

XRT Timeline to be uploaded on 2008/09/20

Period: 2008/09/20 09:57:00 - 2008/09/25 09:47:00

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Normal mode

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XOB #15C4: Polar Monitoring -Al/poly 16sec G-band 384x384												
Term	Pointing (x, y)						Comment					
09/20 10:09:00 - 09/20 20:14:54	Fixed (0.0, 900.0)						# OP start + 10min, HOP81 N-pole obs					
09/20 20:27:00 - 09/21 05:59:54	Fixed (0.0, 900.0)						# N-pole obs					
09/21 06:12:00 - 09/21 18:04:54	Fixed (0.0, 900.0)						# HOP81 N-pole obs					
09/21 18:17:00 - 09/22 06:23:24	Fixed (0.0, 900.0)						# N-pole obs					
09/22 06:35:30 - 09/22 17:47:00	Fixed (0.0, 900.0)						# HOP81 N-pole obs					
PROG= 05 Inf.-time(s)												
└ Subr= 1 20-time(s) 2.0sec												
└ Seqn= 35 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												
└ Seqn= 94 30-time(s) 4.0sec												
└ Al-poly/Open Al-poly/Open close Safe Norm 16.0s Obs 1x1 384x384 (1048, 1064) Q=90 0 0 60.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #15A3: Synoptic Q95 2x2 - Al/poly(512/5795) + Dark cal(512 Q98) + Ti-poly(723/11571) + G-band(16)												
Term	Pointing (x, y)						Comment					
09/20 20:17:00 - 09/20 20:24:54	Fixed (0.0, 0.0)						synoptic, shifted 2hrs					
09/21 18:07:00 - 09/21 18:14:54	Fixed (0.0, 0.0)						synoptic, shifted 5.0 min					
09/22 18:12:30 - 09/23 05:57:24	Fixed (0.0, 0.0)						synoptic, shifted 10.5 min					
PROG= 11 1-time(s)												
└ Subr= 1 1-time(s) 12.0sec												
└ Seqn= 18 1-time(s) 4.0sec												
└ Al-poly/Open Al-poly/Open close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└ Al-poly/Open Al-poly/thick-Al close Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└ Seqn= 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= 76 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 #15A4: Synoptic Q95 2x2 - Al/mesh(512/5795) + Dark cal(512 Q98) + Ti-poly(723/11571) + G-band(16)												
Term	Pointing (x, y)						Comment					
09/21 06:02:00 - 09/21 06:09:54	Fixed (0.0, 0.0)						synoptic					
09/22 06:25:30 - 09/22 06:33:24	Fixed (0.0, 0.0)						synoptic, shifted 23.5 min					
09/23 05:59:30 - 09/23 10:20:54	Fixed (0.0, 0.0)						synoptic, shifted -2.5 min					
PROG= 12 1-time(s)												
└ Subr= 1 1-time(s) 12.0sec												
└ Seqn= 87 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= 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= 76 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												

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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

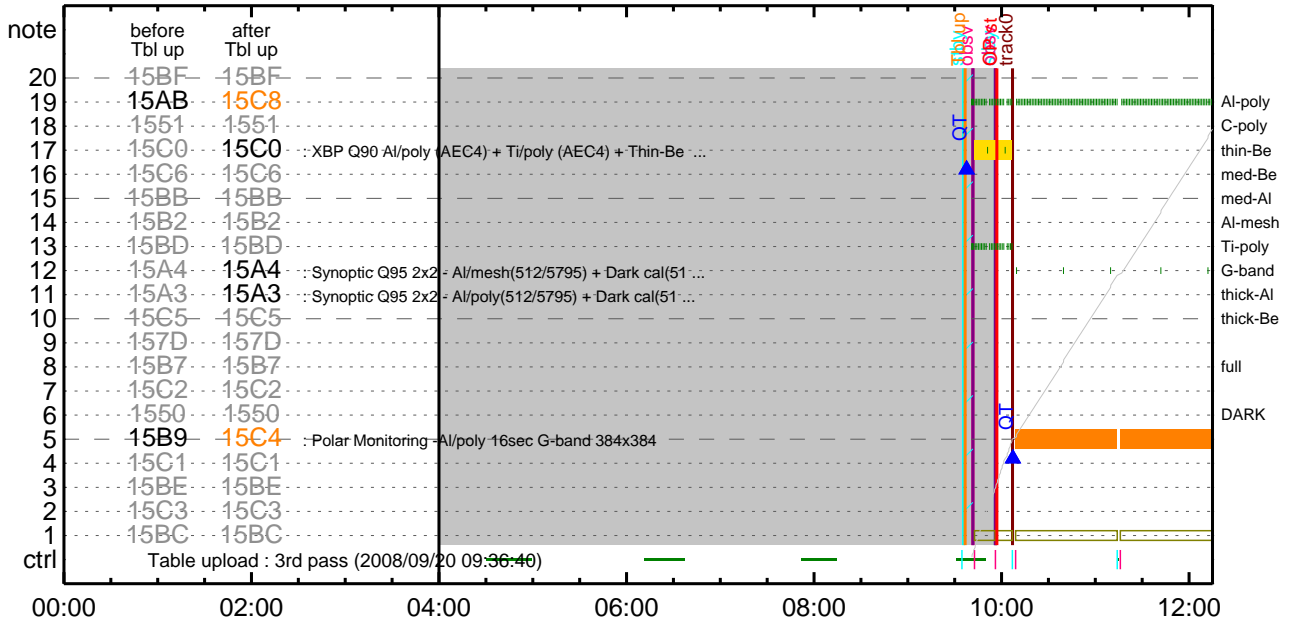
* * * * *

Flare Detection

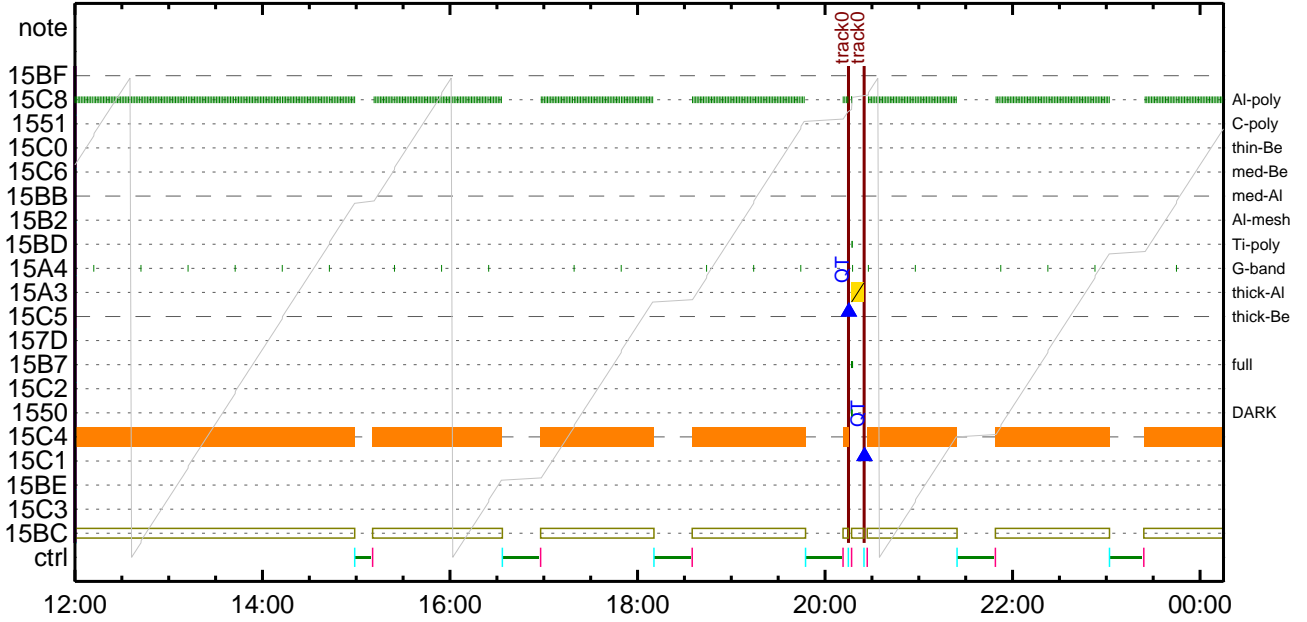
* * * * *

NOT USED

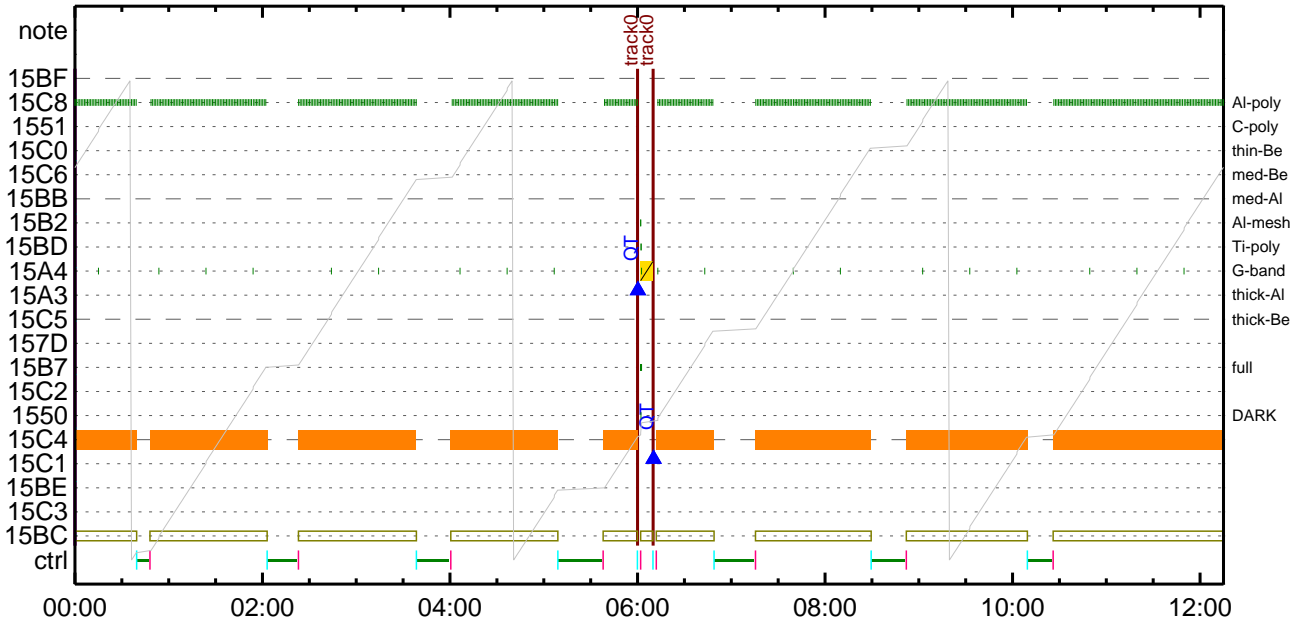
CMDI #0149 2008/09/20



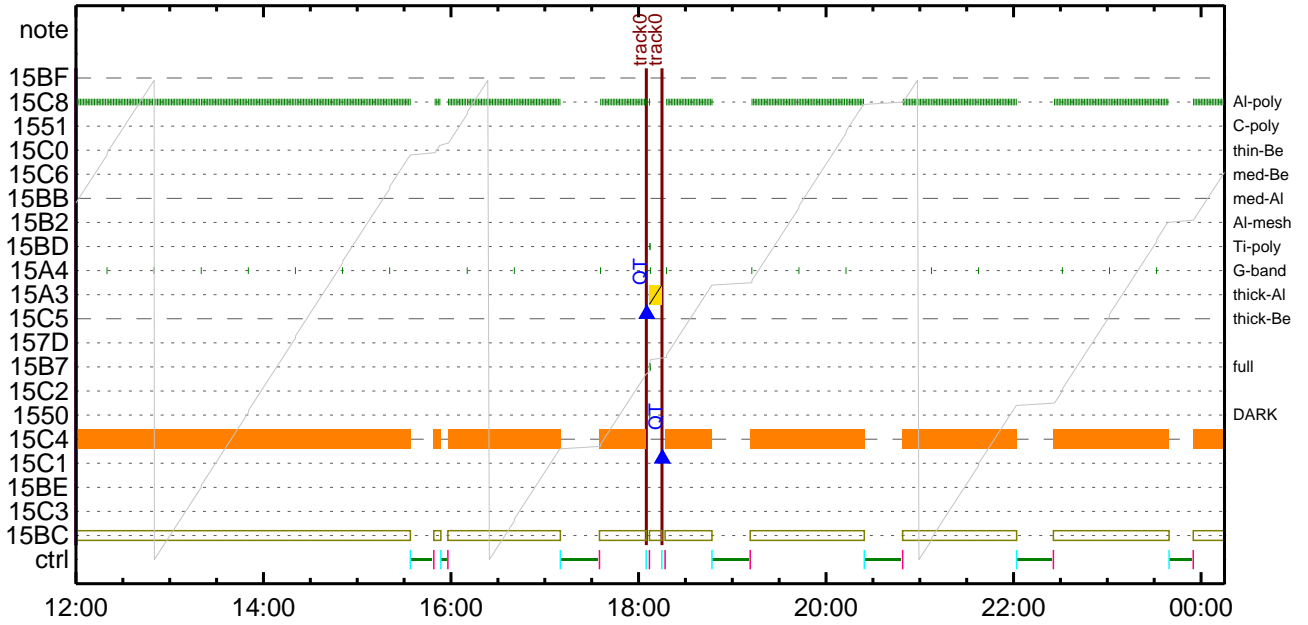
CMDI #0149 2008/09/20



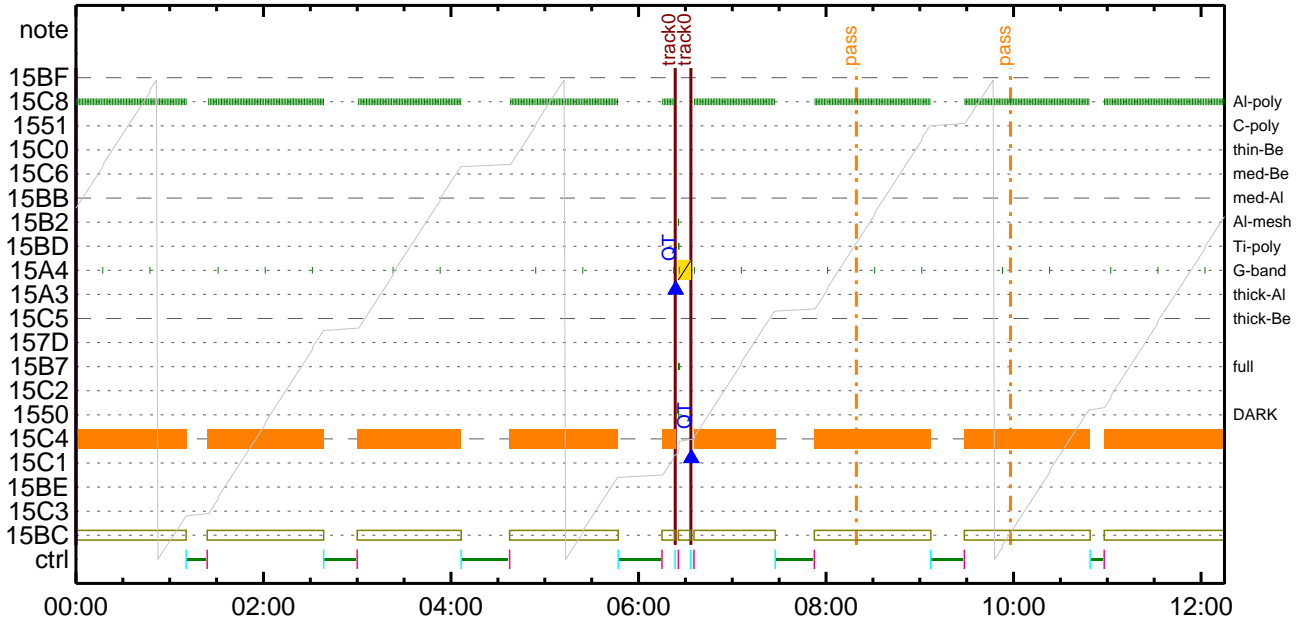
CMDI #0149 2008/09/21



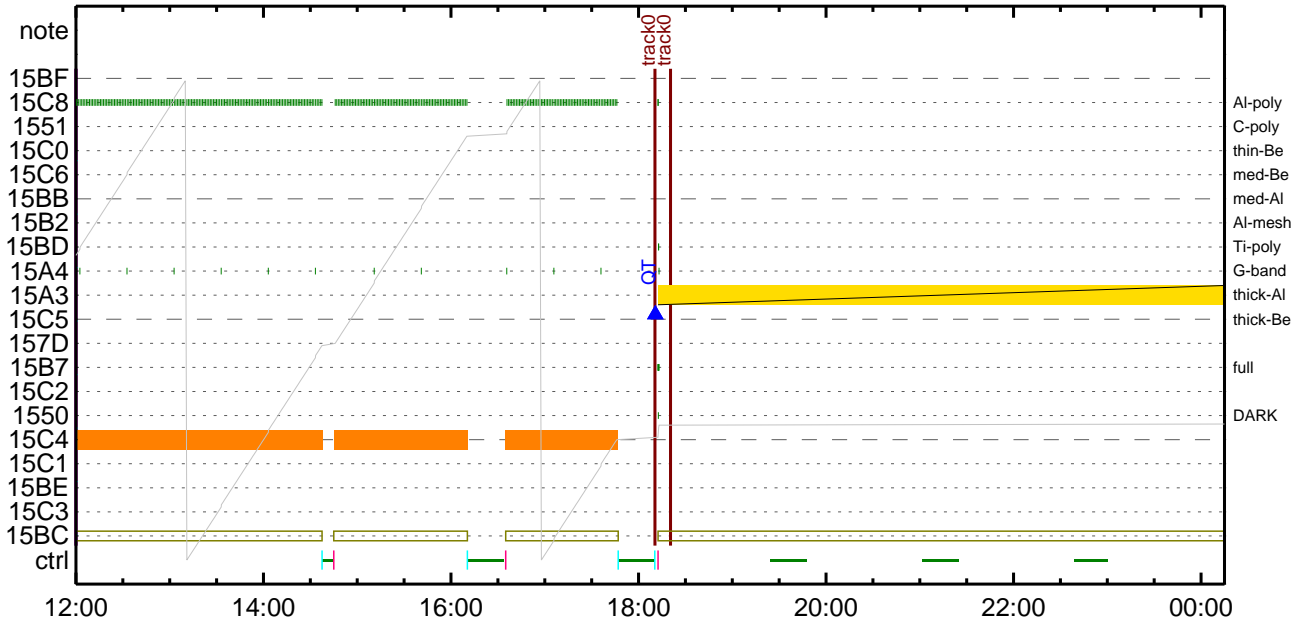
CMDI #0149 2008/09/21



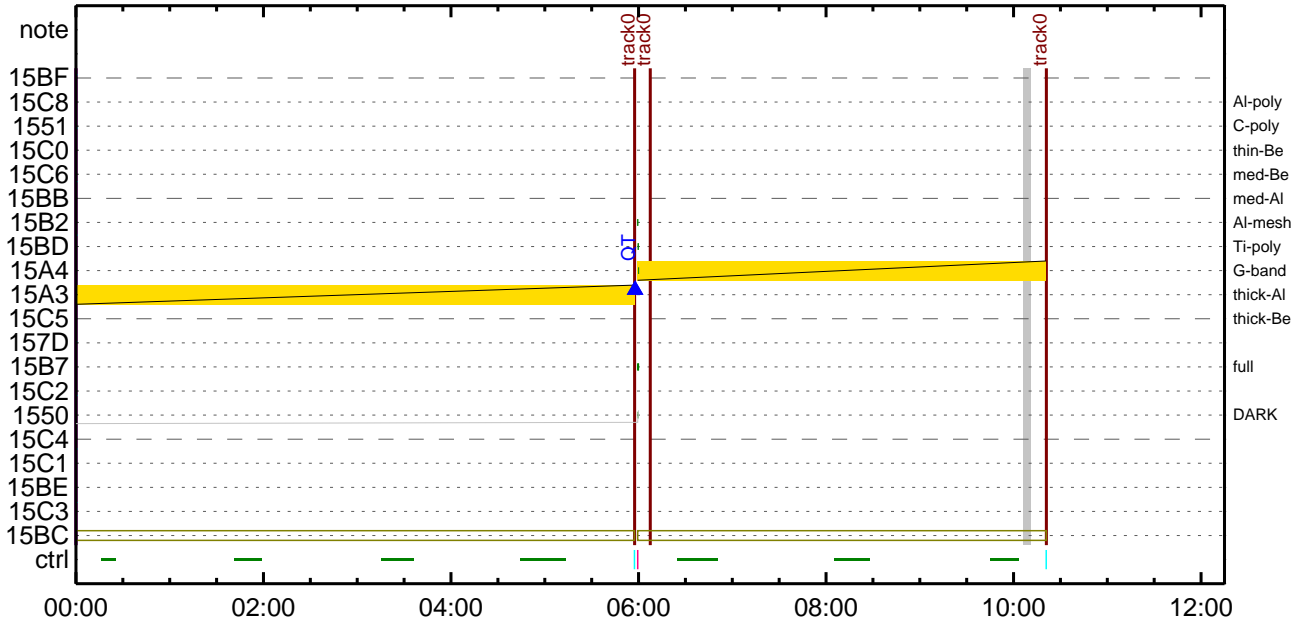
CMDI #0149 2008/09/22



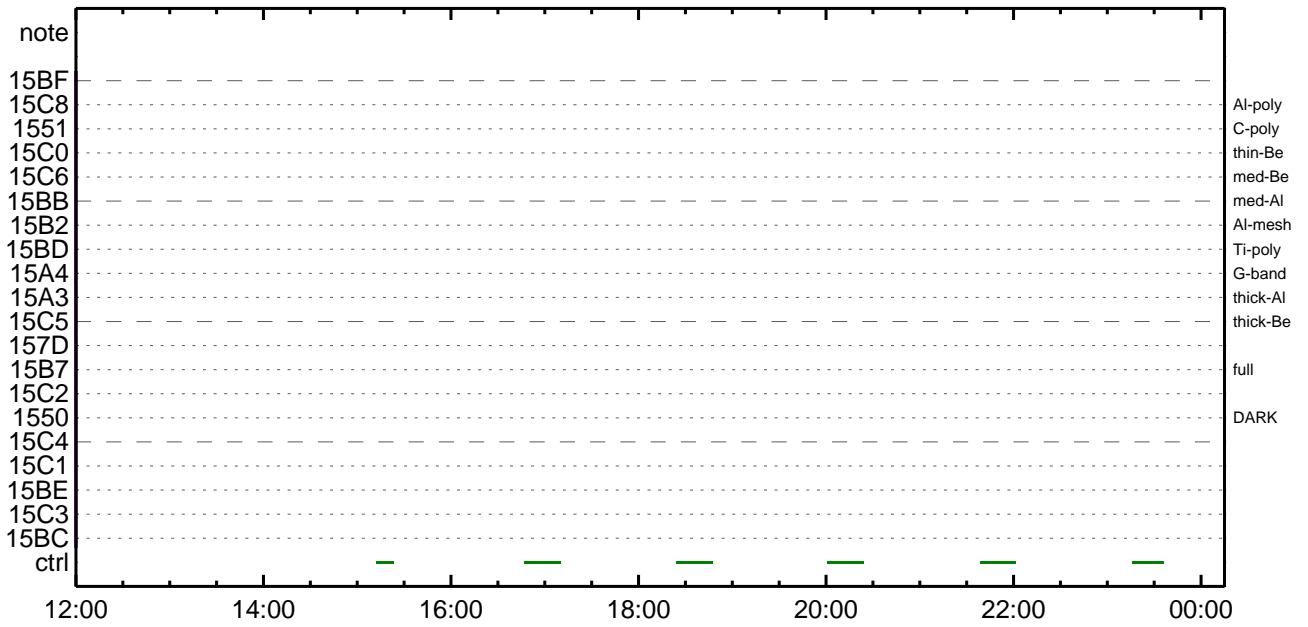
CMDI #0149 2008/09/22



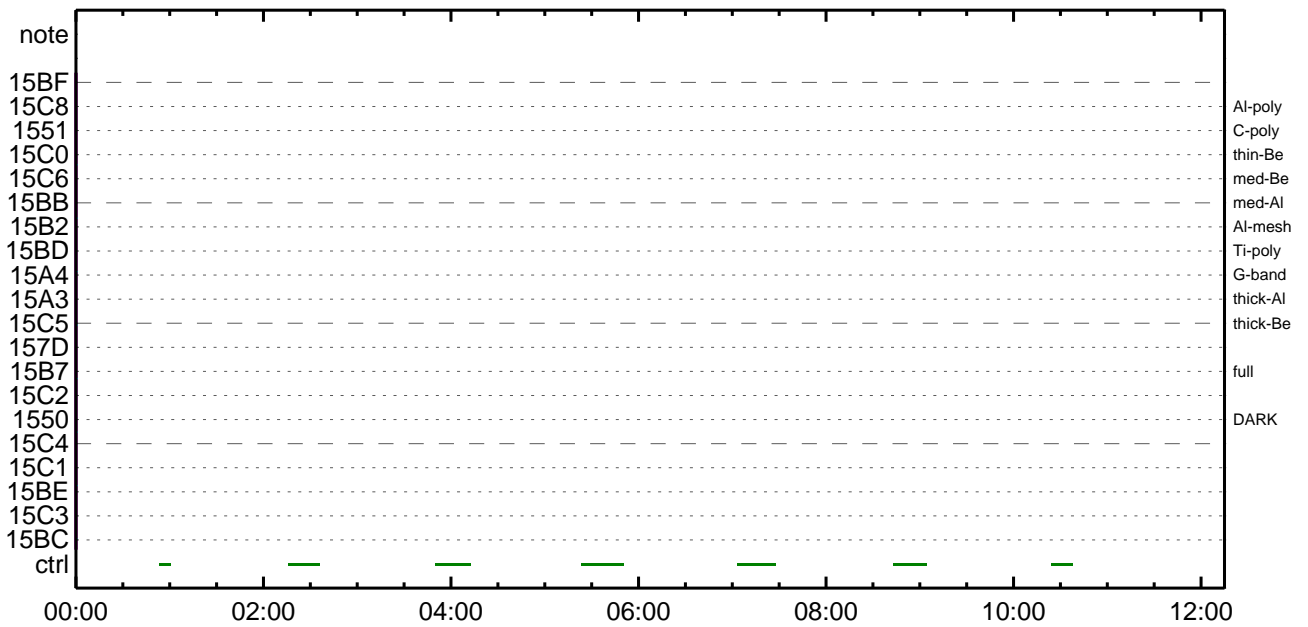
CMDI #0149 2008/09/23



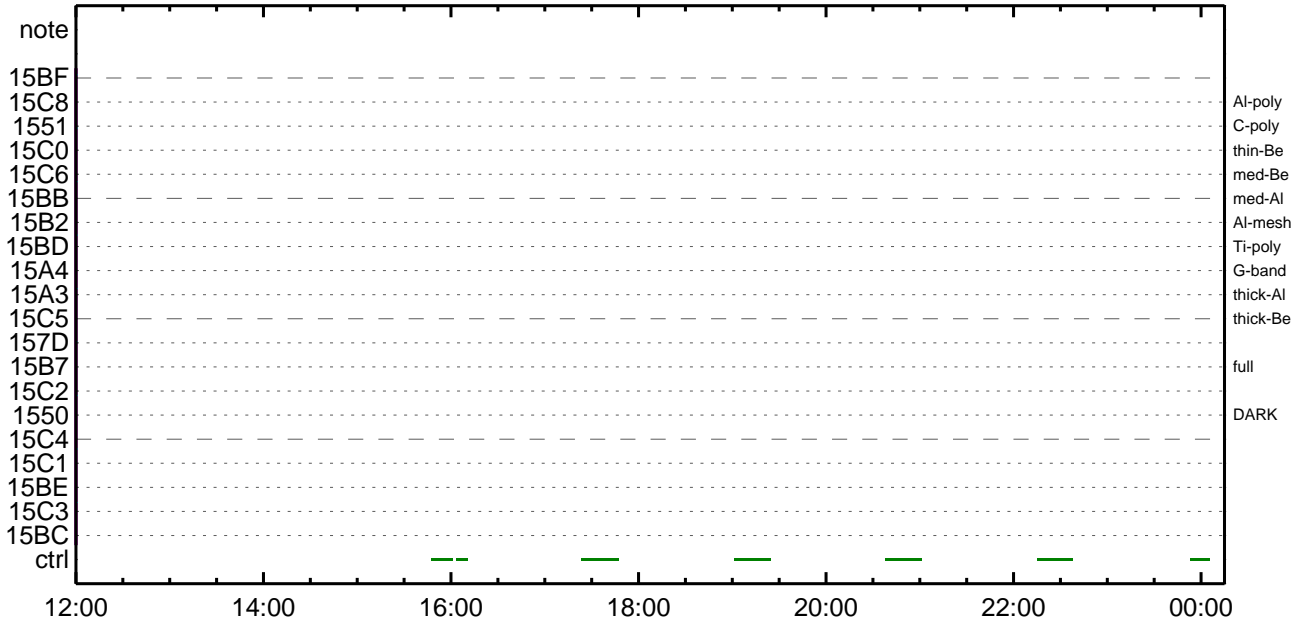
CMDI #0149 2008/09/23



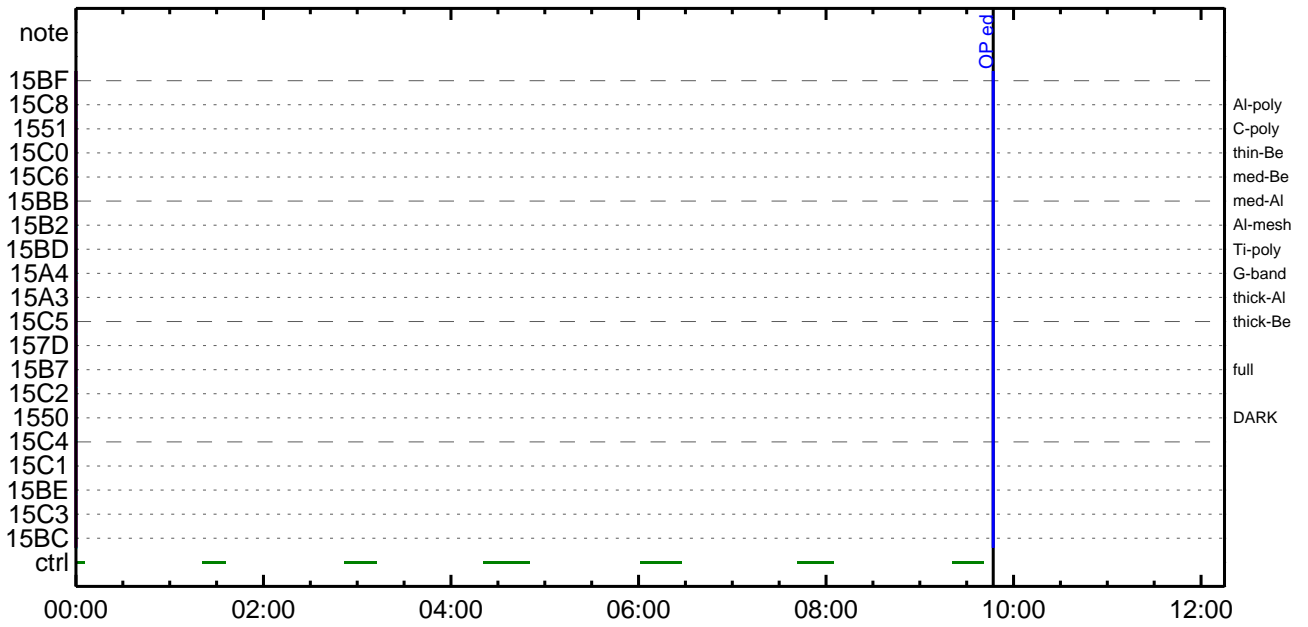
CMDI #0149 2008/09/24



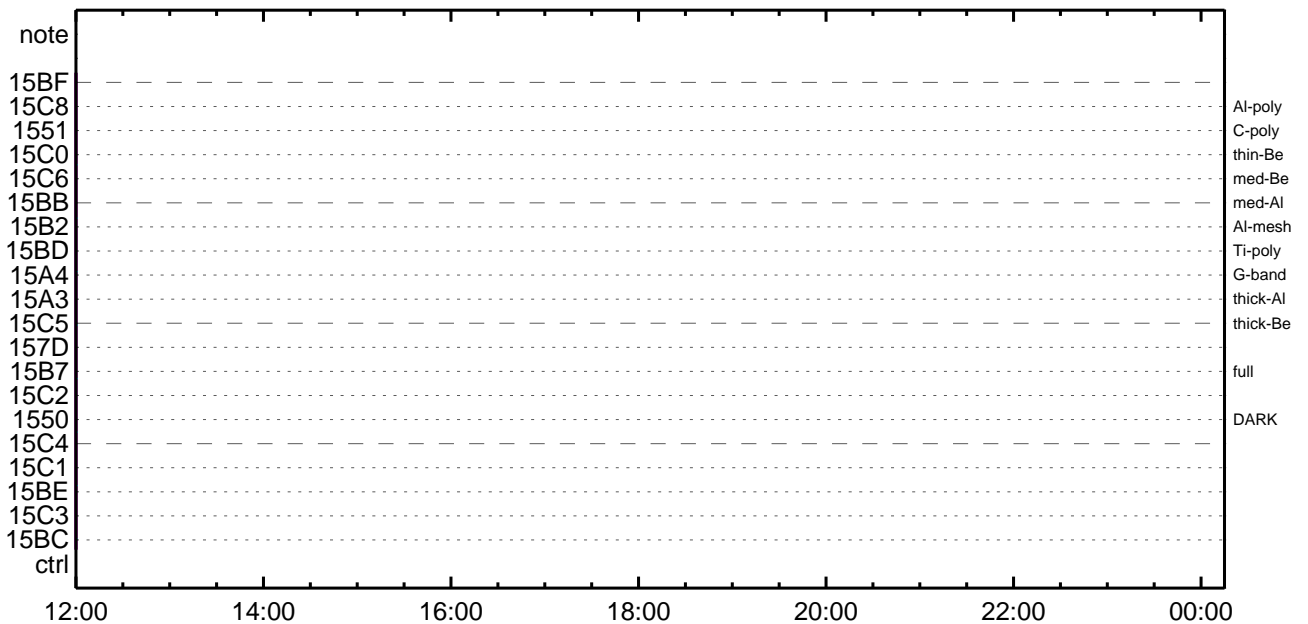
CMDI #0149 2008/09/24



CMDI #0149 2008/09/25



CMDI #0149 2008/09/25




```
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.
```


(a) Spacecraft Operation Procedure (real-commands)

```
main-147 2008-09-20 13:12:57 141 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;È¿ãÁã•µ°È»Í×ÁÇãÍYçYÁY×Yí;¼YÉ;ÈÈ%µ•íÉ;ÈÈ¼°ÇÓã•ã¿¼l¹çãÍ;çÁ®, ùã¹ããããããÇÁ+¿®ã•ãÈããã³ãÈ;f
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-267: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. < Stop SP table >
0036 +. DC 07-F0 MDP_SP_CTRL_MANU
0037 BC (61)
0038 C. -----
0039 C. MDP_SP_CTRL_MODE = MANU [ ]
0040 C. -----
0041 C.
0042 . C. <Upload SP Observation Table>
0043 . S. RAM ram-282:MDP_OBS_S
0044 ( )
0045 C.
0046 . C. < Dump RAMID=MDP_OBS_S >
0047 +. DC 07-F0 MDP_DUMP_SPTBL
0048 BC (83 07 00 00 00 38 b8)
0049 C. -----
0050 C. MDP_OBS_S verify = OK/NG [ ]
0051 C. -----
0052 C.
0053 C. *****
0054 C. SOT TI command set
0055 C. *****
0056 C. Execute, after the success of TBL upload.
0057 +. TI 2008-09-20 09:56:18.0
0058 DC 07-F0 MDP_SOT_MODE_OBSV
0059 BC (40)
0060 . C. -----
0061 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0062 C. -----
0063 C.
0064 C.
0065 C. ***** XRT START *****
0066 C.
0067 +. DC 07-F0 MDP_XRT_CTRL_MANU
0068 BC (c1)
0069 + DC 07-F0 MDP_XRT_MODE_STBY
0070 BC (c3)
0071 . C. ----- Success Verify ? OK / NG____
0072 C.
0073 C. XRT Obs. Table Upload
0074 . S. RAM ram-291:MDP_OBS_X
0075 ( )
0076 C.
0077 +. DC 07-F0 MDP_DUMP_XRTTBL
0078 BC (84 07 00 00 00 3a d4)
0079 . C. ----- Comparison Check ? OK / ERR ____
0080 C.
0081 C.
0082 +. DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 01 b1 b1 04 04)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 02 b1 b1 08 08)
0086 + DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 03 b1 b1 08 08)
0088 + DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 04 b1 b1 06 06)
0090 + DC 07-F0 MDP_XRT_ROI_SET
0091 BC (cd 06 80 80 06 06)
0092 + DC 07-F0 MDP_XRT_ROI_SET
0093 BC (cd 07 83 85 06 06)
0094 + DC 07-F0 MDP_XRT_ROI_SET
0095 BC (cd 08 80 80 20 20)
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0096 + DC 07-F0 MDP_XRT_ROI_SET
0097 BC (cd 0f 80 80 06 06)
0098 + DC 07-F0 MDP_XRT_ROI_SET
0099 BC (cd 10 80 80 04 04)
0100 + DC 07-F0 MDP_XRT_QT_PROG_SET
0101 BC (c4 11)
0102 + DC 07-F0 MDP_XRT_ARS_DIS
0103 BC (d5)
0104 + DC 07-F0 MDP_XRT_FLD_DIS
0105 BC (d9)
0106 + DC 07-F0 MDP_XRT_FLRCTRL_DIS
0107 BC (c9)
0108 . C. ----- Success Verify ? OK / NG ____
0109 C.
0110 C.
0111 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0112 C.
0113 + DC 07-F0 MDP_XRT_MODE_OBSV
0114 BC (c2)
0115 + DC 07-F0 MDP_XRT_CTRL_AUTO
0116 BC (c0)
0117 + TI 2008-09-20 09:56:02.0
0118 DC 07-F0 MDP_XRT_MODE_OBSV
0119 BC (c2)
0120 + TI 2008-09-20 09:56:04.0
0121 DC 07-F0 MDP_XRT_CTRL_AUTO
0122 BC (c0)
0123 . C. ----- Success Verify ? OK / NG ____
0124 C.
0125 C. ***** XRT END *****
0126 C.
0127 . C. ***** MDP 'ûÃîñî»ò¼ÿñèÊÀð¹ñèDCBC•x²è *****
0128 C. (¼ã°îÿÓÿÃÿÈÿPÿËÿáÿçÿèñ¼çñ¼Ã»Ûñ¹ñè)
0129 . S. DC-BC dcbc-402:DCBC
0130 (MDP_known_event)
0131 C.
0132 C.
0133 . C. ***** ÿDÿ¹•î Daily±;îÑñÈ'Øñ¹ñèDCBC•x²è *****
0134 . S. DC-BC dcbc-153:DCBC
0135 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0136 C.
0137 C.
0138 . C. ;ãLOSÿÃÿSÿÿÿ¼Ã»Û;ã
0139 C.
0140 . C. ***** LOS *****
0141 C.
```

Sep 20, 08 13:13

XRT_OGLIST_0149.chk

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*** OP Sequence for XRT ***

2008/09/20	10:06:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/09/20	10:06:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2008/09/20	10:07:00.0	AOCS_Ore-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	00 b0 00 00 00
2008/09/20	10:07:16.0	XRT_QT_PROG_SET_443_OG [0x1bb]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05
2008/09/20	10:08:54.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2008/09/20	10:08:56.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2008/09/20	10:08:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2008/09/20	10:09:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/09/20	11:14:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/09/20	11:15:00.0	XRT_Custom_430_OG [0x1ae]			
2008/09/20	11:16:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/09/20	14:59:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/09/20	15:09:30.0	XRT_Custom_430_OG [0x1ae]			
2008/09/20	15:10:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/09/20	16:33:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/09/20	16:57:00.0	XRT_Custom_430_OG [0x1ae]			
2008/09/20	16:58:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/09/20	18:10:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/09/20	18:34:00.0	XRT_Custom_430_OG [0x1ae]			
2008/09/20	18:35:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/09/20	19:47:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/09/20	20:10:30.0	XRT_Custom_430_OG [0x1ae]			
2008/09/20	20:11:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/09/20	20:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/09/20	20:14:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2008/09/20	20:15:00.0	AOCS_Ore-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2008/09/20	20:15:16.0	XRT_QT_PROG_SET_409_OG [0x199]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2008/09/20	20:15:18.0	XRT_FLD_DIS_419_OG [0x1a3]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2008/09/20	20:15:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2008/09/20	20:15:22.0	XRT_ARS_DIS_427_OG [0x1ab]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2008/09/20	20:17:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/09/20	20:24:54.0	XRT_CTRL_MANU_428_OG [0x1ac]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/09/20	20:24:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2008/09/20	20:25:00.0	AOCS_Ore-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	00 b0 00 00 00
2008/09/20	20:25:16.0	XRT_QT_PROG_SET_443_OG [0x1bb]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05
2008/09/20	20:26:54.0	XRT_ARS_DIS_422_OG [0x1a6]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2008/09/20	20:26:56.0	XRT_FLD_DIS_445_OG [0x1bd]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2008/09/20	20:26:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2008/09/20	20:27:00.0	XRT_CTRL_AUTO_403_OG [0x193]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/09/20	21:24:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/09/20	21:48:00.0	XRT_Custom_430_OG [0x1ae]			
2008/09/20	21:49:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/09/20	23:02:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/09/20	23:23:00.0	XRT_Custom_430_OG [0x1ae]			
2008/09/20	23:24:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/09/21	00:39:30.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/09/21	00:47:00.0	XRT_Custom_430_OG [0x1ae]			
2008/09/21	00:48:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2008/09/21	02:03:00.0	XRT_CTRL_MANU_435_OG [0x1b3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2008/09/21	02:22:00.0	XRT_Custom_430_OG [0x1ae]			

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2008/09/21	02:23:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/21	03:38:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/21	03:59:30.0	XRT_Custom_430_OG [0x1ae]							
2008/09/21	04:00:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/21	05:09:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/21	05:37:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/21	05:38:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/21	05:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/21	05:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/09/21	06:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2008/09/21	06:00:16.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2008/09/21	06:00:18.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/09/21	06:00:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/09/21	06:00:22.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/09/21	06:02:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/21	06:09:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/21	06:09:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2008/09/21	06:10:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00 b0 00 00 00				
2008/09/21	06:10:16.0	XRT_QT_PROG_SET_443_OG [0x1bb]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05				
2008/09/21	06:11:54.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/09/21	06:11:56.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/09/21	06:11:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/09/21	06:12:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/21	06:49:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/21	07:14:30.0	XRT_Custom_430_OG [0x1ae]							
2008/09/21	07:15:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/21	08:29:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/21	08:51:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/21	08:52:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/21	10:09:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/21	10:25:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/21	10:26:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/21	15:34:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/21	15:48:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/21	15:49:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/21	15:53:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/21	15:57:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/21	15:58:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/21	17:10:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/21	17:34:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/21	17:35:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/21	18:04:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/21	18:04:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/09/21	18:05:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2008/09/21	18:05:16.0	XRT_QT_PROG_SET_409_OG [0x199]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b				
2008/09/21	18:05:18.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/09/21	18:05:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/09/21	18:05:22.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/09/21	18:07:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/21	18:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/21	18:14:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							

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2008/09/21	18:15:00.0	AOCS_Or-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
		AOCU_NM		5	02-76	00	b0	00	00
2008/09/21	18:15:16.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	05		
2008/09/21	18:16:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2008/09/21	18:16:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2008/09/21	18:16:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2008/09/21	18:17:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/21	18:47:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/21	19:10:30.0	XRT_Custom_430_OG [0x1ae]							
2008/09/21	19:11:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/21	20:24:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/21	20:48:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/21	20:49:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/21	22:02:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/21	22:24:30.0	XRT_Custom_430_OG [0x1ae]							
2008/09/21	22:25:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/21	23:39:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/21	23:54:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/21	23:55:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/22	01:10:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/22	01:23:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/22	01:24:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/22	02:38:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/22	02:59:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/22	03:00:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/22	04:06:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/22	04:36:30.0	XRT_Custom_430_OG [0x1ae]							
2008/09/22	04:37:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/22	05:47:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/22	06:14:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/22	06:15:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/22	06:23:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/22	06:23:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
2008/09/22	06:23:30.0	AOCS_Or-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
		AOCU_NM		5	02-76	00	00	00	00
2008/09/22	06:23:46.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c		
2008/09/22	06:23:48.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2008/09/22	06:23:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2008/09/22	06:23:52.0	XRT_ARS_DIS_427_OG [0x1ab]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2008/09/22	06:25:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/22	06:33:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/22	06:33:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
2008/09/22	06:33:30.0	AOCS_Or-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
		AOCU_NM		5	02-76	00	b0	00	00
2008/09/22	06:33:46.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	05		
2008/09/22	06:35:24.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2008/09/22	06:35:26.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2008/09/22	06:35:28.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2008/09/22	06:35:30.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/22	07:27:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/22	07:51:30.0	XRT_Custom_430_OG [0x1ae]							
2008/09/22	07:52:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/22	09:07:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/22	09:27:30.0	XRT_Custom_430_OG [0x1ae]							

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2008/09/22	09:28:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/22	10:49:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/22	10:57:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/22	10:58:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/22	14:37:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/22	14:44:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/22	14:45:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/22	16:10:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/22	16:34:00.0	XRT_Custom_430_OG [0x1ae]							
2008/09/22	16:35:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/22	17:47:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/22	18:10:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/22	18:10:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/09/22	18:10:30.5	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2008/09/22	18:10:46.0	XRT_QT_PROG_SET_409_OG [0x199]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b				
2008/09/22	18:10:48.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/09/22	18:10:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/09/22	18:10:52.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/09/22	18:12:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/22	18:20:30.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00 b0 00 00 00				
2008/09/23	05:57:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/23	05:57:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/09/23	05:57:30.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2008/09/23	05:57:46.0	XRT_QT_PROG_SET_429_OG [0x1ad]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2008/09/23	05:57:48.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/09/23	05:57:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/09/23	05:57:52.0	XRT_ARS_DIS_427_OG [0x1ab]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/09/23	05:59:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/09/23	06:07:30.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00 b0 00 00 00				
2008/09/23	10:20:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/09/23	10:21:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				