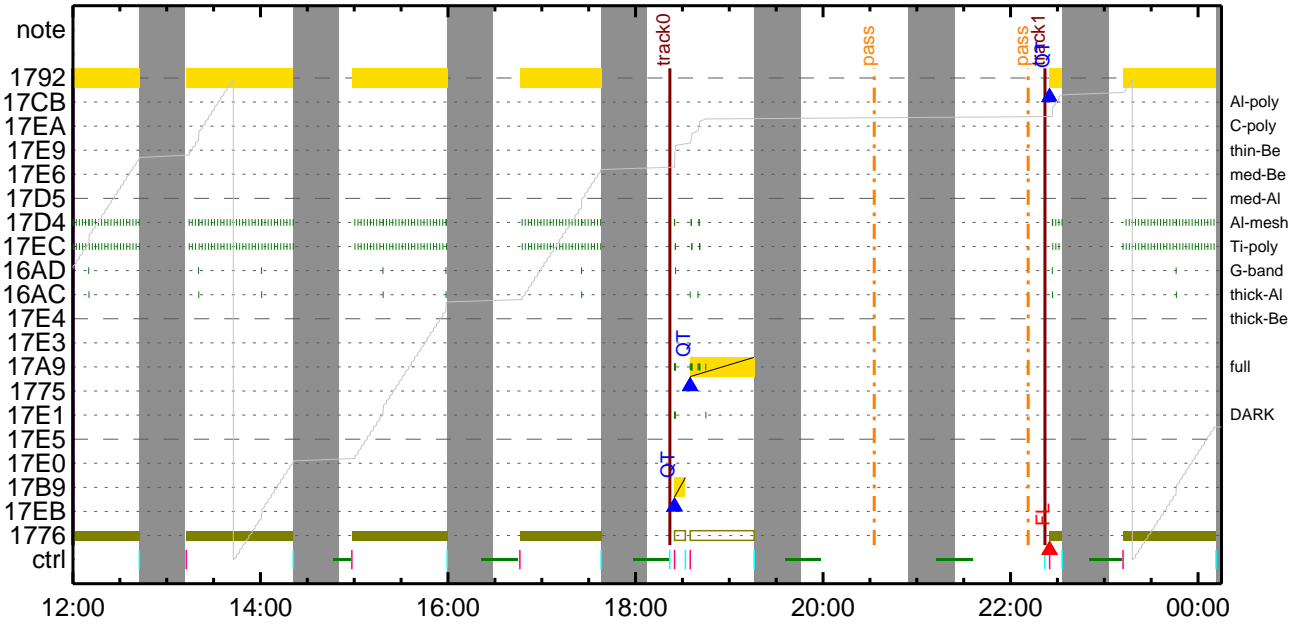
CMDI #0371 2010/07/12



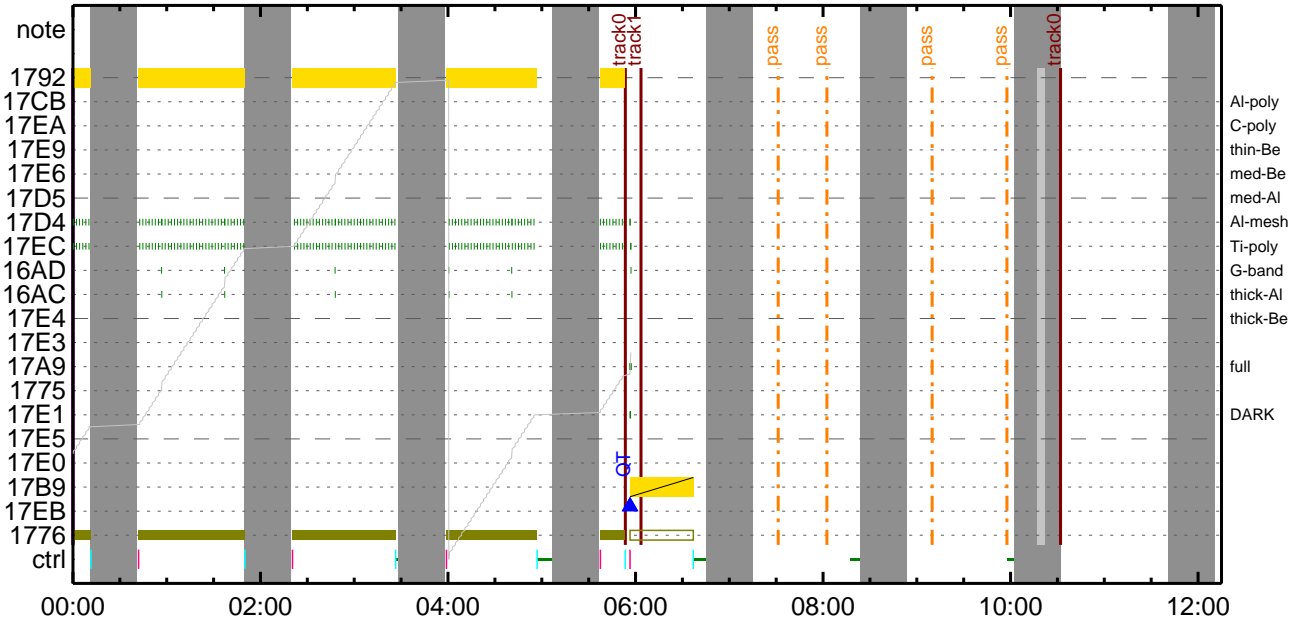
CMDI #0371 2010/07/13



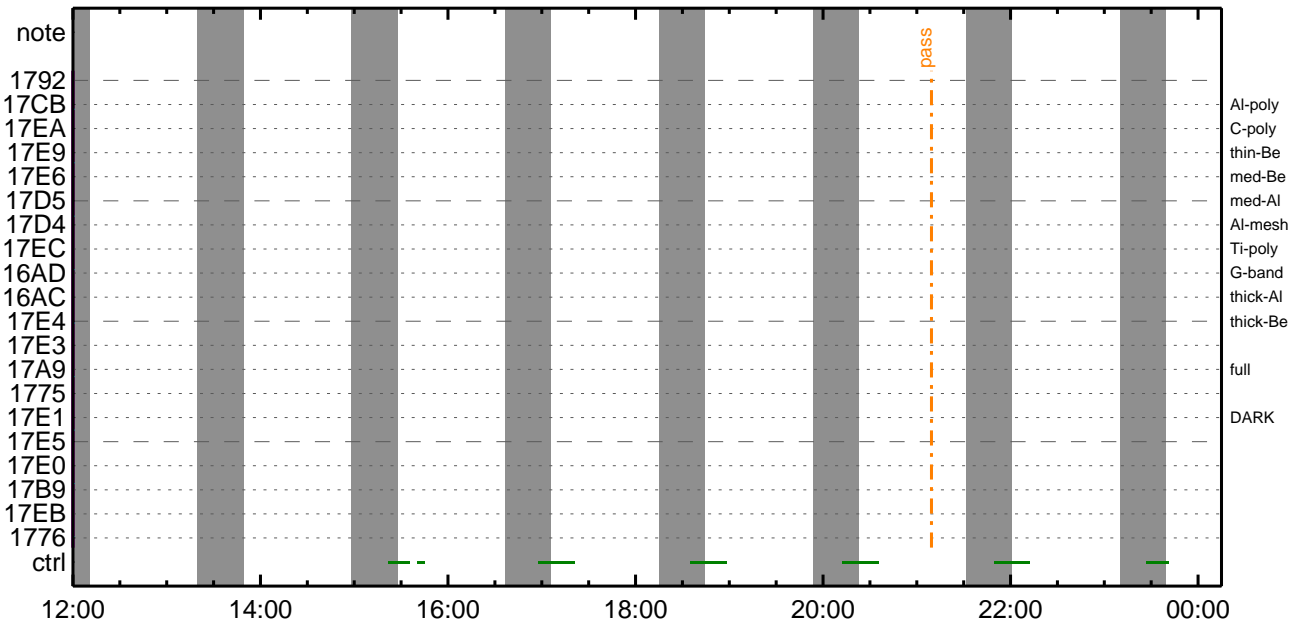
CMDI #0371 2010/07/13



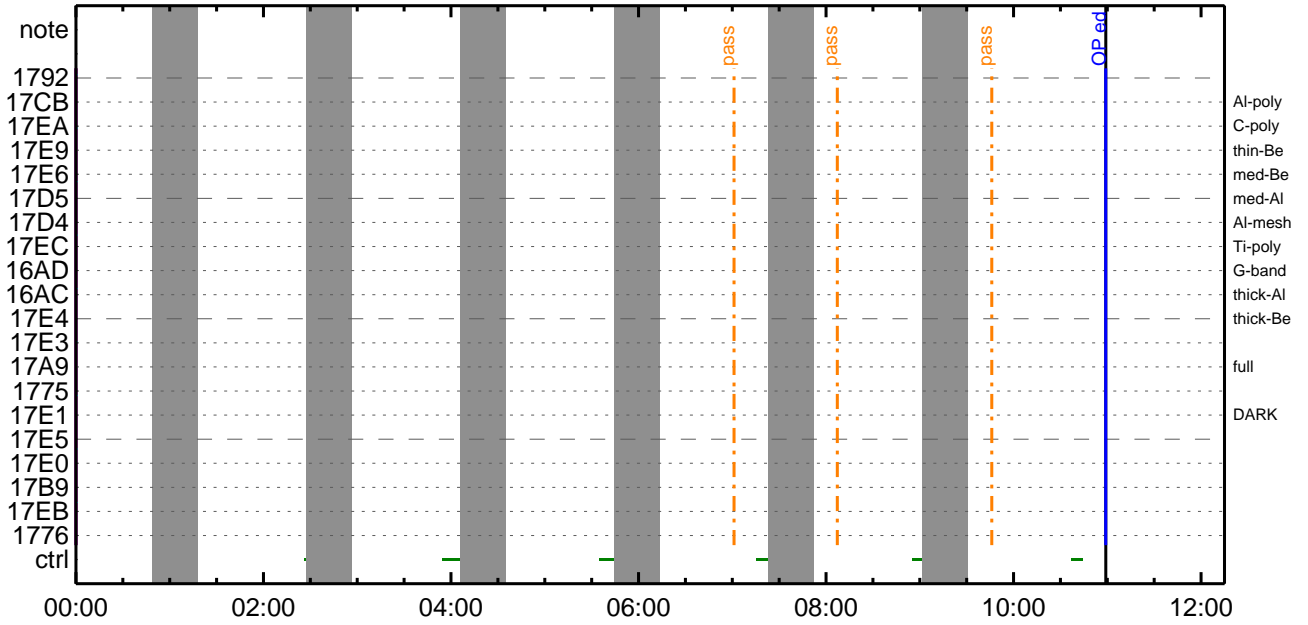
CMDI #0371 2010/07/14



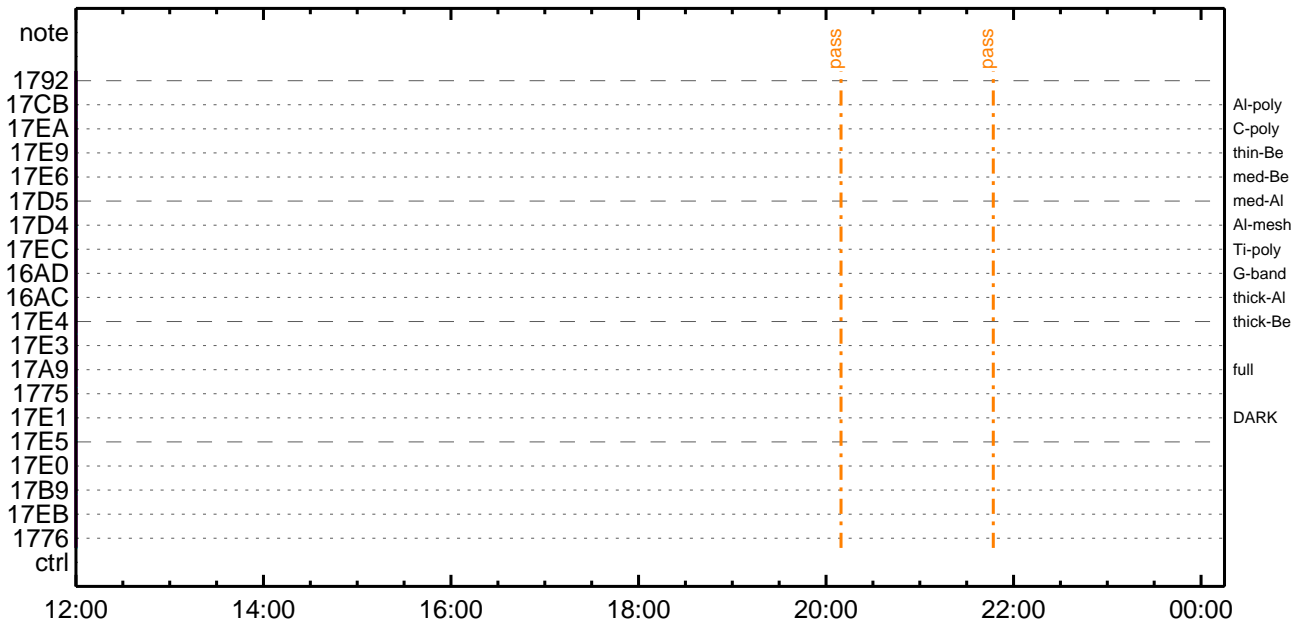
CMDI #0371 2010/07/14



CMDI #0371 2010/07/15



CMDI #0371 2010/07/15



(a) Spacecraft Operation Procedure (real-commands)

```
main-464 2010-07-12 12:29:02 138 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁY$;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èø¿òÁø•µ°È»Í×ÁÇøÍYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈøÈ¼°ÇÓø•ø¿¼í¹çøÍ;çÀ®, ùø¹øÈøÈøÇÁ+¿®ø•øÈøøøø³øÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 + DC 07-F0 MDP_XRT_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ? OK / NG____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ? OK / ERR ____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 06 80 80 08 08)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 07 85 83 06 06)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 08 80 80 20 20)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 09 80 80 20 08)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 0a 80 80 08 20)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0f 80 80 06 06)
0052 + DC 07-F0 MDP_XRT_AEC_RESET
0053 BC (d0)
0054 . C. ----- Success Verify ? OK / NG ____
0055 C.
0056 C.
0057 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0058 C.
0059 +. DC 07-F0 MDP_XRT_MODE_OBSV
0060 BC (c2)
0061 +. TI 2010-07-12 09:38:02.0
0062 DC 07-F0 MDP_XRT_MODE_OBSV
0063 BC (c2)
0064 . C. ----- Success Verify ? OK / NG ____
0065 C.
0066 C. ***** XRT END *****
0067 . C. *****
0068 C. SOT table upload
0069 C. *****
0070 . C. < Stop FG table >
0071 +. DC 07-F0 MDP_FG_CTRL_MANU
0072 BC (51)
0073 . C. -----
0074 C. MDP_FG_CTRL_MODE = MANU [ ]
0075 C. -----
0076 C.
0077 . C. <Upload FG Observation Table>
0078 . S. RAM ram-261:MDP_OBS_F
0079 ( )
0080 C.
0081 . C. < Dump RAMID=MDP_OBS_F >
0082 +. DC 07-F0 MDP_DUMP_FGTBL
0083 BC (82 07 00 00 00 38 b8)
0084 C. -----
0085 C. MDP_OBS_F verify = OK/NG [ ]
0086 C. -----
0087 C.
0088 . C. < Upload DPL table >
0089 C.
0090 C. YçYÁY×Yí;¼YÉøÍÁ°øÈSTS_CHKøøOFFøÈø¹øè
0091 C.
0092 . S. RAM ram-271:MDP_DPL
0093 ( )
0094 C.
0095 . C. < Dump RAMID=MDP_DPL >
```

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0096 +. DC 07-F0 MDP_DUMP_FGTBL
0097 BC (82 07 00 38 b8 00 40)
0098 C. -----
0099 C. MDP_DPL verify = OK [ ]
0100 C. -----
0101 C.
0102 C. STS_CHKαδONαÈα¹αè
0103 C.
0104 . C. < Update MDP DSC PAR1 >
0105 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0106 BC (4c)
0107 C. MDP_CMD_CODE = F04C0700[ ]
0108 C. MDP_CMD_CNT (count-up 1) [ ]
0109 C. -----
0110 C.
0111 . C.
0112 C. *****
0113 C. SOT TI command set
0114 C. *****
0115 C. Execute, after the success of TBL upload.
0116 +. TI 2010-07-12 09:38:18.0
0117 DC 07-F0 MDP_SOT_MODE_OBSV
0118 BC (40)
0119 . C. -----
0120 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0121 C. -----
0122 C.
0123 C.
0124 . C. ***** MDP `ûÃîαî»ò%ÿαÈÃDα¹αèDCBC•x²è *****
0125 C. (%ã°îÿÓÿÃÿÈÿPÿËÿãÿçÿèαÈ%¼αα¼Ã»Ûα¹αè)
0126 . S. DC-BC dcbc-402:DCBC
0127 (MDP_known_event)
0128 C.
0129 C.
0130 . C. ***** ÿDÿ¹•î Daily±;îÑαÈ'Øα¹αèDCBC•x²è *****
0131 . S. DC-BC dcbc-153:DCBC
0132 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0133 C.
0134 C.
0135 . C. ;ãLOSÿÃÿSÿËÿ-¼Ã»Û;ã
0136 C.
0137 . C. ***** LOS *****
0138 C.

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Jul 12, 10 12:29

XRT_OGLIST_0371.chk

Page 1/4

*** OP Sequence for XRT ***

2010/07/12	09:48:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/07/12	09:48:56.0	XRT_FOCUS_POSITION_409_OG [0x199]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/07/12	09:49:00.0	AOCS_OrE-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	02 00 00 00 00
2010/07/12	09:49:16.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/07/12	09:49:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/07/12	09:49:20.0	XRT_FLRCTRL_ENA_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/07/12	09:49:22.0	XRT_ARS_DIS_420_OG [0x1a4]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/07/12	09:51:56.0	XRT_QT_PROG_SET_423_OG [0x1a7]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 13
2010/07/12	09:51:58.0	XRT_FL_PROG_SET_416_OG [0x1a0]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 01
2010/07/12	09:52:00.0	XRT_CTRL_AUTO_406_OG [0x196]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/07/12	10:22:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/07/12	10:56:00.0	XRT_Custom_418_OG [0x1a2]			
2010/07/12	10:57:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/07/12	12:05:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/07/12	12:34:30.0	XRT_Custom_418_OG [0x1a2]			
2010/07/12	12:35:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/07/12	13:43:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/07/12	14:17:00.5	XRT_Custom_418_OG [0x1a2]			
2010/07/12	14:18:00.5	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/07/12	15:22:00.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/07/12	15:59:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/07/12	15:59:56.0	XRT_FOCUS_POSITION_409_OG [0x199]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/07/12	16:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	01 00 00 00 00
2010/07/12	16:00:16.0	XRT_FLD_RESET_412_OG [0x19c]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/07/12	16:00:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/07/12	16:00:20.0	XRT_FLRCTRL_ENA_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/07/12	16:00:22.0	XRT_ARS_DIS_420_OG [0x1a4]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/07/12	16:02:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 14
2010/07/12	16:02:58.0	XRT_FL_PROG_SET_416_OG [0x1a0]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 01
2010/07/12	16:08:30.0	XRT_Custom_418_OG [0x1a2]			
2010/07/12	16:09:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/07/12	17:00:30.0	XRT_CTRL_MANU_408_OG [0x198]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/07/12	17:45:00.0	XRT_Custom_418_OG [0x1a2]			
2010/07/12	17:46:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/07/12	18:00:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/07/12	18:00:56.0	XRT_FOCUS_POSITION_401_OG [0x191]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/07/12	18:01:00.0	AOCS_OrE-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	00 00 00 00 00
2010/07/12	18:01:16.0	XRT_FLD_DIS_402_OG [0x192]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2010/07/12	18:01:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/07/12	18:01:20.0	XRT_ARS_DIS_404_OG [0x194]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/07/12	18:03:58.0	XRT_QT_PROG_SET_407_OG [0x197]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2010/07/12	18:04:00.0	XRT_CTRL_AUTO_406_OG [0x196]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/07/12	18:10:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/07/12	18:10:56.0	XRT_FOCUS_POSITION_401_OG [0x191]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/07/12	18:11:16.0	XRT_FLD_DIS_402_OG [0x192]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2010/07/12	18:11:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/07/12	18:11:20.0	XRT_ARS_DIS_404_OG [0x194]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/07/12	18:13:58.0	XRT_QT_PROG_SET_441_OG [0x1b9]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08

Jul 12, 10 12:29

XRT_OGLIST_0371.chk

Page 2/4

2010/07/12	18:14:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/07/12	18:39:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/07/12	22:00:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/07/12	22:00:56.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2010/07/12	22:01:00.0	AOCS_Orе-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	01 00 00 00 00	
2010/07/12	22:01:16.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/07/12	22:01:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/07/12	22:01:20.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2010/07/12	22:01:22.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/07/12	22:03:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14	
2010/07/12	22:03:58.0	XRT_FL_PROG_SET_416_OG [0x1a0]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 01	
2010/07/12	22:35:00.5	XRT_Custom_418_OG [0x1a2]					
2010/07/12	22:36:00.5	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/07/12	23:34:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/07/13	00:03:30.0	XRT_Custom_418_OG [0x1a2]					
2010/07/13	00:04:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/07/13	01:13:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/07/13	01:42:00.0	XRT_Custom_418_OG [0x1a2]					
2010/07/13	01:43:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/07/13	02:49:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/07/13	03:20:30.5	XRT_Custom_418_OG [0x1a2]					
2010/07/13	03:21:30.5	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/07/13	04:19:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/07/13	04:59:00.0	XRT_Custom_418_OG [0x1a2]					
2010/07/13	05:00:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/07/13	05:31:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/07/13	05:31:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2010/07/13	05:32:00.0	AOCS_Orе-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00	
2010/07/13	05:32:16.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/07/13	05:32:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/07/13	05:32:20.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/07/13	05:34:58.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03	
2010/07/13	05:35:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/07/13	05:41:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/07/13	05:41:56.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2010/07/13	05:42:00.0	AOCS_Orе-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	01 00 00 00 00	
2010/07/13	05:42:16.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da	
2010/07/13	05:42:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2010/07/13	05:42:20.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2010/07/13	05:42:22.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/07/13	05:44:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14	
2010/07/13	05:44:58.0	XRT_FL_PROG_SET_416_OG [0x1a0]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 01	
2010/07/13	05:45:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/07/13	05:59:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/07/13	06:37:30.0	XRT_Custom_418_OG [0x1a2]					
2010/07/13	06:38:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/07/13	07:39:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/07/13	08:16:00.0	XRT_Custom_418_OG [0x1a2]					
2010/07/13	08:17:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/07/13	09:19:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	

Jul 12, 10 12:29

XRT_OGLIST_0371.chk

2010/07/13	09:54:30.0	XRT_Custom_418_OG [0x1a2]							
2010/07/13	09:55:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/13	11:04:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/13	11:33:00.0	XRT_Custom_418_OG [0x1a2]							
2010/07/13	11:34:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/13	12:42:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/13	13:11:30.0	XRT_Custom_418_OG [0x1a2]							
2010/07/13	13:12:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/13	14:21:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/13	14:57:30.0	XRT_Custom_418_OG [0x1a2]							
2010/07/13	14:58:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/13	15:59:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/13	16:45:00.0	XRT_Custom_418_OG [0x1a2]							
2010/07/13	16:46:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/13	17:38:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/13	18:21:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/13	18:21:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/07/13	18:22:00.0	AOCS_Orе-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/07/13	18:22:16.0	XRT_FLD_DIS_402_OG [0x192]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/07/13	18:22:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/07/13	18:22:20.0	XRT_ARS_DIS_404_OG [0x194]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/07/13	18:24:58.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03				
2010/07/13	18:25:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/13	18:31:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/13	18:31:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/07/13	18:32:16.0	XRT_FLD_DIS_402_OG [0x192]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/07/13	18:32:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/07/13	18:32:20.0	XRT_ARS_DIS_404_OG [0x194]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/07/13	18:34:58.0	XRT_QT_PROG_SET_441_OG [0x1b9]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2010/07/13	18:35:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/13	19:16:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/13	22:21:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/13	22:21:56.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/07/13	22:22:00.5	AOCS_Orе-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2010/07/13	22:22:16.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/07/13	22:22:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/07/13	22:22:20.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/07/13	22:22:22.0	XRT_ARS_DIS_420_OG [0x1a4]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/07/13	22:24:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 14				
2010/07/13	22:24:58.0	XRT_FL_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 01				
2010/07/13	22:25:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/13	22:33:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/13	23:11:00.0	XRT_Custom_418_OG [0x1a2]							
2010/07/13	23:12:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/14	00:11:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/14	00:41:00.0	XRT_Custom_418_OG [0x1a2]							
2010/07/14	00:42:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/14	01:50:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/14	02:19:30.0	XRT_Custom_418_OG [0x1a2]							
2010/07/14	02:20:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/14	03:26:30.0	XRT_CTRL_MANU_408_OG [0x198]							

Jul 12, 10 12:29

XRT_OGLIST_0371.chk

Page 4/4

2010/07/14	03:58:00.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/07/14	03:59:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]					
2010/07/14	04:57:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/07/14	05:36:30.0	XRT_Custom_418_OG [0x1a2]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/07/14	05:37:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]					
2010/07/14	05:53:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/07/14	05:53:26.0	XRT_FOCUS_POSITION_401_OG [0x191]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/07/14	05:53:30.0	AOCS_ORe-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2010/07/14	05:53:46.0	XRT_FLD_DIS_402_OG [0x192]	AOCU_NM	5	02-76	00 00 00 00 00	
2010/07/14	05:53:48.0	XRT_FLRCTRL_DIS_403_OG [0x193]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/07/14	05:53:50.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/07/14	05:56:28.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/07/14	05:56:30.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03	
2010/07/14	06:03:30.0	AOCS_ORe-point_Start_4_OG [0x09a]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/07/14	06:37:00.0	XRT_CTRL_MANU_408_OG [0x198]	AOCU_NM	5	02-76	01 e5 59 00 00	
2010/07/14	10:32:00.0	AOCS_ORe-point_Start_3_OG [0x099]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
			AOCU_NM	5	02-76	00 00 00 00 00	