

# XRT Timeline to be uploaded on 2009/04/18

Period: 2009/04/18 10:42:00 - 2009/04/23 10:13:00

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## Normal mode

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XOB #1686: QS - C/Poly(23142) - 384x384 - AEC0 - Fast Cadence (Q95)											
Term	Pointing (x, y)		Comment								
04/18 11:00:00 - 04/18 18:59:54	Track (	-38.3, 0.2)	@ 04/18 10:52:00	# OP start + 10min; HOP86 (11UT-19UT) QS disk center							
04/19 06:13:00 - 04/19 11:59:54	Fixed (	0.0, 0.0)	DC								
04/20 06:17:00 - 04/20 18:06:24	Fixed (	0.0, 0.0)	DC								
04/21 05:50:30 - 04/21 09:25:00	Fixed (	0.0, 0.0)	DC								
<b>PROG= 08 Inf.-time(s)</b>											
└ Subr= 1 1-time(s) 2.0sec											
└ Seqn= 61 1-time(s) 30.0sec											
	C-poly/Open	thin-Be/Open	close	Safe	Norm	22.6s	Obs	1x1	384x384 (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 #1650: Synoptic Q95 2x2 - Al/poly(512/5795) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(723/11571) + G-band(16)-2											
Term	Pointing (x, y)		Comment								
04/18 19:03:00 - 04/18 19:09:54	Fixed (	0.0, 0.0)	synoptic, shifted manually								
04/19 18:03:00 - 04/19 18:09:54	Fixed (	0.0, 0.0)	synoptic								
04/20 18:09:30 - 04/20 18:16:24	Fixed (	0.0, 0.0)	synoptic, shifted 6.5 min								
<b>PROG= 02 1-time(s)</b>											
└ Subr= 1 1-time(s) 12.0sec											
└ Seqn= 36 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= 7 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
└ Seqn= 88 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 #1684: Coronal cavity (6 pairs)-DPCM 2x2-768X768-FOV offset for SW(1120,1048)-longer exposures											
Term	Pointing (x, y)		Comment								
04/18 19:13:00 - 04/19 00:59:54	Fixed (	634.0, 700.0)	# HOP73 (21UT-01UT) Prominence								
<b>PROG= 03 Inf.-time(s)</b>											
└ Subr= 1 1-time(s) 300.0sec											
└ Seqn= 94 1-time(s) 4.0sec											
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	2x2	768x768 (1120, 1048)	DPCM	0 0 2.0sec
└ Seqn= 56 1-time(s) 4.0sec											
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	11.3s	Obs	2x2	768x768 (1120, 1048)	DPCM	0 0 2.0sec
└ Seqn= 9 1-time(s) 4.0sec											
	C-poly/Open	med-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	768x768 (1120, 1048)	DPCM	0 0 2.0sec
└ Seqn= 34 1-time(s) 2.0sec											
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	16.0s	Obs	2x2	768x768 (1120, 1048)	DPCM	0 0 2.0sec
└ Seqn= 43 1-time(s) 4.0sec											
	Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	22.6s	Obs	2x2	768x768 (1120, 1048)	DPCM	0 0 2.0sec
└ Seqn= 4 1-time(s) 2.0sec											
	thin-Be/Open	med-Be/Open	close	Safe	Norm	64.0s	Obs	2x2	768x768 (1120, 1048)	DPCM	0 0 2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer Interval

XOB #1687: Al/poly + G-band + dark - AEC0 - FOV 384x384 - 1 min cadence - Q95											
Term	Pointing (x, y)		Comment								
04/19 01:03:00 - 04/19 05:59:54	Fixed (	0.0, -850.0)	South Pole CH (the same FOV with HOP110)								
04/19 15:28:30 - 04/19 17:59:54	Fixed (	0.0, -850.0)	HOP110 (15-21UT) South Pole CH								
04/19 18:13:00 - 04/19 20:59:54	Fixed (	0.0, -850.0)	HOP110 (15-21UT) South Pole CH again								
<b>PROG= 05 Inf.-time(s)</b>											
└ Subr= 3 1-time(s) 2.0sec											
└ Seqn= 11 1-time(s) 4.0sec											
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	512x512 (1024, 1024)	Q=90	0 0 2.0sec
└ Seqn= 62 1-time(s) 4.0sec											
	Al-poly/Open	Al-poly/Open	close	Safe	Dark	16.0s	Obs	1x1	512x512 (1024, 1024)	DPCM	0 0 2.0sec
└ Subr= 1 1-time(s) 2.0sec											
└ Seqn= 87 60-time(s) 60.0sec											
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1048, 1064)	Q=95	0 0 60.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer Interval

XOB #164F: Synoptic Q95 2x2 - Al/mesh(512/5795) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(723/11571) + G-band(16)-2											
Term	Pointing (x, y)		Comment								

04/19 06:03:00 - 04/19 06:09:54 Fixed ( 0.0, 0.0) synoptic  
 04/20 06:07:00 - 04/20 06:13:54 Fixed ( 0.0, 0.0) synoptic, shifted 4.0 min  
 04/21 05:40:30 - 04/21 05:47:24 Fixed ( 0.0, 0.0) synoptic, shifted -22.5 min

**PROG= 19 1-time(s)**

<b>Subr= 1 1-time(s) 12.0sec</b>													
<b>Seqn= 47 1-time(s) 4.0sec</b>													
	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
<b>Seqn= 7 1-time(s) 2.0sec</b>													
	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
<b>Seqn= 88 1-time(s) 4.0sec</b>													
	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
<b>Seqn= 92 1-time(s) 2.0sec</b>													
	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 #1688: Al/poly (AEC4) + Thin-Be (AEC4) - 1-min cadence - FOV384 - Q95**

Term	Pointing (x, y)	Comment
04/19 12:03:00 - 04/19 14:59:30	Fixed ( -910.0, 0.0)	HOP 108 (12-15UT) QS E-limb
04/19 21:03:00 - 04/19 23:59:54	Fixed ( 0.0, -910.0)	HOP 108 (21-00UT) South Pole

**PROG= 13 Inf.-time(s)**

<b>Subr= 1 1-time(s) 60.0sec</b>													
<b>Seqn= 37 1-time(s) 2.0sec</b>													
	Al-poly/Open	C-poly/Open	close	Safe	Norm	8.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	4	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	32.0s	Obs	1x1	384x384 (1024, 1024)	Q=95	4	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

**XOB #1689: HOP 106 - Al/Mesh + Al/Poly + Ti/Poly 384x384**

Term	Pointing (x, y)	Comment
04/20 00:03:00 - 04/20 06:03:54	Fixed ( 30.0, 940.0)	HOP 106 (00-05UT) Nouth pole

**PROG= 20 Inf.-time(s)**

<b>Subr= 1 1-time(s) 2.0sec</b>													
<b>Seqn= 15 5-time(s) 120.0sec</b>													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1024, 1024)	Q=90	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	32.0s	Obs	1x1	384x384 (1024, 1024)	Q=90	0	0	36.0sec
<b>Seqn= 44 1-time(s) 4.0sec</b>													
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	22.6s	Obs	1x1	384x384 (1024, 1024)	Q=90	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

**XOB #1685: HOP105 - Al/poly - AEC1 - 512x512**

Term	Pointing (x, y)	Comment
04/20 18:19:30 - 04/20 23:48:30	Fixed ( 634.0, 700.0)	HOP105 (19-22UT) Prominence

**PROG= 01 Inf.-time(s)**

<b>Subr= 1 1-time(s) 2.0sec</b>													
<b>Seqn= 48 1-time(s) 120.0sec</b>													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	16.0s	Obs	1x1	512x512 (1064, 1048)	DPCM	1	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

**XOB #1669: CH - Al/poly + Ti/poly + Thin-Be + dark - AEC0 - FOV 512x512 - 2min cadence**

Term	Pointing (x, y)	Comment
04/21 00:08:30 - 04/21 05:37:24	Fixed ( 0.0, -940.0)	HOP107 (00-05UT) South Pole

**PROG= 12 Inf.-time(s)**

<b>Subr= 3 1-time(s) 2.0sec</b>													
<b>Seqn= 62 1-time(s) 2.0sec</b>													
	Al-poly/Open	Al-poly/Open	close	Safe	Dark	16.0s	Obs	1x1	512x512 (1024, 1024)	DPCM	0	0	2.0sec
<b>Subr= 1 30-time(s) 120.0sec</b>													
<b>Seqn= 74 1-time(s) 2.0sec</b>													
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	16.0s	Obs	1x1	512x512 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	22.6s	Obs	1x1	512x512 (1024, 1024)	Q=98	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	64.0s	Obs	1x1	512x512 (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	

**XOB #15B9: twilight monitor**

Term	Pointing (x, y)	Comment
04/21 09:29:30 - 04/21 10:31:54	Fixed ( 0.0, 0.0)	DC

**PROG= 09 Inf.-time(s)**

<b>Subr= 1 1-time(s) 30.0sec</b>													
<b>Seqn= 60 1-time(s) 2.0sec</b>													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	16.0s	Obs	1x1	256x256 (1024, 1024)	Q=90	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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**Flare mode**

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NOT USED

\* \* \* \* \*

**Active Region Search**

\* \* \* \* \*

NOT USED

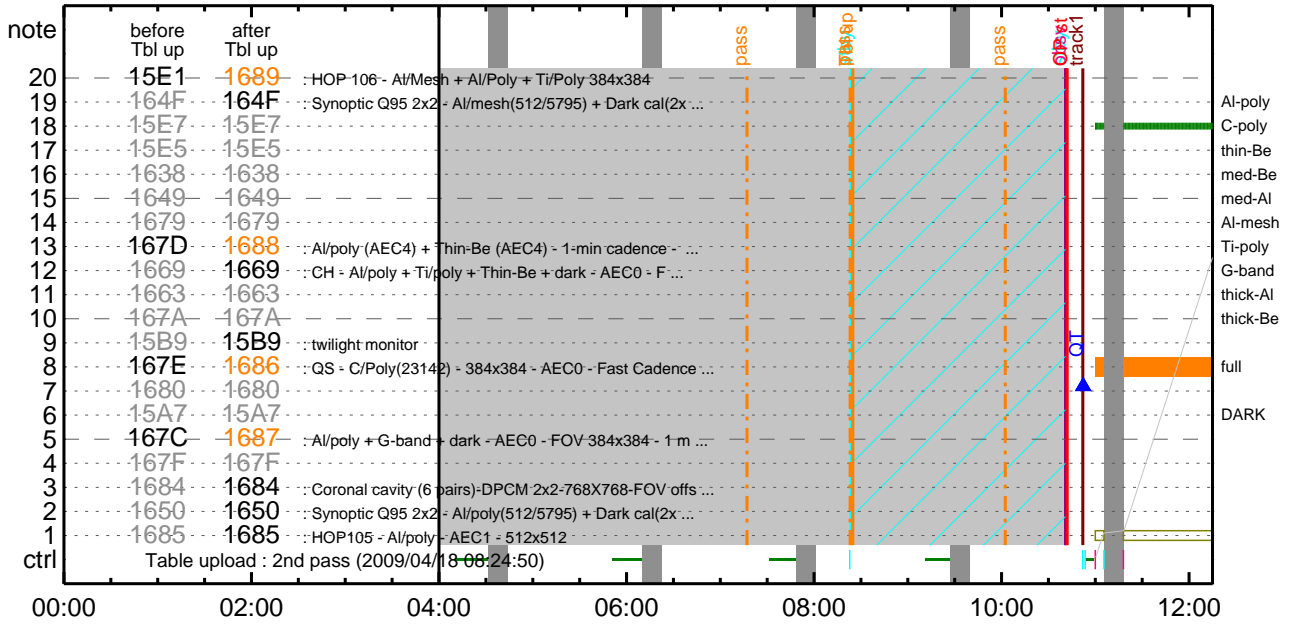
\* \* \* \* \*

**Flare Detection**

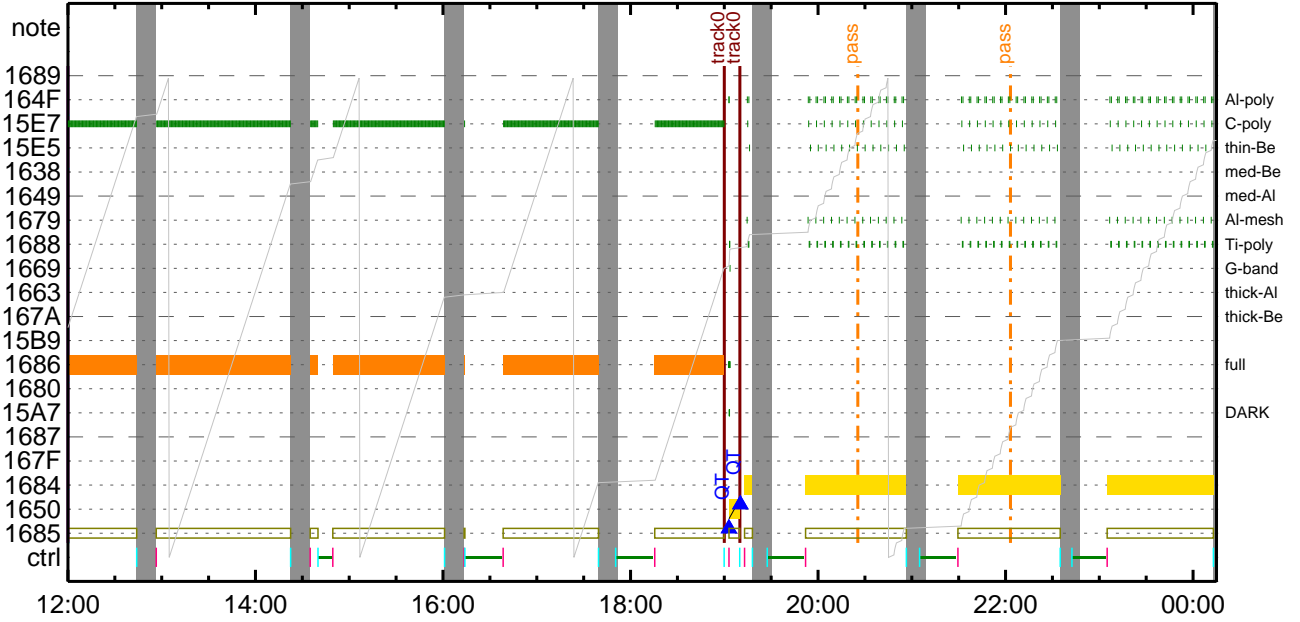
\* \* \* \* \*

NOT USED

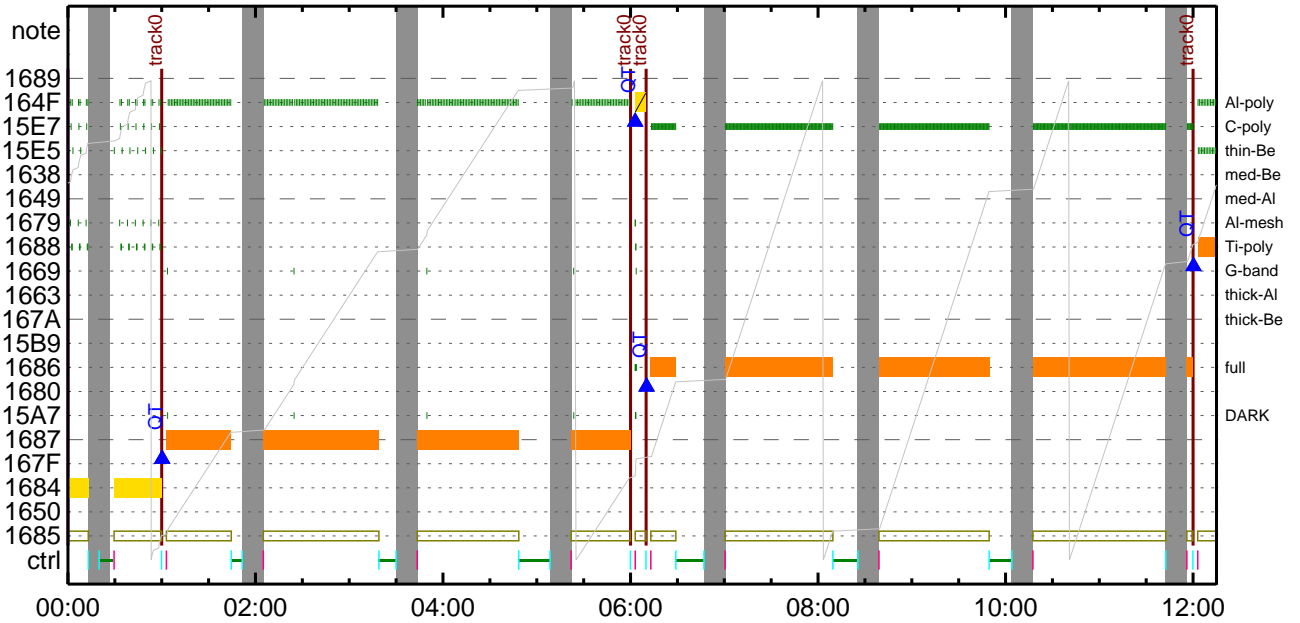
### CMDI #0513 2009/04/18



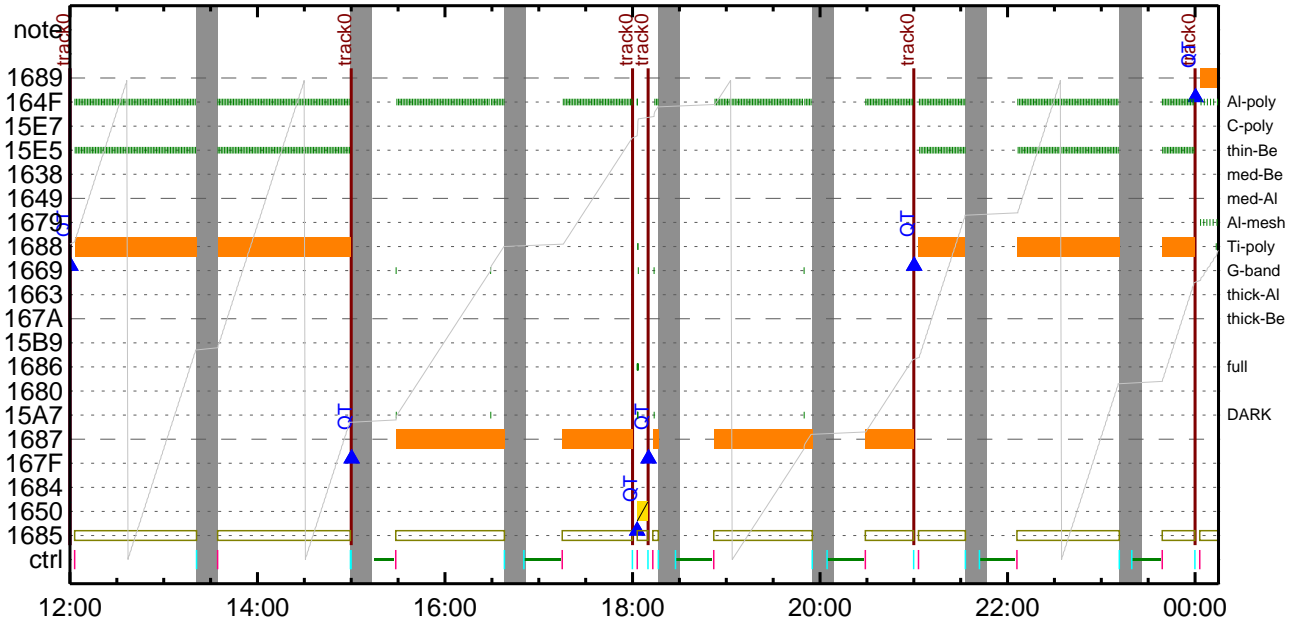
### CMDI #0513 2009/04/18



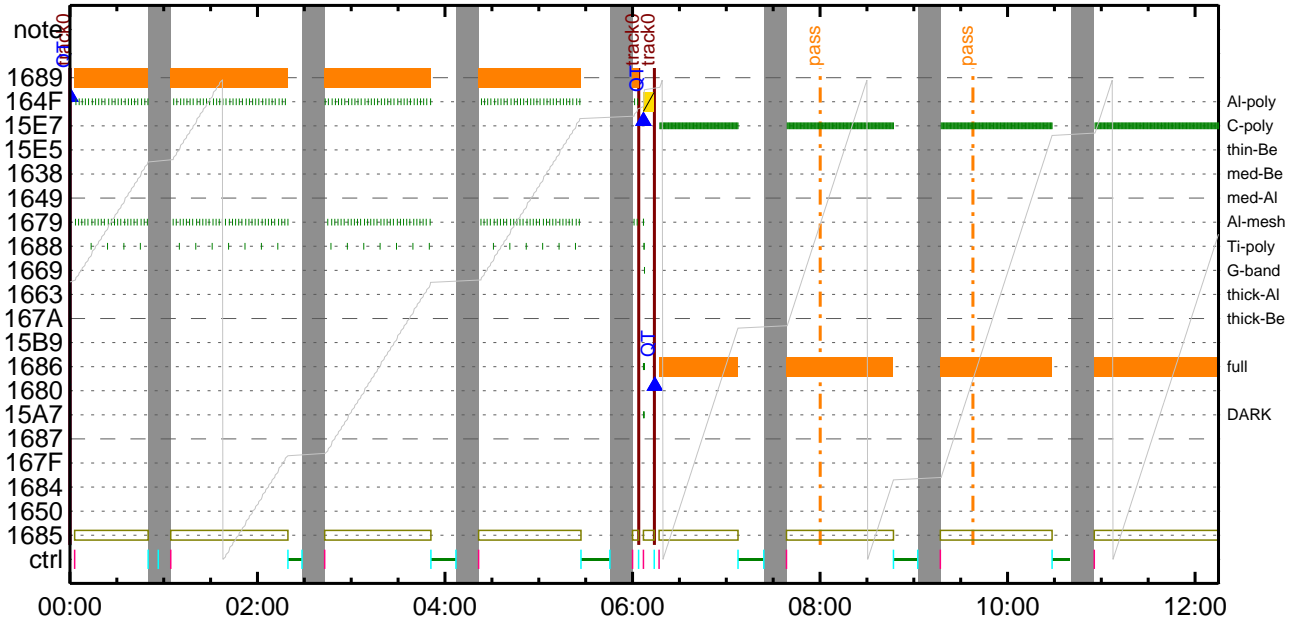
### CMDI #0513 2009/04/19



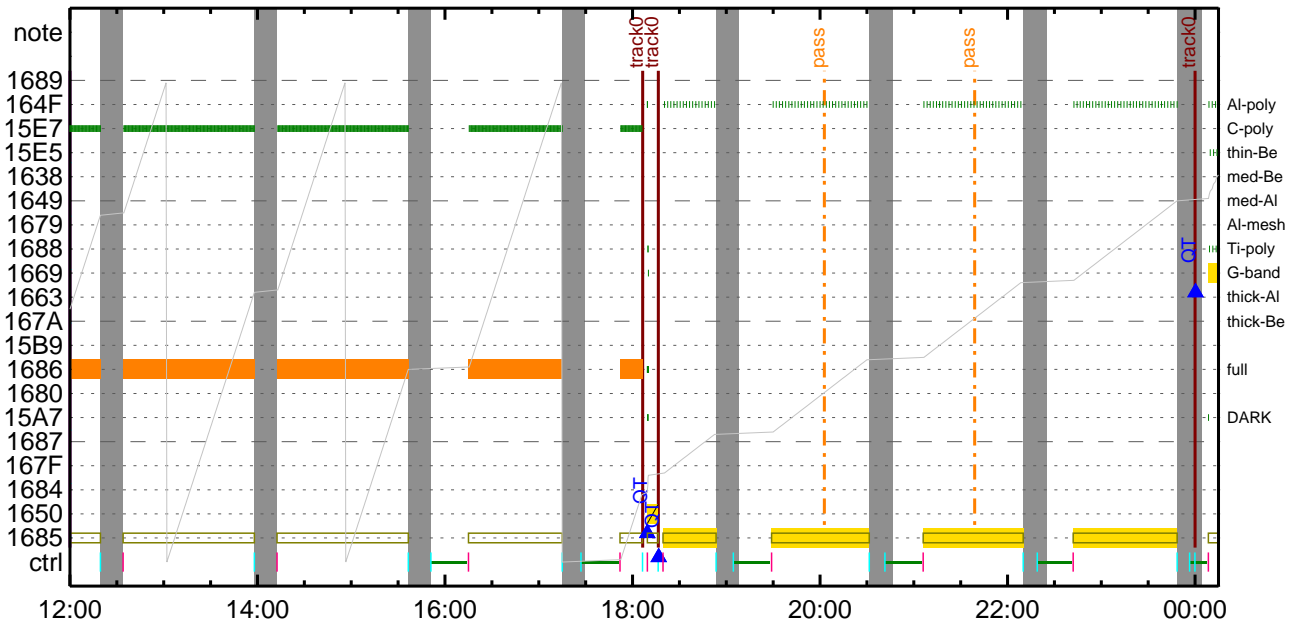
CMDI #0513 2009/04/19



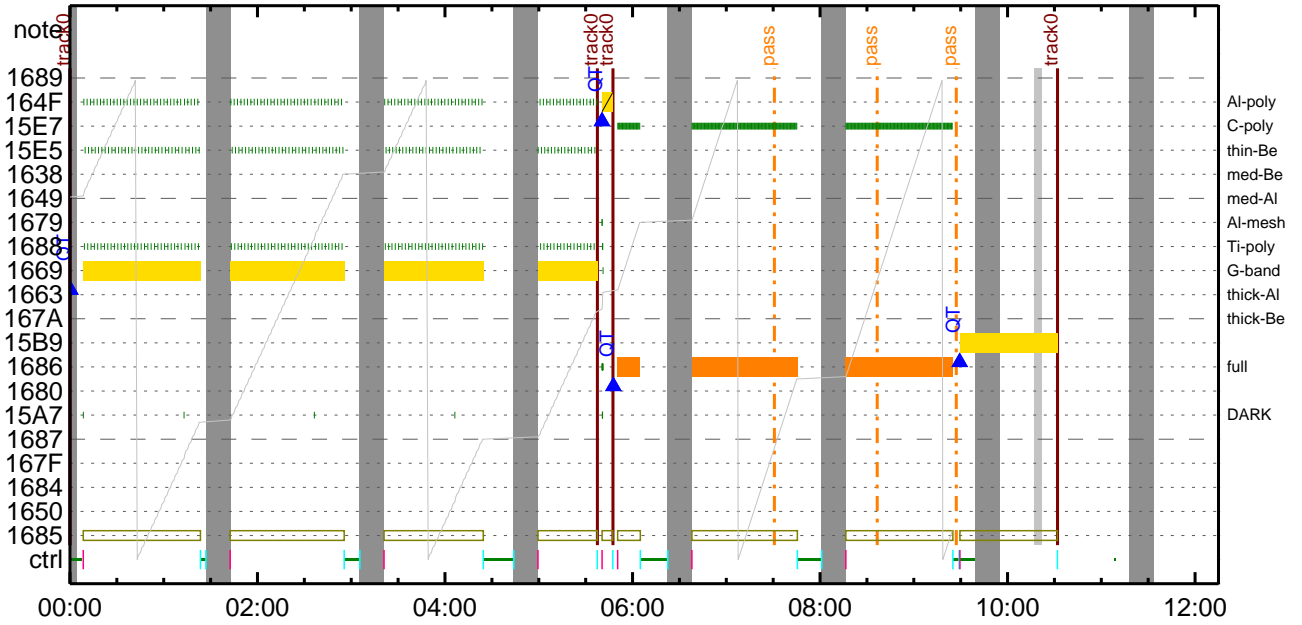
CMDI #0513 2009/04/20



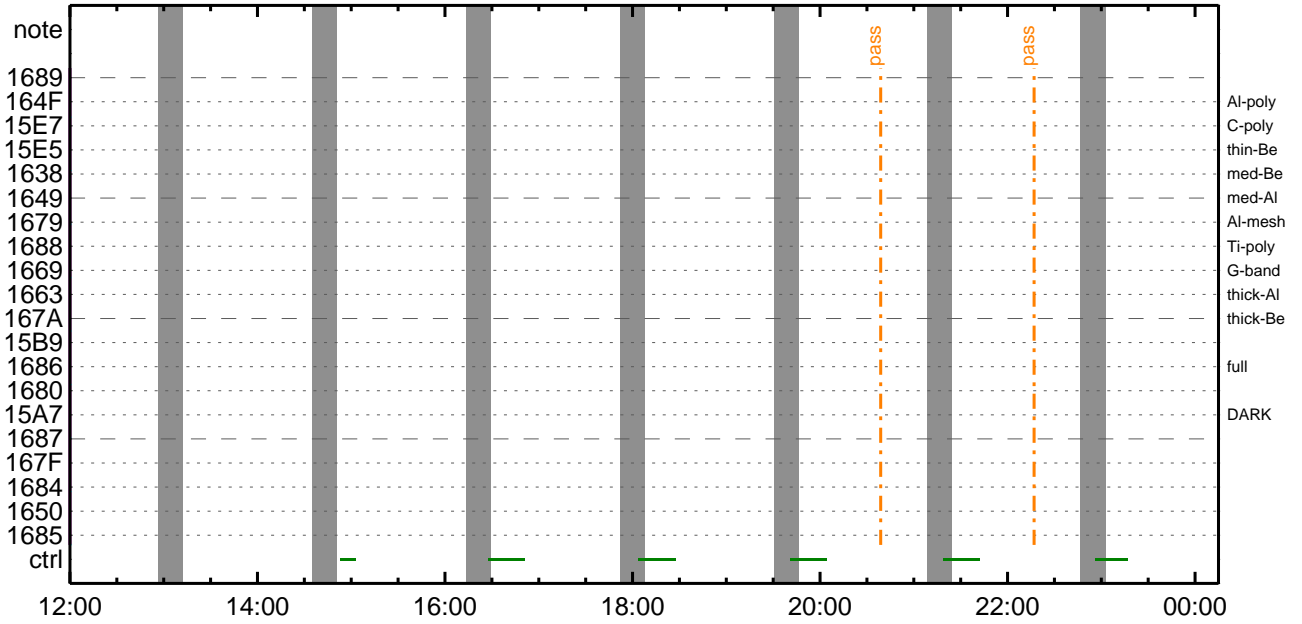
CMDI #0513 2009/04/20



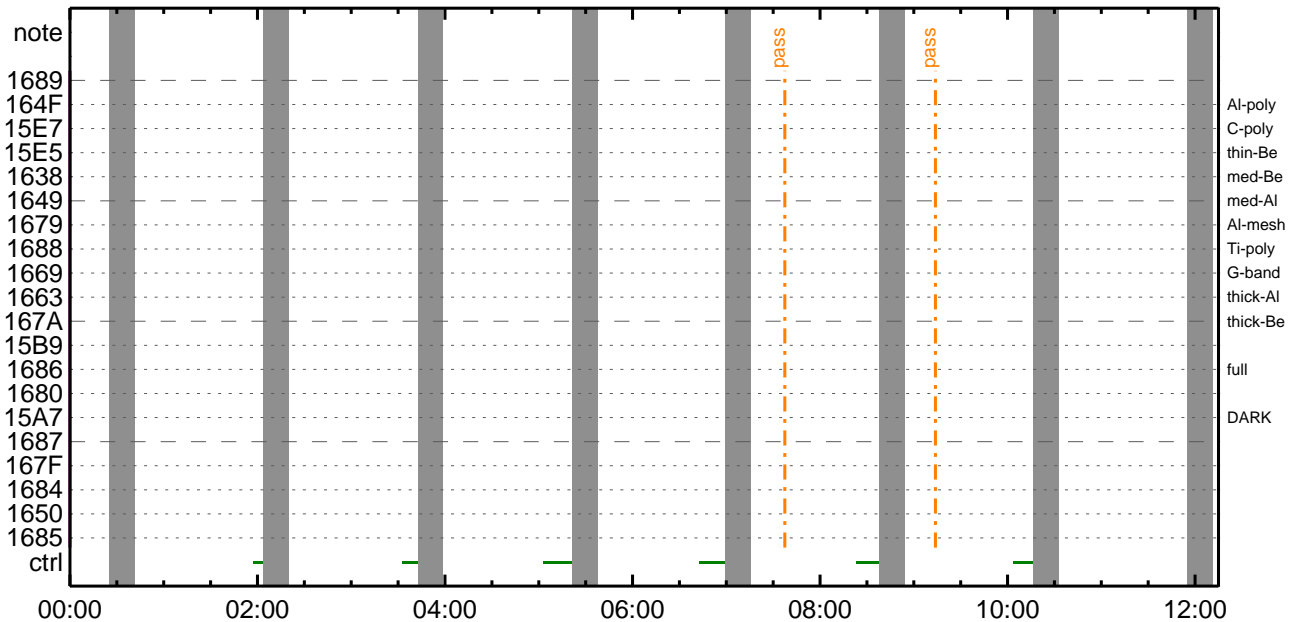
### CMDI #0513 2009/04/21



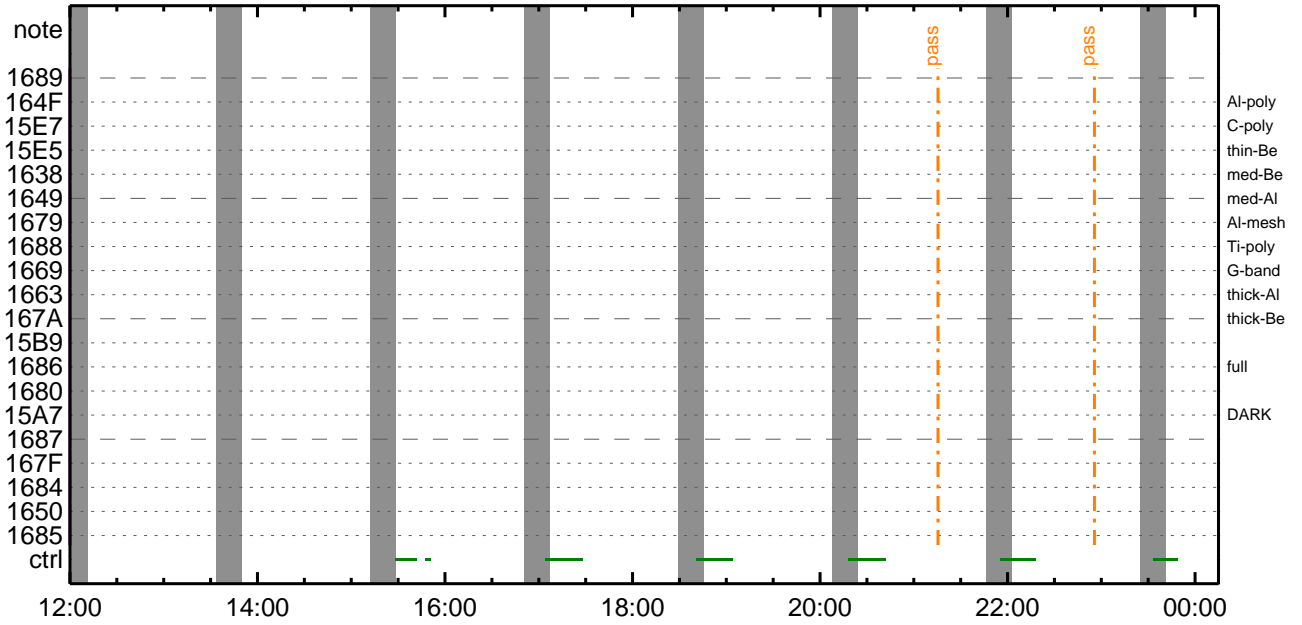
### CMDI #0513 2009/04/21



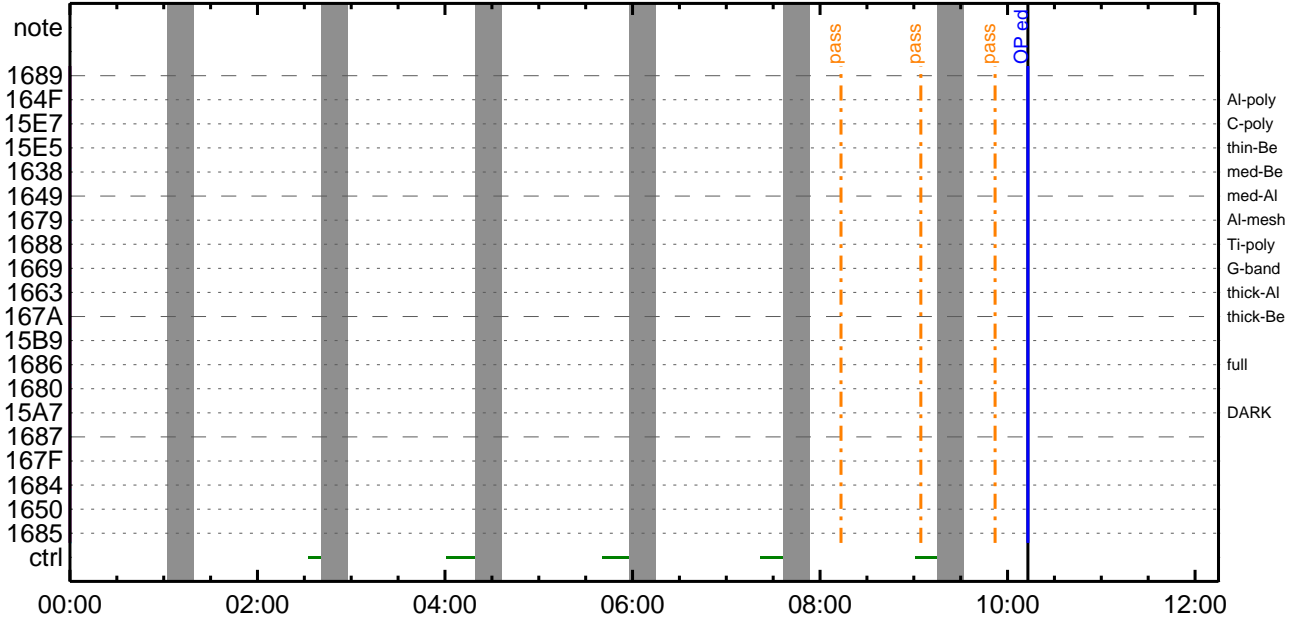
### CMDI #0513 2009/04/22



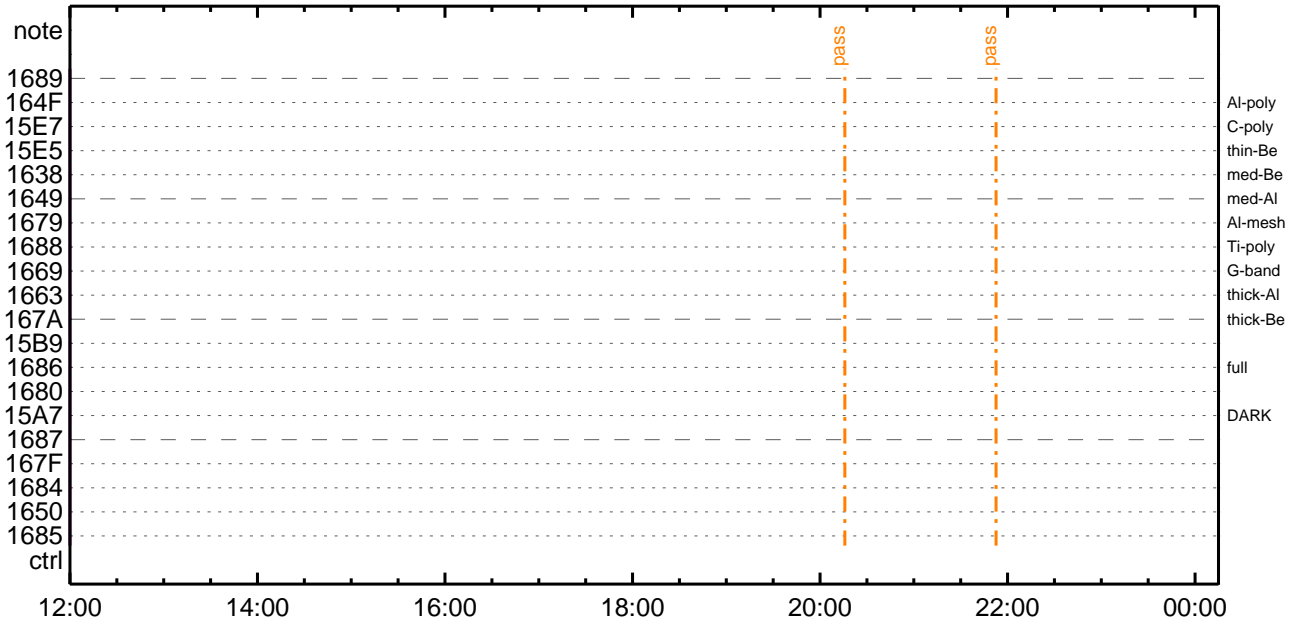
CMDI #0513 2009/04/22



CMDI #0513 2009/04/23



CMDI #0513 2009/04/23



(a) Spacecraft Operation Procedure (real-commands)

```
main-541 2009-04-18 15:23:20 205 33 SOLAR-B MAIN //
0001  C.
0002  . C. ***** AOS *****
0003  C.
0004  . C. ;ãAOSYÅY$YÅY~¼Å»Û;ä
0005  C.
0006  C. YÀYB;¼Y³YBYÖYÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008  C.
0009  . C. ***** AOCs : Reload orbital element (send every contact) *****
0010  C.  Aí;È¿¿ãã•µ°È»Í×ÁÇ¿ÍYçYÅY×Yí;¼YÉ;ÈÈ%µ•íÉ;ÈÈ%°ÇÔã•ã¿¼í¹çãí;çÀ®, ùã¹ãÈããÇÁ÷¿®ã•ãÈããã³ãÈ;£
0011 +. DC 02-8E AOCU_ORB_UPD
0012  C.
0013  C.
0014  . C. *****
0015  C. OP/OGYí;¼YÉ;|YÅYÖY×
0016  C. *****
0017  C.
0018  . C. ;ãOP/OGYí;¼YÉ;ä
0019  . S. OP      op-541:OP
0020  C.
0021  . S. OG      og-541:OG
0022  C.
0023  C.
0024  . C. ;ãNMOG&OPî°èYÅYÖY×;ä
0025  C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027  BC      (20 00 7f 01 02)
0028  C.      çç[HK1_DMP_TOP_ADRS_1]           EQ      40
0029  C.      çç[HK1_DMP_TOP_ADRS_0]           EQ      0
0030  C.      çç[HK1_DMP_BLOCK_NUM]           EQ     127
0031  C.      çç[HK1_DMP_REPEAT_NUM]         EQ      0
0032  C.      çç[HK1_DMA_DMP_PIM]            EQ     DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034  BC      (07 0b f8)
0035  C.      çç[HK1_PKT_FORM_NO]             EQ      7
0036  C.      çç[HK1_PKT_GEN_TIME]           EQ     0.25 s
0037  C.      çç[HK1_S_TLM_BIT_RATE]         EQ     32k
0038  C.      çç[HK1_X_TLM_BIT_RATE]         EQ     4M
0039  C.      çç[HK1_DMP_CHK_FLG]           EQ     EXEC
0040  . C.  YÀYÖY×½ª î»ðð³ÍÇ§
0041  C.      çç[HK1_DMP_CHK_FLG]           EQ     NON
0042  . C.  RAM ID=NMOG¿¿È¹ç•è²¿OK¿ð³ÍÇ§
0043  C.
0044  C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046  BC      (20 80 7f 01 02)
0047  C.      çç[HK1_DMP_TOP_ADRS_1]           EQ     41
0048  C.      çç[HK1_DMP_TOP_ADRS_0]           EQ      0
0049  C.      çç[HK1_DMP_BLOCK_NUM]           EQ     127
0050  C.      çç[HK1_DMP_REPEAT_NUM]         EQ      0
0051  C.      çç[HK1_DMA_DMP_PIM]            EQ     DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053  BC      (07 0b f8)
0054  C.      çç[HK1_PKT_FORM_NO]             EQ      7
0055  C.      çç[HK1_PKT_GEN_TIME]           EQ     0.25 s
0056  C.      çç[HK1_S_TLM_BIT_RATE]         EQ     32k
0057  C.      çç[HK1_X_TLM_BIT_RATE]         EQ     4M
0058  C.      çç[HK1_DMP_CHK_FLG]           EQ     EXEC
0059  . C.  YÀYÖY×½ª î»ðð³ÍÇ§
0060  C.      çç[HK1_DMP_CHK_FLG]           EQ     NON
0061  . C.  RAM ID=NMOG¿¿È¹ç•è²¿OK¿ð³ÍÇ§
0062  C.
0063  C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065  BC      (21 00 41 01 02)
0066  C.      çç[HK1_DMP_TOP_ADRS_1]           EQ     42
0067  C.      çç[HK1_DMP_TOP_ADRS_0]           EQ      0
0068  C.      çç[HK1_DMP_BLOCK_NUM]           EQ     65
0069  C.      çç[HK1_DMP_REPEAT_NUM]         EQ      0
0070  C.      çç[HK1_DMA_DMP_PIM]            EQ     DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072  BC      (07 0b f8)
0073  C.      çç[HK1_PKT_FORM_NO]             EQ      7
0074  C.      çç[HK1_PKT_GEN_TIME]           EQ     0.25 s
0075  C.      çç[HK1_S_TLM_BIT_RATE]         EQ     32k
0076  C.      çç[HK1_X_TLM_BIT_RATE]         EQ     4M
0077  C.      çç[HK1_DMP_CHK_FLG]           EQ     EXEC
0078  . C.  YÀYÖY×½ª î»ðð³ÍÇ§
0079  C.      çç[HK1_DMP_CHK_FLG]           EQ     NON
0080  . C.  RAM ID=NMOG, RAM ID=OP¿¿È¹ç•è²¿OK¿ð³ÍÇ§
0081  C.
0082  . C.  *****  oÈ²¼ã¿¿Ä¹¶¼°ãÈÈ-ã¿¿®(¼ãµ-YÅYÖY×¼È%çã¿¿ÄÖÅãçªªã°¬¿¼¿¿çç¿¿ã) *****
0083  C. DHUYâ;¼YÉ;È%Y¾, Yí;¼YÉ;Èã¿¿ìã¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085  BC      (02 0a f8)
0086  C.      çç[HK1_PKT_FORM_NO]             EQ      2
0087  C.      çç[HK1_PKT_GEN_TIME]           EQ     0.5S
0088  C.      çç[HK1_S_TLM_BIT_RATE]         EQ     32K
0089  C.      çç[HK1_X_TLM_BIT_RATE]         EQ     4M
0090  C.
0091  . C. *****
0092  C. TI-CMD SET (OPOG STOP/COPY/START)
0093  C. *****
0094  C.
0095  . C. NOTICE ;§ OPOG UPLOADã-Ä÷¿¿®NG¿¿È¹ç; ç°È²¼ã¿¿Ä¹¶¼°ãÈÈ-CMDÁ÷¿¿®¿¿Ä¹Ôã•ãÈããã³ãÈ;£
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0096 C.                0300;çSET0EDUMP01Æ±°iYÑY¹0Ç¹00|0³0E;E
0097 C.
0098 . C. TIY³YF¥ÖYÉ00ÀDİç(UT)
0099 +. TI 2009-04-18 10:37:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0102 C.
0103 +. TI 2009-04-18 10:37:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0106 C.
0107 +. TI 2009-04-18 10:37:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0110 C.
0111 +. TI 2009-04-18 10:41:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0114 C.
0115 C. °E²¼0İÄè%îİÑ0İYÁY§YÁY-¹àİÜ
0116 C.                çç[HK1_TI_CMD_ENA/DIS]                EQ        ENA
0117 C.                çç[HK1_TI_CMD_NUM]                EQ        4
0118 C.                çç[HK1_NEXT_EXEC_PIM]                EQ        DHU
0119 C.                çç[HK1_NEXT_EXEC_DC]                EQ        0xB3
0120 C.
0121 . C. *****
0122 C. TIİİ°èYÄYÖY×
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC (03 ab 03 01 02)
0128 C.                çç[HK1_DMP_TOP_ADRS_1]                EQ        07
0129 C.                çç[HK1_DMP_TOP_ADRS_0]                EQ        2B
0130 C.                çç[HK1_DMP_BLOCK_NUM]                EQ        3
0131 C.                çç[HK1_DMP_REPEAT_NUM]                EQ        0
0132 C.                çç[HK1_DMA_DMP_PIM]                EQ        DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC (07 0b f8)
0135 C.                çç[HK1_PKT_FORM_NO]                EQ        7
0136 C.                çç[HK1_PKT_GEN_TIME]                EQ        0.25 s
0137 C.                çç[HK1_S_TLM_BIT_RATE]                EQ        32k
0138 C.                çç[HK1_X_TLM_BIT_RATE]                EQ        4M
0139 C.                çç[HK1_DMP_CHK_FLG]                EQ        EXEC
0140 C.
0141 . C. YÄYÖY×½³İ»00³İÇ§
0142 C.                çç[HK1_DMP_CHK_FLG]                EQ        NON
0143 C.
0144 . C. RAM ID=TI_TBL0İ%È¹Ç•è²İOK00³İÇ§
0145 C.
0146 . C. DHUYâ;¼YÉ;È¼Y¼,¥î;¼YÈ;È00İã0¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC (02 0a f8)
0149 C.                çç[HK1_PKT_FORM_NO]                EQ        2
0150 C.                çç[HK1_PKT_GEN_TIME]                EQ        0.5S
0151 C.                çç[HK1_S_TLM_BIT_RATE]                EQ        32K
0152 C.                çç[HK1_X_TLM_BIT_RATE]                EQ        4M
0153 C.
0154 C.
0155 C. ***** XRT START *****
0156 C. Execute, after the success of OP upload.
0157 +. TI 2009-04-18 10:41:00.0
0158 DC 07-F0 MDP_XRT_MODE_STBY
0159 BC (c3)
0160 . C.                [ ] [HK1_TI_CMD_NUM]                EQ        1COUNTUP
0161 C.
0162 C. ***** XRT END *****
0163 . C. Stop EIS observation and temporarily disable EIS mode changes
0164 C.
0165 C.
0166 C. ***** Start EIS operation (TI set) *****
0167 C. Execute, after the success of OP upload.
0168 C. Set EIS TI-commands
0169 +. TI 2009-04-18 10:41:30.0
0170 DC 07-FC EIS_MODE_MANU
0171 BC (21 02)
0172 +. TI 2009-04-18 10:41:40.0
0173 DC 07-FC EIS_MODE_CHG_DIS
0174 BC (22)
0175 . C.                [ ] [HK1_TI_CMD_NUM]                EQ        2 COUNTUP
0176 C. ***** End EIS operation (TI set) *****
0177 C.
0178 C.
0179 C. *****
0180 C. SOT TI command set
0181 C. *****
0182 C. Execute, after the success of OP upload.
0183 +. TI 2009-04-18 10:41:16.0
0184 DC 07-F0 MDP_SOT_MODE_STBY
0185 BC (41)
0186 . C. -----
0187 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0188 C. -----
0189 C. ***** SOT END *****
0190 C.
0191 . C. ***** MDP `ûÄİ0İ»ö¼Y0ÈÄ0¹0èDCBC•×²è *****
0192 C. (%â°İYÖYÄYÉYB¥ÉYÁYÇYè0È¼00¼Ä»Û0¹0é)
0193 . S. DC-BC dcbc-402:DCBC

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0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥ÐŸ!•İ Daily±;İÑøĒ'Øσ¹αēDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ã
0203 C.
0204 . C. ***** LOS *****
0205 C.
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0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCs Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 C.
0130 C. ***** XRT START *****
0131 C.
0132 +. DC 07-F0 MDP_XRT_CTRL_MANU
0133 BC (c1)
0134 + DC 07-F0 MDP_XRT_MODE_STBY
0135 BC (c3)
0136 . C. ----- Success Verify ? OK / NG____
0137 C.
0138 C. XRT Obs. Table Upload
0139 . S. RAM ram-291:MDP_OBS_X
0140 ( )
0141 C.
0142 +. DC 07-F0 MDP_DUMP_XRTTBL
0143 BC (84 07 00 00 00 3a d4)
0144 . C. ----- Comparison Check ? OK / ERR ____
0145 C.
0146 C.
0147 +. DC 07-F0 MDP_XRT_ROI_SET
0148 BC (cd 01 b1 b1 04 04)
0149 + DC 07-F0 MDP_XRT_ROI_SET
0150 BC (cd 02 b1 b1 08 08)
0151 + DC 07-F0 MDP_XRT_ROI_SET
0152 BC (cd 03 b1 b1 08 08)
0153 + DC 07-F0 MDP_XRT_ROI_SET
0154 BC (cd 04 b1 b1 06 06)
0155 + DC 07-F0 MDP_XRT_ROI_SET
0156 BC (cd 06 80 80 06 06)
0157 + DC 07-F0 MDP_XRT_ROI_SET
0158 BC (cd 07 80 80 20 20)
0159 + DC 07-F0 MDP_XRT_ROI_SET
0160 BC (cd 08 8c 83 0c 0c)
0161 + DC 07-F0 MDP_XRT_ROI_SET
0162 BC (cd 09 83 85 06 06)
0163 + DC 07-F0 MDP_XRT_ROI_SET
0164 BC (cd 0a 80 80 08 08)
0165 + DC 07-F0 MDP_XRT_ROI_SET
0166 BC (cd 0b 85 83 08 08)
0167 + DC 07-F0 MDP_XRT_ROI_SET
0168 BC (cd 0c 80 80 04 04)
0169 + DC 07-F0 MDP_XRT_ROI_SET
0170 BC (cd 0f 80 80 04 04)
0171 + DC 07-F0 MDP_XRT_ROI_SET
0172 BC (cd 10 80 80 10 10)
0173 . C. ----- Success Verify ? OK / NG ____
0174 C.
0175 C.
0176 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0177 C.
0178 +. TI 2009-04-18 10:41:02.0
0179 DC 07-F0 MDP_XRT_MODE_OBSV
0180 BC (c2)
0181 . C. ----- Success Verify ? OK / NG ____
0182 C.
0183 C. ***** XRT END *****
0184 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0185 +. DC 07-FC EIS_MODE_MANU
0186 BC (21 02)
0187 . C. Verify EIS in MANUAL mode
0188 . C. Estimated OBSTBL upload time is 1m5s
0189 C. *****
0190 C. EIS START OBSTBL LOAD
0191 C. *****
0192 . S. RAM ram-820:EIS_OBSTBL
0193 ( )

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0194 +. DC 07-FC EIS_DUMP_OBSTBL
0195 BC      (07 07 07 00 00 70 00)
0196 C.
0197 C. Execute, after the success of OBSTBL upload.
0198 C. Set EIS TI-commands
0199 +. TI 2009-04-18 10:41:50.0
0200 DC 07-FC EIS_MODE_CHG_ENA
0201 BC      (20)
0202 . C.
0203 . C. ***** [      ] [HK1_TI_CMD_NUM]      EQ      1 COUNTUP
0204 . C. *****
0205 . C. EIS END OBSTBL LOAD
0206 . C. *****
0207 . C. ***** MDP      DCBC*x2è *****
0208 . C. (      )
0209 . S. DC-BC dcbc-402:DCBC
0210 (MDP_known_event)
0211 C.
0212 C.
0213 . C. ***** Daily±;ÎÑÈ'Øα¹èDCBC*x2è *****
0214 . S. DC-BC dcbc-153:DCBC
0215 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0216 C.
0217 C.
0218 . C. ;ãLOSŸÁŸSŸÃŸ-¼Ã»Û;ã
0219 C.
0220 . C. ***** LOS *****
0221 C.
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\*\*\* OP Sequence for XRT \*\*\*

2009/04/18	10:51:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	10:51:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/04/18	10:52:00.0	AOCS_ORe-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	01 00 00 00 00		
2009/04/18	10:52:16.0	XRT_QT_PROG_SET_412_OG [0x19c]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08		
2009/04/18	10:52:18.0	XRT_AEC_RESET_415_OG [0x19f]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2009/04/18	10:52:20.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/04/18	10:52:22.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/04/18	10:52:24.0	XRT_FLRCTRL_DIS_406_OG [0x196]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/04/18	10:53:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	10:59:00.0	XRT_Custom_430_OG [0x1ae]					
2009/04/18	11:00:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/18	11:05:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	11:18:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/18	12:44:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	12:56:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/18	14:22:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	14:35:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/18	14:40:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	14:48:30.0	XRT_Custom_430_OG [0x1ae]					
2009/04/18	14:49:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/18	16:01:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	16:13:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/18	16:14:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	16:37:30.0	XRT_Custom_430_OG [0x1ae]					
2009/04/18	16:38:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/18	17:39:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	17:50:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	18:14:30.0	XRT_Custom_430_OG [0x1ae]					
2009/04/18	18:15:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/18	18:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	18:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2009/04/18	19:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2009/04/18	19:00:16.0	XRT_FLD_DIS_419_OG [0x1a3]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/04/18	19:00:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/04/18	19:00:20.0	XRT_ARS_DIS_410_OG [0x19a]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/04/18	19:02:58.0	XRT_QT_PROG_SET_414_OG [0x19e]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02		
2009/04/18	19:03:00.0	XRT_CTRL_AUTO_440_OG [0x1b8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/18	19:09:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	19:09:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2009/04/18	19:10:00.0	AOCS_ORe-point_Start_3_OG [0x099]					
		AOCU_NM	5	02-76	00 c1 cb c7 a6		
2009/04/18	19:10:16.0	XRT_QT_PROG_SET_443_OG [0x1bb]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03		
2009/04/18	19:10:18.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2009/04/18	19:10:20.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2009/04/18	19:10:22.0	XRT_FLRCTRL_DIS_425_OG [0x1a9]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2009/04/18	19:13:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2009/04/18	19:18:00.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	19:27:30.0	XRT_CTRL_MANU_435_OG [0x1b3]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2009/04/18	19:51:00.0	XRT_Custom_430_OG [0x1ae]					

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2009/04/18	19:52:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/18	20:56:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/18	21:05:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/18	21:28:30.0	XRT_Custom_430_OG [0x1ae]							
2009/04/18	21:29:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/18	22:35:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/18	22:42:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/18	23:04:00.0	XRT_Custom_430_OG [0x1ae]							
2009/04/18	23:05:00.5	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	00:13:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	00:20:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	00:28:30.0	XRT_Custom_430_OG [0x1ae]							
2009/04/19	00:29:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	00:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	00:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/19	01:00:00.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 4b 8d 00 00				
2009/04/19	01:00:16.0	XRT_QT_PROG_SET_402_OG [0x192]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05				
2009/04/19	01:00:18.0	XRT_AEC_RESET_415_OG [0x19f]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/04/19	01:00:20.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/19	01:00:22.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/19	01:00:24.0	XRT_FLRCTRL_DIS_406_OG [0x196]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/19	01:03:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	01:44:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	01:51:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	02:05:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	03:19:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	03:30:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	03:43:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	04:48:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	05:08:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	05:22:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	05:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	05:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/04/19	06:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/04/19	06:00:16.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/19	06:00:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/19	06:00:20.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/19	06:02:58.0	XRT_QT_PROG_SET_401_OG [0x191]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 13				
2009/04/19	06:03:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	06:09:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	06:09:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/19	06:10:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/04/19	06:10:16.0	XRT_QT_PROG_SET_412_OG [0x19c]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2009/04/19	06:10:18.0	XRT_AEC_RESET_415_OG [0x19f]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/04/19	06:10:20.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/19	06:10:22.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/19	06:10:24.0	XRT_FLRCTRL_DIS_406_OG [0x196]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/19	06:13:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				

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2009/04/19	06:29:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	06:47:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	07:00:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	08:09:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	08:25:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	08:39:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	09:49:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	10:04:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	10:17:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	11:42:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	11:56:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	11:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	11:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/19	12:00:00.0	AOCs_OrE-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00 00 00 50 e5				
2009/04/19	12:00:16.0	XRT_QT_PROG_SET_405_OG [0x195]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d				
2009/04/19	12:00:18.0	XRT_AEC_RESET_415_OG [0x19f]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/04/19	12:00:20.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/19	12:00:22.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/19	12:00:24.0	XRT_FLRCTRL_DIS_406_OG [0x196]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/19	12:03:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	13:21:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	13:34:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	14:59:30.5	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	14:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	14:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/19	15:00:00.0	AOCs_OrE-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 4b 8d 00 00				
2009/04/19	15:00:16.0	XRT_QT_PROG_SET_402_OG [0x192]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05				
2009/04/19	15:00:18.0	XRT_AEC_RESET_415_OG [0x19f]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/04/19	15:00:20.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/19	15:00:22.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/19	15:00:24.0	XRT_FLRCTRL_DIS_406_OG [0x196]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/19	15:27:30.0	XRT_Custom_430_OG [0x1ae]							
2009/04/19	15:28:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	16:38:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	16:50:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	17:14:00.0	XRT_Custom_430_OG [0x1ae]							
2009/04/19	17:15:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	17:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	17:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/04/19	18:00:00.0	AOCs_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/04/19	18:00:16.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/19	18:00:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/19	18:00:20.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/19	18:02:58.0	XRT_QT_PROG_SET_414_OG [0x19e]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02				
2009/04/19	18:03:00.0	XRT_CTRL_AUTO_440_OG [0x1b8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/19	18:09:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/19	18:09:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/19	18:10:00.0	AOCs_OrE-point_Start_4_OG [0x09a]							

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2009/04/19	18:10:16.0	XRT_QT_PROG_SET_402_OG [0x192]	AOCU_NM	5	02-76	00	4b 8d	00 00
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	05	
2009/04/19	18:10:18.0	XRT_AEC_RESET_415_OG [0x19f]		1	07-F0	d0		
		MDP_XRT_AEC_RESET		1	07-F0	d5		
2009/04/19	18:10:20.0	XRT_ARS_DIS_422_OG [0x1a6]		1	07-F0	d9		
		MDP_XRT_ARS_DIS		1	07-F0	c9		
2009/04/19	18:10:22.0	XRT_FLD_DIS_445_OG [0x1bd]		1	07-F0	c0		
		MDP_XRT_FLD_DIS		1	07-F0	c1		
2009/04/19	18:10:24.0	XRT_FLRCTRL_DIS_406_OG [0x196]		1	07-F0	c1		
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c0		
2009/04/19	18:13:00.0	XRT_CTRL_AUTO_403_OG [0x193]		1	07-F0	c1		
		MDP_XRT_CTRL_AUTO		1	07-F0	c1		
2009/04/19	18:16:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/19	18:27:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c0		
2009/04/19	18:51:00.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c1		
2009/04/19	18:52:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c1		
		MDP_XRT_CTRL_AUTO		1	07-F0	c1		
2009/04/19	19:55:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/19	20:04:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/19	20:28:00.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c1		
2009/04/19	20:29:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c1		
		MDP_XRT_CTRL_AUTO		1	07-F0	c1		
2009/04/19	20:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/19	20:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]		4	07-F8	22 fe	97 00	
		XRT_FOCUS_POSITION		4	07-F8	22 fe	97 00	
2009/04/19	21:00:00.0	AOCs_OrE-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00	50 e5	00 00
				5	02-76	00	50 e5	00 00
2009/04/19	21:00:16.0	XRT_QT_PROG_SET_405_OG [0x195]		2	07-F0	c4	0d	
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	0d	
2009/04/19	21:00:18.0	XRT_AEC_RESET_415_OG [0x19f]		1	07-F0	d0		
		MDP_XRT_AEC_RESET		1	07-F0	d5		
2009/04/19	21:00:20.0	XRT_ARS_DIS_422_OG [0x1a6]		1	07-F0	d9		
		MDP_XRT_ARS_DIS		1	07-F0	c9		
2009/04/19	21:00:22.0	XRT_FLD_DIS_445_OG [0x1bd]		1	07-F0	c0		
		MDP_XRT_FLD_DIS		1	07-F0	c1		
2009/04/19	21:00:24.0	XRT_FLRCTRL_DIS_406_OG [0x196]		1	07-F0	c1		
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c0		
2009/04/19	21:03:00.0	XRT_CTRL_AUTO_403_OG [0x193]		1	07-F0	c1		
		MDP_XRT_CTRL_AUTO		1	07-F0	c1		
2009/04/19	21:33:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/19	21:42:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/19	22:05:00.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c1		
2009/04/19	22:06:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c1		
		MDP_XRT_CTRL_AUTO		1	07-F0	c1		
2009/04/19	23:11:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/19	23:19:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/19	23:38:00.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c1		
2009/04/19	23:39:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c1		
		MDP_XRT_CTRL_AUTO		1	07-F0	c1		
2009/04/19	23:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/19	23:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]		4	07-F8	22 fe	97 00	
		XRT_FOCUS_POSITION		4	07-F8	22 fe	97 00	
2009/04/20	00:00:00.0	AOCs_OrE-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00	ac 73	fd 59
				5	02-76	00	ac 73	fd 59
2009/04/20	00:00:16.0	XRT_QT_PROG_SET_420_OG [0x1a4]		2	07-F0	c4	14	
		MDP_XRT_QT_PROG_SET		2	07-F0	d0		
2009/04/20	00:00:18.0	XRT_AEC_RESET_415_OG [0x19f]		1	07-F0	d5		
		MDP_XRT_AEC_RESET		1	07-F0	d9		
2009/04/20	00:00:20.0	XRT_ARS_DIS_422_OG [0x1a6]		1	07-F0	c9		
		MDP_XRT_ARS_DIS		1	07-F0	c0		
2009/04/20	00:00:22.0	XRT_FLD_DIS_445_OG [0x1bd]		1	07-F0	c1		
		MDP_XRT_FLD_DIS		1	07-F0	c1		
2009/04/20	00:00:24.0	XRT_FLRCTRL_DIS_406_OG [0x196]		1	07-F0	c1		
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c0		
2009/04/20	00:03:00.0	XRT_CTRL_AUTO_403_OG [0x193]		1	07-F0	c1		
		MDP_XRT_CTRL_AUTO		1	07-F0	c1		
2009/04/20	00:50:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/20	00:56:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/20	01:04:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c1		
		MDP_XRT_CTRL_AUTO		1	07-F0	c1		
2009/04/20	02:19:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/20	02:28:30.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/20	02:43:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]		1	07-F0	c1		
		MDP_XRT_CTRL_AUTO		1	07-F0	c1		
2009/04/20	03:51:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		
2009/04/20	04:07:00.0	XRT_CTRL_MANU_435_OG [0x1b3]		1	07-F0	c1		
		MDP_XRT_CTRL_MANU		1	07-F0	c1		

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2009/04/20	04:21:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/20	05:27:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	05:45:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	06:00:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/20	06:03:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	06:03:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/04/20	06:04:00.0	AOCS_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/04/20	06:04:16.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/20	06:04:18.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/20	06:04:20.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/20	06:06:58.0	XRT_QT_PROG_SET_401_OG [0x191]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 13				
2009/04/20	06:07:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/20	06:13:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	06:13:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/20	06:14:00.0	AOCS_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/04/20	06:14:16.0	XRT_QT_PROG_SET_412_OG [0x19c]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2009/04/20	06:14:18.0	XRT_AEC_RESET_415_OG [0x19f]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/04/20	06:14:20.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/20	06:14:22.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/20	06:14:24.0	XRT_FLRCTRL_DIS_406_OG [0x196]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/20	06:17:00.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/20	07:07:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	07:24:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	07:38:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/20	08:47:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	09:02:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	09:17:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/20	10:28:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	10:55:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/20	12:19:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	12:34:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/20	13:58:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	14:12:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/20	15:36:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	15:51:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	16:14:00.0	XRT_Custom_430_OG [0x1ae]							
2009/04/20	16:15:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/20	17:15:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	17:27:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	17:51:00.0	XRT_Custom_430_OG [0x1ae]							
2009/04/20	17:52:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/20	18:06:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/20	18:06:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2009/04/20	18:06:30.0	AOCS_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/04/20	18:06:46.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/20	18:06:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/20	18:06:50.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/20	18:09:28.0	XRT_QT_PROG_SET_414_OG [0x19e]							

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2009/04/20	18:09:30.0	XRT_CTRL_AUTO_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	02
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/20	18:16:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/20	18:16:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/04/20	18:16:30.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 c1 cb c7 a6	
2009/04/20	18:16:46.0	XRT_QT_PROG_SET_400_OG [0x190]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 01	
2009/04/20	18:16:48.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2009/04/20	18:16:50.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/04/20	18:16:52.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/04/20	18:16:54.0	XRT_FLRCTRL_DIS_406_OG [0x196]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/04/20	18:19:30.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/20	18:53:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/20	19:04:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/20	19:28:00.0	XRT_Custom_430_OG [0x1ae]					
2009/04/20	19:29:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/20	20:31:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/20	20:41:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/20	21:05:00.0	XRT_Custom_430_OG [0x1ae]					
2009/04/20	21:06:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/20	22:10:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/20	22:19:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/20	22:41:00.0	XRT_Custom_430_OG [0x1ae]					
2009/04/20	22:42:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/20	23:48:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/20	23:56:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/20	23:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/20	23:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/04/21	00:00:00.0	AOCS_ORe-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	00 53 8d 00 00	
2009/04/21	00:00:16.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c	
2009/04/21	00:00:18.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2009/04/21	00:00:20.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/04/21	00:00:22.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/04/21	00:00:24.0	XRT_FLRCTRL_DIS_406_OG [0x196]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/04/21	00:07:30.0	XRT_Custom_430_OG [0x1ae]					
2009/04/21	00:08:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/21	01:23:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/21	01:27:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/21	01:42:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/21	02:55:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/21	03:05:30.5	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/21	03:21:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/21	04:24:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/21	04:44:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/21	04:59:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/04/21	05:37:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/04/21	05:37:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2009/04/21	05:37:30.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2009/04/21	05:37:46.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/04/21	05:37:48.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	

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2009/04/21	05:37:50.0	XRT_ARS_DIS_410_OG [0x19a]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/21	05:40:28.0	XRT_QT_PROG_SET_401_OG [0x191]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 13				
2009/04/21	05:40:30.5	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/21	05:47:24.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/21	05:47:26.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/21	05:47:30.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2009/04/21	05:47:46.0	XRT_QT_PROG_SET_412_OG [0x19c]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2009/04/21	05:47:48.0	XRT_AEC_RESET_415_OG [0x19f]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/04/21	05:47:50.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/21	05:47:52.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/21	05:47:54.0	XRT_FLRCTRL_DIS_406_OG [0x196]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/21	05:50:30.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/21	06:05:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/21	06:22:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/21	06:38:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/21	07:45:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/21	08:01:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/21	08:16:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/21	09:25:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/21	09:29:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/21	09:29:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2009/04/21	09:29:22.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
2009/04/21	09:29:24.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/04/21	09:29:26.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/04/21	09:29:28.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/04/21	09:29:30.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/04/21	10:31:54.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/04/21	10:32:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				