

# XRT Timeline to be uploaded on 2012/04/03

Period: 2012/04/03 10:54:00 - 2012/04/07 09:34:00

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Normal mode

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XOB #174E: HOP81 2-filter - Ti/poly 8s, Al/mesh 4s, G-band - 384x384													
Term	Pointing (x, y)							Comment					
04/03 11:07:00 - 04/03 17:55:24	Fixed ( -13.0, -938.0)	# OP start + 10min: HOP 206 Polar Panorama at South Pole											
<b>PROG= 20 Inf.-time(s)</b>													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 51 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
└─ Subr= 2 30-time(s) 2.0sec													
└─ Seqn= 58 2-time(s) 30.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #187C: Synoptic Q95 2x2 - Al/mesh(45/2048) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(88/2897) + Thin-Be(36)													
Term	Pointing (x, y)							Comment					
04/03 17:58:30 - 04/03 18:05:24	Fixed ( 0.0, 0.0)	synoptic, shifted -4.5 min											
04/05 06:38:00 - 04/05 06:46:30	Fixed ( 0.0, 0.0)	synoptic											
<b>PROG= 01 1-time(s)</b>													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 44 1-time(s) 4.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	44ms	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=95	0	0	2.0sec
└─ Seqn= 5 1-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x512 (1024, 1024)	DPCM	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	512x2048 (1024, 1024)	DPCM	0	0	2.0sec
└─ Seqn= 26 1-time(s) 4.0sec													
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	86ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 35 1-time(s) 2.0sec													
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	354ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 4 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #18E4: AR Standard-B(Morphology) with PFB, thin-Be + multifilter context, 512x512 at 1064 1048, 24s-cad													
Term	Pointing (x, y)							Comment					
04/03 18:08:30 - 04/04 00:00:00	Track ( -333.7, 373.7) <sup>@ 04/03 18:05:30</sup>	# AR 11451: HOP 208											
04/05 07:12:06 - 04/05 10:07:30	Track ( -18.6, 379.2) <sup>@ 04/05 06:45:00</sup>	# AR 11451: HOP 208											
<b>PROG= 07 Inf.-time(s)</b>													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 19 1-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└─ Seqn= 29 2-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Open/thick-Al	Open/thick-Al	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Al-poly/Open	Al-poly/thick-Be	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	C-poly/Open	C-poly/thick-Al	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	med-Be/Open	med-Be/Open	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	med-Al/Open	med-Al/thick-Al	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 28 150-time(s) 2.0sec													
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	1x1	512x512 (1064, 1048)	Q=95	3	0	6.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	6.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	6.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	3	6.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1778: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 1st Quadrant - Al/mesh, Ti/Poly-long													
Term	Pointing (x, y)							Comment					
04/05 05:58:00 - 04/05 06:04:54	Fixed ( -528.4, -528.4)	# XRT Quadrant pointing #1											
<b>PROG= 10 1-time(s)</b>													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 38 1-time(s) 12.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (1536, 1536)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (1536, 1536)	Q=90	0	0	2.0sec

	Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (1536, 1536)	Q=98	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (1536, 1536)	Q=98	0	0	2.0sec
<b>Subr= 2</b>	<b>1-time(s)</b>	<b>2.0sec</b>											
<b>Seqn= 93</b>	<b>2-time(s)</b>	<b>2.0sec</b>											
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8.00s	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 #1779: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 2nd Quadrant - Al/mesh,Ti/Poly -long</b>													
Term		Pointing (x, y)				Comment							
04/05 06:08:00 - 04/05 06:14:54		Fixed ( 528.4, -528.4)				# XRT Quadrant pointing #2							
<b>PROG= 12</b>	<b>1-time(s)</b>												
<b>Subr= 1</b>	<b>1-time(s)</b>	<b>12.0sec</b>											
<b>Seqn= 36</b>	<b>1-time(s)</b>	<b>12.0sec</b>											
	Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (512, 1536)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (512, 1536)	Q=90	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (512, 1536)	Q=98	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (512, 1536)	Q=98	0	0	2.0sec
<b>Subr= 2</b>	<b>1-time(s)</b>	<b>2.0sec</b>											
<b>Seqn= 93</b>	<b>2-time(s)</b>	<b>2.0sec</b>											
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8.00s	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 #177A: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 3rd Quadrant- Al/mesh, Ti/Poly-long</b>													
Term		Pointing (x, y)				Comment							
04/05 06:18:00 - 04/05 06:24:54		Fixed ( 528.4, 528.4)				# XRT Quadrant pointing #3							
<b>PROG= 19</b>	<b>1-time(s)</b>												
<b>Subr= 1</b>	<b>1-time(s)</b>	<b>12.0sec</b>											
<b>Seqn= 39</b>	<b>1-time(s)</b>	<b>12.0sec</b>											
	Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (512, 512)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (512, 512)	Q=90	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (512, 512)	Q=98	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (512, 512)	Q=98	0	0	2.0sec
<b>Subr= 2</b>	<b>1-time(s)</b>	<b>2.0sec</b>											
<b>Seqn= 93</b>	<b>2-time(s)</b>	<b>2.0sec</b>											
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8.00s	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 #177B: CCD Monitor During Bakeout - G-Band 45ms - 1kx1k - Q90 - 4th Quadrant - Al/mesh, Ti/Poly-long</b>													
Term		Pointing (x, y)				Comment							
04/05 06:28:00 - 04/05 06:34:54		Fixed ( -528.4, 528.4)				# XRT Quadrant pointing #4							
<b>PROG= 05</b>	<b>1-time(s)</b>												
<b>Subr= 1</b>	<b>1-time(s)</b>	<b>12.0sec</b>											
<b>Seqn= 40</b>	<b>1-time(s)</b>	<b>12.0sec</b>											
	Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (1536, 512)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	1024x1024 (1536, 512)	Q=90	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (1536, 512)	Q=98	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	1024x1024 (1536, 512)	Q=98	0	0	2.0sec
<b>Subr= 2</b>	<b>1-time(s)</b>	<b>2.0sec</b>											
<b>Seqn= 93</b>	<b>2-time(s)</b>	<b>2.0sec</b>											
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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**Flare mode**

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<b>XOB #18C2: Flare standard obs. multifilter - thin-Be + (med-Al,thick-Be) 384x384 + (Al-poly 512x512 2x2)-no interval context-12 loops</b>													
Term		Pointing (x, y)				Comment							
04/03 11:07:00 - 04/03 17:55:24		Fixed ( -13.0, -938.0)				# OP start + 10min: HOP 206 Polar Panorama at South Pole							
04/03 18:08:30 - 04/04 00:00:00		Track ( -333.7, 373.7) @ 04/03 18:05:30				# AR 11451: HOP 208							
04/05 07:12:06 - 04/05 10:07:30		Track ( -18.6, 379.2) @ 04/05 06:45:00				# AR 11451: HOP 208							
<b>PROG= 03</b>	<b>12-time(s)</b>												
<b>Subr= 1</b>	<b>45-time(s)</b>	<b>10.0sec</b>											
<b>Seqn= 20</b>	<b>1-time(s)</b>	<b>2.0sec</b>											
	thin-Be/Open	med-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
<b>Seqn= 63</b>	<b>1-time(s)</b>	<b>2.0sec</b>											
	med-Al/Open	med-Al/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
<b>Seqn= 77</b>	<b>1-time(s)</b>	<b>2.0sec</b>											
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
<b>Subr= 2</b>	<b>1-time(s)</b>	<b>10.0sec</b>											
<b>Seqn= 90</b>	<b>1-time(s)</b>	<b>2.0sec</b>											
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
	Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec

L	Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	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	

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### Active Region Search

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NOT USED

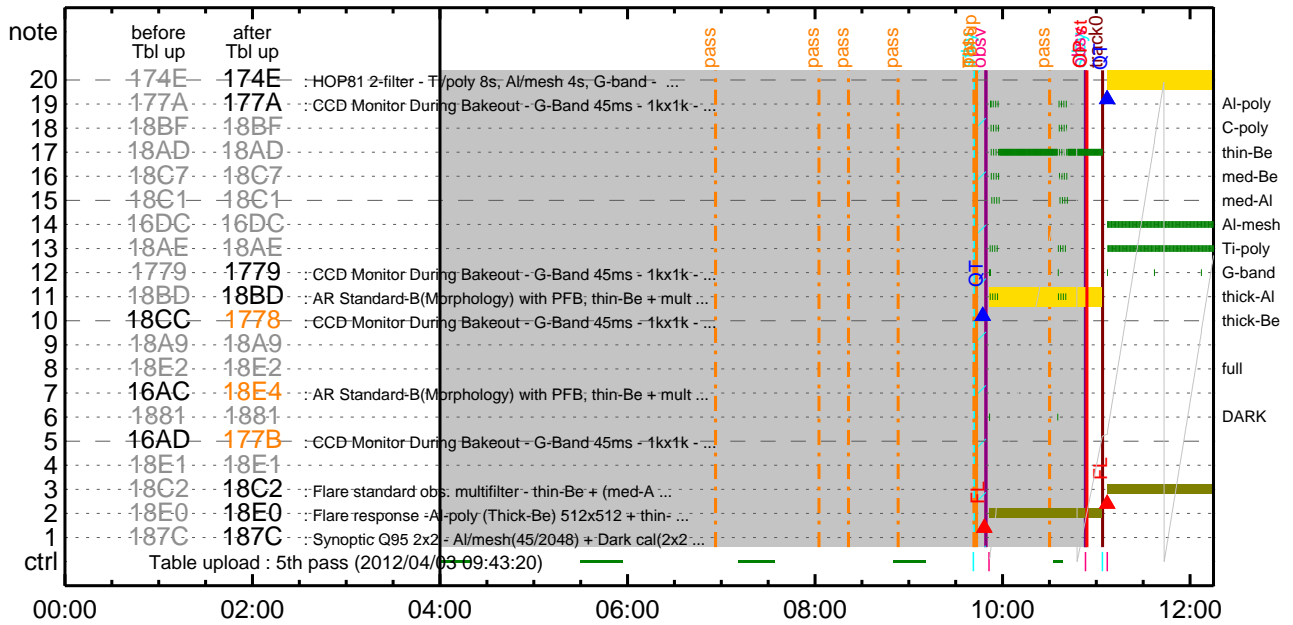
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### Flare Detection

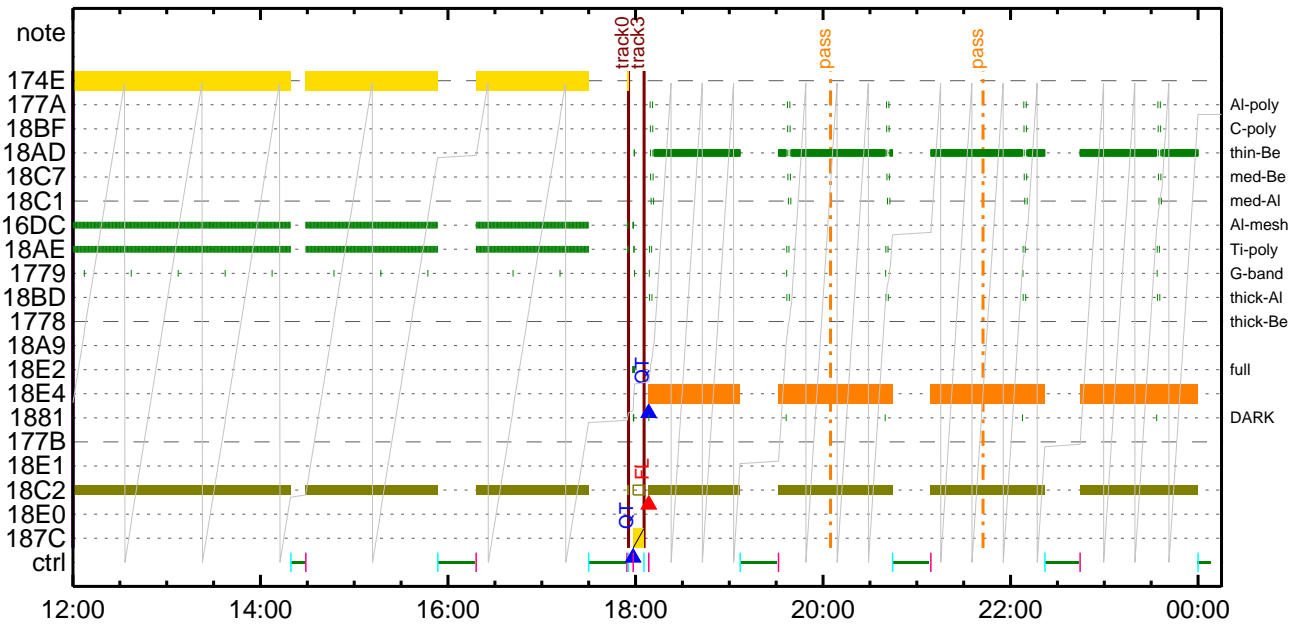
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FLD Patrol												
Term	Pointing (x, y)					Comment						
04/03 18:08:16 - 04/05 05:57:54	Track (-333.7, 373.7)	<sup>04/03 18:05:30</sup>	# AR 11451: HOP 208									
04/05 07:11:52 - 04/07 09:34:00	Track (-18.6, 379.2)	<sup>04/05 06:45:00</sup>	# AR 11451: HOP 208									
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8ms	Obs	8x8			Q=50		30sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

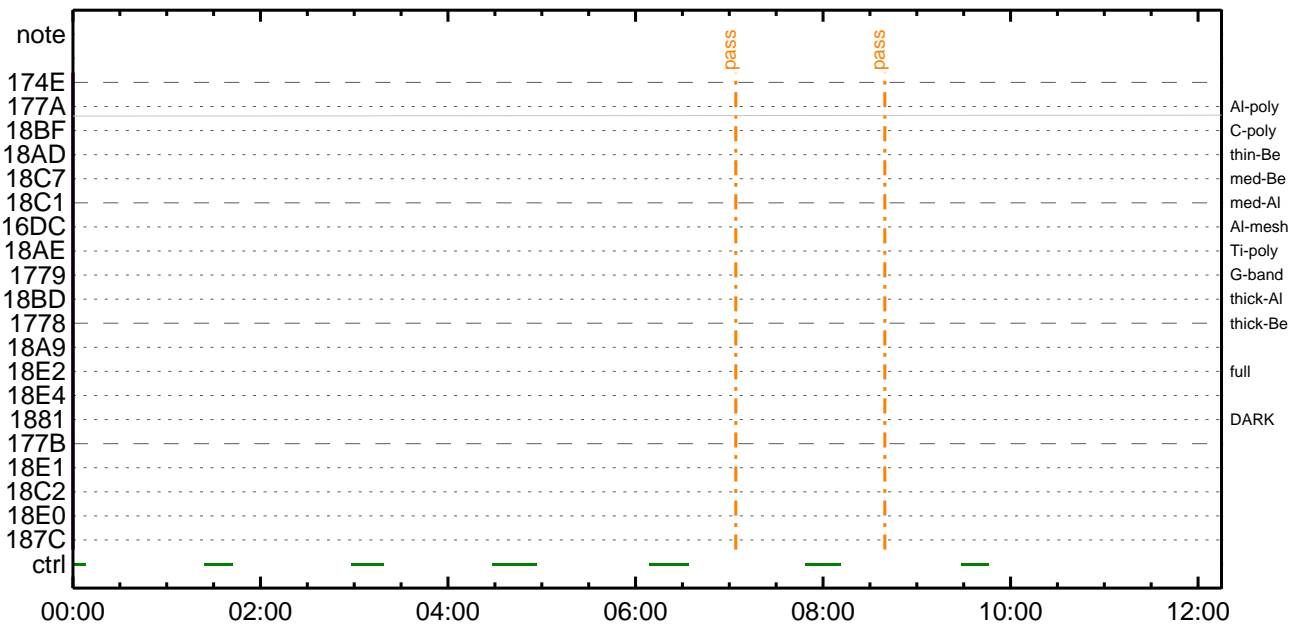
### CMDI #0553 2012/04/03



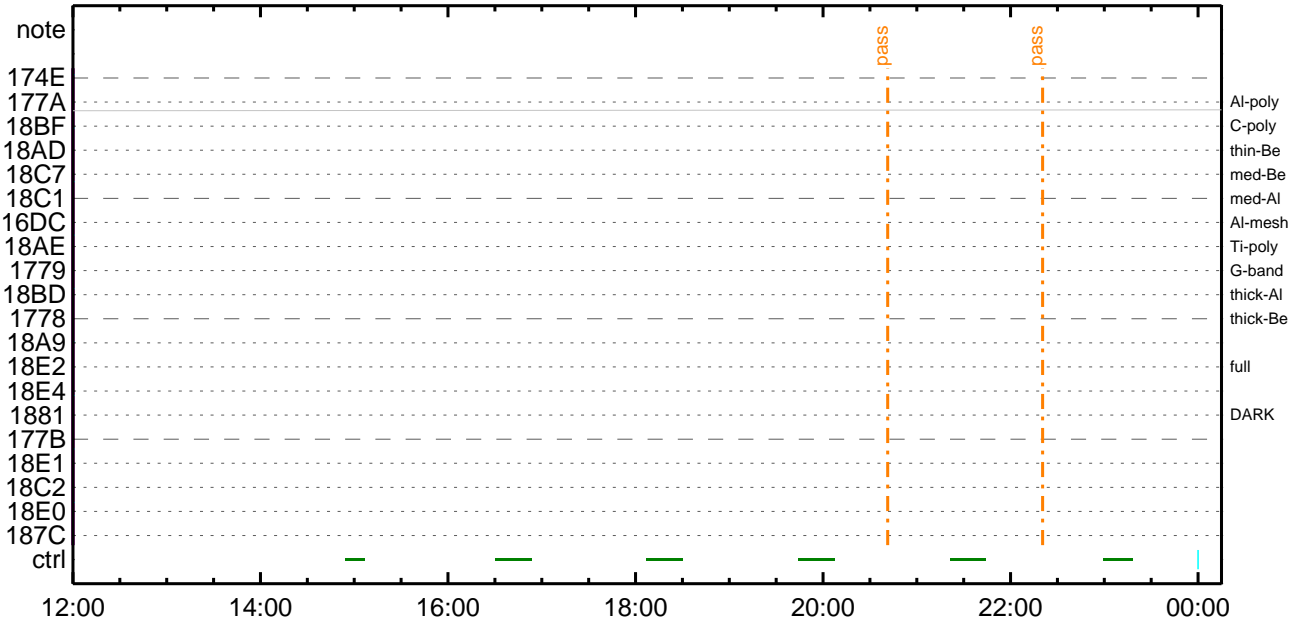
### CMDI #0553 2012/04/03



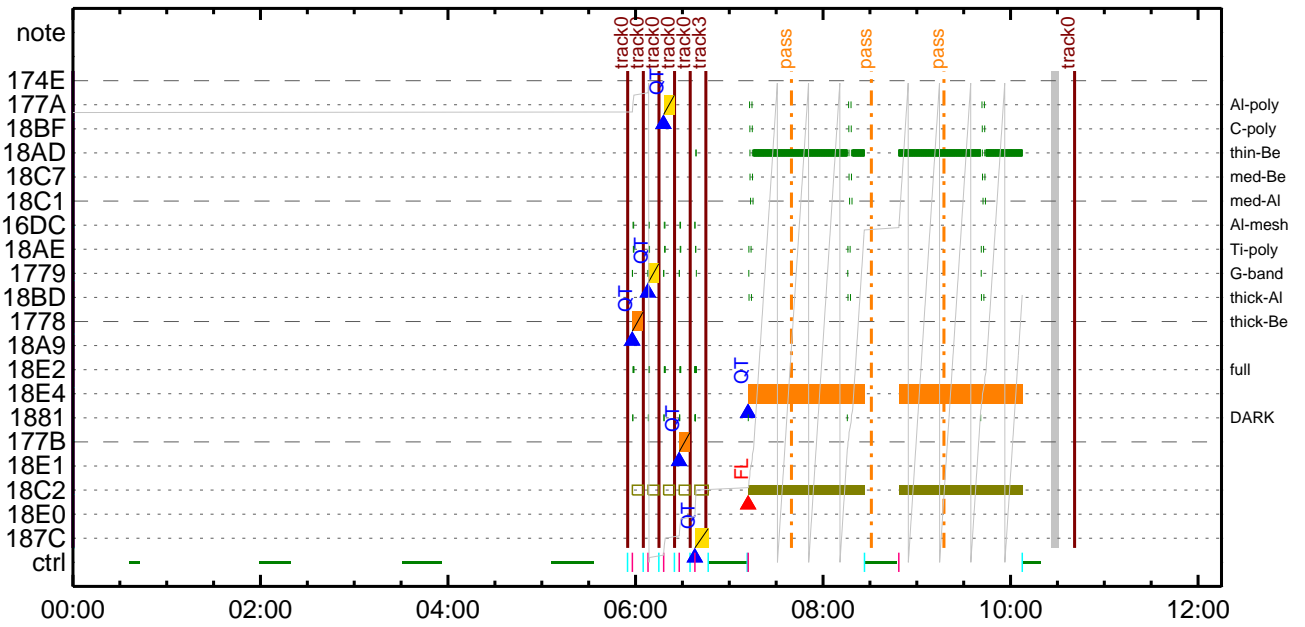
### CMDI #0553 2012/04/04



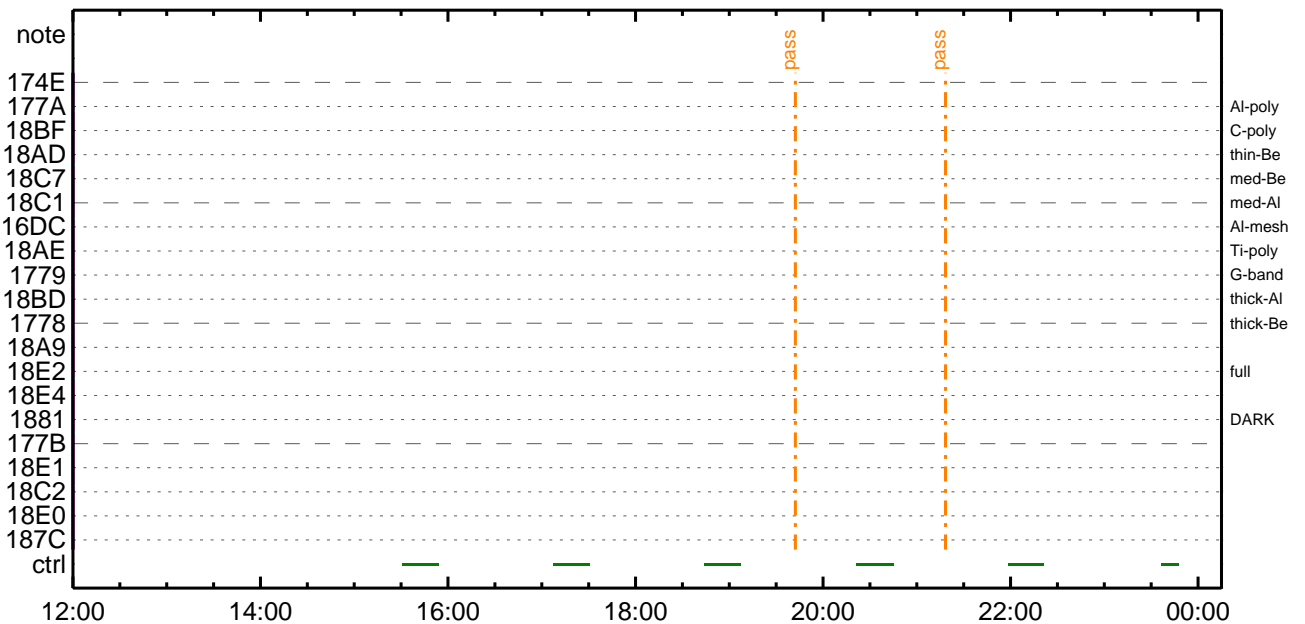
CMDI #0553 2012/04/04



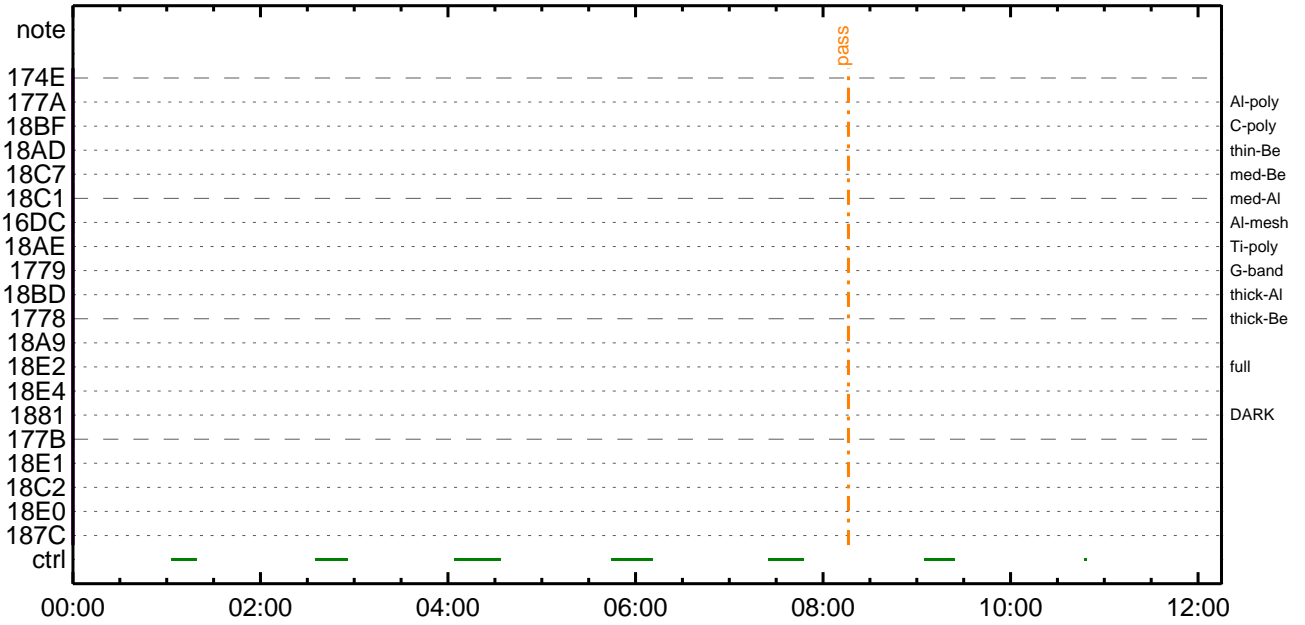
CMDI #0553 2012/04/05



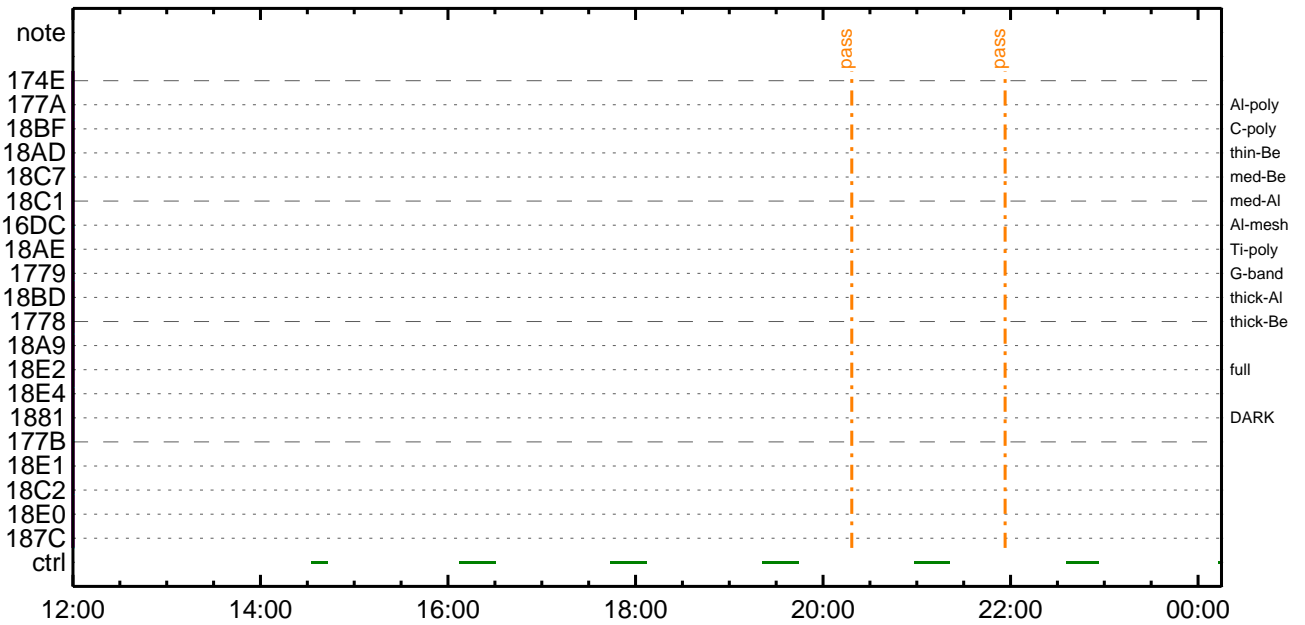
CMDI #0553 2012/04/05



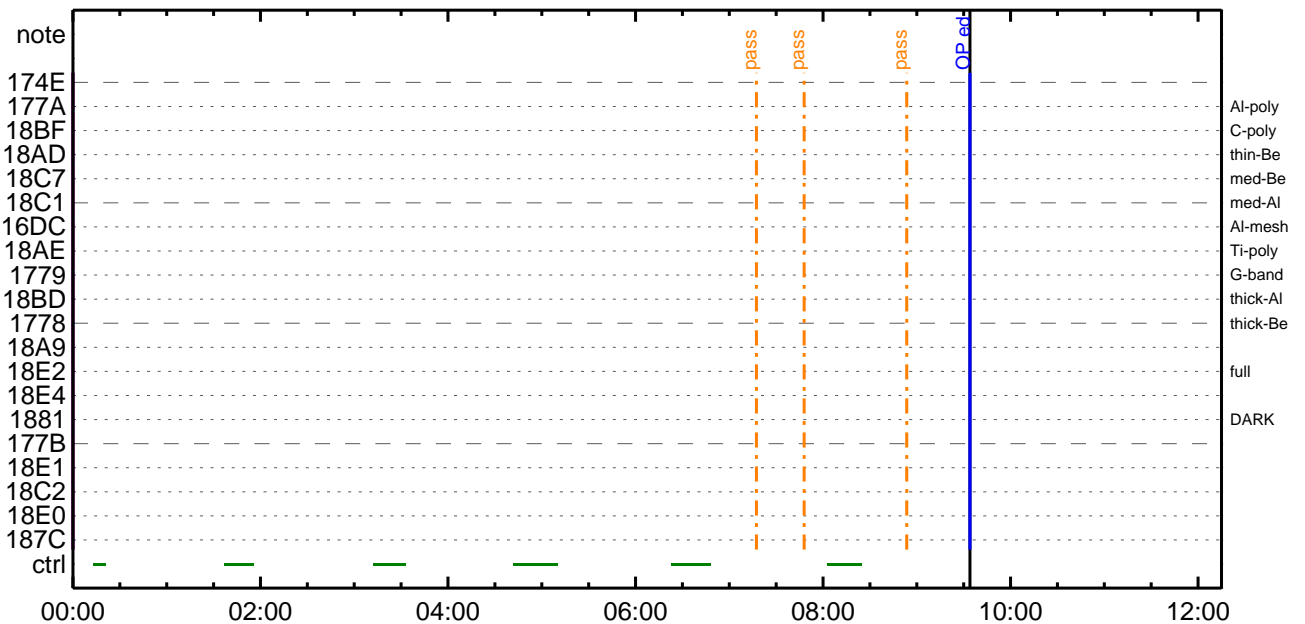
CMDI #0553 2012/04/06



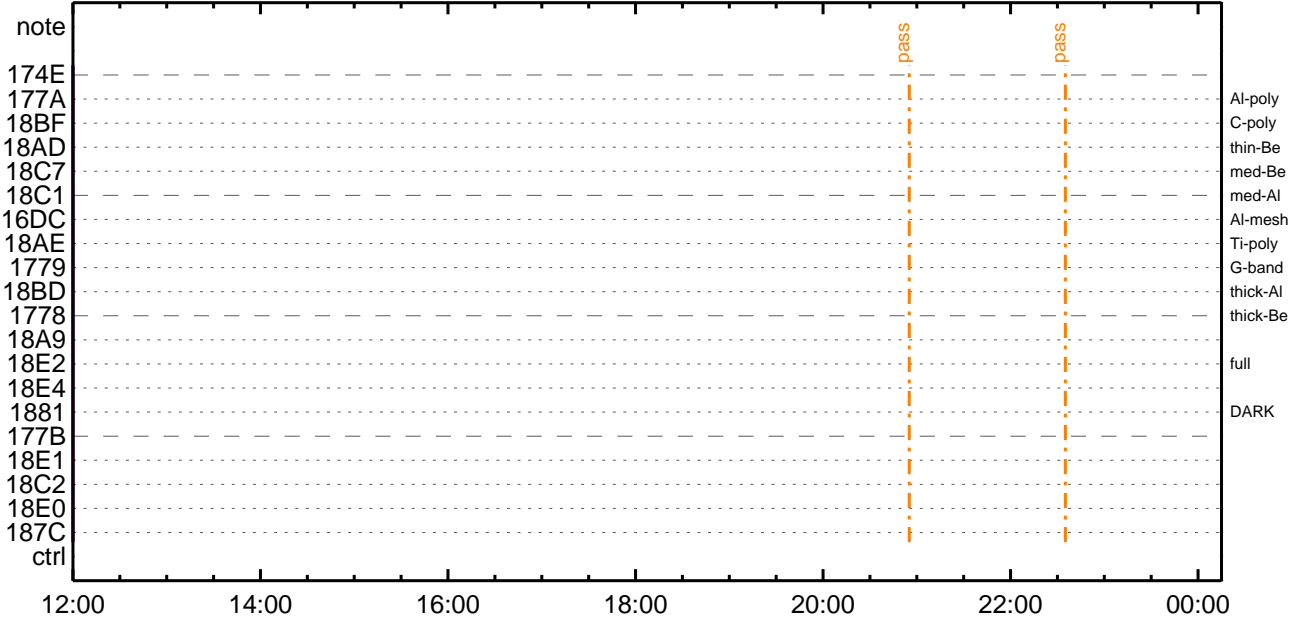
CMDI #0553 2012/04/06



CMDI #0553 2012/04/07



CMDI #0553 2012/04/07



(a) Spacecraft Operation Procedure (real-commands)

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main-786 2012-04-03 14:41:52 185 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÄY$YÄY-¼Ä»Û;ä
0005 C.
0006 C. YÄYB;¼Y³YFÿóYÉÄ+¿©
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Äí;Èó¿òÄó•µ°È»Í×ÁÇóíYçYÄY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈóÈ¼°ÇÓó•ó¿¼í¹çóí;çÄ®, ùó¹óÈóBóçÄ+¿©ó•óÈóóó³óÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OGYí;¼YÉ; | YÄYóY×
0016 C. *****
0017 C.
0018 . C. ;ãOP/OGYí;¼YÉ;ä
0019 . S. OP op-786:OP
0020 ()
0021 . S. OG og-786:OG
0022 ()
0023 C.
0024 . C. ;ãNMOG&OPí°èYÄYóY×;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. YÄYóY×¼³ä î»óó³ îÇ§
0041 C. çç[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOGóí¼È¹ç•è² ÌOKóó³ îÇ§
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. YÄYóY×¼³ä î»óó³ îÇ§
0060 C. çç[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOGóí¼È¹ç•è² ÌOKóó³ îÇ§
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. YÄYóY×¼³ä î»óó³ îÇ§
0079 C. çç[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG, RAM ID=OPóí¼È¹ç•è² ÌOKóó³ îÇ§
0081 C.
0082 . C. ***** óÈ²¼óí¼Ä´ ¶í°óÈÈ-óóÄ+¿© (¼äµ-YÄYóY×¼è¼çóóÄÓÄçç¼³óó¼í¹çóçóä) *****
0083 C. DHUYä;¼YÉ; È¼Y¼, Yí;¼YÉ; Èóóíáó¹
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 UPLOADó-Ä+¿©NGóí¼í¹ç; ç°È²¼óí¼TI-CMDÄ+¿©óí¼Ä¹Óó•óÈóóó³óÈ;f

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0096 C.      0p0z;çSET0EDUMP0İÆ±°iYÑY¹0Ç¹Ô0|0³0E;f
0097 C.
0098 . C.   TIY³YF¥ÖYÉ00ðÄDİç (UT)
0099 +. TI  2012-04-03 10:49:00.0
0100 DC  01-B3 DHU_OP_STOP
0101 C.      çç[HK1_TI_CMD_NUM]           EQ      1COUNTUP
0102 C.
0103 +. TI  2012-04-03 10:49:01.0
0104 DC  01-B4 DHU_OP_COPY
0105 C.      çç[HK1_TI_CMD_NUM]           EQ      1COUNTUP
0106 C.
0107 +. TI  2012-04-03 10:49:01.0
0108 DC  01-B5 DHU_OPOG_COPY
0109 C.      çç[HK1_TI_CMD_NUM]           EQ      1COUNTUP
0110 C.
0111 +. TI  2012-04-03 10:53:59.5
0112 DC  01-B2 DHU_OP_START
0113 C.      çç[HK1_TI_CMD_NUM]           EQ      1COUNTUP
0114 C.
0115 C.   °Ê²¼0İÄê%îİÑ0İYÁY$YÄY-¹àİÜ
0116 C.      çç[HK1_TI_CMD_ENA/DIS]        EQ      ENA
0117 C.      çç[HK1_TI_CMD_NUM]          EQ      4
0118 C.      çç[HK1_NEXT_EXEC_PIM]       EQ      DHU
0119 C.      çç[HK1_NEXT_EXEC_DC]       EQ      0xB3
0120 C.
0121 . C.   *****
0122 C.   TIİî°èYÄYÖYx
0123 C.   *****
0124 C.
0125 C.   TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC  01-23 DHU_DMA_DMP_PRM_SET
0127 BC      (03 ab 03 01 02)
0128 C.      çç[HK1_DMP_TOP_ADRS_1]      EQ      07
0129 C.      çç[HK1_DMP_TOP_ADRS_0]      EQ      2B
0130 C.      çç[HK1_DMP_BLOCK_NUM]      EQ      3
0131 C.      çç[HK1_DMP_REPEAT_NUM]     EQ      0
0132 C.      çç[HK1_DMA_DMP_PIM]       EQ      DHU
0133 +. DC  01-22 DHU_MODE_CHNG
0134 BC      (07 0b f8)
0135 C.      çç[HK1_PKT_FORM_NO]        EQ      7
0136 C.      çç[HK1_PKT_GEN_TIME]       EQ      0.25 s
0137 C.      çç[HK1_S_TLM_BIT_RATE]    EQ      32k
0138 C.      çç[HK1_X_TLM_BIT_RATE]    EQ      4M
0139 C.      çç[HK1_DMP_CHK_FLG]      EQ      EXEC
0140 C.
0141 . C.   YÄYÖYx½ªİ»0ð³İÇ$
0142 C.      çç[HK1_DMP_CHK_FLG]      EQ      NON
0143 C.
0144 . C.   RAM ID=TI_TBL0İÊ¹Ç•è²İOK0ð³İÇ$
0145 C.
0146 . C.   DHUYâ;¼YÉ;Ê¼Y½,¥i;¼YÈ;Ë0ðİá0¹
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.   Stop EIS observation and temporarily disable EIS mode changes
0155 C.
0156 C.
0157 C.   ***** Start EIS operation (TI set) *****
0158 C.   Execute, after the success of OP upload.
0159 C.   Set EIS TI-commands
0160 +. TI  2012-04-03 10:53:30.0
0161 DC  07-FC EIS_MODE_MANU
0162 BC      (21 02)
0163 +. TI  2012-04-03 10:53:40.0
0164 DC  07-FC EIS_MODE_CHG_DIS
0165 BC      (22)
0166 . C.      [ ] [HK1_TI_CMD_NUM]      EQ      2 COUNTUP
0167 C.   ***** End EIS operation (TI set) *****
0168 C.
0169 C.
0170 C.
0171 . C.   ***** MDP ´ûÄî0İ»ö¼Y0ËÄ00¹0èDCBC•x²è *****
0172 C.   (¼á°İYÖYÄYËYF¥YÄYÇYè0Ë¼00¼Ä»Û0¹0è)
0173 . S. DC-BC dcbc-402:DCBC
0174 (MDP_known_event)
0175 C.
0176 C.
0177 . C.   ***** YD¥¹•İ Daily±çİÑ0Ë´00¹0èDCBC•x²è *****
0178 . S. DC-BC dcbc-153:DCBC
0179 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0180 C.
0181 C.
0182 . C.   ;ãLOS¥ÁY$YÄY-¼Ä»Û;ã
0183 C.
0184 . C.   ***** LOS *****
0185 C.

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(a) Spacecraft Operation Procedure (real-commands)

```

main-787 2012-04-03 14:41:52 133 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYAYSYAY^-¼Å»Û;ã
0005 C.
0006 C. YAYB;¼Y³YBYÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Ái;ÉçðÄñ•µ°È»Í×ÁÇçÍYçYAY×Yí;¼YÉ;ÈÈÈ%µ•ííÉ;ÈøÈ¼°ÇÇñ•ñ¿¼l¹ççí;çÀ®, ùñ¹ññèßççÁ+¿®ñ•ñÈñññ³ñÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+¿µ;ON
0016 C. *****
0017 C. ç° ºÈÀ, í×ÈYññÀLOSññççññ»p´õññ¹íí, ñ, çÉôí×ñÈXÁÓONññí¹òñÈññ¹ñÈñññ³ñÈ;f
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 + DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 + DC 03-95 TCIA_XMOD_QPSK
0024 C. çç[HK1_XPA_ON/OFF] EQ ON
0025 C. çç[HK1_XPA_PWR_HI/LO] EQ HI
0026 C. çç[HK1_XMOD_ON/OFF] EQ ON
0027 C. çç[HK1_XMOD_QPSK/PM] EQ QPSK
0028 C.
0029 . C. XYPYÓYÉYíYAY^-¾òÀññ•ñ¿ç;ç°È²¼ññí°ÈÀ, ¼È%ççññð¼Á¹òññ¹ñÈ;f
0030 C.
0031 . C. *****
0032 C. DR PT1 Áí¼í°ÈÀ,
0033 C. *****
0034 C. ç° RESTART;ÈPT1;Èñ•ñ¿çç¼l¹ççí;ç°È²¼ññí¼Á¹òññ»ñ°;çDCBC-150ññø¿Èññà;f
0035 C.
0036 . C. ;ãPT1°ÈÀ, ³«»Í;ã
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 + DC 06-C8 DR_PT1_REP_SEL
0039 BC (01 00)
0040 + DC 06-B3 DR_REP_START
0041 + DC 01-32 DHU_X_VC4_ON
0042 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Á¹ò, ;¼Ú)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹ò, ;¼Ú)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹ò, ;¼Ú)
0045 C.
0046 . C. ;ãYçYÓYÉYÈÁÚÁØ;ÈÁ•Á°²óÈø;È, áññí°ÈÀ, °È³«;ã
0047 +. DC 06-B3 DR_REP_START
0048 + DC 01-32 DHU_X_VC4_ON
0049 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Á¹ò, ;¼Ú)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹ò, ;¼Ú)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹ò, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÈÀ, ñ-¼«È°Áá»ßñ•ñ¿, á;ç°È²¼ññð¼Á¹òññ¹ñÈ;f
0055 C. YçYÓYÉYÈÁÚÁØññàÁ•Á°²óÈøññ-¼áññ¼l¹ççí´°í»ññ¹ñÈññççÁòññÁ;f
0056 C.
0057 . C. *****
0058 C. DR PT2 Áí¼í°ÈÀ,
0059 C. *****
0060 C. ç° RESTART;ÈPT2;Èñ•ñ¿çç¼l¹ççí;ç°È²¼ññí¼Á¹òññ»ñ°;çDCBC-151ññø¿Èññà;f
0061 C.
0062 . C. ;ãPT2°ÈÀ, ³«»Í;ã
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 + DC 06-C8 DR_PT2_REP_SEL
0065 BC (02 00)
0066 + DC 06-B3 DR_REP_START
0067 + DC 01-32 DHU_X_VC4_ON
0068 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Á¹ò, ;¼Ú)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹ò, ;¼Ú)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹ò, ;¼Ú)
0071 C.
0072 . C. ;ãYçYÓYÉYÈÁÚÁØ;ÈÁ•Á°²óÈø;È, áññí°ÈÀ, °È³«;ã
0073 +. DC 06-B3 DR_REP_START
0074 + DC 01-32 DHU_X_VC4_ON
0075 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Á¹ò, ;¼Ú)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹ò, ;¼Ú)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹ò, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÈÀ, Áá»ß;çXÁ+¿µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÈÀ, Áá»ß;ã
0084 +. DC 06-B4 DR_REP_STOP
0085 + DC 01-29 DHU_S/X_VC4_OFF
0086 C. çç[HK1_REP_STA/STP] EQ STOP
0087 C. çç[HK1_S_VC4_ON/OFF] EQ OFF
0088 C. çç[HK1_X_VC4_ON/OFF] EQ OFF
0089 C.
0090 . C. ;ãXÁ+¿µ;OFF;ã
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 + DC 03-B5 TCIA_XPA_OFF
0094 C. çç[HK1_XMOD_ON/OFF] EQ OFF
0095 C. çç[HK1_XPA_ON/OFF] EQ OFF

```

```
0096 C.
0097 C.
0098 C. *****
0099 C. SOT TI command set
0100 C. *****
0101 C. Execute, after the success of OP upload.
0102 +. TI 2012-04-03 10:53:16.0
0103 DC 07-F0 MDP_SOT_MODE_STBY
0104 BC (41)
0105 . C. -----
0106 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0107 C. -----
0108 C. ***** SOT END *****
0109 C.
0110 C. ***** XRT START *****
0111 C. Execute, after the success of OP upload.
0112 +. TI 2012-04-03 10:53:00.0
0113 DC 07-F0 MDP_XRT_MODE_STBY
0114 BC (c3)
0115 . C. [ ] [HK1_TI_CMD_NUM] EQ 1COUNTUP
0116 C.
0117 C. ***** XRT END *****
0118 C.
0119 . C. ***** MDP 'úÃîñî»ö¼ÝðËÂð¹ñèDCBC•x²è *****
0120 C. (¼ã°îÿÓÿÄÿÈÿÞÿËÿáÿçÿèñ¼ñ¼Ä»Û¹ñè)
0121 . S. DC-BC dcbc-402:DCBC
0122 (MDP_known_event)
0123 C.
0124 C.
0125 . C. ***** ÿDÿ¹•Ï Daily±¿ÎÑñË´Ø¹ñèDCBC•x²è *****
0126 . S. DC-BC dcbc-153:DCBC
0127 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0128 C.
0129 C.
0130 . C. ;ãLÖSÿÄÿ§ÿËÿËÿ-¼Ä»Û;ä
0131 C.
0132 . C. ***** LOS *****
0133 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-788 2012-04-03 14:41:52 29 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÁY^-¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YFYOYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Ë¿ãÁã•µ°Æ»Í×ÁÇãÍYçYÁY×Yí;¼YÉ;ËËè¼µ•íÍË;ËãË¼°ÇÕã•¿¼i¹çãÍ;çÀ®, ùã¹ãèãBãÇÁ+¿®ã•ãËããã³ãÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 . C. ***** MDP `úÁÍãÍ»ò¼YãËÁã¹ãèDCBC•x²è *****
0016 C. (¼ã°íYÓYÁYËYB¥ËYáYçYèãË¼ã¼Á»Û¹ãè)
0017 . S. DC-BC dcbc-402:DCBC
0018 (MDP_known_event)
0019 C.
0020 C.
0021 . C. ***** YD¥¹•Í Daily+¿íÑãË´Øã¹ãèDCBC•x²è *****
0022 . S. DC-BC dcbc-153:DCBC
0023 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0024 C.
0025 C.
0026 . C. ;ãLOSÁYŞYÁY^-¼Á»Û;ã
0027 C.
0028 . C. ***** LOS *****
0029 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-789 2012-04-03 14:41:52 123 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Èø¿øÄø•μ°È»Í×ÁÇøÍYçYÁY×Yí;¼YÉ;ÈÈè%μ•íÉ;ÈøÈ¼°ÇÖø•ø¿¼í¹çøÍ;çÄ®, ùø¹øÈøøøÇÁ+¿®ø•øÈøøøøøøÈ;f
0011 +. DC 02-8E AOCS_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCS Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ( )
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCS_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STS1>[MEMORY OPERATE STATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCS Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCS_DUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCS_ORB_UPD
0044 . C.
0045 . C. ***** AOCS Commands (Orbital Element Update) *****
0046 C. Update the orbital element
0047 +. DC 02-50 AOCS_ORB_PRPGT_START
0048 BC (16)
0049 +. DC 02-8E AOCS_ORB_UPD
0050 C.
0051 C. <A_ORB>[ORBIT] EPC = 6340145.1 +- 1.0 (s) [ ]
0052 C.
0053 . C.
0054 . C. *****
0055 C. SOT table upload
0056 C. *****
0057 . C. < Stop FG table >
0058 +. DC 07-F0 MDP_FG_CTRL_MANU
0059 BC (51)
0060 . C. -----
0061 C. MDP_FG_CTRL_MODE = MANU [ ]
0062 C. -----
0063 C.
0064 . C. <Upload FG Observation Table>
0065 . S. RAM ram-269:MDP_OBS_F
0066 ( )
0067 C.
0068 . C. < Dump RAMID=MDP_OBS_F >
0069 +. DC 07-F0 MDP_DUMP_FGTBL
0070 BC (82 07 00 00 00 38 b8)
0071 C. -----
0072 C. MDP_OBS_F verify = OK/NG [ ]
0073 C. -----
0074 C.
0075 C. *****
0076 C. SOT TI command set
0077 C. *****
0078 C. Execute, after the success of TBL upload.
0079 +. TI 2012-04-03 10:53:18.0
0080 DC 07-F0 MDP_SOT_MODE_OBSV
0081 BC (40)
0082 . C. -----
0083 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0084 C. -----
0085 C.
0086 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0087 +. DC 07-FC EIS_MODE_MANU
0088 BC (21 02)
0089 . C. Verify EIS in MANUAL mode
0090 . C. Estimated OBSTBL upload time is 39s
0091 C. *****
0092 C. EIS START OBSTBL LOAD
0093 C. *****
0094 . S. RAM ram-820:EIS_OBSTBL
0095 ( )
```

```
0096 +. DC 07-FC EIS_DUMP_OBSTBL
0097 BC      (07 07 07 00 00 70 00)
0098 C.
0099 C. Execute, after the success of OBSTBL upload.
0100 C. Set EIS TI-commands
0101 +. TI 2012-04-03 10:53:50.0
0102 DC 07-FC EIS_MODE_CHG_ENA
0103 BC      (20)
0104 . C.
0105 C. ***** [      ] [HK1_TI_CMD_NUM]      EQ      1 COUNTUP
0106 C. EIS END OBSTBL LOAD
0107 C. *****
0108 C.
0109 . C. ***** MDP ˆûÃîñî»ö¼ŸñĒĀĐñ¹ñēDCBC•x²è *****
0110 C. (¼ã°îŸŌŸĀŸĒŸŒŸĒŸĀŸŸēñ¼ññ¼Ā»Ūñ¹ñē)
0111 . S. DC-BC dcbc-402:DCBC
0112 (MDP_known_event)
0113 C.
0114 C.
0115 . C. ***** ŸDŸ¹•İ Daily±;îÑñĒ'Ÿñ¹ñēDCBC•x²è *****
0116 . S. DC-BC dcbc-153:DCBC
0117 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0118 C.
0119 C.
0120 . C. ;ãLOSŸĀŸSŸĀŸ-¼Ā»Ū;ã
0121 C.
0122 . C. ***** LOS *****
0123 C.
```



```

0096 C.
0097 C.
0098 C.
0099 C. ***** XRT START *****
0100 C.
0101 +. DC 07-F0 MDP_XRT_CTRL_MANU
0102 BC (c1)
0103 + DC 07-F0 MDP_XRT_MODE_STBY
0104 BC (c3)
0105 . C. ----- Success Verify ? OK / NG____
0106 C.
0107 C. XRT Obs. Table Upload
0108 . S. RAM ram-291:MDP_OBS_X
0109 ( )
0110 C.
0111 +. DC 07-F0 MDP_DUMP_XRTTBL
0112 BC (84 07 00 00 00 3a d4)
0113 . C. ----- Comparison Check ? OK / ERR ____
0114 C.
0115 C.
0116 +. DC 07-F0 MDP_XRT_ROI_SET
0117 BC (cd 01 b1 b1 04 04)
0118 + DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 02 b1 b1 08 08)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 03 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 04 b1 b1 06 06)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 05 85 83 06 06)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 06 85 83 06 06)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 07 80 80 20 20)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 08 80 80 20 08)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 09 80 80 08 20)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 0a 85 83 08 08)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 0b c0 c0 10 10)
0138 + DC 07-F0 MDP_XRT_ROI_SET
0139 BC (cd 0c 40 c0 10 10)
0140 + DC 07-F0 MDP_XRT_ROI_SET
0141 BC (cd 0d 40 40 10 10)
0142 + DC 07-F0 MDP_XRT_ROI_SET
0143 BC (cd 0e c0 40 10 10)
0144 + DC 07-F0 MDP_XRT_ROI_SET
0145 BC (cd 0f 80 80 06 06)
0146 + DC 07-F0 MDP_XRT_ROI_SET
0147 BC (cd 10 80 80 08 08)
0148 + DC 07-F0 MDP_XRT_FLD_ENA
0149 BC (d8)
0150 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0151 BC (c8)
0152 + DC 07-F0 MDP_XRT_AEC_RESET
0153 BC (d0)
0154 + DC 07-F0 MDP_XRT_ARS_DIS
0155 BC (d5)
0156 + DC 07-F0 MDP_XRT_FLD_RESET
0157 BC (da)
0158 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0159 BC (c4 0b)
0160 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0161 BC (c5 02)
0162 . C. ----- Success Verify ? OK / NG ____
0163 C.
0164 C.
0165 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0166 C.
0167 +. DC 07-F0 MDP_XRT_MODE_OBSV
0168 BC (c2)
0169 +. TI 2012-04-03 10:53:02.0
0170 DC 07-F0 MDP_XRT_MODE_OBSV
0171 BC (c2)
0172 +. DC 07-F0 MDP_XRT_CTRL_AUTO
0173 BC (c0)
0174 +. TI 2012-04-03 10:53:04.0
0175 DC 07-F0 MDP_XRT_CTRL_AUTO
0176 BC (c0)
0177 . C. ----- Success Verify ? OK / NG ____
0178 C.
0179 C. ***** XRT END *****
0180 C.
0181 . C. ***** MDP `úÃîñï»ò¼ÝñÈÃðñ¹ñèDCBC•x²è *****
0182 C. (¼á°îÝÓÝÃÝÈÝÞÝËÝáÝçÝèñÈ¼ññ¼Ã»Ûñ¹ñè)
0183 . S. DC-BC dcbc-402:DCBC
0184 (MDP_known_event)
0185 C.
0186 C.
0187 . C. ***** ÝÐÝ¹•Ï Daily±;îññÈ`Øñ¹ñèDCBC•x²è *****
0188 . S. DC-BC dcbc-153:DCBC
0189 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0190 C.
0191 C.
0192 . C. ;ãLOSÝÃÝ$ÝÃÝ~¼Ã»Û;ã
0193 C.

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0194 . C. \*\*\*\*\* LOS \*\*\*\*\*  
0195 C.



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

2012/04/03	11:03:54.0	XRT_CTRL_MANU_439_OG [0x1b7]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/03	11:04:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00 53 64 01 26				
2012/04/03	11:06:26.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2012/04/03	11:06:46.0	XRT_FLD_ENA_435_OG [0x1b3]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2012/04/03	11:06:48.0	XRT_FLRCTRL_ENA_449_OG [0x1c1]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2012/04/03	11:06:50.0	XRT_AEC_RESET_443_OG [0x1bb]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2012/04/03	11:06:52.0	XRT_ARS_DIS_431_OG [0x1af]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2012/04/03	11:06:54.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2012/04/03	11:06:56.0	XRT_QT_PROG_SET_445_OG [0x1bd]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 14				
2012/04/03	11:06:58.0	XRT_FL_PROG_SET_414_OG [0x19e]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 03				
2012/04/03	11:07:00.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/04/03	14:19:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/03	14:19:32.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2012/04/03	14:19:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/04/03	14:22:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/04/03	14:28:00.0	XRT_Custom_418_OG [0x1a2]							
2012/04/03	14:29:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/04/03	15:53:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/03	15:53:32.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2012/04/03	15:53:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/04/03	15:56:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/04/03	16:17:00.0	XRT_Custom_418_OG [0x1a2]							
2012/04/03	16:18:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/04/03	17:30:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/03	17:30:02.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2012/04/03	17:30:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/04/03	17:33:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/04/03	17:53:30.0	XRT_Custom_418_OG [0x1a2]							
2012/04/03	17:54:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/04/03	17:55:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/03	17:55:26.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2012/04/03	17:55:30.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2012/04/03	17:55:46.0	XRT_FLD_DIS_402_OG [0x192]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2012/04/03	17:55:48.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2012/04/03	17:55:50.0	XRT_ARS_DIS_438_OG [0x1b6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2012/04/03	17:58:28.0	XRT_QT_PROG_SET_444_OG [0x1bc]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 01				
2012/04/03	17:58:30.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/04/03	18:05:24.0	XRT_CTRL_MANU_439_OG [0x1b7]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/03	18:05:30.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	03 00 00 00 00				
2012/04/03	18:07:56.0	XRT_FOCUS_POSITION_409_OG [0x199]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2012/04/03	18:08:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2012/04/03	18:08:18.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2012/04/03	18:08:20.0	XRT_AEC_RESET_443_OG [0x1bb]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2012/04/03	18:08:22.0	XRT_ARS_DIS_431_OG [0x1af]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2012/04/03	18:08:24.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2012/04/03	18:08:26.0	XRT_QT_PROG_SET_441_OG [0x1b9]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07				
2012/04/03	18:08:28.0	XRT_FL_PROG_SET_414_OG [0x19e]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 03				

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2012/04/03	18:08:30.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/04/03	19:07:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/03	19:07:02.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2012/04/03	19:07:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/04/03	19:10:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/04/03	19:30:30.0	XRT_Custom_418_OG [0x1a2]							
2012/04/03	19:31:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/04/03	20:44:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/03	20:44:32.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2012/04/03	20:44:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/04/03	20:47:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/04/03	21:08:00.0	XRT_Custom_418_OG [0x1a2]							
2012/04/03	21:09:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/04/03	22:22:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/03	22:22:02.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2012/04/03	22:22:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2012/04/03	22:25:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2012/04/03	22:43:30.0	XRT_Custom_418_OG [0x1a2]							
2012/04/03	22:44:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/04/04	00:00:00.0	XRT_CTRL_MANU_442_OG [0x1ba]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/04	00:00:30.0	XRT_TCIB_XRT_S_HTR_A_ENA_426_OG [0x1aa]							
		TCIB_XRT_S_HTR_A_ENA	0	04-BC					
2012/04/05	00:00:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/05	00:00:02.0	XRT_TCIB_XRT_S_HTR_A_DIS_436_OG [0x1b4]							
		TCIB_XRT_S_HTR_A_DIS	0	04-C0					
2012/04/05	05:54:54.0	XRT_CTRL_MANU_430_OG [0x1ae]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/05	05:55:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 2e f9 2e f9				
2012/04/05	05:57:32.0	XRT_FOCUS_POSITION_427_OG [0x1ab]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2012/04/05	05:57:52.0	XRT_QT_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a				
2012/04/05	05:57:54.0	XRT_FLD_DIS_402_OG [0x192]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2012/04/05	05:57:56.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2012/04/05	05:57:58.0	XRT_ARS_DIS_431_OG [0x1af]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2012/04/05	05:58:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/04/05	06:04:54.0	XRT_CTRL_MANU_430_OG [0x1ae]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/05	06:05:00.0	AOCS_ORe-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00 2e f9 d1 07				
2012/04/05	06:07:32.0	XRT_FOCUS_POSITION_427_OG [0x1ab]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2012/04/05	06:07:52.0	XRT_QT_PROG_SET_403_OG [0x193]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2012/04/05	06:07:54.0	XRT_FLD_DIS_402_OG [0x192]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2012/04/05	06:07:56.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2012/04/05	06:07:58.0	XRT_ARS_DIS_431_OG [0x1af]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2012/04/05	06:08:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/04/05	06:14:54.0	XRT_CTRL_MANU_430_OG [0x1ae]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2012/04/05	06:15:00.0	AOCS_ORe-point_Start_6_OG [0x09c]							
		AOCU_NM	5	02-76	00 d1 07 d1 07				
2012/04/05	06:17:32.0	XRT_FOCUS_POSITION_427_OG [0x1ab]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2012/04/05	06:17:52.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 13				
2012/04/05	06:17:54.0	XRT_FLD_DIS_402_OG [0x192]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2012/04/05	06:17:56.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2012/04/05	06:17:58.0	XRT_ARS_DIS_431_OG [0x1af]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2012/04/05	06:18:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2012/04/05	06:24:54.0	XRT_CTRL_MANU_430_OG [0x1ae]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				

2012/04/05	06:25:00.0	AOCS_OrE-point_Start_7_OG [0x09d] AOCU_NM	5	02-76	00 d1	07 2e f9
2012/04/05	06:27:32.0	XRT_FOCUS_POSITION_427_OG [0x1ab] XRT_FOCUS_POSITION	4	07-F8	22 ff	aa 00
2012/04/05	06:27:52.0	XRT_QT_PROG_SET_415_OG [0x19f] MDP_XRT_QT_PROG_SET	2	07-F0	c4	05
2012/04/05	06:27:54.0	XRT_FLD_DIS_402_OG [0x192] MDP_XRT_FLD_DIS	1	07-F0	d9	
2012/04/05	06:27:56.0	XRT_FLRCTRL_DIS_433_OG [0x1b1] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2012/04/05	06:27:58.0	XRT_ARS_DIS_431_OG [0x1af] MDP_XRT_ARS_DIS	1	07-F0	d5	
2012/04/05	06:28:00.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2012/04/05	06:34:54.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2012/04/05	06:34:56.0	XRT_FOCUS_POSITION_401_OG [0x191] XRT_FOCUS_POSITION	4	07-F8	22 ff	aa 00
2012/04/05	06:35:00.0	AOCS_OrE-point_Start_2_OG [0x098] AOCU_NM	5	02-76	00 00	00 00 00
2012/04/05	06:35:16.0	XRT_FLD_DIS_402_OG [0x192] MDP_XRT_FLD_DIS	1	07-F0	d9	
2012/04/05	06:35:18.0	XRT_FLRCTRL_DIS_433_OG [0x1b1] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2012/04/05	06:35:20.0	XRT_ARS_DIS_438_OG [0x1b6] MDP_XRT_ARS_DIS	1	07-F0	d5	
2012/04/05	06:37:58.0	XRT_QT_PROG_SET_444_OG [0x1bc] MDP_XRT_QT_PROG_SET	2	07-F0	c4	01
2012/04/05	06:38:00.0	XRT_CTRL_AUTO_406_OG [0x196] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2012/04/05	06:45:00.0	AOCS_OrE-point_Start_3_OG [0x099] AOCU_NM	5	02-76	03 00	00 00 00
2012/04/05	06:46:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2012/04/05	06:46:32.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1	07-F0	da	
2012/04/05	06:46:34.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2012/04/05	06:49:44.0	XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2012/04/05	07:11:30.0	XRT_CTRL_MANU_429_OG [0x1ad] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2012/04/05	07:11:32.0	XRT_FOCUS_POSITION_409_OG [0x199] XRT_FOCUS_POSITION	4	07-F8	22 fe	97 00
2012/04/05	07:11:52.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8	
2012/04/05	07:11:54.0	XRT_FLRCTRL_ENA_413_OG [0x19d] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2012/04/05	07:11:56.0	XRT_AEC_RESET_443_OG [0x1bb] MDP_XRT_AEC_RESET	1	07-F0	d0	
2012/04/05	07:11:58.0	XRT_ARS_DIS_431_OG [0x1af] MDP_XRT_ARS_DIS	1	07-F0	d5	
2012/04/05	07:12:00.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1	07-F0	da	
2012/04/05	07:12:02.0	XRT_QT_PROG_SET_441_OG [0x1b9] MDP_XRT_QT_PROG_SET	2	07-F0	c4	07
2012/04/05	07:12:04.0	XRT_FL_PROG_SET_414_OG [0x19e] MDP_XRT_FL_PROG_SET	2	07-F0	c5	03
2012/04/05	07:12:06.0	XRT_CTRL_AUTO_406_OG [0x196] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2012/04/05	08:26:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2012/04/05	08:26:32.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1	07-F0	da	
2012/04/05	08:26:34.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2012/04/05	08:29:44.0	XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2012/04/05	08:47:30.5	XRT_Custom_418_OG [0x1a2]				
2012/04/05	08:48:30.5	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2012/04/05	10:07:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2012/04/05	10:07:32.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1	07-F0	da	
2012/04/05	10:07:34.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2012/04/05	10:10:44.0	XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2012/04/05	10:41:00.0	AOCS_OrE-point_Start_2_OG [0x098] AOCU_NM	5	02-76	00 00	00 00 00