

# XRT Timeline to be uploaded on 2009/10/20

Period: 2009/10/20 09:27:00 - 2009/10/23 09:40:00

\* \* \* \* \*

Normal mode

\* \* \* \* \*

XOB #171C: HOP 133 - Al/mesh (8s), Al/poly (12s) - 384x384 - AEC1 Q95 - 2 min cad												
Term	Pointing (x, y)		Comment									
10/20 09:52:30 - 10/20 09:59:54	Fixed ( -770.0, 520.0)		# OP start + 10min, HOP133									
10/20 10:03:00 - 10/20 10:59:54	Fixed ( -840.0, 410.0)		HOP 133									
10/21 09:03:00 - 10/21 09:59:54	Fixed ( -770.0, 520.0)		HOP133									
10/21 10:03:00 - 10/21 10:59:54	Fixed ( -840.0, 410.0)		HOP133									
<b>PROG= 02 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 56 1-time(s) 120.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	8.00s	Obs	1x1	384x384 (1064, 1048)	Q=98	1	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	11.3s	Obs	1x1	384x384 (1064, 1048)	Q=98	1	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1722: AR multifilter Q95 - hot plasma - FOV768 (2x2) - AEC1 thin filters												
Term	Pointing (x, y)		Comment									
10/20 11:03:00 - 10/20 11:43:54	Track ( 466.6, -522.0) @ 10/20 11:00:00		HOP136									
10/20 13:46:58 - 10/20 13:59:54	Track ( 466.6, -522.0) @ 10/20 11:00:00		HOP136									
10/21 11:03:00 - 10/21 11:43:54	Track ( 612.6, -509.6) @ 10/21 11:00:00		HOP136 & HOP140									
10/21 13:46:58 - 10/21 14:00:00	Track ( 612.6, -509.6) @ 10/21 11:00:00		HOP136 & HOP140									
<b>PROG= 12 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 300.0sec												
└─ Seqn= 64 1-time(s) 4.0sec												
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs	2x2	768x768 (1064, 1048)	Q=95	1	0	2.0sec
Open/Ti-poly	thin-Be/Open	close	Safe	Norm	250ms	Obs	2x2	768x768 (1064, 1048)	Q=95	1	0	2.0sec
└─ Seqn= 63 1-time(s) 4.0sec												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	250ms	Obs	2x2	768x768 (1064, 1048)	Q=95	1	0	2.0sec
C-poly/Open	C-poly/Open	close	Safe	Norm	250ms	Obs	2x2	768x768 (1064, 1048)	Q=95	1	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	5.66s	Obs	2x2	768x768 (1064, 1048)	Q=95	1	0	2.0sec
med-Be/Open	med-Al/Open	close	Safe	Norm	11.3s	Obs	2x2	768x768 (1064, 1048)	Q=98	0	0	2.0sec
med-Al/Open	med-Al/Open	close	Safe	Norm	11.3s	Obs	2x2	768x768 (1064, 1048)	Q=98	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1721: HOP136 ondisk AR												
Term	Pointing (x, y)		Comment									
10/20 11:47:00 - 10/20 13:43:54	Track ( 466.6, -522.0) @ 10/20 11:00:00		HOP136									
10/21 11:47:00 - 10/21 13:43:54	Track ( 612.6, -509.6) @ 10/21 11:00:00		HOP136 & HOP140									
<b>PROG= 09 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 12 1-time(s) 4.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	384x384 (1064, 1048)	Q=95	0	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	768x768 (1064, 1048)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	1024x1024 (1064, 1048)	Q=98	0	0	2.0sec
└─ Subr= 2 15-time(s) 2.0sec												
└─ Seqn= 4 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	4x4	1024x1024 (1064, 1048)	Q=92	2	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	177ms	Obs	4x4	1024x1024 (1064, 1048)	Q=92	2	0	2.0sec
└─ Seqn= 61 60-time(s) 30.0sec												
thin-Be/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=85	3	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #16C5: AR monitor - 3FOV core_Q85 around_outr_Q92 - draft												
Term	Pointing (x, y)		Comment									
10/20 14:03:00 - 10/20 17:49:54	Track ( 486.3, -520.7) @ 10/20 14:00:00		HOP140									
10/20 23:25:30 - 10/21 05:59:54	Track ( 544.0, -516.1) @ 10/20 23:10:00		Loop oscillation									
10/21 06:13:00 - 10/21 08:59:54	Track ( 585.4, -512.4) @ 10/21 06:10:00		Loop oscillation									
10/21 14:03:06 - 10/21 17:53:24	Track ( 612.6, -509.6) @ 10/21 11:00:00		HOP136 & HOP140									
<b>PROG= 15 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 12 1-time(s) 4.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	384x384 (1064, 1048)	Q=95	0	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	768x768 (1064, 1048)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	1024x1024 (1064, 1048)	Q=98	0	0	2.0sec
└─ Subr= 2 15-time(s) 2.0sec												
└─ Seqn= 14 4-time(s) 60.0sec												
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	707ms	Obs	1x1	384x384 (1064, 1048)	Q=85	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=85	3	0	2.0sec
└─ Seqn= 1 1-time(s) 4.0sec												
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	354ms	Obs	2x2	768x768 (1064, 1048)	Q=92	2	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	2x2	768x768 (1064, 1048)	Q=92	2	0	2.0sec

thin-Be/Open	med-Be/Open	close	Safe	Norm	5.66s	Obs	2x2	768x768 (1064, 1048)	Q=92	2	0	2.0sec
<b>Seqn= 4 1-time(s) 4.0sec</b>												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	4x4	1024x1024 (1064, 1048)	Q=92	2	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	177ms	Obs	4x4	1024x1024 (1064, 1048)	Q=92	2	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

**XOB #171B: Synoptic Q95 2x2 - Al/poly(362/2897) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(512/4096) + G-band(16)**

Term	Pointing (x, y)	Comment
10/20 17:53:00 - 10/20 18:09:54	Fixed ( 0.0, 0.0)	synoptic, shifted -10.0 min
10/21 17:56:30 - 10/22 06:25:24	Fixed ( 0.0, 0.0)	synoptic, shifted -6.5 min

**PROG= 06 1-time(s)**

<b>Subr= 1 1-time(s) 12.0sec</b>												
<b>Seqn= 44 1-time(s) 4.0sec</b>												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	354ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
<b>Seqn= 58 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= 35 1-time(s) 4.0sec</b>												
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
<b>Seqn= 11 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 #16AC: G-Band Alignment with North Pole Q90 2x2(G-band only) - 5min cadence - Partial Sun-wNGT**

Term	Pointing (x, y)	Comment
10/20 18:25:00 - 10/20 20:09:54	Fixed ( 0.0, 945.0)	Coalignment (N-limb) 2 hours

**PROG= 08 1-time(s)**

<b>Subr= 1 1-time(s) 360.0sec</b>												
<b>Seqn= 67 24-time(s) 300.0sec</b>												
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x1536 (1024, 768)	Q=90	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

**XOB #16AD: G-Band Alignment with East limb Q90 2x2 (G-band only) - 8 min cadence-wNGT**

Term	Pointing (x, y)	Comment
10/20 20:25:00 - 10/20 22:09:54	Fixed ( -945.0, 0.0)	Coalignment (E-limb) 2 hours

**PROG= 03 1-time(s)**

<b>Subr= 1 1-time(s) 360.0sec</b>												
<b>Seqn= 76 15-time(s) 480.0sec</b>												
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	1536x2048 (1280, 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 #1724: G-Band Alignment with West limb Q90 2x2 (G-band only) - 5 min cadence-wNGT-2**

Term	Pointing (x, y)	Comment
10/20 22:13:00 - 10/20 22:39:54	Fixed ( 945.0, 0.0)	Coalignment (W-limb) 30 min

**PROG= 17 1-time(s)**

<b>Subr= 1 1-time(s) 360.0sec</b>												
<b>Seqn= 68 1-time(s) 2.0sec</b>												
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	1536x2048 (768, 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 #1725: G-Band Alignment with South Pole Q90 2x2(G-band only) - 5min cadence - Partial Sun-wNGT-2**

Term	Pointing (x, y)	Comment
10/20 22:43:00 - 10/20 23:09:54	Fixed ( 0.0, -945.0)	Coalignment (S-limb) 30 min

**PROG= 07 Inf.-time(s)**

<b>Subr= 1 1-time(s) 360.0sec</b>												
<b>Seqn= 73 24-time(s) 300.0sec</b>												
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x1536 (1024, 1280)	Q=90	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

**XOB #171A: Synoptic Q95 2x2 - Al/mesh(256/2048) + Dark cal(2x2 4x4 8x8 512 Q98) + Ti-poly(512/4096) + G-band(16) --- the same with 166B**

Term	Pointing (x, y)	Comment
10/21 06:03:00 - 10/21 06:09:54	Fixed ( 0.0, 0.0)	synoptic
10/22 06:28:30 - 10/22 06:36:24	Fixed ( 0.0, 0.0)	synoptic, shifted 26.5 min

**PROG= 01 1-time(s)**

<b>Subr= 1 1-time(s) 12.0sec</b>												
<b>Seqn= 55 1-time(s) 4.0sec</b>												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
<b>Seqn= 58 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= 35</b>			<b>1-time(s)</b>		<b>4.0sec</b>							
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
<b>Seqn= 11</b>			<b>1-time(s)</b>		<b>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	

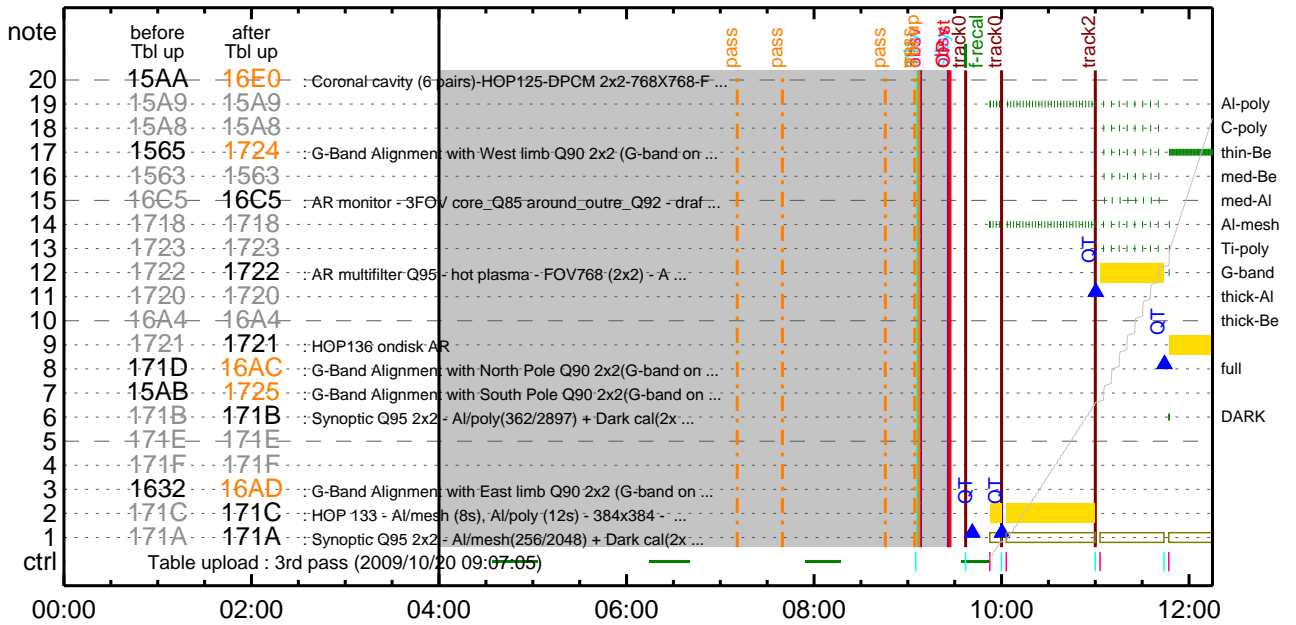
<b>XOB #16E0: Coronal cavity (6 pairs)-HOP125-DPCM 2x2-768X768-FOV 5min cadence</b>												
Term			Pointing (x, y)				Comment					
10/22 06:39:30 - 10/22 11:23:54			Fixed ( -575.0, -750.0)				Cavity observation (HOP 73)					
<b>PROG= 20 Inf.-time(s)</b>												
<b>Subr= 1</b>			<b>9-time(s)</b>		<b>300.0sec</b>							
<b>Seqn= 70</b>			<b>1-time(s)</b>		<b>4.0sec</b>							
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	2x2	768x768 (1064, 1048)	DPCM	0	0	2.0sec
<b>Seqn= 75</b>			<b>1-time(s)</b>		<b>4.0sec</b>							
Al-poly/Open	Al-poly/Open	close	Safe	Norm	11.3s	Obs	2x2	768x768 (1064, 1048)	DPCM	0	0	2.0sec
<b>Seqn= 77</b>			<b>1-time(s)</b>		<b>4.0sec</b>							
C-poly/Open	med-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	768x768 (1064, 1048)	DPCM	0	0	2.0sec
<b>Seqn= 71</b>			<b>1-time(s)</b>		<b>2.0sec</b>							
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	16.0s	Obs	2x2	768x768 (1064, 1048)	DPCM	0	0	2.0sec
<b>Seqn= 72</b>			<b>1-time(s)</b>		<b>4.0sec</b>							
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	22.6s	Obs	2x2	768x768 (1064, 1048)	DPCM	0	0	2.0sec
<b>Seqn= 74</b>			<b>1-time(s)</b>		<b>2.0sec</b>							
thin-Be/Open	med-Be/Open	close	Safe	Norm	64.0s	Obs	2x2	768x768 (1064, 1048)	DPCM	0	0	2.0sec
<b>Subr= 2</b>			<b>1-time(s)</b>		<b>2.0sec</b>							
<b>Seqn= 69</b>			<b>1-time(s)</b>		<b>4.0sec</b>							
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (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	

```

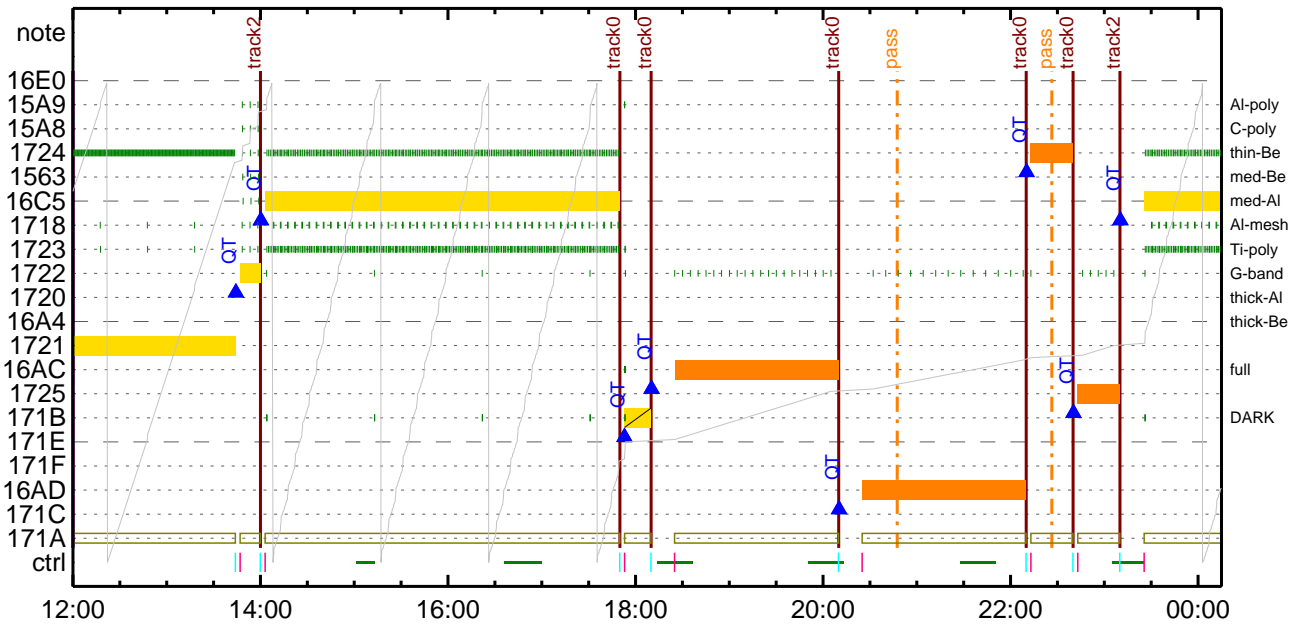
* * * * *
                                Flare mode                                * * * * *
                                NOT USED
* * * * *
                                Active Region Search                        * * * * *
                                NOT USED
* * * * *
                                Flare Detection                            * * * * *
                                NOT USED

```

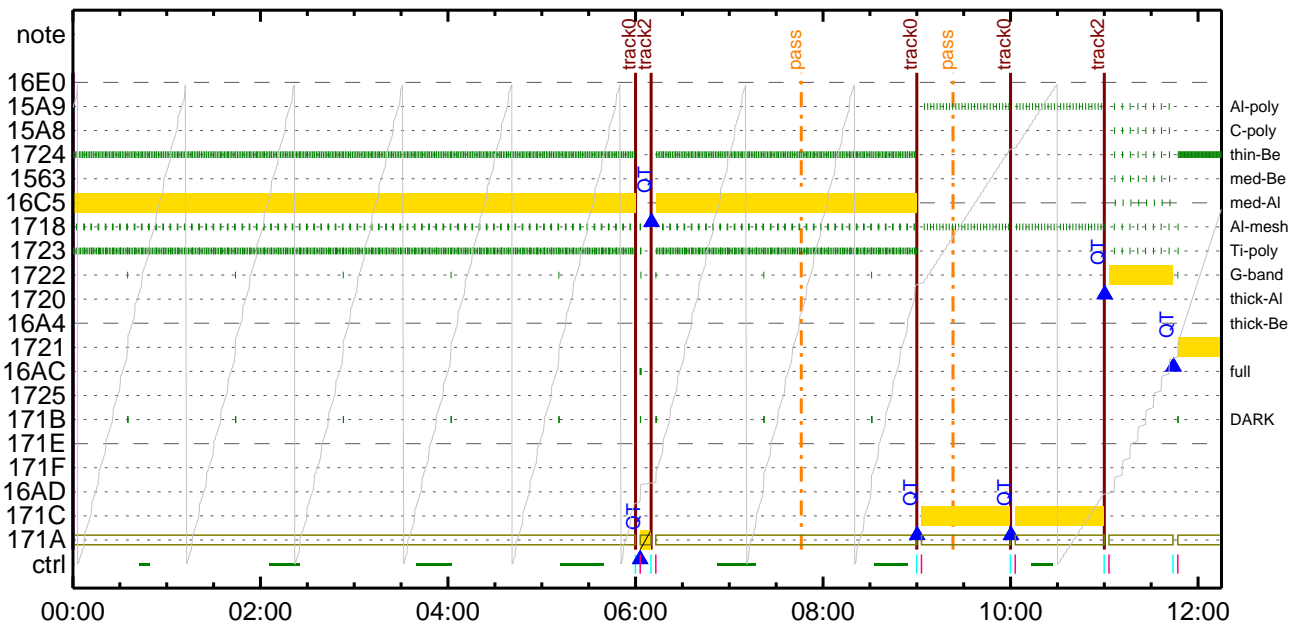
### CMDI #0862 2009/10/20



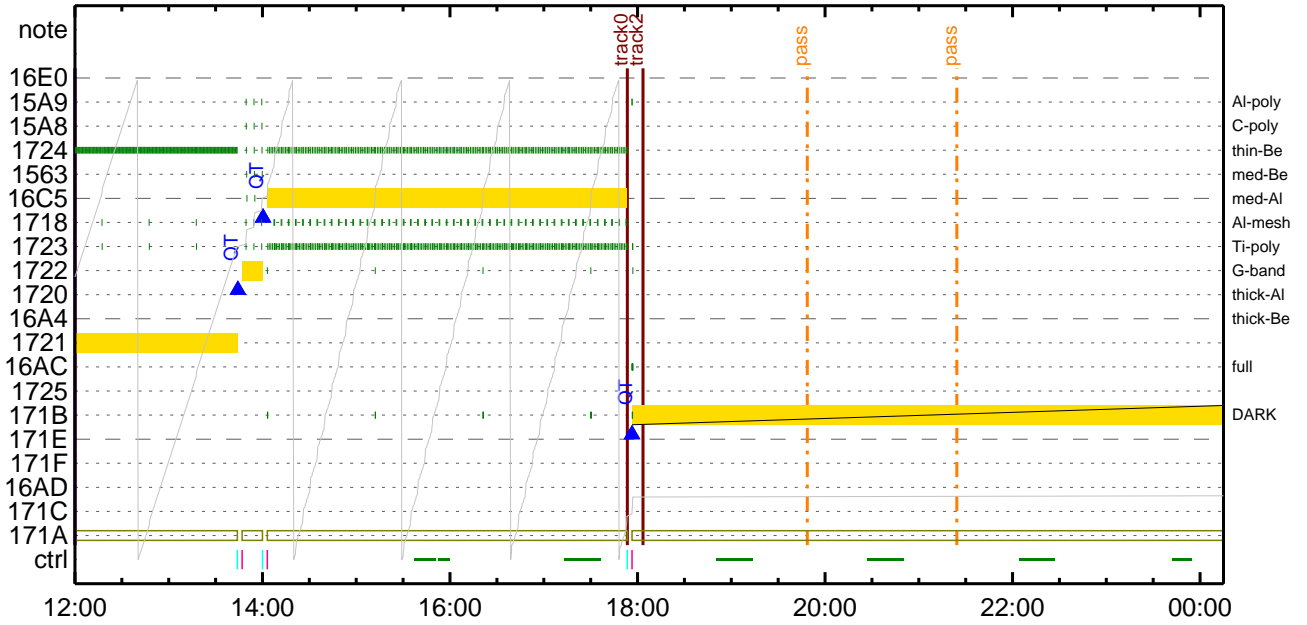
### CMDI #0862 2009/10/20



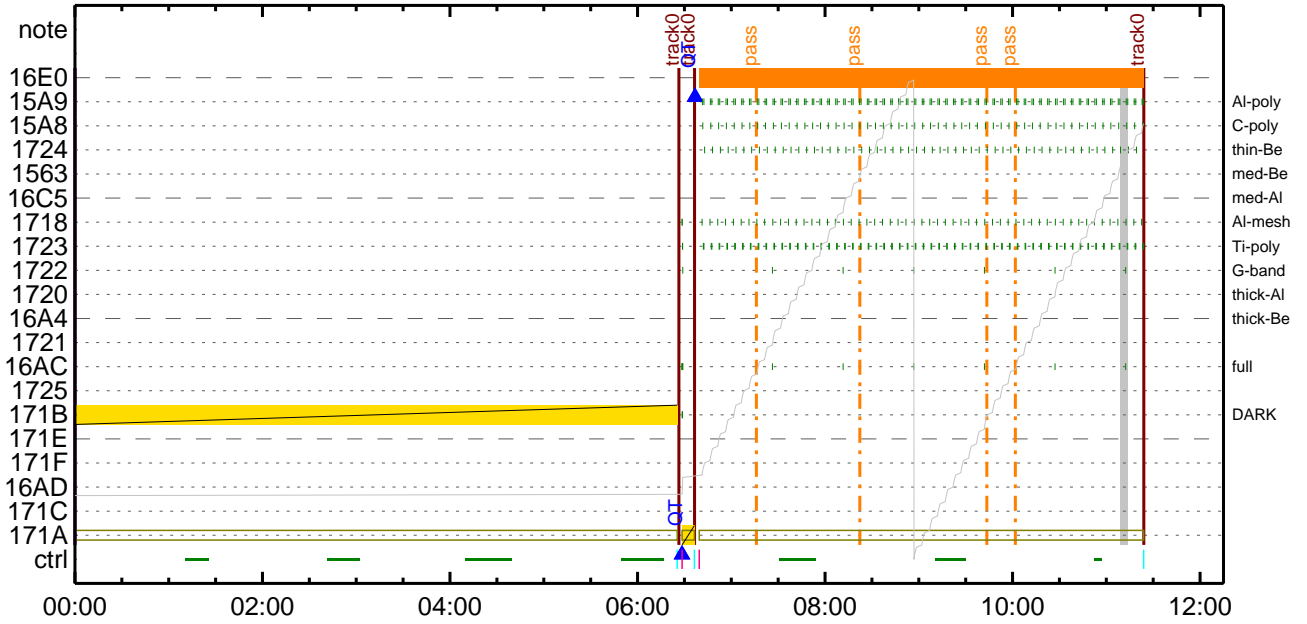
### CMDI #0862 2009/10/21



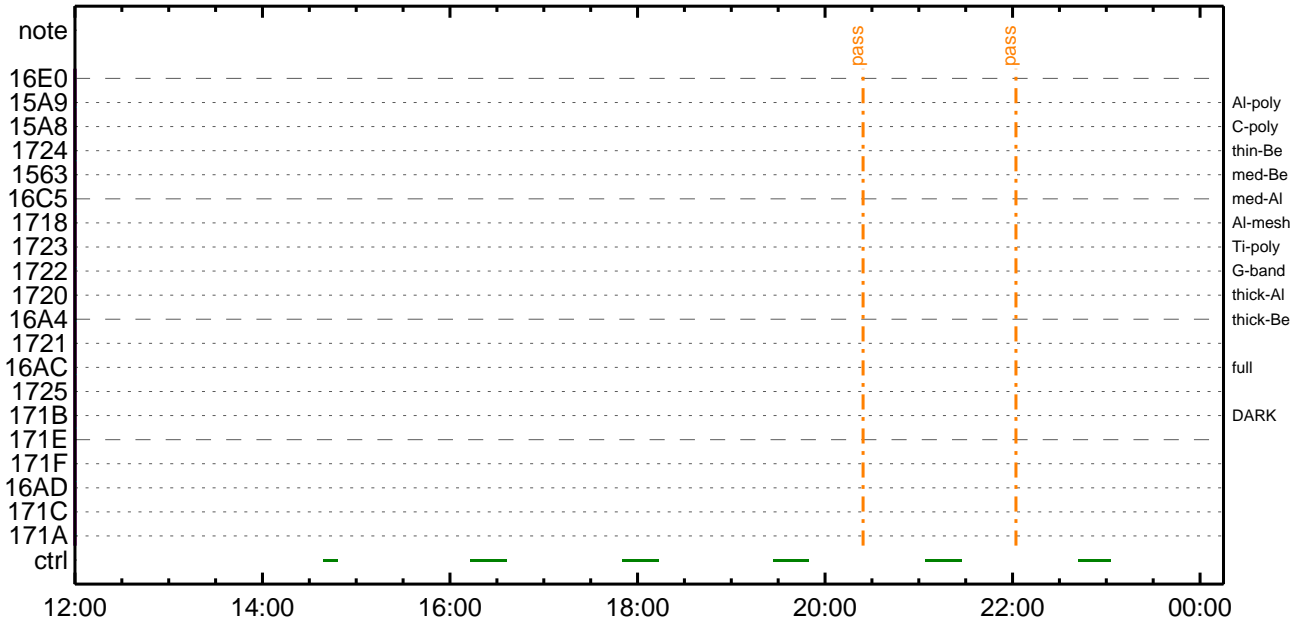
### CMDI #0862 2009/10/21



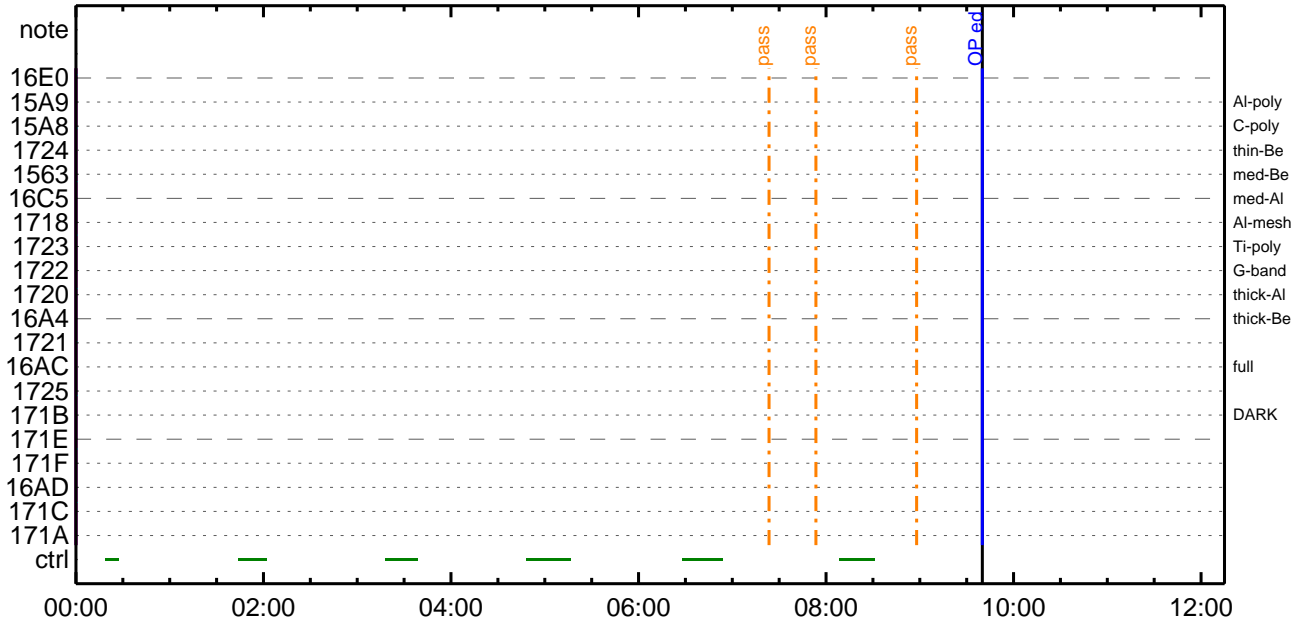
### CMDI #0862 2009/10/22



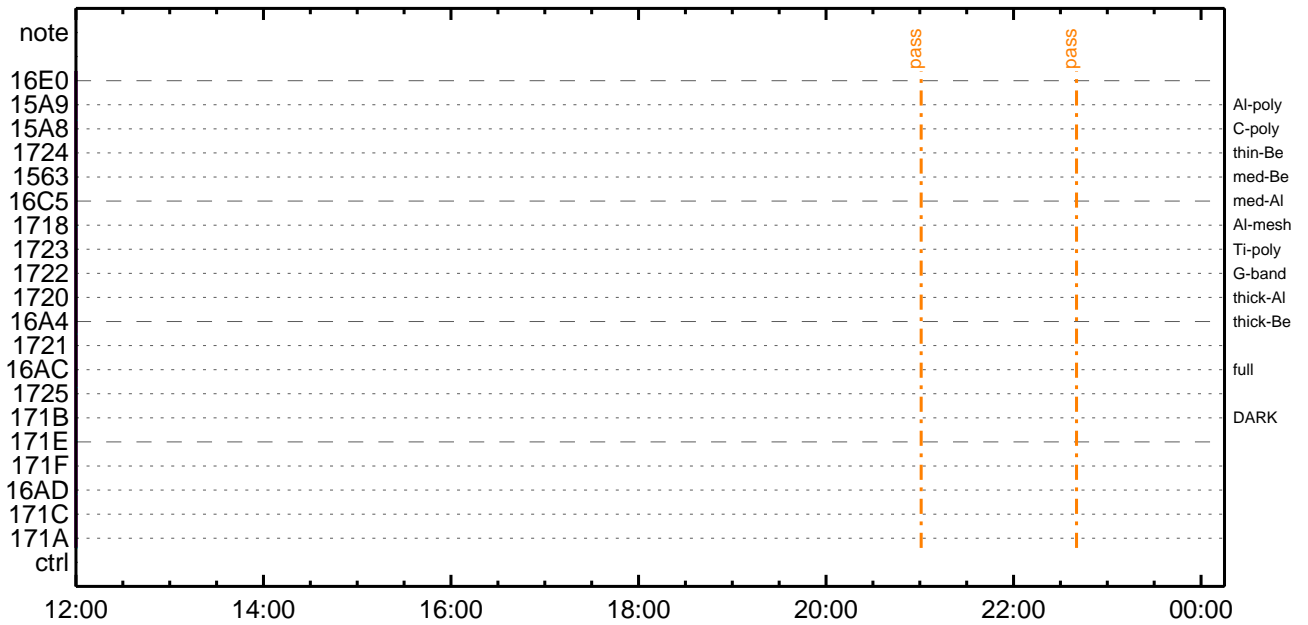
### CMDI #0862 2009/10/22



CMDI #0862 2009/10/23



CMDI #0862 2009/10/23



(a) Spacecraft Operation Procedure (real-commands)

```
main-920 2009-10-20 12:46:58 205 33 SOLAR-B MAIN //
0001 . C.
0002 . C. ***** AOS *****
0003 . C.
0004 . C. ;ãAOSYÃY$YÃY-¼Ä»Û;ä
0005 . C.
0006 . C. YÃY$;¼Y$³YFYOYÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 . C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 . C. Äí;Èð¿ðÄð•µ°Æ»Í×ÄÇðÍYçYÃY×Yí;¼YÉ;ÈÈèµ•íÍÈ;ÈðÈ¼°ÇÓð•ð¿¼l¹çðÍ;çÄ®, ùð¹ðÈððçÄ÷¿®ð•ðÈððð³ðÈ;é
0011 +. DC 02-8E AOCU_ORB_UPD
0012 . C.
0013 . C.
0014 . C. *****
0015 . C. OP/OGYí;¼YÉ; | YÃYóY×
0016 . C. *****
0017 . C.
0018 . C. ;ãOP/OGYí;¼YÉ;ä
0019 . S. OP op-920:OP
0020 . C.
0021 . S. OG og-920:OG
0022 . C.
0023 . C.
0024 . C. ;ãNMOG&OPÎ°èYÃYóY×;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. YÃYóY×¼ªªÎ»ðð³ÎÇ§
0041 . C. çç[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOGðÍ¼È¹ç•è²ÌOKðð³ÎÇ§
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. YÃYóY×¼ªªÎ»ðð³ÎÇ§
0060 . C. çç[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOGðÍ¼È¹ç•è²ÌOKðð³ÎÇ§
0062 . C.
0063 . C. NMOG(0x210000-0x210FFF;§ 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. YÃYóY×¼ªªÎ»ðð³ÎÇ§
0079 . C. çç[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG,RAM ID=OPðÍ¼È¹ç•è²ÌOKðð³ÎÇ§
0081 . C.
0082 . C. ***** òÈ²¼òí¼Ä´¶À°òÈÈ-ò°Ä÷¿® (¼áµ-YÃYóY×¼¼çððÄÖÄæçªª°ð-òÈ¼l¹çççðâ) *****
0083 . C. DHUYã;¼YÉ;È¼Y¼;Yí;¼YÉ;Èððíáð¹
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 UPLOADð-Ä÷¿®NGðÍ¼l¹ç;ç°È²¼¼ðîTI-CMDÁ÷¿®ðí¼Ä¹Ôð•ðÈððð³ðÈ;é
```

```

0096 C.          0303; SET EDUMP I±°iYNY¹aÇ¹Ôa|³³E;E
0097 C.
0098 . C. TIY³YBYÖYÉ0dÄDİ¿(UT)
0099 +. TI 2009-10-20 09:22:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0102 C.
0103 +. TI 2009-10-20 09:22:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0106 C.
0107 +. TI 2009-10-20 09:22:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0110 C.
0111 +. TI 2009-10-20 09:26:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.          ÇÇ[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0114 C.
0115 C.  °E²¼0İÄê%îíÑ0İYÁY§YÄY-¹àìÜ
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. TIİî°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×¼ª¹İ»0d³İÇ§
0142 C.          ÇÇ[HK1_DMP_CHK_FLG]         EQ          NON
0143 C.
0144 . C. RAM ID=TI_TBL0İÈ¹Ç•è²İOK0d³İÇ§
0145 C.
0146 . C. DHUYâ;¼YÉ;È¼Y¼, Yî;¼YÈ;È0dİá0¹
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. SOT TI command set
0156 C. *****
0157 C. Execute, after the success of OP upload.
0158 +. TI 2009-10-20 09:26:16.0
0159 DC 07-F0 MDP_SOT_MODE_STBY
0160 BC          (41)
0161 . C. -----
0162 C. HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0163 C. -----
0164 C. ***** SOT END *****
0165 . C. Stop EIS observation and temporarily disable EIS mode changes
0166 C.
0167 C.
0168 C. ***** Start EIS operation (TI set) *****
0169 C. Execute, after the success of OP upload.
0170 C. Set EIS TI-commands
0171 +. TI 2009-10-20 09:26:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC          (21 02)
0174 +. TI 2009-10-20 09:26:40.0
0175 DC 07-FC EIS_MODE_CHG_DIS
0176 BC          (22)
0177 . C.          [ ] [HK1_TI_CMD_NUM]        EQ          2 COUNTUP
0178 C. ***** End EIS operation (TI set) *****
0179 C.
0180 C.
0181 C.
0182 C. ***** XRT START *****
0183 C. Execute, after the success of OP upload.
0184 +. TI 2009-10-20 09:26:00.0
0185 DC 07-F0 MDP_XRT_MODE_STBY
0186 BC          (c3)
0187 . C.          [ ] [HK1_TI_CMD_NUM]        EQ          1COUNTUP
0188 C.
0189 C. ***** XRT END *****
0190 C.
0191 . C. ***** MDP ´üÄî0İ»ö¼Y0ÈÄ0¹0èDCBC•×²è *****
0192 C. (¼â0İYÖYÄYÈYBÿEYáYÇYè0È¼0¼Ä»Ü0¹0é)
0193 . S. DC-BC dcbc-402:DCBC

```



```
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.
```



```

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 SATUS] 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. ***** AOCs Commands (Orbital Element Update) *****
0130 C. Update the orbital element
0131 +. DC 02-50 AOCU_ORB_PRPGT_START
0132 BC (16)
0133 +. DC 02-8E AOCU_ORB_UPD
0134 C.
0135 C. <A_ORB>[ORBIT] EPC = 4426256.8 +- 1.0 (s) [ ]
0136 C.
0137 . C.
0138 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0139 +. DC 07-FC EIS_MODE_MANU
0140 BC (21 02)
0141 . C. Verify EIS in MANUAL mode
0142 . C. Estimated OBSTBL upload time is 37s
0143 C. *****
0144 C. EIS START OBSTBL LOAD
0145 C. *****
0146 . S. RAM ram-820:EIS_OBSTBL
0147 ( )
0148 +. DC 07-FC EIS_DUMP_OBSTBL
0149 BC (07 07 07 00 00 70 00)
0150 C.
0151 C. Execute, after the success of OBSTBL upload.
0152 C. Set EIS TI-commands
0153 +. TI 2009-10-20 09:26:50.0
0154 DC 07-FC EIS_MODE_CHG_ENA
0155 BC (20)
0156 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0157 C. *****
0158 C. EIS END OBSTBL LOAD
0159 C. *****
0160 C.
0161 . C. ***** MDP 'úÃîî»ö¼ÿðËÄð¹ñèDCBC•x²è *****
0162 C. (¼á°îÿÓÿÄÿËÿÏÿÛÿàÿçÿèðË¼¼¼¼¼»Û¹ñè)
0163 . S. DC-BC dcbc-402:DCBC
0164 (MDP_known_event)
0165 C.
0166 C.
0167 . C. ***** ÿÐÿ¹•ï Daily±¿îÑðË'Ø¹ñèDCBC•x²è *****
0168 . S. DC-BC dcbc-153:DCBC
0169 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0170 C.
0171 C.
0172 . C. ;ãLOSÿÁÿSÿÄÿÿ-¼Á»Û;ã
0173 C.
0174 . C. ***** LOS *****
0175 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-922 2009-10-20 12:46:58 146 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YFYÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿¿ãÁã•µ°Æ»Í×ÁÇãíYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈãÈ¼°ÇÔã•ã¿¼í¹çãí;çÁ®, ùã¹ãèãããÇÁ+¿®ã•ãÈããã³ãÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop FG table >
0018 +. DC 07-F0 MDP_FG_CTRL_MANU
0019 BC (51)
0020 . C. -----
0021 C. MDP_FG_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload FG Observation Table>
0025 . S. RAM ram-269:MDP_OBS_F
0026 ( )
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_F >
0029 +. DC 07-F0 MDP_DUMP_FGTBL
0030 BC (82 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_F verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 . C. < Upload DPL table >
0036 C.
0037 C. YçYÁY×Yí;¼YÉãíÁ°ãÈSTS_CHKãðOFFãÈã¹ãè
0038 C.
0039 . S. RAM ram-271:MDP_DPL
0040 ( )
0041 C.
0042 . C. < Dump RAMID=MDP_DPL >
0043 +. DC 07-F0 MDP_DUMP_FGTBL
0044 BC (82 07 00 38 b8 00 40)
0045 C. -----
0046 C. MDP_DPL verify = OK [ ]
0047 C. -----
0048 C.
0049 C. STS_CHKãðONãÈã¹ãè
0050 C.
0051 . C. < Update MDP DSC PAR1 >
0052 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0053 BC (4c)
0054 C. MDP_CMD_CODE = F04C0700[ ]
0055 C. MDP_CMD_CNT (count-up 1) [ ]
0056 C. -----
0057 C.
0058 C.
0059 C. *****
0060 C. SOT TI command set
0061 C. *****
0062 C. Execute, after the success of TBL upload.
0063 +. TI 2009-10-20 09:26:18.0
0064 DC 07-F0 MDP_SOT_MODE_OBSV
0065 BC (40)
0066 . C. -----
0067 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0068 C. -----
0069 C.
0070 C.
0071 C. ***** XRT START *****
0072 C.
0073 +. DC 07-F0 MDP_XRT_CTRL_MANU
0074 BC (c1)
0075 +. DC 07-F0 MDP_XRT_MODE_STBY
0076 BC (c3)
0077 . C. ----- Success Verify ? OK / NG____
0078 C.
0079 C. XRT Obs. Table Upload
0080 . S. RAM ram-291:MDP_OBS_X
0081 ( )
0082 C.
0083 +. DC 07-F0 MDP_DUMP_XRTTBL
0084 BC (84 07 00 00 00 3a d4)
0085 . C. ----- Comparison Check ? OK / ERR ____
0086 C.
0087 C.
0088 +. DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 01 b1 b1 04 04)
0090 +. DC 07-F0 MDP_XRT_ROI_SET
0091 BC (cd 02 b1 b1 08 08)
0092 +. DC 07-F0 MDP_XRT_ROI_SET
0093 BC (cd 03 b1 b1 08 08)
0094 +. DC 07-F0 MDP_XRT_ROI_SET
0095 BC (cd 04 b1 b1 06 06)
```

```
0096 + DC 07-F0 MDP_XRT_ROI_SET
0097 BC (cd 06 85 83 06 06)
0098 + DC 07-F0 MDP_XRT_ROI_SET
0099 BC (cd 07 85 83 0c 0c)
0100 + DC 07-F0 MDP_XRT_ROI_SET
0101 BC (cd 08 85 83 10 10)
0102 + DC 07-F0 MDP_XRT_ROI_SET
0103 BC (cd 09 80 80 20 20)
0104 + DC 07-F0 MDP_XRT_ROI_SET
0105 BC (cd 0a 80 60 20 18)
0106 + DC 07-F0 MDP_XRT_ROI_SET
0107 BC (cd 0b a0 80 18 20)
0108 + DC 07-F0 MDP_XRT_ROI_SET
0109 BC (cd 0c 60 80 18 20)
0110 + DC 07-F0 MDP_XRT_ROI_SET
0111 BC (cd 0d 80 a0 20 18)
0112 + DC 07-F0 MDP_XRT_ROI_SET
0113 BC (cd 0f 80 80 04 04)
0114 + DC 07-F0 MDP_XRT_ROI_SET
0115 BC (cd 10 80 80 10 10)
0116 + DC 07-F0 MDP_XRT_AEC_RESET
0117 BC (d0)
0118 . C. ----- Success Verify ? OK / NG ____
0119 C.
0120 C.
0121 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0122 C.
0123 +. DC 07-F0 MDP_XRT_MODE_OBSV
0124 BC (c2)
0125 +. TI 2009-10-20 09:26:02.0
0126 DC 07-F0 MDP_XRT_MODE_OBSV
0127 BC (c2)
0128 . C. ----- Success Verify ? OK / NG ____
0129 C.
0130 C. ***** XRT END *****
0131 C.
0132 . C. ***** MDP `uãîï»ö%ýðÊâð¹ðêDCBC•x²è *****
0133 C. (%á°îÿÓÿÃÿÈÿPÿËÿáÿçÿèðÊ%¼ð¼Ã»Û¹ðè)
0134 . S. DC-BC dcbc-402:DCBC
0135 (MDP_known_event)
0136 C.
0137 C.
0138 . C. ***** ÿDÿ¹•Ï Daily±¿ÎñðÊ´Ø¹ðêDCBC•x²è *****
0139 . S. DC-BC dcbc-153:DCBC
0140 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0141 C.
0142 C.
0143 . C. ;ãLOSÿÁÿ§ÿÃÿ~¼Ã»Û;ä
0144 C.
0145 . C. ***** LOS *****
0146 C.
```

Oct 20, 09 12:47

## XRT\_OGLIST\_0862.chk

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\*\*\* OP Sequence for XRT \*\*\*

```

2009/10/20 09:36:54.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/10/20 09:36:56.0 XRT_FOCUS_RECALIBRATE_424_OG [0x1a8]
                        XRT_FOCUS_RECAL 2 07-F8 78 00
2009/10/20 09:37:00.0 AOCS_Ore-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 00 d1 cb 44 72
2009/10/20 09:40:56.0 XRT_FOCUS_POSITION_401_OG [0x191]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2009/10/20 09:41:16.0 XRT_QT_PROG_SET_418_OG [0x1a2]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 02
2009/10/20 09:41:18.0 XRT_AEC_RESET_403_OG [0x193]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2009/10/20 09:41:20.0 XRT_ARS_DIS_404_OG [0x194]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2009/10/20 09:41:22.0 XRT_FLD_DIS_405_OG [0x195]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2009/10/20 09:41:24.0 XRT_FLRCTRL_DIS_445_OG [0x1bd]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2009/10/20 09:52:30.0 XRT_CTRL_AUTO_407_OG [0x197]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/10/20 09:59:54.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/10/20 09:59:56.0 XRT_FOCUS_POSITION_401_OG [0x191]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2009/10/20 10:00:00.0 AOCS_Ore-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 db 8e 4a a7
2009/10/20 10:00:16.0 XRT_QT_PROG_SET_418_OG [0x1a2]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 02
2009/10/20 10:00:18.0 XRT_AEC_RESET_403_OG [0x193]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2009/10/20 10:00:20.0 XRT_ARS_DIS_404_OG [0x194]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2009/10/20 10:00:22.0 XRT_FLD_DIS_405_OG [0x195]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2009/10/20 10:00:24.0 XRT_FLRCTRL_DIS_406_OG [0x196]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2009/10/20 10:03:00.0 XRT_CTRL_AUTO_407_OG [0x197]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/10/20 10:59:54.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/10/20 10:59:56.0 XRT_FOCUS_POSITION_401_OG [0x191]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2009/10/20 11:00:00.0 AOCS_Ore-point_Start_3_OG [0x099]
                        AOCU_NM 5 02-76 02 00 00 00 00
2009/10/20 11:00:16.0 XRT_QT_PROG_SET_440_OG [0x1b8]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 0c
2009/10/20 11:00:18.0 XRT_AEC_RESET_403_OG [0x193]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2009/10/20 11:00:20.0 XRT_ARS_DIS_404_OG [0x194]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2009/10/20 11:00:22.0 XRT_FLD_DIS_405_OG [0x195]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2009/10/20 11:00:24.0 XRT_FLRCTRL_DIS_406_OG [0x196]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2009/10/20 11:03:00.0 XRT_CTRL_AUTO_407_OG [0x197]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/10/20 11:43:54.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/10/20 11:43:56.0 XRT_FOCUS_POSITION_401_OG [0x191]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2009/10/20 11:44:16.0 XRT_QT_PROG_SET_426_OG [0x1aa]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 09
2009/10/20 11:44:18.0 XRT_AEC_RESET_403_OG [0x193]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2009/10/20 11:44:20.0 XRT_ARS_DIS_404_OG [0x194]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2009/10/20 11:44:22.0 XRT_FLD_DIS_405_OG [0x195]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2009/10/20 11:44:24.0 XRT_FLRCTRL_DIS_406_OG [0x196]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2009/10/20 11:47:00.0 XRT_CTRL_AUTO_407_OG [0x197]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/10/20 13:43:54.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/10/20 13:43:56.0 XRT_FOCUS_POSITION_401_OG [0x191]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2009/10/20 13:44:16.0 XRT_QT_PROG_SET_440_OG [0x1b8]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 0c
2009/10/20 13:44:18.0 XRT_ARS_DIS_404_OG [0x194]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2009/10/20 13:44:20.0 XRT_FLD_DIS_405_OG [0x195]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2009/10/20 13:44:22.0 XRT_FLRCTRL_DIS_406_OG [0x196]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2009/10/20 13:46:58.0 XRT_CTRL_AUTO_407_OG [0x197]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2009/10/20 13:59:54.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2009/10/20 13:59:56.0 XRT_FOCUS_POSITION_401_OG [0x191]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2009/10/20 14:00:00.0 AOCS_Ore-point_Start_3_OG [0x099]

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2009/10/20	14:00:16.0	XRT_QT_PROG_SET_439_OG [0x1b7]	AOCU_NM	5	02-76	02	00	00	00	00
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	0f			
2009/10/20	14:00:18.0	XRT_AEC_RESET_403_OG [0x193]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2009/10/20	14:00:20.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/10/20	14:00:22.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/10/20	14:00:24.0	XRT_FLRCTRL_DIS_406_OG [0x196]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/10/20	14:03:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/10/20	17:49:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/10/20	17:49:56.0	XRT_FOCUS_POSITION_408_OG [0x198]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2009/10/20	17:50:00.0	AOCS_ORe-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00	00	00	00	00
2009/10/20	17:50:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/10/20	17:50:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/10/20	17:50:20.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/10/20	17:52:58.0	XRT_QT_PROG_SET_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06			
2009/10/20	17:53:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/10/20	18:09:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/10/20	18:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/10/20	18:10:00.0	AOCS_ORe-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	00	ac	00	00	00
2009/10/20	18:10:16.0	XRT_QT_PROG_SET_428_OG [0x1ac]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	08			
2009/10/20	18:10:18.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/10/20	18:10:20.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/10/20	18:10:22.0	XRT_FLRCTRL_DIS_443_OG [0x1bb]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/10/20	18:25:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/10/20	20:09:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/10/20	20:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/10/20	20:10:00.0	AOCS_ORe-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00	00	00	54	00
2009/10/20	20:10:16.0	XRT_QT_PROG_SET_414_OG [0x19e]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2009/10/20	20:10:18.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/10/20	20:10:20.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/10/20	20:10:22.0	XRT_FLRCTRL_DIS_443_OG [0x1bb]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/10/20	20:25:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/10/20	22:09:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/10/20	22:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/10/20	22:10:00.0	AOCS_ORe-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00	00	00	ac	00
2009/10/20	22:10:16.0	XRT_QT_PROG_SET_430_OG [0x1ae]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2009/10/20	22:10:18.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/10/20	22:10:20.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/10/20	22:10:22.0	XRT_FLRCTRL_DIS_444_OG [0x1bc]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/10/20	22:13:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/10/20	22:39:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/10/20	22:39:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2009/10/20	22:40:00.0	AOCS_ORe-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	00	54	00	00	00
2009/10/20	22:40:16.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	07			
2009/10/20	22:40:18.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/10/20	22:40:20.0	XRT_FLD_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/10/20	22:40:22.0	XRT_FLRCTRL_DIS_444_OG [0x1bc]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/10/20	22:43:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				

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2009/10/20	23:09:54.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/10/20	23:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/10/20	23:10:00.0	AOCS_ORe-point_Start_3_OG [0x099] AOCU_NM	5	02-76	02 00 00 00 00	
2009/10/20	23:10:16.0	XRT_QT_PROG_SET_439_OG [0x1b7] MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f	
2009/10/20	23:10:18.0	XRT_AEC_RESET_403_OG [0x193] MDP_XRT_AEC_RESET	1	07-F0	d0	
2009/10/20	23:10:20.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/10/20	23:10:22.0	XRT_FLD_DIS_405_OG [0x195] MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/10/20	23:10:24.0	XRT_FLRCTRL_DIS_442_OG [0x1ba] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/10/20	23:25:30.0	XRT_CTRL_AUTO_407_OG [0x197] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/10/21	05:59:54.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/10/21	05:59:56.0	XRT_FOCUS_POSITION_408_OG [0x198] XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2009/10/21	06:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a] AOCU_NM	5	02-76	00 00 00 00 00	
2009/10/21	06:00:16.0	XRT_FLD_DIS_409_OG [0x199] MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/10/21	06:00:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/10/21	06:00:20.0	XRT_ARS_DIS_411_OG [0x19b] MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/10/21	06:02:58.0	XRT_QT_PROG_SET_412_OG [0x19c] MDP_XRT_QT_PROG_SET	2	07-F0	c4 01	
2009/10/21	06:03:00.0	XRT_CTRL_AUTO_407_OG [0x197] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/10/21	06:09:54.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/10/21	06:09:56.0	XRT_FOCUS_POSITION_401_OG [0x191] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/10/21	06:10:00.0	AOCS_ORe-point_Start_3_OG [0x099] AOCU_NM	5	02-76	02 00 00 00 00	
2009/10/21	06:10:16.0	XRT_QT_PROG_SET_439_OG [0x1b7] MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f	
2009/10/21	06:10:18.0	XRT_AEC_RESET_403_OG [0x193] MDP_XRT_AEC_RESET	1	07-F0	d0	
2009/10/21	06:10:20.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/10/21	06:10:22.0	XRT_FLD_DIS_405_OG [0x195] MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/10/21	06:10:24.0	XRT_FLRCTRL_DIS_406_OG [0x196] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/10/21	06:13:00.0	XRT_CTRL_AUTO_407_OG [0x197] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/10/21	08:59:54.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/10/21	08:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/10/21	09:00:00.0	AOCS_ORe-point_Start_1_OG [0x097] AOCU_NM	5	02-76	00 d1 cb 44 72	
2009/10/21	09:00:16.0	XRT_QT_PROG_SET_418_OG [0x1a2] MDP_XRT_QT_PROG_SET	2	07-F0	c4 02	
2009/10/21	09:00:18.0	XRT_AEC_RESET_403_OG [0x193] MDP_XRT_AEC_RESET	1	07-F0	d0	
2009/10/21	09:00:20.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/10/21	09:00:22.0	XRT_FLD_DIS_405_OG [0x195] MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/10/21	09:00:24.0	XRT_FLRCTRL_DIS_406_OG [0x196] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/10/21	09:03:00.0	XRT_CTRL_AUTO_407_OG [0x197] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/10/21	09:59:54.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/10/21	09:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/10/21	10:00:00.0	AOCS_ORe-point_Start_2_OG [0x098] AOCU_NM	5	02-76	00 db 8e 4a a7	
2009/10/21	10:00:16.0	XRT_QT_PROG_SET_418_OG [0x1a2] MDP_XRT_QT_PROG_SET	2	07-F0	c4 02	
2009/10/21	10:00:18.0	XRT_AEC_RESET_403_OG [0x193] MDP_XRT_AEC_RESET	1	07-F0	d0	
2009/10/21	10:00:20.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/10/21	10:00:22.0	XRT_FLD_DIS_405_OG [0x195] MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/10/21	10:00:24.0	XRT_FLRCTRL_DIS_406_OG [0x196] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/10/21	10:03:00.0	XRT_CTRL_AUTO_407_OG [0x197] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/10/21	10:59:54.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/10/21	10:59:56.0	XRT_FOCUS_POSITION_401_OG [0x191] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2009/10/21	11:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]				



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2009/10/21	11:00:16.0	XRT_QT_PROG_SET_440_OG [0x1b8]	AOCU_NM	5	02-76	02	00	00	00	00
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	0c			
2009/10/21	11:00:18.0	XRT_AEC_RESET_403_OG [0x193]								
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2009/10/21	11:00:20.0	XRT_ARS_DIS_404_OG [0x194]								
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/10/21	11:00:22.0	XRT_FLD_DIS_405_OG [0x195]								
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/10/21	11:00:24.0	XRT_FLRCTRL_DIS_406_OG [0x196]								
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/10/21	11:03:00.0	XRT_CTRL_AUTO_407_OG [0x197]								
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/10/21	11:43:54.0	XRT_CTRL_MANU_400_OG [0x190]								
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/10/21	11:43:56.0	XRT_FOCUS_POSITION_401_OG [0x191]								
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2009/10/21	11:44:16.0	XRT_QT_PROG_SET_426_OG [0x1aa]								
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	09			
2009/10/21	11:44:18.0	XRT_AEC_RESET_403_OG [0x193]								
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2009/10/21	11:44:20.0	XRT_ARS_DIS_404_OG [0x194]								
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/10/21	11:44:22.0	XRT_FLD_DIS_405_OG [0x195]								
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/10/21	11:44:24.0	XRT_FLRCTRL_DIS_406_OG [0x196]								
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/10/21	11:47:00.0	XRT_CTRL_AUTO_407_OG [0x197]								
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/10/21	13:43:54.0	XRT_CTRL_MANU_400_OG [0x190]								
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/10/21	13:43:56.0	XRT_FOCUS_POSITION_401_OG [0x191]								
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2009/10/21	13:44:16.0	XRT_QT_PROG_SET_440_OG [0x1b8]								
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	0c			
2009/10/21	13:44:18.0	XRT_ARS_DIS_404_OG [0x194]								
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/10/21	13:44:20.0	XRT_FLD_DIS_405_OG [0x195]								
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/10/21	13:44:22.0	XRT_FLRCTRL_DIS_406_OG [0x196]								
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/10/21	13:46:58.0	XRT_CTRL_AUTO_407_OG [0x197]								
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/10/21	14:00:00.5	XRT_CTRL_MANU_400_OG [0x190]								
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/10/21	14:00:02.5	XRT_FOCUS_POSITION_401_OG [0x191]								
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2009/10/21	14:00:22.5	XRT_QT_PROG_SET_439_OG [0x1b7]								
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	0f			
2009/10/21	14:00:24.5	XRT_AEC_RESET_403_OG [0x193]								
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2009/10/21	14:00:26.5	XRT_ARS_DIS_404_OG [0x194]								
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/10/21	14:00:28.5	XRT_FLD_DIS_405_OG [0x195]								
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/10/21	14:00:30.5	XRT_FLRCTRL_DIS_406_OG [0x196]								
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/10/21	14:03:06.5	XRT_CTRL_AUTO_407_OG [0x197]								
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/10/21	17:53:24.0	XRT_CTRL_MANU_400_OG [0x190]								
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/10/21	17:53:26.0	XRT_FOCUS_POSITION_408_OG [0x198]								
		XRT_FOCUS_POSITION		4	07-F8	22	ff	aa	00	
2009/10/21	17:53:30.0	AOCS_Ore-point_Start_4_OG [0x09a]								
		AOCU_NM		5	02-76	00	00	00	00	00
2009/10/21	17:53:46.0	XRT_FLD_DIS_409_OG [0x199]								
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/10/21	17:53:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]								
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/10/21	17:53:50.0	XRT_ARS_DIS_411_OG [0x19b]								
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/10/21	17:56:28.0	XRT_QT_PROG_SET_422_OG [0x1a6]								
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	06			
2009/10/21	17:56:30.0	XRT_CTRL_AUTO_407_OG [0x197]								
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2009/10/21	18:03:30.0	AOCS_Ore-point_Start_3_OG [0x099]								
		AOCU_NM		5	02-76	02	00	00	00	00
2009/10/22	06:25:24.0	XRT_CTRL_MANU_400_OG [0x190]								
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2009/10/22	06:25:26.0	XRT_FOCUS_POSITION_408_OG [0x198]								
		XRT_FOCUS_POSITION		4	07-F8	22	ff	aa	00	
2009/10/22	06:25:46.0	XRT_FLD_DIS_409_OG [0x199]								
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2009/10/22	06:25:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]								
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2009/10/22	06:25:50.0	XRT_ARS_DIS_411_OG [0x19b]								
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2009/10/22	06:26:30.0	AOCS_Ore-point_Start_4_OG [0x09a]								
		AOCU_NM		5	02-76	00	00	00	00	00
2009/10/22	06:28:28.0	XRT_QT_PROG_SET_412_OG [0x19c]								
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	01			
2009/10/22	06:28:30.0	XRT_CTRL_AUTO_407_OG [0x197]								
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				

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2009/10/22	06:36:24.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/10/22	06:36:26.0	XRT_FOCUS_POSITION_401_OG [0x191] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/10/22	06:36:30.0	AOCS_ORe-point_Start_9_OG [0x09f] AOCU_NM	5	02-76	00 42 a7 33 1a
2009/10/22	06:36:46.0	XRT_QT_PROG_SET_435_OG [0x1b3] MDP_XRT_QT_PROG_SET	2	07-F0	c4 14
2009/10/22	06:36:48.0	XRT_AEC_RESET_403_OG [0x193] MDP_XRT_AEC_RESET	1	07-F0	d0
2009/10/22	06:36:50.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5
2009/10/22	06:36:52.0	XRT_FLD_DIS_405_OG [0x195] MDP_XRT_FLD_DIS	1	07-F0	d9
2009/10/22	06:36:54.0	XRT_FLRCTRL_DIS_406_OG [0x196] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/10/22	06:39:30.0	XRT_CTRL_AUTO_407_OG [0x197] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/10/22	11:23:54.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/10/22	11:24:00.5	AOCS_ORe-point_Start_4_OG [0x09a] AOCU_NM	5	02-76	00 00 00 00 00