

XRT Timeline to be uploaded on 2010/03/13

Period: 2010/03/13 10:27:00 - 2010/03/18 10:50:00

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Normal mode

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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										
03/13 10:46:00 - 03/13 14:59:54	Track (	-348.1, 338.5)	@ 03/13 10:37:00	AR11054									
03/13 18:13:00 - 03/14 05:46:24	Track (	-283.8, 341.4)	@ 03/13 18:10:00	AR11054									
03/14 05:59:28 - 03/14 15:01:00	Track (	-180.6, 344.5)	@ 03/14 05:56:30	AR11054									
03/15 10:03:00 - 03/15 17:53:24	Track (	72.1, 345.9)	@ 03/15 10:00:00	AR11054									
03/15 18:06:28 - 03/15 22:04:30	Track (	144.5, 344.7)	@ 03/15 18:03:30	AR11054									
03/16 06:39:30 - 03/16 09:10:00	Track (	255.3, 341.5)	@ 03/16 06:36:30	AR11054									
PROG= 07 Inf.-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 13 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= 15 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= 20 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 #1793: HOP 152 - Ti/Poly - 384x384 - AEC0 - 5796ms - 40s cad - G-band Co-align- 1064 1048													
Term	Pointing (x, y)		Comment										
03/13 15:03:00 - 03/13 17:36:00	Track (-16.0, -7.1)	@ 03/13 15:00:00	HOP152 (tracking QS at disk center)									
03/14 18:02:30 - 03/15 09:59:54	Fixed (-16.0, -921.0)		HOP101 (Helioseismology, South Pole)									
PROG= 12 Inf.-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 13 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= 21 20-time(s) 40.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	5.66s	Obs	1x1	384x384 (1064, 1048)	Q=92	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1754: Synoptic Q95 2x2 - Al/mesh(64/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(128/2048) + G-band(16													
Term	Pointing (x, y)		Comment										
03/13 18:03:00 - 03/13 18:09:54	Fixed (	0.0, 0.0)		synoptic									
03/14 05:49:30 - 03/14 05:56:24	Fixed (	0.0, 0.0)		synoptic, shifted -13.5 min									
03/14 17:52:30 - 03/14 17:59:24	Fixed (	0.0, 0.0)		synoptic, shifted -10.5 min									
03/15 17:56:30 - 03/15 18:03:24	Fixed (	0.0, 0.0)		synoptic, shifted -6.5 min									
03/16 06:29:30 - 03/16 06:36:24	Fixed (	0.0, 0.0)		synoptic, shifted 26.5 min									
PROG= 01 1-time(s)													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 6 1-time(s) 4.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	63ms	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= 7 1-time(s) 4.0sec													
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	125ms	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 #1791: HOP 152 - Ti/Poly - 384x384 - AEC3 - 10s cad - G-band Co-align and Al/mesh													
Term	Pointing (x, y)		Comment										
03/14 15:13:58 - 03/14 17:49:24	Track (-99.5, 345.9)	@ 03/14 15:00:00	HOP152 (AR11054)									
PROG= 11 Inf.-time(s)													
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 13 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= 20 10-time(s) 2.0sec													
	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
└─ Subr= 1 3-time(s) 2.0sec													
└─ Seqn= 13 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= 18	120-time(s)	10.0sec										
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	250ms	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 #174E: HOP81 2-filter - Ti/poly 8s, Al/mesh 4s, G-band - 384x384

Term	Pointing (x, y)	Comment
03/15 22:27:30 - 03/16 06:26:24	Fixed (-16.0, -947.0)	HOP081 (Day1: South Pole)

PROG= 10 1-time(s)

Subr= 1 1-time(s) 2.0sec												
Seqn= 19 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Subr= 2 30-time(s) 2.0sec												
Seqn= 14 2-time(s) 30.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1747: Dark - Open+Thick-Be - 8x8 - 512x512

Term	Pointing (x, y)	Comment
03/16 09:16:58 - 03/16 09:17:58	Fixed (0.0, 0.0)	Backup plan

PROG= 08 1-time(s)

Subr= 1 1-time(s) 2.0sec												
Seqn= 16 1-time(s) 2.0sec												
Open/thick-Be	Open/thick-Be	close	Safe	Dark	63ms	Obs	8x8	512x512 (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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XOB #1776: Flare Response short exp at first- Dynamics - Thick-Al - Thick-Be - AEC 1 - 384x384 - Q95

Term	Pointing (x, y)	Comment
03/13 10:46:00 - 03/13 14:59:54	Track (-348.1, 338.5) ^{Ⓜ 03/13 10:37:00}	AR11054
03/13 15:03:00 - 03/13 17:36:00	Track (-16.0, -7.1) ^{Ⓜ 03/13 15:00:00}	HOP152 (tracking QS at disk center)
03/13 18:13:00 - 03/14 05:46:24	Track (-283.8, 341.4) ^{Ⓜ 03/13 18:10:00}	AR11054
03/14 05:59:28 - 03/14 15:01:00	Track (-180.6, 344.5) ^{Ⓜ 03/14 05:56:30}	AR11054
03/14 15:13:58 - 03/14 17:49:24	Track (-99.5, 345.9) ^{Ⓜ 03/14 15:00:00}	HOP152 (AR11054)
03/14 18:02:30 - 03/15 09:59:54	Fixed (-16.0, -921.0)	HOP101 (Helioseismology, South Pole)
03/15 10:03:00 - 03/15 17:53:24	Track (72.1, 345.9) ^{Ⓜ 03/15 10:00:00}	AR11054
03/15 18:06:28 - 03/15 22:04:30	Track (144.5, 344.7) ^{Ⓜ 03/15 18:03:30}	AR11054
03/15 22:27:30 - 03/16 06:26:24	Fixed (-16.0, -947.0)	HOP081 (Day1: South Pole)
03/16 06:39:30 - 03/16 09:10:00	Track (255.3, 341.5) ^{Ⓜ 03/16 06:36:30}	AR11054

PROG= 02 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	

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Active Region Search

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NOT USED

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Flare Detection

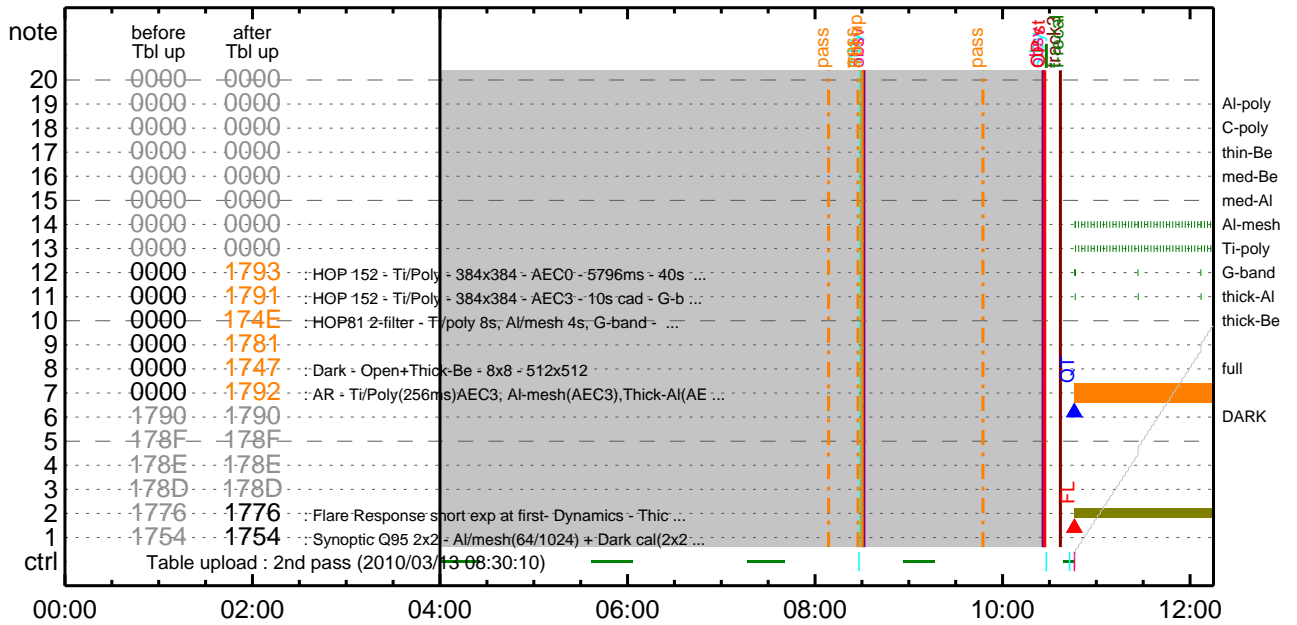
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FLD Patrol

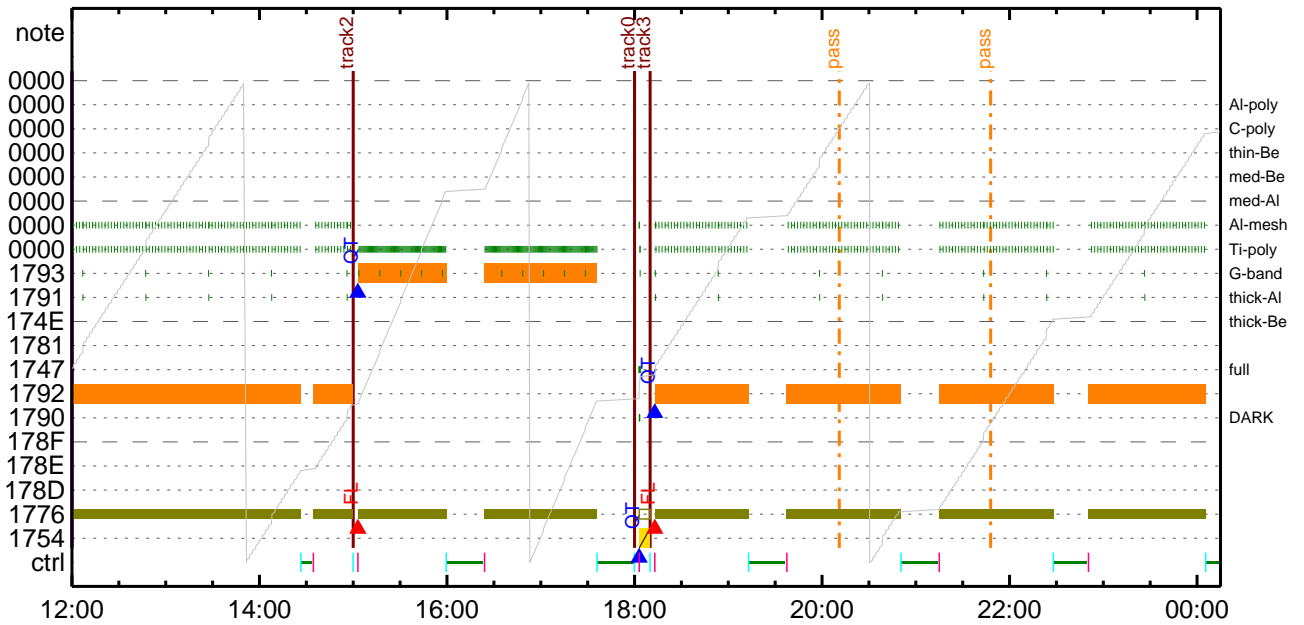
Term	Pointing (x, y)	Comment
03/13 10:43:16 - 03/13 18:00:16	Track (-348.1, 338.5) ^{Ⓜ 03/13 10:37:00}	AR11054
03/13 18:10:16 - 03/14 05:46:46	Track (-283.8, 341.4) ^{Ⓜ 03/13 18:10:00}	AR11054
03/14 05:56:46 - 03/14 17:49:46	Track (-180.6, 344.5) ^{Ⓜ 03/14 05:56:30}	AR11054
03/14 17:59:46 - 03/15 17:53:46	Fixed (-16.0, -921.0)	HOP101 (Helioseismology, South Pole)
03/15 18:03:46 - 03/16 06:26:46	Track (144.5, 344.7) ^{Ⓜ 03/15 18:03:30}	AR11054
03/16 06:36:46 - 03/16 09:14:16	Track (255.3, 341.5) ^{Ⓜ 03/16 06:36:30}	AR11054

Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8ms	Obs	8x8	Q=50		120sec
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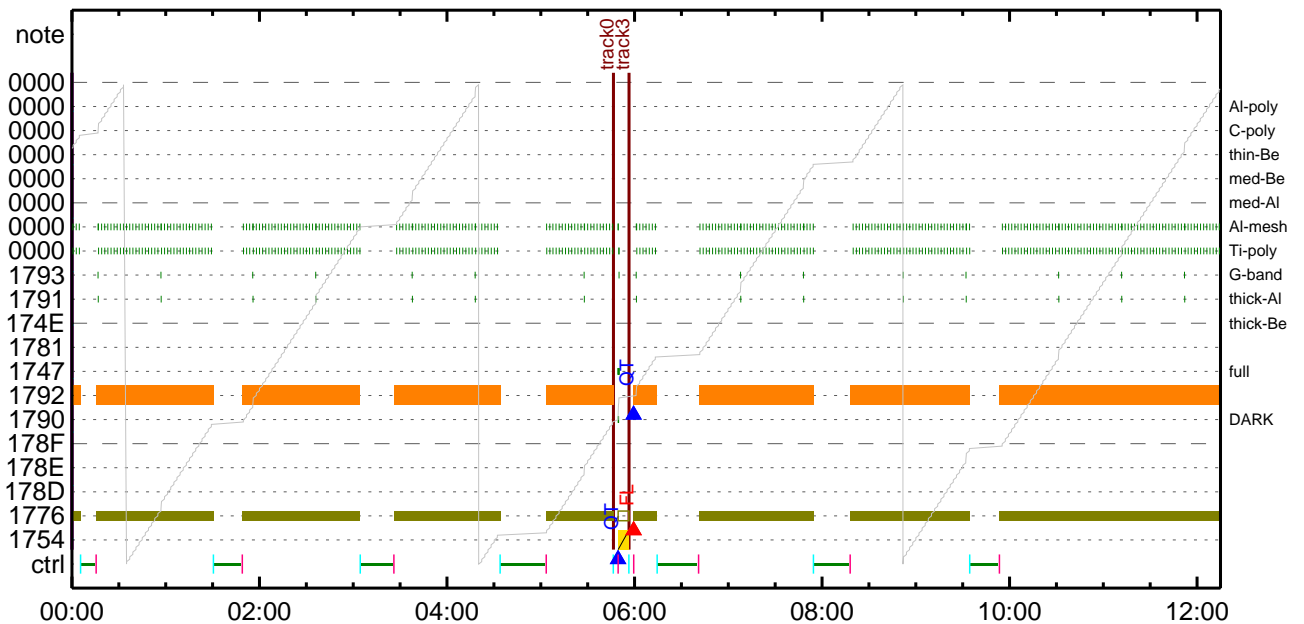
CMDI #0154 2010/03/13



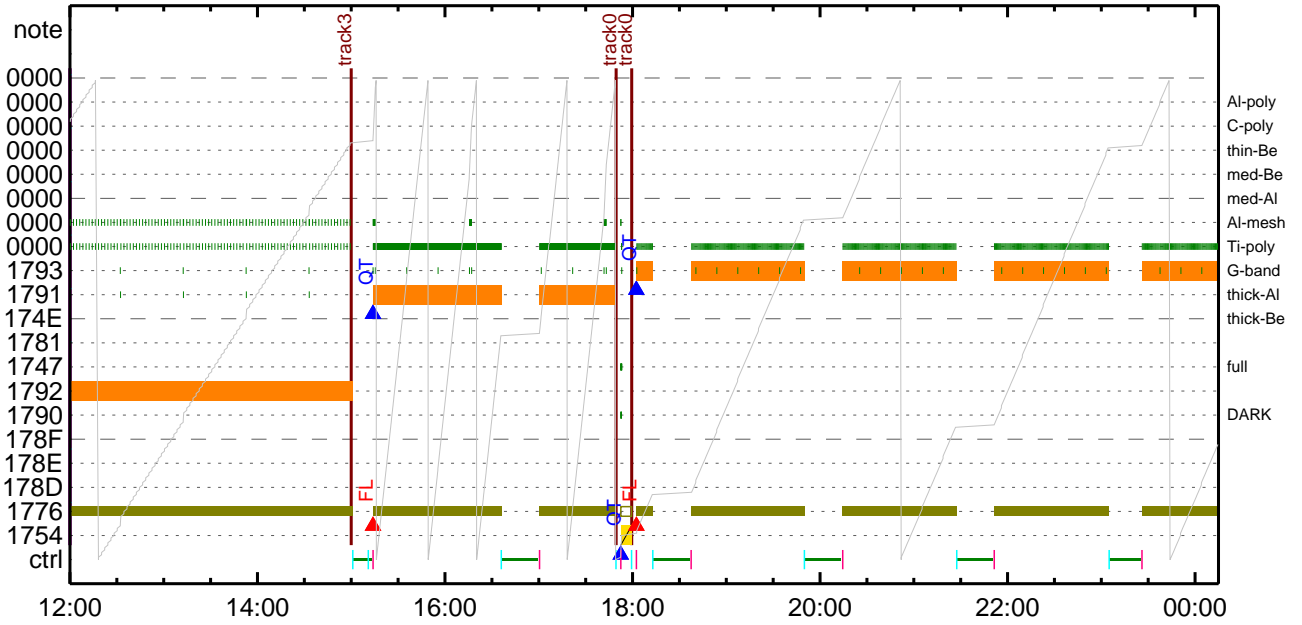
CMDI #0154 2010/03/13



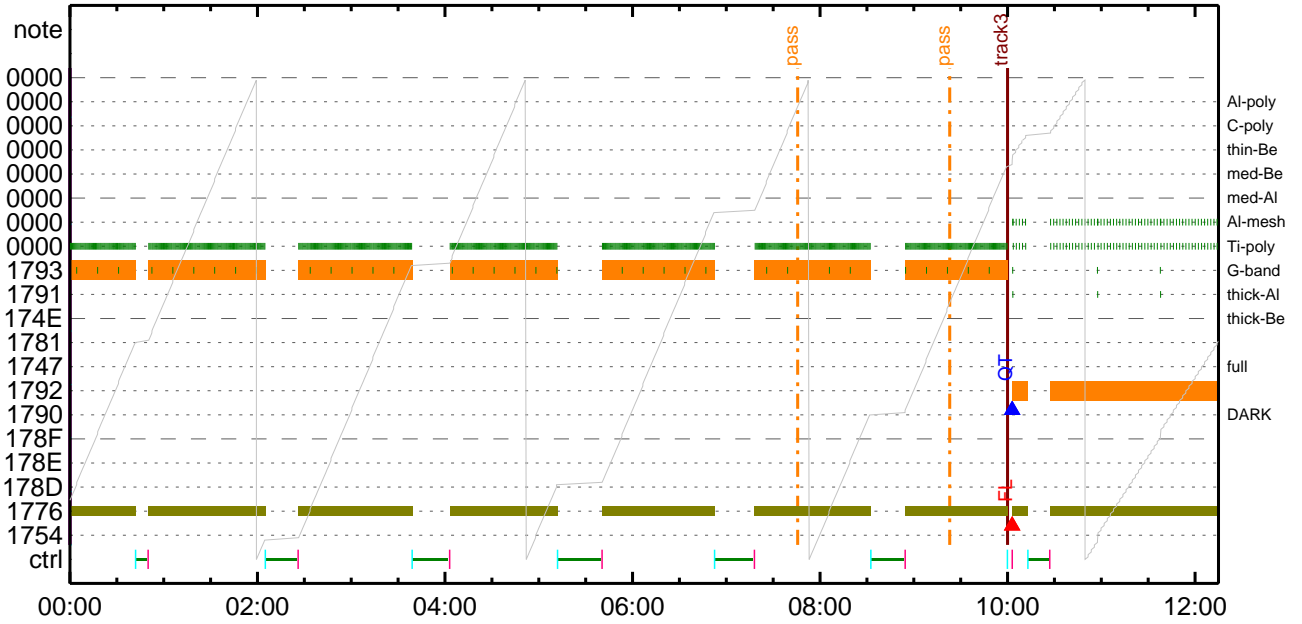
CMDI #0154 2010/03/14



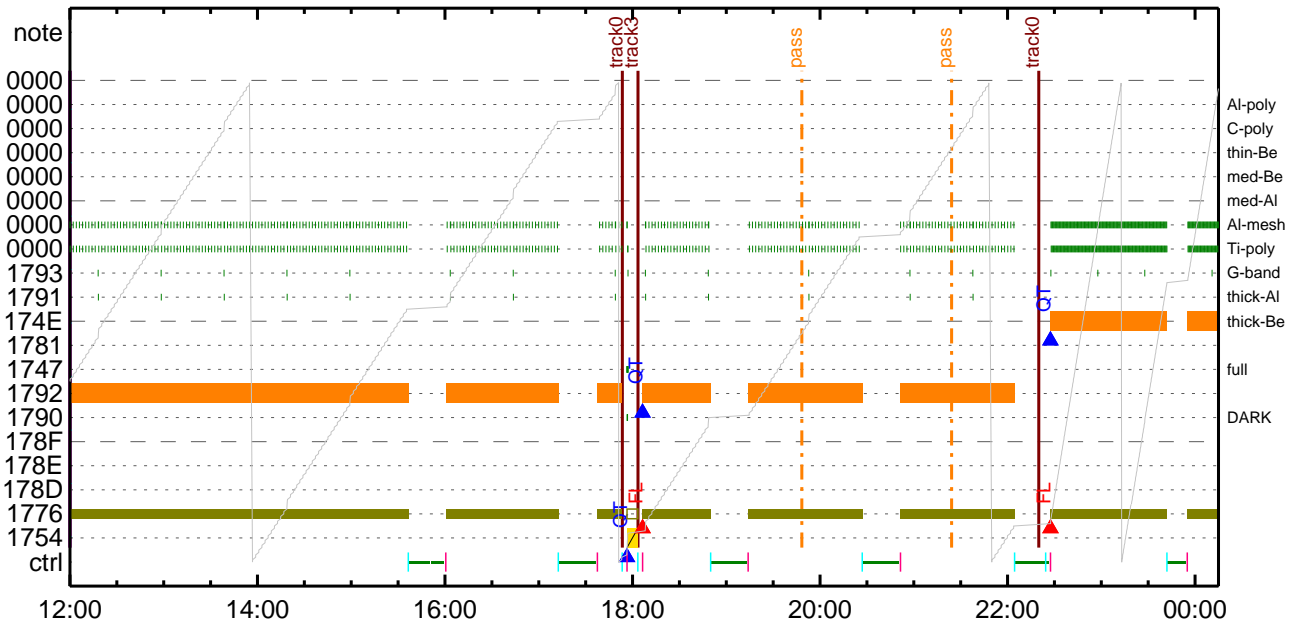
CMDI #0154 2010/03/14



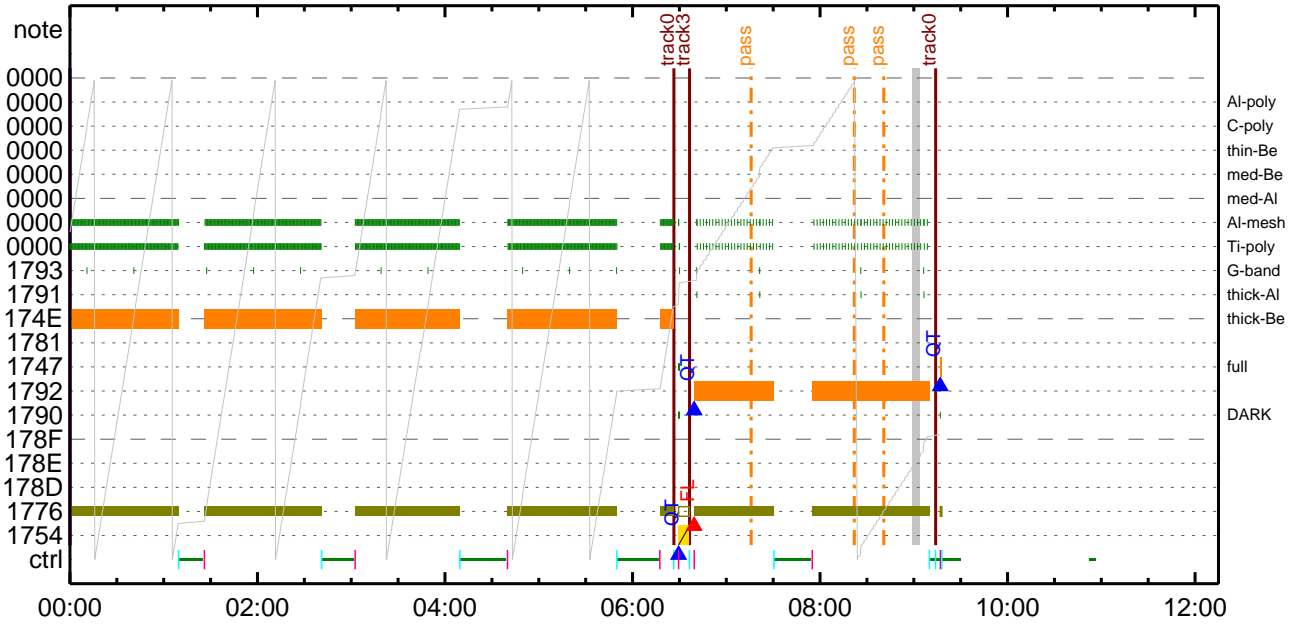
CMDI #0154 2010/03/15



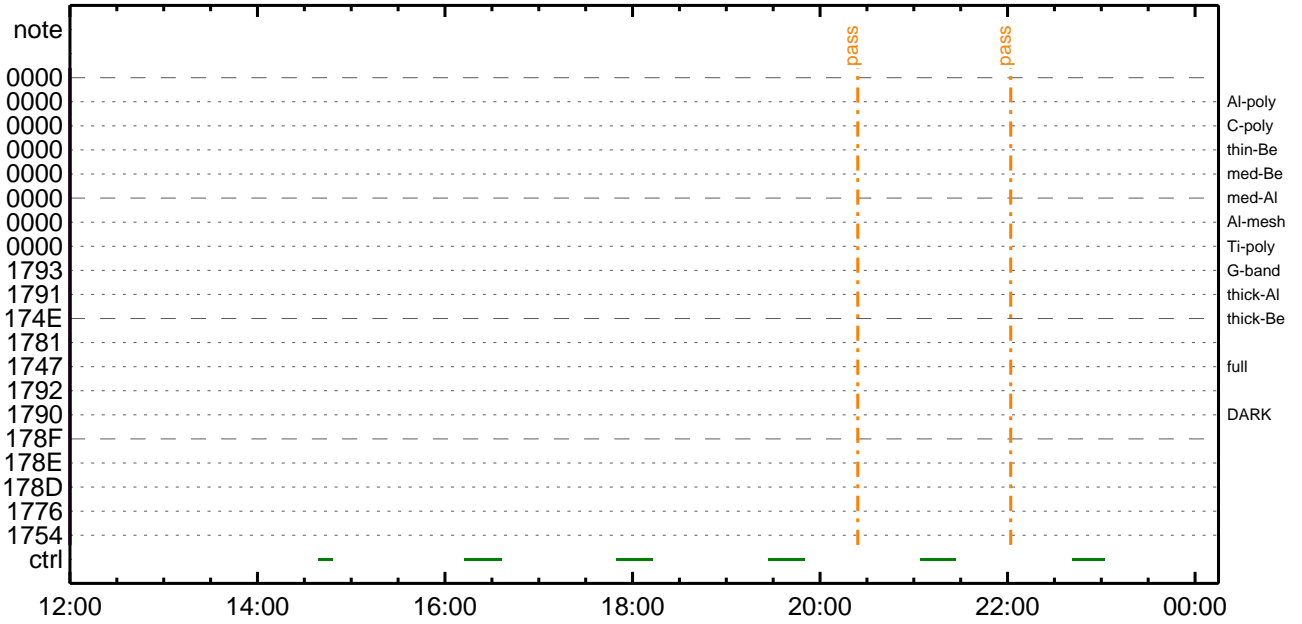
CMDI #0154 2010/03/15



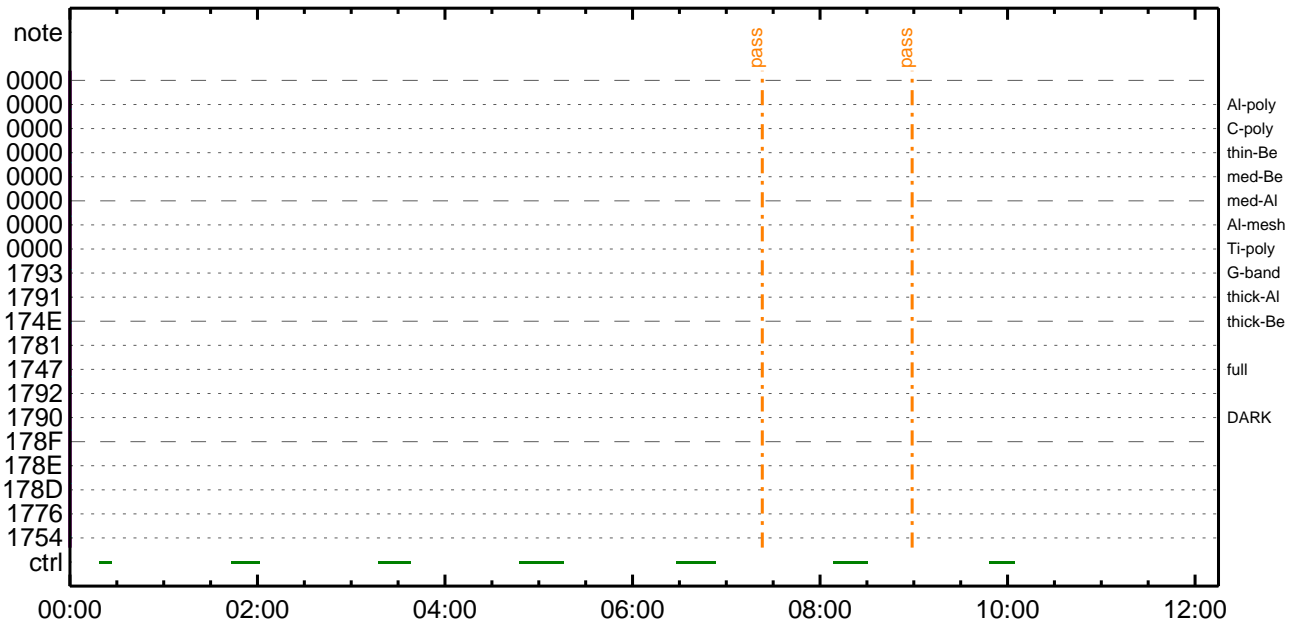
CMDI #0154 2010/03/16



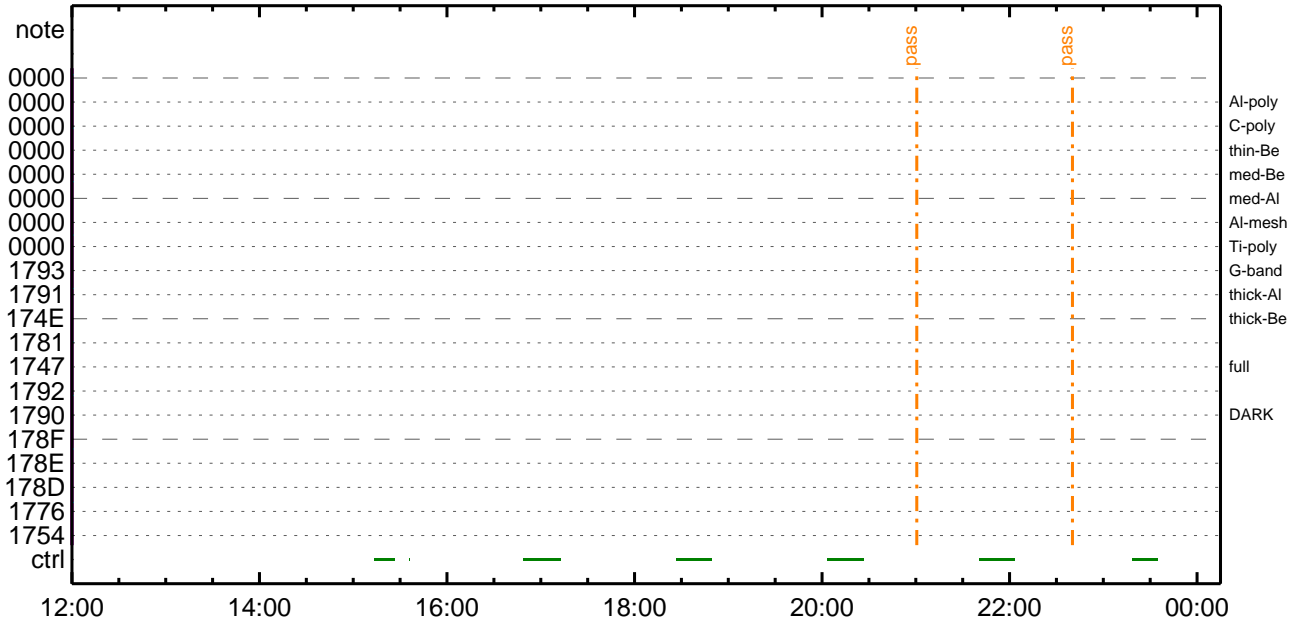
CMDI #0154 2010/03/16



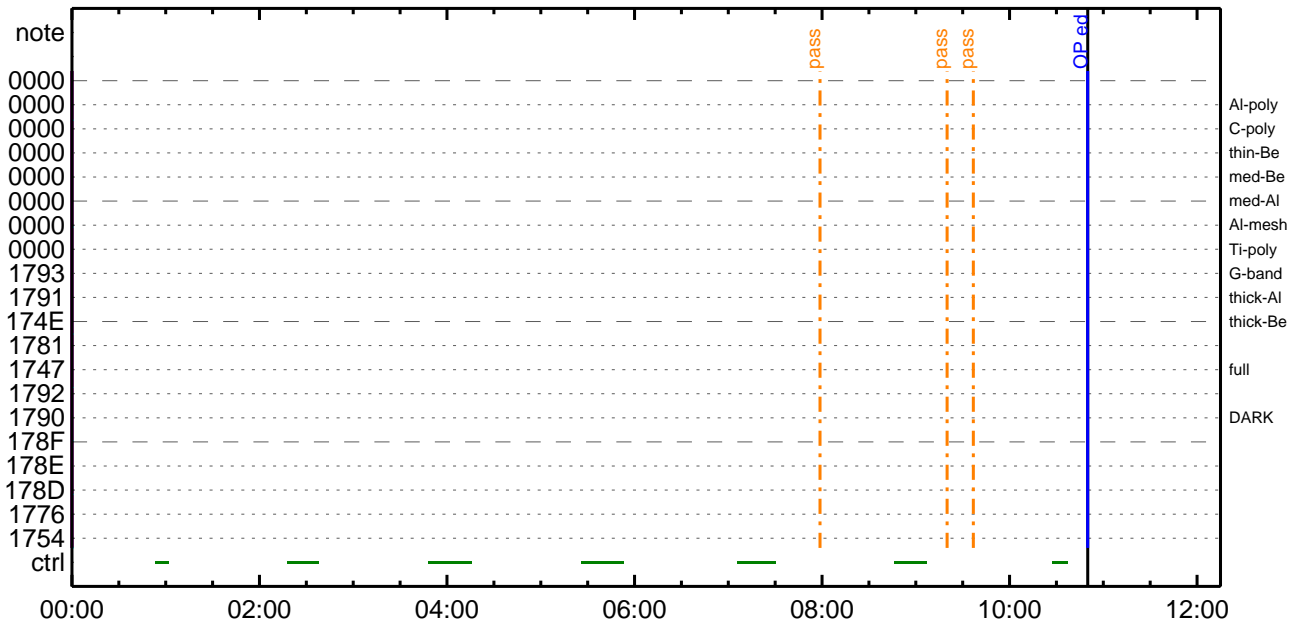
CMDI #0154 2010/03/17



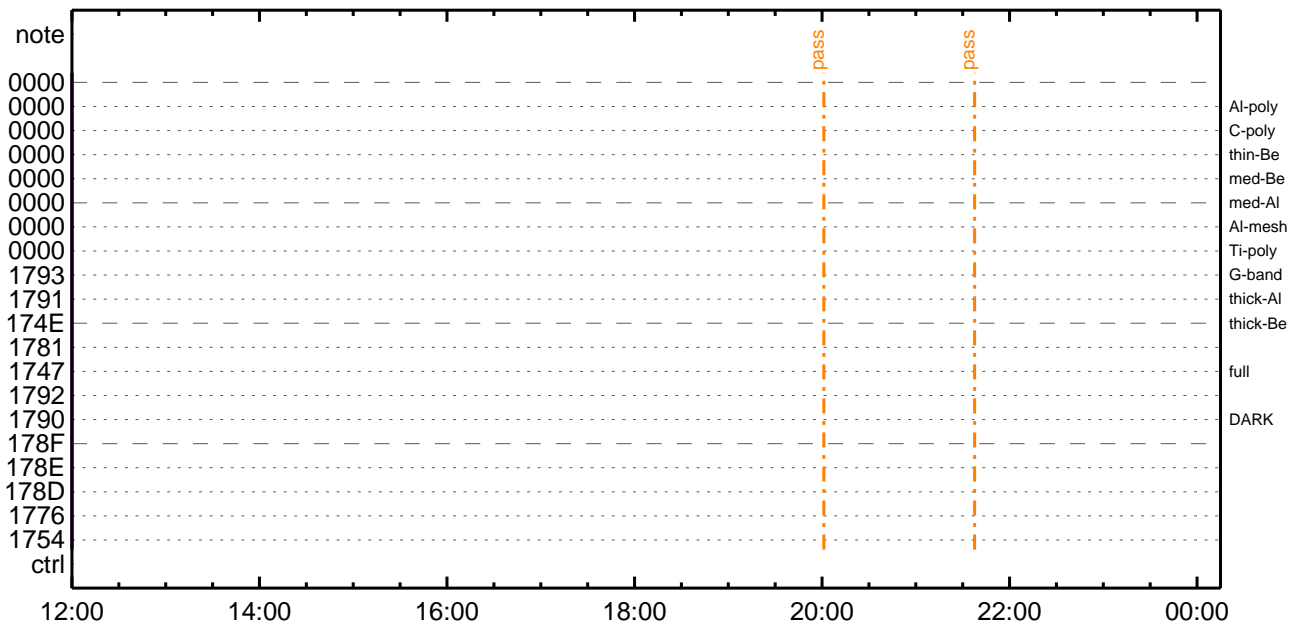
CMDI #0154 2010/03/17



CMDI #0154 2010/03/18



CMDI #0154 2010/03/18




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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;¼YE;¡|¥AYóYx
0100 C. *****
0101 C.
0102 . C. ¡ãOP/OGY1;¼YE;ã
0103 . S. OP op-232:OP
0104 . ( )
0105 . S. OG og-232:OG
0106 . ( )
0107 C.
0108 . C. ¡ãNMOG&OPfîf°e¥AYóYx;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADDR_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADDR_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 . C. ¥AYóYx½ªî»oð³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 . C. RAM ID=NMOGñî½E¹Ç•ë²îOKoð³îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADDR_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADDR_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 . C. ¥AYóYx½ªî»oð³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 . C. RAM ID=NMOGñî½E¹Ç•ë²îOKoð³îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADDR_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADDR_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 . C. ¥AYóYx½ªî»oð³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 . C. RAM ID=NMOG, RAM ID=OPñî½E¹Ç•ë²îOKoð³îÇ§
0165 C.
0166 . C. ***** oÊ²¼oî¼Ã'¶Å°oÊÈ-°oÄ÷¿® (¼âu-¥AYóYx½e½çoðÄÓÃæoÇ¼ª°·oð¾i¹çoÇqâ) *****
0167 C. DHU¥â¡;¼YE;Ê½Y½, ¥i;¼YE;Èoðîã°¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 . C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 . C. NOTICE ¡§ OPOG UPLOADñ-Á÷¿®NGñî½i¹ç;ç°Ê²¼oîTI-CMDÁ÷¿®ñî½Ä¹Öo·oÊñññ³oÊ;f
0180 C. ñPñ¿;çSEToEDUMPAîÆ±°i¥ÑY¹ñÇ¹Öñ|ñ³oÊ;f
0181 C.
0182 . C. TIY³¥P¥óYÈoðÄî¿¿(UT)
0183 +. TI 2010-03-13 10:22:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2010-03-13 10:22:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2010-03-13 10:22:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2010-03-13 10:26:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]                      EQ          1COUNTUP
0198 C.
0199 C.  °È²¼□îĀē%îíñ□îŷĀŷ§ŷĀŷ¹āîŭ
0200 C.          çç[HK1_TI_CMD_ENA/DIS]                  EQ          ENA
0201 C.          çç[HK1_TI_CMD_NUM]                      EQ          4
0202 C.          çç[HK1_NEXT_EXEC_PIM]                   EQ          DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]                    EQ          0xB3
0204 C.
0205 C.  *****
0206 C.  TIîŷ°èŷĀŷôŷ×
0207 C.  *****
0208 C.
0209 C.  TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC          (03 ab 03 01 02)
0212 C.          çç[HK1_DMP_TOP_ADRS_1]                  EQ          07
0213 C.          çç[HK1_DMP_TOP_ADRS_0]                  EQ          2B
0214 C.          çç[HK1_DMP_BLOCK_NUM]                   EQ          3
0215 C.          çç[HK1_DMP_REPEAT_NUM]                  EQ          0
0216 C.          çç[HK1_DMA_DMP_PIM]                     EQ          DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC          (07 0b f8)
0219 C.          çç[HK1_PKT_FORM_NO]                     EQ          7
0220 C.          çç[HK1_PKT_GEN_TIME]                     EQ          0.25 s
0221 C.          çç[HK1_S_TLM_BIT_RATE]                   EQ          32k
0222 C.          çç[HK1_X_TLM_BIT_RATE]                   EQ          4M
0223 C.          çç[HK1_DMP_CHK_FLG]                       EQ          EXEC
0224 C.
0225 C.  ŷĀŷôŷ×½ªî»□ð³îç§
0226 C.          çç[HK1_DMP_CHK_FLG]                       EQ          NON
0227 C.
0228 C.  RAM ID=TI_TBL□îŷ°è²îOK□ð³îç§
0229 C.
0230 C.  DHUŷā;¼ŷĒ;Ē¼ŷ¼. ŷî;¼ŷĒ;Ē□ðĀ□¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC          (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]                     EQ          2
0234 C.          çç[HK1_PKT_GEN_TIME]                     EQ          0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]                   EQ          32K
0236 C.          çç[HK1_X_TLM_BIT_RATE]                   EQ          4M
0237 C.
0238 C.  Stop EIS observation and temporarily disable EIS mode changes
0239 C.
0240 C.
0241 C.  ***** Start EIS operation (TI set) *****
0242 C.  Execute, after the success of OP upload.
0243 C.  Set EIS TI-commands
0244 +. TI 2010-03-13 10:26:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC          (21 02)
0247 +. TI 2010-03-13 10:26:40.0
0248 DC 07-FC EIS_MODE_CHG_DIS
0249 BC          (22)
0250 C.          [ ] [HK1_TI_CMD_NUM]                     EQ          2 COUNTUP
0251 C.  ***** End EIS operation (TI set) *****
0252 C.
0253 C.
0254 C.  *****
0255 C.  SOT TI command set
0256 C.  *****
0257 C.  Execute, after the success of OP upload.
0258 +. TI 2010-03-13 10:26:16.0
0259 DC 07-F0 MDP_SOT_MODE_STBY
0260 BC          (41)
0261 C.  -----
0262 C.  HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0263 C.  -----
0264 C.  ***** SOT END *****
0265 C.
0266 C.  ***** XRT START *****
0267 C.  Execute, after the success of OP upload.
0268 +. TI 2010-03-13 10:26:00.0
0269 DC 07-F0 MDP_XRT_MODE_STBY
0270 BC          (c3)
0271 C.          [ ] [HK1_TI_CMD_NUM]                     EQ          1COUNTUP
0272 C.
0273 C.  ***** XRT END *****
0274 C.
0275 C.  ***** MDP `ŭĀî□î»ō¼ŷ□ĒĀ□¹□ēDCBC•x²è *****
0276 C.  (¼ā°îŷŌŷĀŷĒŷŷŷĀŷçŷē□ē¼□□¼Ā»Ū□¹□ē)
0277 C.  S. DC-BC dcbc-402:DCBC
0278 C.  (MDP_known_event)
0279 C.
0280 C.
0281 C.  ***** ŷĐŷ¹.Ī Daily±çĪñ□ē'Ō□¹□ēDCBC•x²è *****
0282 C.  S. DC-BC dcbc-153:DCBC
0283 C.  (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C.  ;āLOSŷĀŷ§ŷĀŷ¹¼Ā»Ū;ā
0287 C.
0288 C.  ***** LOS *****
0289 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-233 2010-03-13 13:39:04 137 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YFYÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Èó¿òÁð•µ°Æ»Í×ÁÇóÍYçYÁY×Yí;¼YÉ;ÈÈ%µ•ííÉ;ÈÈ%°ÇÒñ•ñ¿i¹çñÍ;çÀ®, ùñ¹ñÈñÈñçÁ+¿®ñ•ñÈñññ³ñÈ;ñ
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCS Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ( )
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCU_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCS Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCSDUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCU_ORB_UPD
0044 . C.
0045 C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0046 +. DC 07-FC EIS_MODE_MANU
0047 BC (21 02)
0048 . C. Verify EIS in MANUAL mode
0049 . C. Estimated OBSTBL upload time is 39s
0050 C. *****
0051 C. EIS START OBSTBL LOAD
0052 C. *****
0053 . S. RAM ram-820:EIS_OBSTBL
0054 ( )
0055 +. DC 07-FC EIS_DUMP_OBSTBL
0056 BC (07 07 07 00 00 70 00)
0057 C.
0058 C. Execute, after the success of OBSTBL upload.
0059 C. Set EIS TI-commands
0060 +. TI 2010-03-13 10:26:50.0
0061 DC 07-FC EIS_MODE_CHG_ENA
0062 BC (20)
0063 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0064 C. *****
0065 C. EIS END OBSTBL LOAD
0066 C. *****
0067 C.
0068 C. ***** XRT START *****
0069 C.
0070 +. DC 07-F0 MDP_XRT_CTRL_MANU
0071 BC (c1)
0072 + DC 07-F0 MDP_XRT_MODE_STBY
0073 BC (c3)
0074 . C. ----- Success Verify ? OK / NG_____
0075 C.
0076 C. XRT Obs. Table Upload
0077 . S. RAM ram-291:MDP_OBS_X
0078 ( )
0079 C.
0080 +. DC 07-F0 MDP_DUMP_XRTTBL
0081 BC (84 07 00 00 00 3a d4)
0082 . C. ----- Comparison Check ? OK / ERR _____
0083 C.
0084 C.
0085 +. DC 07-F0 MDP_XRT_ROI_SET
0086 BC (cd 01 b1 b1 04 04)
0087 + DC 07-F0 MDP_XRT_ROI_SET
0088 BC (cd 02 b1 b1 08 08)
0089 + DC 07-F0 MDP_XRT_ROI_SET
0090 BC (cd 03 b1 b1 08 08)
0091 + DC 07-F0 MDP_XRT_ROI_SET
0092 BC (cd 04 b1 b1 06 06)
0093 + DC 07-F0 MDP_XRT_ROI_SET
0094 BC (cd 06 85 83 06 06)
0095 + DC 07-F0 MDP_XRT_ROI_SET
```

```
0096 BC (cd 07 80 80 20 20)
0097 + DC 07-F0 MDP_XRT_ROI_SET
0098 BC (cd 08 80 80 20 08)
0099 + DC 07-F0 MDP_XRT_ROI_SET
0100 BC (cd 09 80 80 08 20)
0101 + DC 07-F0 MDP_XRT_ROI_SET
0102 BC (cd 0a 80 80 08 08)
0103 + DC 07-F0 MDP_XRT_ROI_SET
0104 BC (cd 0f 80 80 06 06)
0105 + DC 07-F0 MDP_XRT_ROI_SET
0106 BC (cd 10 80 80 04 04)
0107 + DC 07-F0 MDP_XRT_AEC_RESET
0108 BC (d0)
0109 . C. ----- Success Verify ? OK / NG ____
0110 C.
0111 C.
0112 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0113 C.
0114 +. DC 07-F0 MDP_XRT_MODE_OBSV
0115 BC (c2)
0116 +. TI 2010-03-13 10:26:02.0
0117 DC 07-F0 MDP_XRT_MODE_OBSV
0118 BC (c2)
0119 . C. ----- Success Verify ? OK / NG ____
0120 C.
0121 C. ***** XRT END *****
0122 C.
0123 . C. ***** MDP `úÃîñî»ö%ÝðÊÃð¹ñèDCBC•x²è *****
0124 C. (%Á°îÝÓÝÃÝÈÝÞÝËÝáÝçÝèñÈ½¼ñ¼Ã»Ûñ¹ñè)
0125 . S. DC-BC dcbc-402:DCBC
0126 (MDP_known_event)
0127 C.
0128 C.
0129 . C. ***** ¥D¥¹•İ Daily±¿İÑñÈ´Øñ¹ñèDCBC•x²è *****
0130 . S. DC-BC dcbc-153:DCBC
0131 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0132 C.
0133 C.
0134 . C. ¡ãLOS¥Á¥$¥Ã¥¬¼Ã»Ûñ¹ñè
0135 C.
0136 . C. ***** LOS *****
0137 C.
```



```
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-269: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. < Stop SP table >
0120 +. DC 07-F0 MDP_SP_CTRL_MANU
0121 BC (61)
0122 C. -----
0123 C. MDP_SP_CTRL_MODE = MANU [ ]
0124 C. -----
0125 C.
0126 . C. <Upload SP Observation Table>
0127 . S. RAM ram-287:MDP_OBS_S
0128 ( )
0129 C.
0130 . C. < Dump RAMID=MDP_OBS_S >
0131 +. DC 07-F0 MDP_DUMP_SPTBL
0132 BC (83 07 00 00 00 38 b8)
0133 C. -----
0134 C. MDP_OBS_S verify = OK/NG [ ]
0135 C. -----
0136 C.
0137 C. *****
0138 C. SOT TI command set
0139 C. *****
0140 C. Execute, after the success of TBL upload.
0141 +. TI 2010-03-13 10:26:18.0
0142 DC 07-F0 MDP_SOT_MODE_OBSV
0143 BC (40)
0144 . C. -----
0145 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0146 C. -----
0147 C.
0148 C.
0149 . C. ***** MDP 'uÃiãî»ö¼ÝãËÂð¹ñèDCBC•x²è *****
0150 C. (¼ã°îÝÓÝÄÝËÝÞÝËÝäÝçÝèãË¼ã¼Ä»Û¹ñè)
0151 . S. DC-BC dcbc-402:DCBC
0152 (MDP_known_event)
0153 C.
0154 C.
0155 . C. ***** ÝÐÝ¹•î Daily±¿îÑñË´Ø¹ñèDCBC•x²è *****
0156 . S. DC-BC dcbc-153:DCBC
0157 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0158 C.
0159 C.
0160 . C. ;ãLOSÝÄÝ§ÝÄÝ¹¼Ä»Û;ã
0161 C.
0162 . C. ***** LOS *****
0163 C.
```

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*** OP Sequence for XRT ***

2010/03/13	10:28:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/13	10:28:02.0	XRT_FOCUS_RECALIBRATE_420_OG [0x1a4]							
		XRT_FOCUS_RECAL	2	07-F8	78	00			
2010/03/13	10:37:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	03	00	00	00	00
2010/03/13	10:42:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/13	10:42:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/03/13	10:43:16.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/03/13	10:43:18.0	XRT_FLRCTRL_ENA_404_OG [0x194]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/03/13	10:43:20.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/03/13	10:43:22.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/03/13	10:45:56.0	XRT_QT_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	07			
2010/03/13	10:45:58.0	XRT_FL_PROG_SET_407_OG [0x197]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	02			
2010/03/13	10:46:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/13	14:26:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/13	14:33:30.0	XRT_Custom_410_OG [0x19a]							
2010/03/13	14:34:30.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/13	14:59:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/13	14:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/03/13	15:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	02	00	9b	01	68
2010/03/13	15:00:16.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/03/13	15:00:18.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/03/13	15:00:20.0	XRT_FLRCTRL_ENA_404_OG [0x194]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/03/13	15:00:22.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/03/13	15:02:56.0	XRT_QT_PROG_SET_431_OG [0x1af]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c			
2010/03/13	15:02:58.0	XRT_FL_PROG_SET_407_OG [0x197]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	02			
2010/03/13	15:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/13	15:59:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/13	16:23:00.0	XRT_Custom_410_OG [0x19a]							
2010/03/13	16:24:00.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/13	17:36:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/13	17:59:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/13	17:59:56.0	XRT_FOCUS_POSITION_412_OG [0x19c]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2010/03/13	18:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	00	00	00	00
2010/03/13	18:00:16.0	XRT_FLD_DIS_413_OG [0x19d]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/03/13	18:00:18.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/03/13	18:00:20.0	XRT_ARS_DIS_415_OG [0x19f]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/03/13	18:02:58.0	XRT_QT_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	01			
2010/03/13	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/13	18:09:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/13	18:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/03/13	18:10:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	03	00	00	00	00
2010/03/13	18:10:16.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/03/13	18:10:18.0	XRT_FLRCTRL_ENA_404_OG [0x194]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/03/13	18:10:20.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/03/13	18:10:22.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/03/13	18:12:56.0	XRT_QT_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	07			
2010/03/13	18:12:58.0	XRT_FL_PROG_SET_407_OG [0x197]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	02			
2010/03/13	18:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]							

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2010/03/13	19:13:00.0	XRT_CTRL_MANU_409_OG [0x199]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/13	19:36:30.5	XRT_Custom_410_OG [0x19a]				
2010/03/13	19:37:30.5	XRT_CTRL_AUTO_411_OG [0x19b]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/13	20:50:30.0	XRT_CTRL_MANU_409_OG [0x199]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/13	21:14:00.0	XRT_Custom_410_OG [0x19a]				
2010/03/13	21:15:00.0	XRT_CTRL_AUTO_411_OG [0x19b]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/13	22:28:00.0	XRT_CTRL_MANU_409_OG [0x199]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/13	22:49:30.0	XRT_Custom_410_OG [0x19a]				
2010/03/13	22:50:30.0	XRT_CTRL_AUTO_411_OG [0x19b]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	00:05:30.0	XRT_CTRL_MANU_409_OG [0x199]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	00:14:30.0	XRT_Custom_410_OG [0x19a]				
2010/03/14	00:15:30.0	XRT_CTRL_AUTO_411_OG [0x19b]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	01:30:30.0	XRT_CTRL_MANU_409_OG [0x199]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	01:48:00.0	XRT_Custom_410_OG [0x19a]				
2010/03/14	01:49:00.0	XRT_CTRL_AUTO_411_OG [0x19b]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	03:04:30.0	XRT_CTRL_MANU_409_OG [0x199]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	03:25:00.0	XRT_Custom_410_OG [0x19a]				
2010/03/14	03:26:00.5	XRT_CTRL_AUTO_411_OG [0x19b]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	04:34:00.0	XRT_CTRL_MANU_409_OG [0x199]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	05:02:30.5	XRT_Custom_410_OG [0x19a]				
2010/03/14	05:03:30.5	XRT_CTRL_AUTO_411_OG [0x19b]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	05:46:24.0	XRT_CTRL_MANU_400_OG [0x190]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	05:46:26.0	XRT_FOCUS_POSITION_412_OG [0x19c]				
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/03/14	05:46:30.0	AOCS_OrE-point_Start_3_OG [0x099]				
			AOCU_NM	5	02-76	00 00 00 00 00
2010/03/14	05:46:46.0	XRT_FLD_DIS_413_OG [0x19d]				
			MDP_XRT_FLD_DIS	1	07-F0	d9
2010/03/14	05:46:48.0	XRT_FLRCTRL_DIS_414_OG [0x19e]				
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/03/14	05:46:50.0	XRT_ARS_DIS_415_OG [0x19f]				
			MDP_XRT_ARS_DIS	1	07-F0	d5
2010/03/14	05:49:28.0	XRT_QT_PROG_SET_416_OG [0x1a0]				
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 01
2010/03/14	05:49:30.0	XRT_CTRL_AUTO_408_OG [0x198]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	05:56:24.0	XRT_CTRL_MANU_400_OG [0x190]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	05:56:26.0	XRT_FOCUS_POSITION_401_OG [0x191]				
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/03/14	05:56:30.0	AOCS_OrE-point_Start_1_OG [0x097]				
			AOCU_NM	5	02-76	03 00 00 00 00
2010/03/14	05:56:46.0	XRT_FLD_ENA_402_OG [0x192]				
			MDP_XRT_FLD_ENA	1	07-F0	d8
2010/03/14	05:56:48.0	XRT_FLRCTRL_ENA_404_OG [0x194]				
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/03/14	05:56:50.0	XRT_ARS_DIS_405_OG [0x195]				
			MDP_XRT_ARS_DIS	1	07-F0	d5
2010/03/14	05:59:24.0	XRT_QT_PROG_SET_421_OG [0x1a5]				
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 07
2010/03/14	05:59:26.0	XRT_FL_PROG_SET_407_OG [0x197]				
			MDP_XRT_FL_PROG_SET	2	07-F0	c5 02
2010/03/14	05:59:28.0	XRT_CTRL_AUTO_408_OG [0x198]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	06:14:30.0	XRT_CTRL_MANU_409_OG [0x199]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	06:40:00.5	XRT_Custom_410_OG [0x19a]				
2010/03/14	06:41:00.5	XRT_CTRL_AUTO_411_OG [0x19b]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	07:54:30.0	XRT_CTRL_MANU_409_OG [0x199]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	08:17:00.0	XRT_Custom_410_OG [0x19a]				
2010/03/14	08:18:00.0	XRT_CTRL_AUTO_411_OG [0x19b]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	09:34:30.0	XRT_CTRL_MANU_409_OG [0x199]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	09:52:30.0	XRT_Custom_410_OG [0x19a]				
2010/03/14	09:53:30.0	XRT_CTRL_AUTO_411_OG [0x19b]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	15:00:00.0	AOCS_OrE-point_Start_1_OG [0x097]				
			AOCU_NM	5	02-76	03 00 00 00 00
2010/03/14	15:01:00.5	XRT_CTRL_MANU_409_OG [0x199]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	15:10:54.0	XRT_CTRL_MANU_400_OG [0x190]				
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	15:10:56.0	XRT_FOCUS_POSITION_401_OG [0x191]				
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00

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2010/03/14	15:11:16.0	XRT_FLD_ENA_402_OG [0x192]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/03/14	15:11:18.0	XRT_FLRCTRL_ENA_404_OG [0x194]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/03/14	15:11:20.0	XRT_ARS_DIS_405_OG [0x195]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/03/14	15:13:54.0	XRT_QT_PROG_SET_432_OG [0x1b0]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2010/03/14	15:13:56.0	XRT_FL_PROG_SET_407_OG [0x197]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 02
2010/03/14	15:13:58.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	16:36:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	16:59:30.0	XRT_Custom_410_OG [0x19a]			
2010/03/14	17:00:30.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	17:49:24.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	17:49:26.0	XRT_FOCUS_POSITION_412_OG [0x19c]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/03/14	17:49:30.0	AOCS_OrE-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	00 00 00 00 00
2010/03/14	17:49:46.0	XRT_FLD_DIS_413_OG [0x19d]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2010/03/14	17:49:48.0	XRT_FLRCTRL_DIS_414_OG [0x19e]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/03/14	17:49:50.0	XRT_ARS_DIS_415_OG [0x19f]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/03/14	17:52:28.0	XRT_QT_PROG_SET_416_OG [0x1a0]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01
2010/03/14	17:52:30.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	17:59:24.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	17:59:26.0	XRT_FOCUS_POSITION_401_OG [0x191]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2010/03/14	17:59:30.0	AOCS_OrE-point_Start_4_OG [0x09a]			
		AOCU_NM	5	02-76	00 51 db 01 68
2010/03/14	17:59:46.0	XRT_FLD_ENA_402_OG [0x192]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2010/03/14	17:59:48.0	XRT_FLD_RESET_403_OG [0x193]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2010/03/14	17:59:50.0	XRT_FLRCTRL_ENA_404_OG [0x194]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2010/03/14	17:59:52.0	XRT_ARS_DIS_405_OG [0x195]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2010/03/14	18:02:26.0	XRT_QT_PROG_SET_431_OG [0x1af]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2010/03/14	18:02:28.0	XRT_FL_PROG_SET_407_OG [0x197]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 02
2010/03/14	18:02:30.5	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	18:13:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	18:36:30.0	XRT_Custom_410_OG [0x19a]			
2010/03/14	18:37:30.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	19:50:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	20:13:30.0	XRT_Custom_410_OG [0x19a]			
2010/03/14	20:14:30.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	21:27:30.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	21:50:30.0	XRT_Custom_410_OG [0x19a]			
2010/03/14	21:51:30.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/14	23:05:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/14	23:25:00.0	XRT_Custom_410_OG [0x19a]			
2010/03/14	23:26:00.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/15	00:42:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/15	00:49:00.0	XRT_Custom_410_OG [0x19a]			
2010/03/15	00:50:00.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/15	02:05:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/15	02:25:00.0	XRT_Custom_410_OG [0x19a]			
2010/03/15	02:26:00.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/15	03:39:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/15	04:02:00.0	XRT_Custom_410_OG [0x19a]			
2010/03/15	04:03:00.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/15	05:12:00.0	XRT_CTRL_MANU_409_OG [0x199]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/03/15	05:39:30.0	XRT_Custom_410_OG [0x19a]			
2010/03/15	05:40:30.0	XRT_CTRL_AUTO_411_OG [0x19b]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0

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2010/03/15	22:24:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/15	22:24:26.0	XRT_FOCUS_POSITION_423_OG [0x1a7]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/03/15	22:24:46.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/03/15	22:24:48.0	XRT_FLRCTRL_ENA_404_OG [0x194]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/03/15	22:24:50.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/03/15	22:24:52.0	XRT_ARS_DIS_433_OG [0x1b1]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/03/15	22:27:26.0	XRT_QT_PROG_SET_424_OG [0x1a8]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a				
2010/03/15	22:27:28.0	XRT_FL_PROG_SET_407_OG [0x197]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 02				
2010/03/15	22:27:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/15	23:42:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/15	23:54:00.0	XRT_Custom_410_OG [0x19a]							
2010/03/15	23:55:00.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/16	01:09:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/16	01:25:00.0	XRT_Custom_410_OG [0x19a]							
2010/03/16	01:26:00.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/16	02:41:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/16	03:01:30.0	XRT_Custom_410_OG [0x19a]							
2010/03/16	03:02:30.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/16	04:09:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/16	04:39:00.0	XRT_Custom_410_OG [0x19a]							
2010/03/16	04:40:00.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/16	05:50:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/16	06:16:30.0	XRT_Custom_410_OG [0x19a]							
2010/03/16	06:17:30.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/16	06:26:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/16	06:26:26.0	XRT_FOCUS_POSITION_412_OG [0x19c]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/03/16	06:26:30.0	AOCs_OrE-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/03/16	06:26:46.0	XRT_FLD_DIS_413_OG [0x19d]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/03/16	06:26:48.0	XRT_FLRCTRL_DIS_414_OG [0x19e]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/03/16	06:26:50.0	XRT_ARS_DIS_415_OG [0x19f]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/03/16	06:29:28.0	XRT_QT_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01				
2010/03/16	06:29:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/16	06:36:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/16	06:36:26.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/03/16	06:36:30.0	AOCs_OrE-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	03 00 00 00 00				
2010/03/16	06:36:46.0	XRT_FLD_ENA_402_OG [0x192]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/03/16	06:36:48.0	XRT_FLRCTRL_ENA_404_OG [0x194]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/03/16	06:36:50.0	XRT_FLD_RESET_403_OG [0x193]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/03/16	06:36:52.0	XRT_ARS_DIS_405_OG [0x195]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/03/16	06:39:26.0	XRT_QT_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2010/03/16	06:39:28.0	XRT_FL_PROG_SET_407_OG [0x197]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 02				
2010/03/16	06:39:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/16	07:30:30.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/16	07:54:00.0	XRT_Custom_410_OG [0x19a]							
2010/03/16	07:55:00.0	XRT_CTRL_AUTO_411_OG [0x19b]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/03/16	09:10:00.0	XRT_CTRL_MANU_409_OG [0x199]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/16	09:13:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/03/16	09:13:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2010/03/16	09:14:00.0	AOCs_OrE-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/03/16	09:14:16.0	XRT_FLD_DIS_413_OG [0x19d]							

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2010/03/16	09:14:18.0	XRT_FLRCTRL_DIS_414_OG [0x19e]	MDP_XRT_FLD_DIS	1	07-F0	d9
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/03/16	09:14:20.0	XRT_ARS_DIS_428_OG [0x1ac]	MDP_XRT_ARS_DIS	1	07-F0	d5
2010/03/16	09:16:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08
2010/03/16	09:16:58.0	XRT_CTRL_AUTO_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/03/16	09:17:58.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1