

# XRT Timeline to be uploaded on 2008/09/04

Period: 2008/09/04 11:26:00 - 2008/09/09 11:16:00

\* \* \* \* \*

Normal mode

\* \* \* \* \*

<b>XOB #15B7: XBP Q95 Al/poly (AEC4) + Ti/poly (AEC4) + Thin-Be (AEC0)- med cadence -FOV512</b>													
Term	Pointing (x, y)							Comment					
09/04 11:33:06 - 09/04 11:55:00	Fixed ( , )												
<b>PROG= 08 Inf.-time(s)</b>													
└─ Subr= 1 1-time(s) 120.0sec													
└─ Seqn= 77 10-time(s) 60.0sec													
└─ Al-poly/Open C-poly/Open close Safe Norm 8.00s Obs 1x1 512x512 (1024, 1024) Q=95 4 0 2.0sec													
└─ Open/Ti-poly Open/thick-Al close Safe Norm 8.00s Obs 1x1 512x512 (1024, 1024) Q=95 4 0 2.0sec													
└─ Subr= 2 1-time(s) 4.0sec													
└─ Seqn= 56 1-time(s) 4.0sec													
└─ thin-Be/Open thin-Be/Open close Safe Norm 64.0s Obs 1x1 512x512 (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													

<b>XOB #15BE: CH - Al/poly + Ti/poly + Thin-Be - AEC 1 - FOV 512x512 - 2 min cadence - lossless</b>													
Term	Pointing (x, y)							Comment					
09/04 12:02:00 - 09/04 13:30:00	Fixed ( 0.0, 880.0)							* N polar CH, for XRT obs, etc.					
<b>PROG= 03 Inf.-time(s)</b>													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 55 30-time(s) 120.0sec													
└─ Al-poly/Open thin-Be/Open close Safe Norm 8.00s Obs 1x1 512x512 (1024, 1024) DPCM 1 0 2.0sec													
└─ Open/Ti-poly Open/thick-Al close Safe Norm 16.0s Obs 1x1 512x512 (1024, 1024) DPCM 1 0 2.0sec													
└─ thin-Be/Open thin-Be/Open close Safe Norm 64.0s Obs 1x1 512x512 (1024, 1024) DPCM 0 0 2.0sec													
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval													

<b>XOB #15A3: Synoptic Q95 2x2 - Al/poly(512/5795) + Dark cal(512 Q98) + Ti-poly(723/11571) + G-band(16)</b>													
Term	Pointing (x, y)							Comment					
09/04 17:40:30 - 09/05 05:56:54	Fixed ( 0.0, 0.0)							synoptic, shifted -21.5 min					
09/05 18:02:00 - 09/05 18:59:54	Fixed ( 0.0, 0.0)							synoptic					
<b>PROG= 11 1-time(s)</b>													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 18 1-time(s) 4.0sec													
└─ Al-poly/Open Al-poly/Open close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec													
└─ Al-poly/Open Al-poly/thick-Al close Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec													
└─ Seqn= 72 1-time(s) 2.0sec													
└─ Open/Al-mesh Open/Al-mesh close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec													
└─ Seqn= 76 1-time(s) 4.0sec													
└─ Open/Ti-poly Open/thick-Al close Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec													
└─ Open/Ti-poly Open/thick-Al close Safe Norm 11.3s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec													
└─ Seqn= 92 1-time(s) 2.0sec													
└─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec													
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval													

<b>XOB #15A4: Synoptic Q95 2x2 - Al/mesh(512/5795) + Dark cal(512 Q98) + Ti-poly(723/11571) + G-band(16)</b>													
Term	Pointing (x, y)							Comment					
09/05 05:59:00 - 09/05 17:59:54	Fixed ( 0.0, 0.0)							synoptic, shifted -3.0 min					
09/06 06:17:30 - 09/06 07:59:54	Fixed ( 0.0, 0.0)							synoptic, shifted 15.5 min					
<b>PROG= 12 1-time(s)</b>													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 87 1-time(s) 4.0sec													
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec													
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec													
└─ Seqn= 72 1-time(s) 2.0sec													
└─ Open/Al-mesh Open/Al-mesh close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec													
└─ Seqn= 76 1-time(s) 4.0sec													
└─ Open/Ti-poly Open/thick-Al close Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec													
└─ Open/Ti-poly Open/thick-Al close Safe Norm 11.3s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec													
└─ Seqn= 92 1-time(s) 2.0sec													
└─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec													
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval													

<b>XOB #15BD: CH - Al/Mesh (32s) + Ti/Poly (64s) - 512x512 - Q95 - with half-res. full frame</b>													
Term	Pointing (x, y)							Comment					
09/05 19:02:00 - 09/05 20:36:54	Track ( 592.2, -162.9) <sup>Ⓜ 09/05 19:00:00</sup>							* HOP 76, on-disk CH, three pointings.					
09/05 20:39:00 - 09/05 22:14:54	Track ( 494.9, -231.9) <sup>Ⓜ 09/05 20:37:00</sup>							* Second pointing.					
09/05 22:17:00 - 09/05 23:15:00	Track ( 407.6, -330.9) <sup>Ⓜ 09/05 22:15:00</sup>							* Third pointing.					
<b>PROG= 13 Inf.-time(s)</b>													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 87 1-time(s) 4.0sec													
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec													
└─ Open/Al-mesh Open/Ti-poly close Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec													

└─	<b>Seqn= 72</b>	<b>1-time(s)</b>	<b>2.0sec</b>																	
└─┬─	Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec						
└─┬─	<b>Seqn= 76</b>	<b>1-time(s)</b>	<b>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>Subr= 2</b>	<b>6-time(s)</b>	<b>1200.0sec</b>																	
└─┬─┬─	<b>Seqn= 62</b>	<b>1-time(s)</b>	<b>4.0sec</b>																	
└─┬─┬─┬─	Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	32.0s	Obs	1x1	512x512	(1024, 1024)	Q=98	0	0	2.0sec						
└─┬─┬─	<b>Seqn= 64</b>	<b>10-time(s)</b>	<b>120.0sec</b>																	
└─┬─┬─┬─	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	32.0s	Obs	1x1	512x512	(1024, 1024)	Q=95	0	0	1.0sec						
└─┬─┬─┬─	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	64.0s	Obs	1x1	512x512	(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 #15BB: Filament - 2x2 Al_poly, FOV 512x256 w/ context</b>																				
Term										Pointing (x, y)					Comment					
09/06 08:02:00 - 09/06 10:24:00										Track ( -214.3, 636.3) @ 09/06 08:00:00					* With VTT, track QS.					
<b>PROG= 15 Inf.-time(s)</b>																				
└─	<b>Subr= 1</b>	<b>1-time(s)</b>	<b>2.0sec</b>																	
└─┬─	<b>Seqn= 38</b>	<b>12-time(s)</b>	<b>4.0sec</b>																	
└─┬─┬─	Al-poly/Open	Al-poly/Open	close	Safe	Norm	11.3s	Obs	2x2	512x256	(1024, 1024)	no comp	0	0	300.0sec						
└─┬─	<b>Seqn= 83</b>	<b>1-time(s)</b>	<b>4.0sec</b>																	
└─┬─┬─	Al-poly/Open	Al-poly/Open	close	Safe	Norm	22.6s	Obs	1x1	1024x512	(1024, 1024)	DPCM	0	0	300.0sec						
└─┬─┬─	thin-Be/Open	thin-Be/Open	close	Safe	Norm	45.2s	Obs	1x1	1024x512	(1024, 1024)	DPCM	0	0	300.0sec						
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)			Comp.	AEC Buffer	Interval						

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* * * * *
                                Flare mode
                                * * * * *

                                NOT USED

* * * * *
                                Active Region Search
                                * * * * *

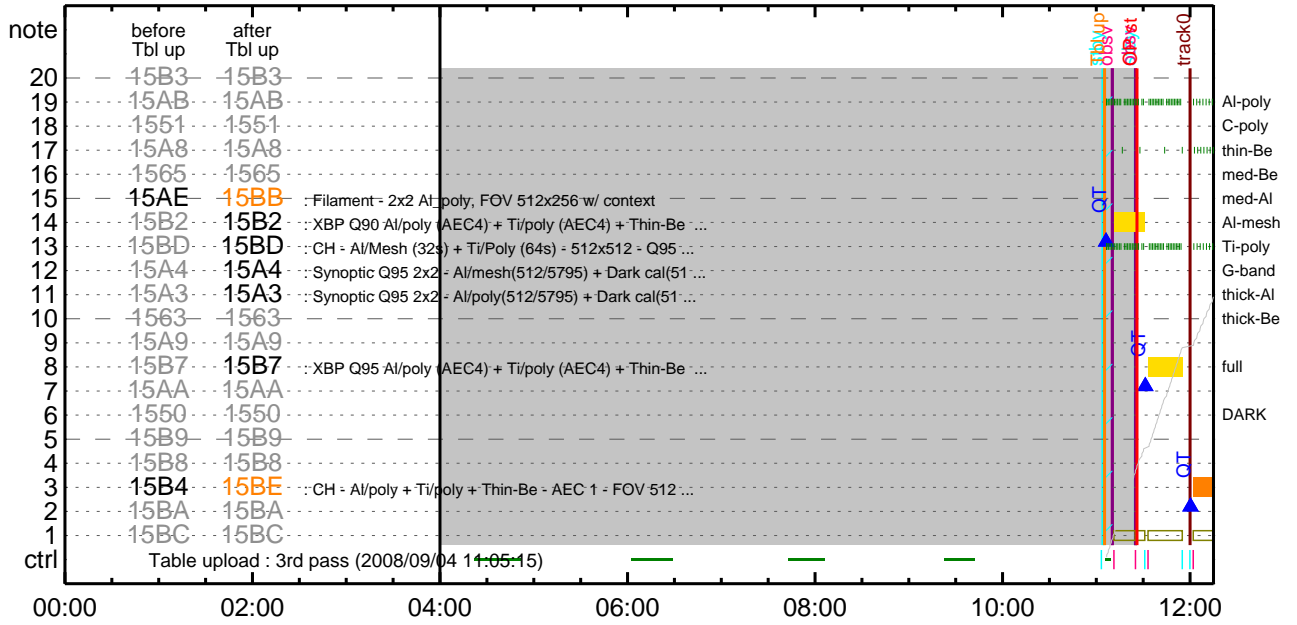
                                NOT USED

* * * * *
                                Flare Detection
                                * * * * *

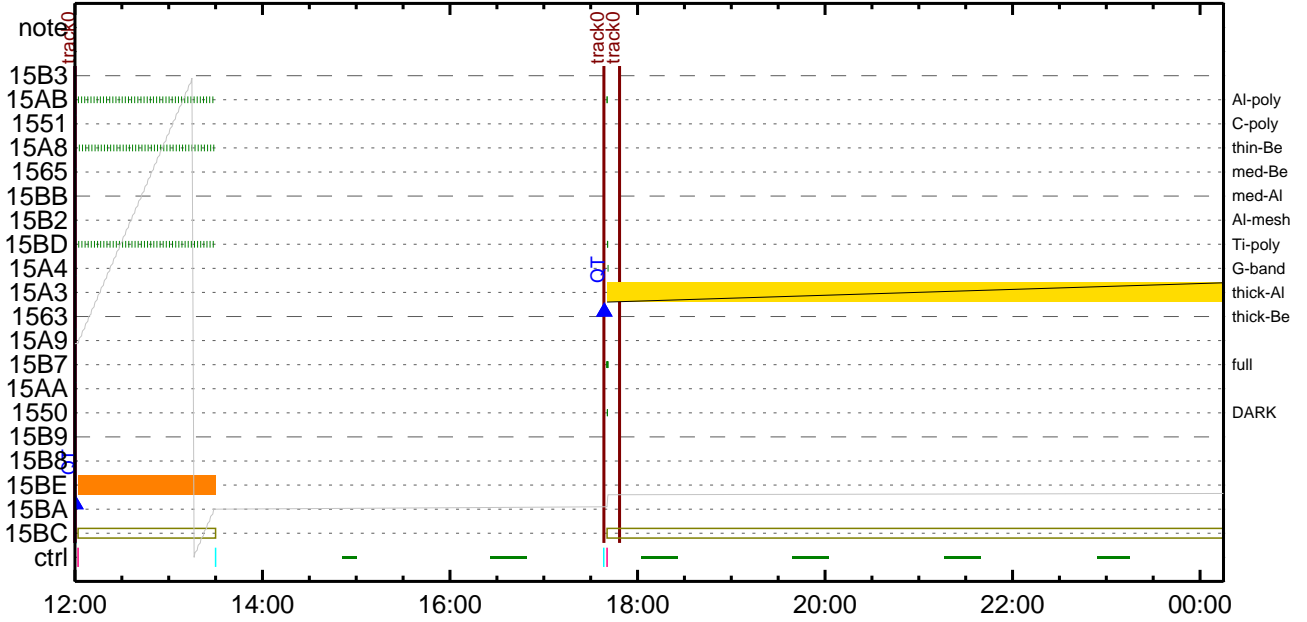
                                NOT USED

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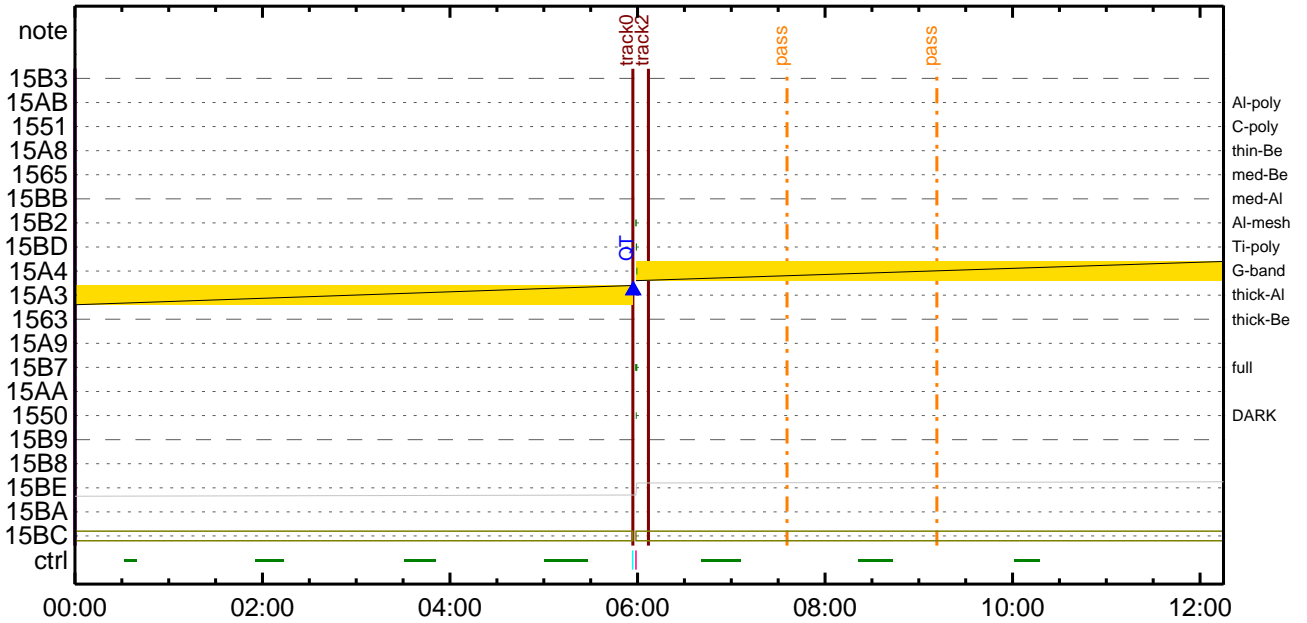
### CMDI #0119 2008/09/04



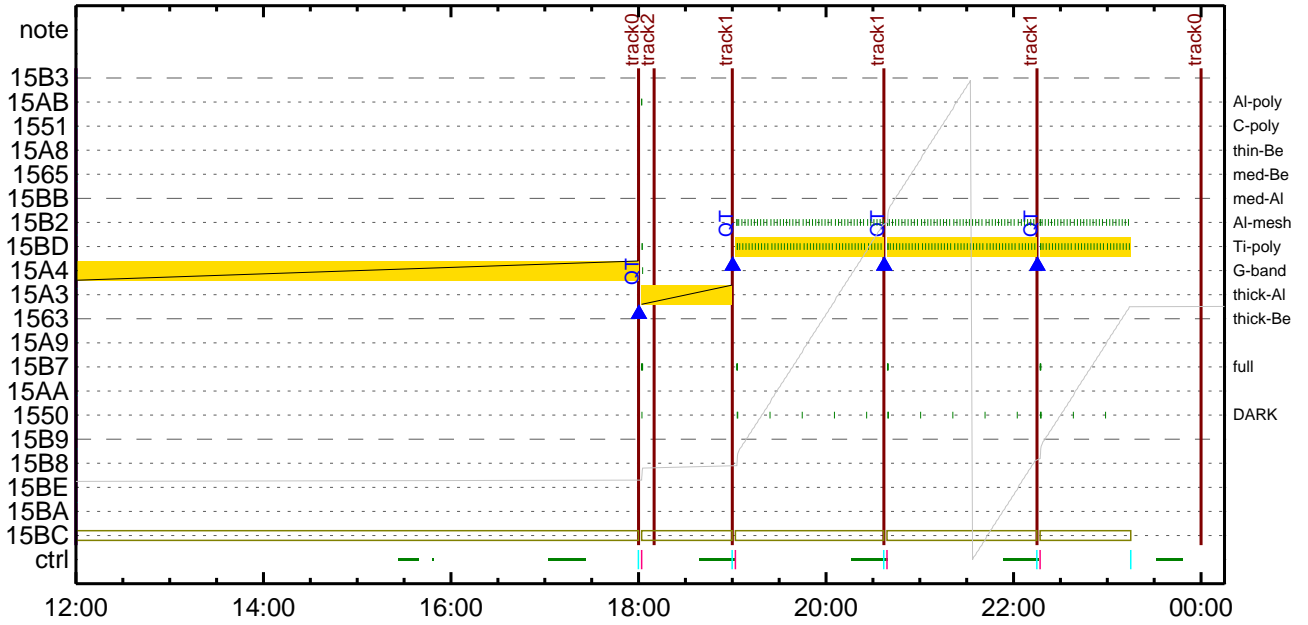
### CMDI #0119 2008/09/04



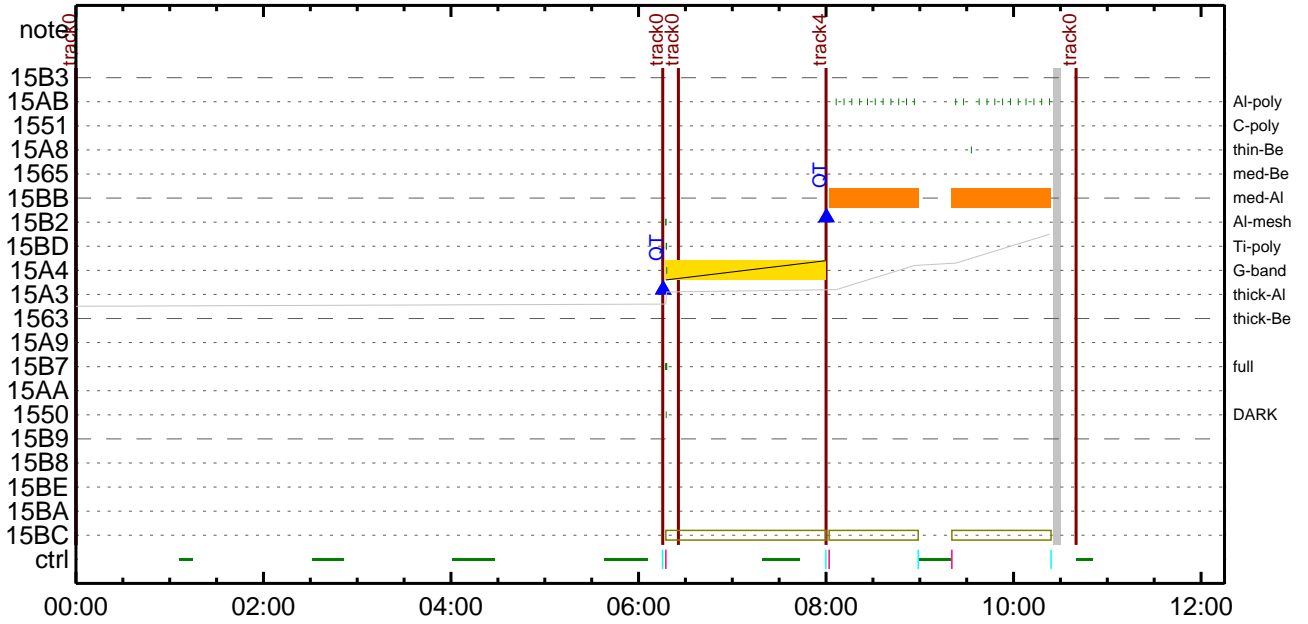
### CMDI #0119 2008/09/05



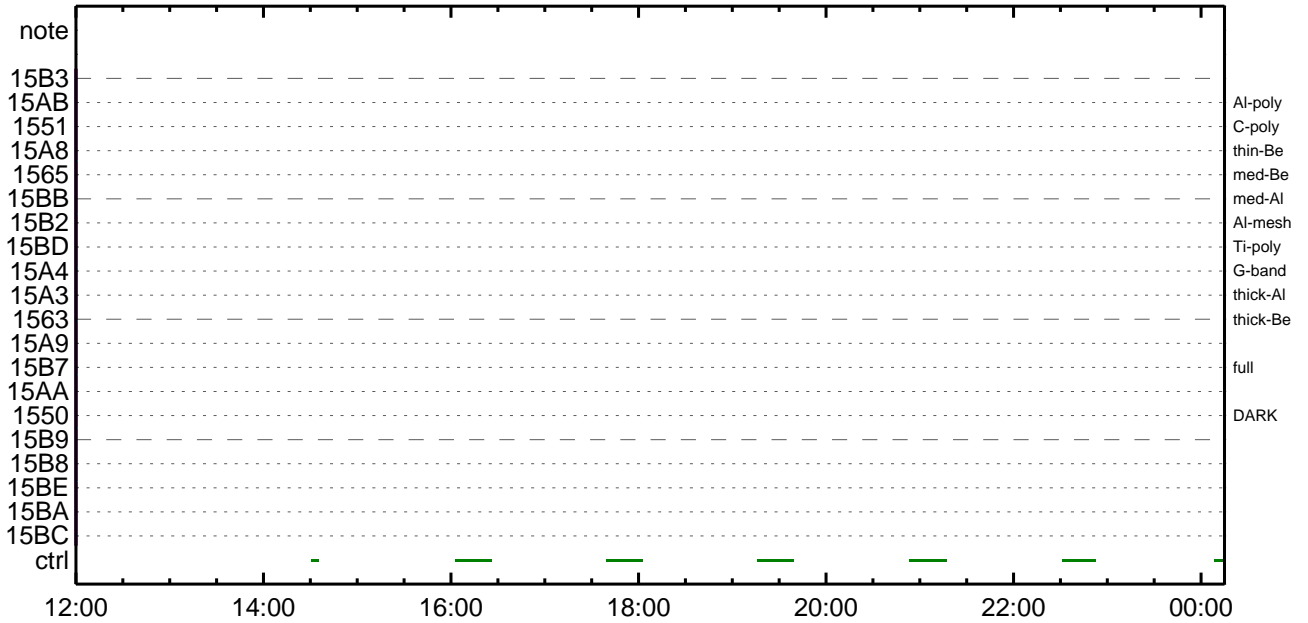
### CMDI #0119 2008/09/05



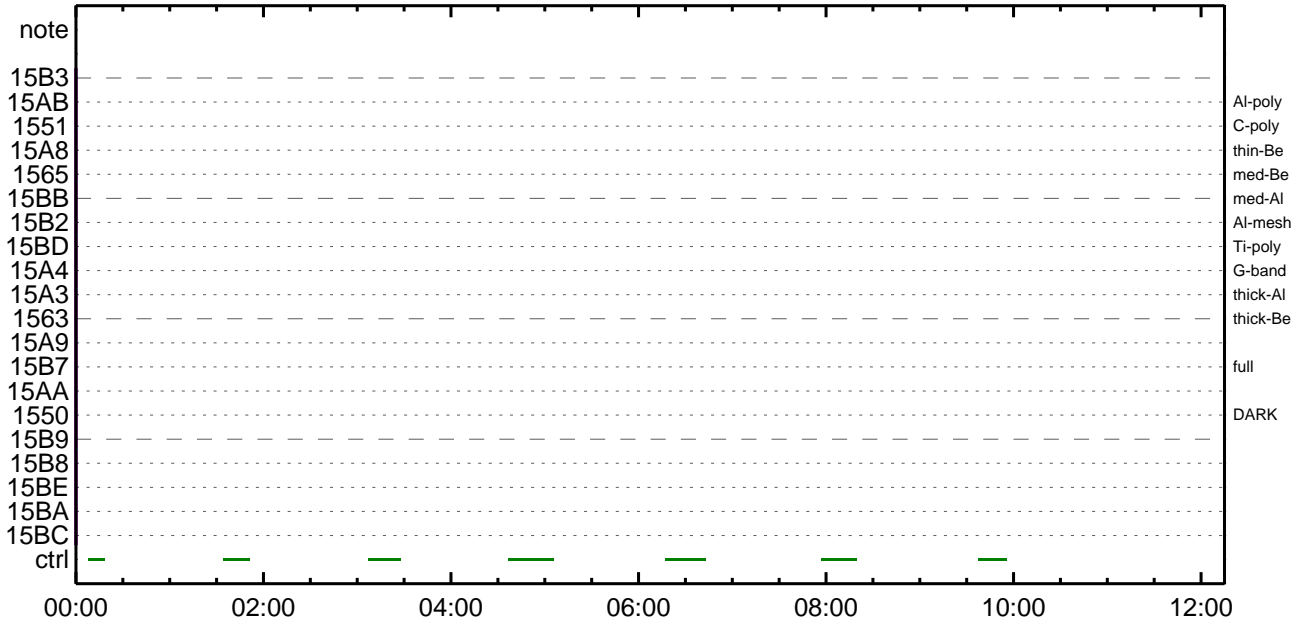
### CMDI #0119 2008/09/06



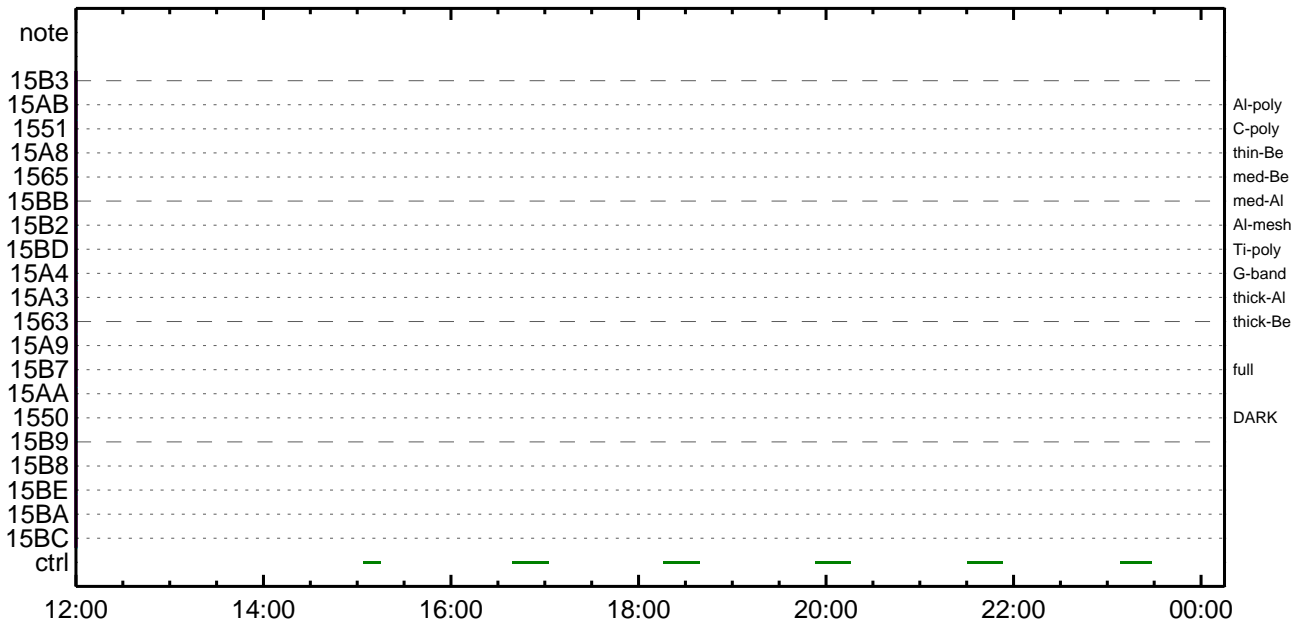
### CMDI #0119 2008/09/06



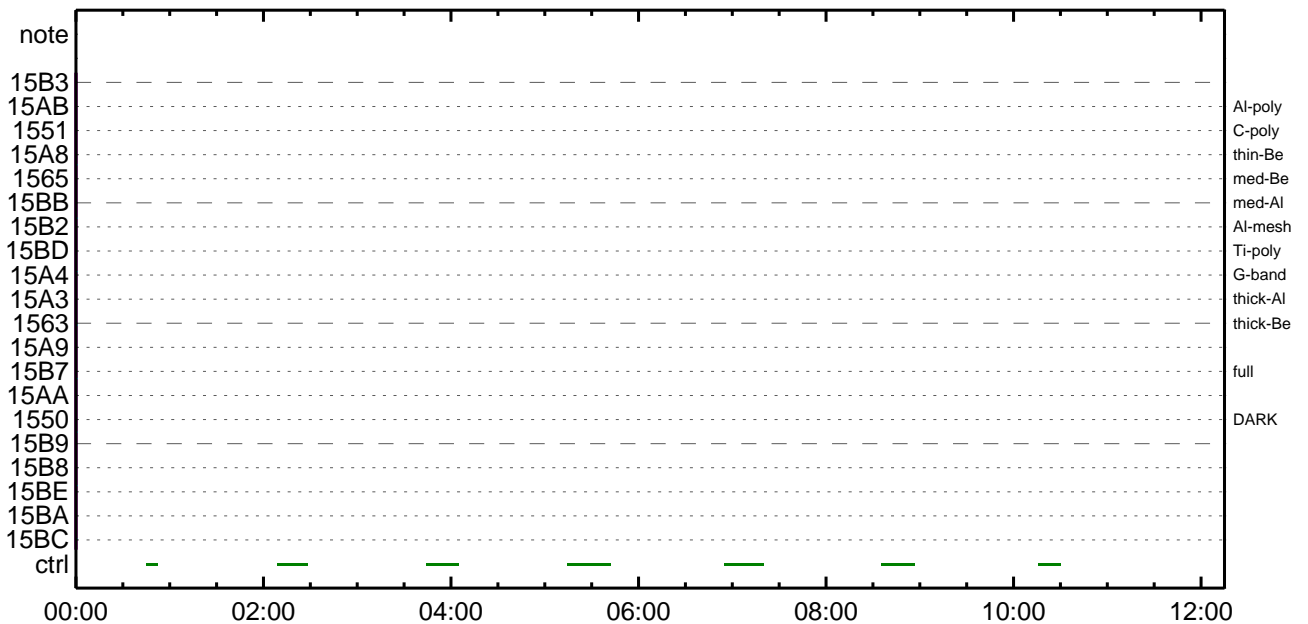
CMDI #0119 2008/09/07



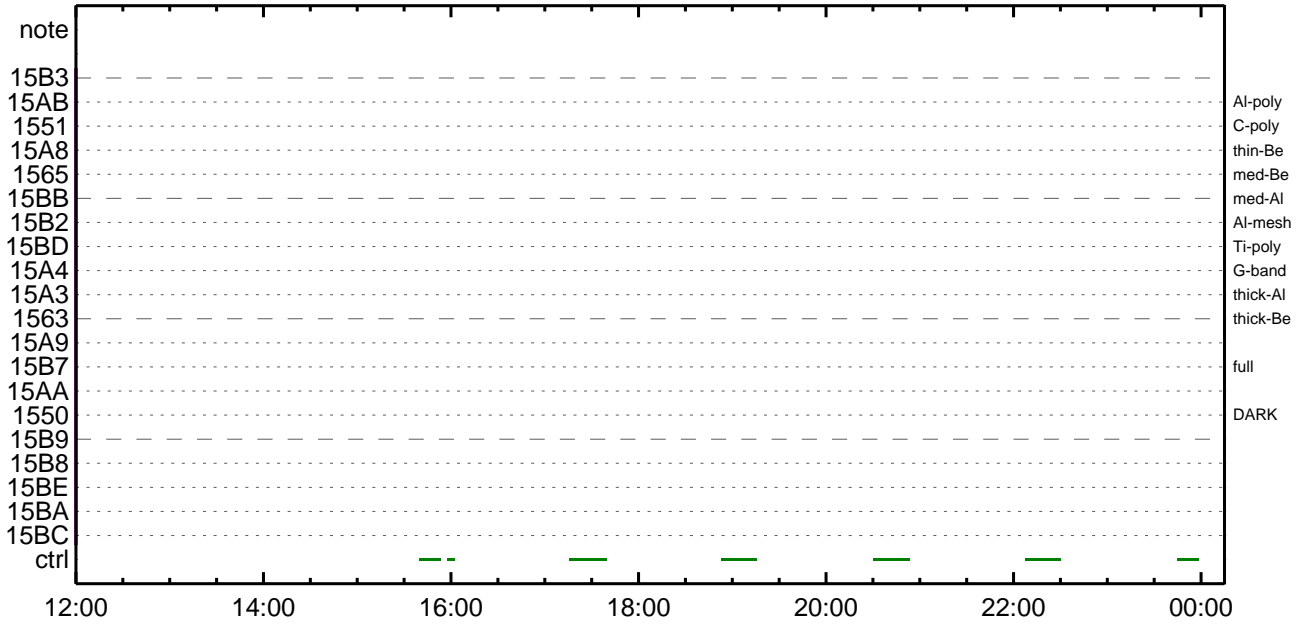
CMDI #0119 2008/09/07



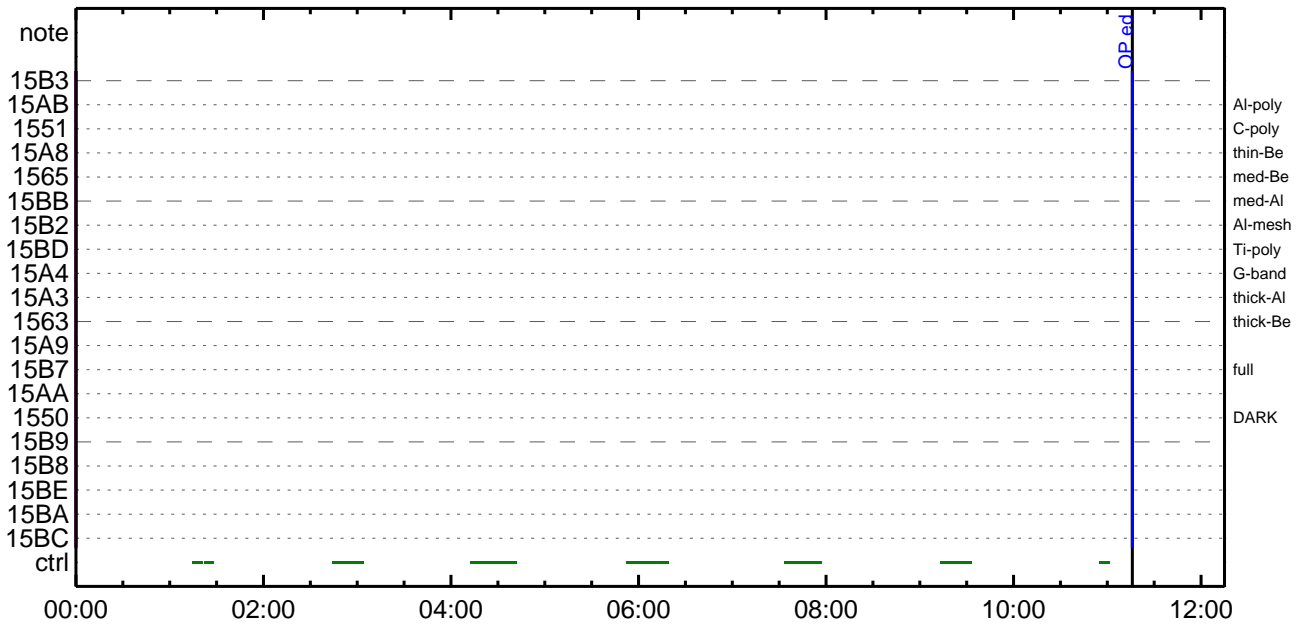
CMDI #0119 2008/09/08



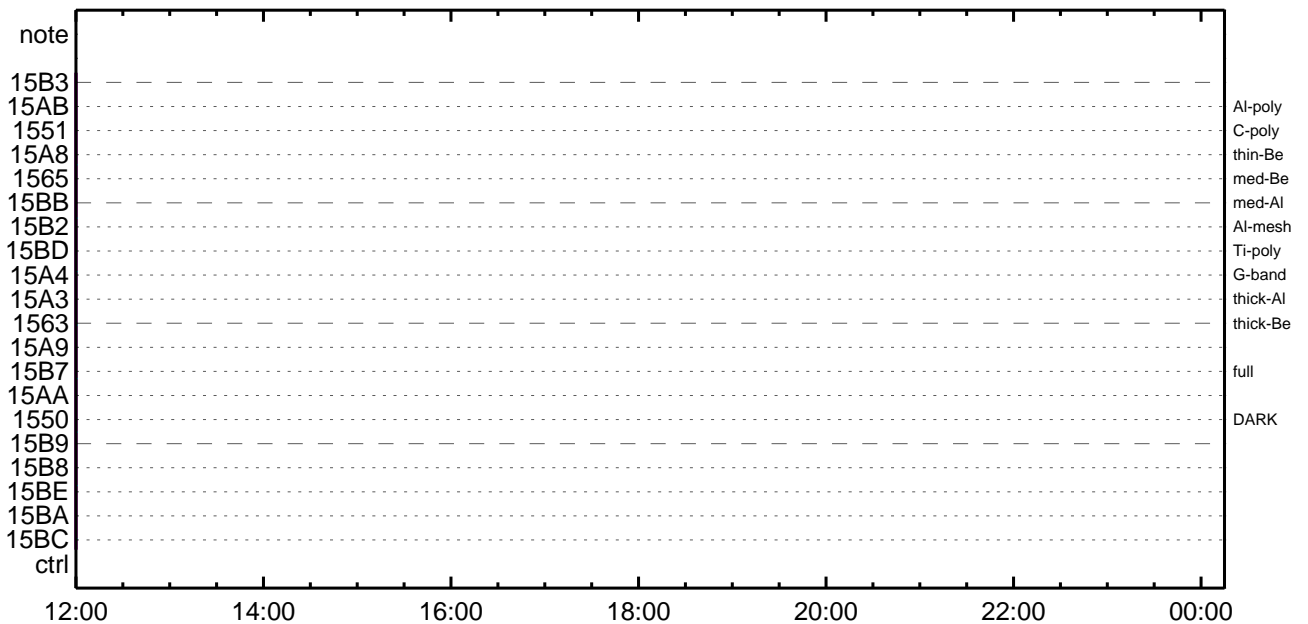
CMDI #0119 2008/09/08



CMDI #0119 2008/09/09



CMDI #0119 2008/09/09





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0096 C.          01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03; E
0097 C.
0098 C. TI 2008-09-04 11:21:00.0
0099 +. TI 2008-09-04 11:21:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.          [ ] [HK1_TI_CMD_NUM]          EQ          1COUNTUP
0102 C.
0103 +. TI 2008-09-04 11:21:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.          [ ] [HK1_TI_CMD_NUM]          EQ          1COUNTUP
0106 C.
0107 +. TI 2008-09-04 11:21:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.          [ ] [HK1_TI_CMD_NUM]          EQ          1COUNTUP
0110 C.
0111 +. TI 2008-09-04 11:25:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.          [ ] [HK1_TI_CMD_NUM]          EQ          1COUNTUP
0114 C.
0115 C.          01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03; E
0116 C.          [ ] [HK1_TI_CMD_ENA/DIS]          EQ          ENA
0117 C.          [ ] [HK1_TI_CMD_NUM]          EQ          4
0118 C.          [ ] [HK1_NEXT_EXEC_PIM]          EQ          DHU
0119 C.          [ ] [HK1_NEXT_EXEC_DC]          EQ          0xB3
0120 C.
0121 C. *****
0122 C. TI 2008-09-04 11:25:59.5
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.          [ ] [HK1_DMP_TOP_ADRS_1]          EQ          07
0129 C.          [ ] [HK1_DMP_TOP_ADRS_0]          EQ          2B
0130 C.          [ ] [HK1_DMP_BLOCK_NUM]          EQ          3
0131 C.          [ ] [HK1_DMP_REPEAT_NUM]          EQ          0
0132 C.          [ ] [HK1_DMA_DMP_PIM]          EQ          DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC          (07 0b f8)
0135 C.          [ ] [HK1_PKT_FORM_NO]          EQ          7
0136 C.          [ ] [HK1_PKT_GEN_TIME]          EQ          0.25 s
0137 C.          [ ] [HK1_S_TLM_BIT_RATE]          EQ          32k
0138 C.          [ ] [HK1_X_TLM_BIT_RATE]          EQ          4M
0139 C.          [ ] [HK1_DMP_CHK_FLG]          EQ          EXEC
0140 C.
0141 C.          01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03; E
0142 C.          [ ] [HK1_DMP_CHK_FLG]          EQ          NON
0143 C.
0144 C. RAM ID=TI_TBL 01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03; E
0145 C.
0146 C. DHU 01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03; E
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC          (02 0a f8)
0149 C.          [ ] [HK1_PKT_FORM_NO]          EQ          2
0150 C.          [ ] [HK1_PKT_GEN_TIME]          EQ          0.5S
0151 C.          [ ] [HK1_S_TLM_BIT_RATE]          EQ          32K
0152 C.          [ ] [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 2008-09-04 11:25:30.0
0161 DC 07-FC EIS_MODE_MANU
0162 BC          (21 02)
0163 +. TI 2008-09-04 11:25:40.0
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. SOT TI command set
0172 C. *****
0173 C. Execute, after the success of OP upload.
0174 +. TI 2008-09-04 11:25:16.0
0175 DC 07-F0 MDP_SOT_MODE_STBY
0176 BC          (41)
0177 C. -----
0178 C.          HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0179 C. -----
0180 C. ***** SOT END *****
0181 C.
0182 C. ***** XRT START *****
0183 C. Execute, after the success of OP upload.
0184 +. TI 2008-09-04 11:25:00.0
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 01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03; E *****
0192 C. (01-03; SET 01-03 DUMP 01-03 01-03 01-03 01-03; E)
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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(a) Spacecraft Operation Procedure (real-commands)

```
main-115 2008-09-04 14:49:25 160 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èø¿øÁø•µ°È»Í×ÁÇøÍYçYÁY×Yí;¼YÉ;ÈÈè%µ•ííÉ;ÈøÈ¼°ÇÓø•ø¿¼í¹çøÍ;çÀ®, ùø¹øÈøÈøÇÁ+¿®ø•øÈøøøøøÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 + DC 07-F0 MDP_XRT_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ? OK / NG____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ? OK / ERR ____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 06 80 80 06 06)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 07 80 80 08 08)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 08 80 80 20 20)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 09 80 80 08 04)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 0a 80 80 10 08)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0f 80 80 06 06)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 10 80 80 04 04)
0054 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0055 BC (c4 0e)
0056 + DC 07-F0 MDP_XRT_ARS_DIS
0057 BC (d5)
0058 + DC 07-F0 MDP_XRT_FLD_DIS
0059 BC (d9)
0060 + DC 07-F0 MDP_XRT_FLRCTRL_DIS
0061 BC (c9)
0062 . C. ----- Success Verify ? OK / NG ____
0063 C.
0064 C.
0065 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0066 C.
0067 +. DC 07-F0 MDP_XRT_MODE_OBSV
0068 BC (c2)
0069 +. DC 07-F0 MDP_XRT_CTRL_AUTO
0070 BC (c0)
0071 +. TI 2008-09-04 11:25:02.0
0072 DC 07-F0 MDP_XRT_MODE_OBSV
0073 BC (c2)
0074 +. TI 2008-09-04 11:25:04.0
0075 DC 07-F0 MDP_XRT_CTRL_AUTO
0076 BC (c0)
0077 . C. ----- Success Verify ? OK / NG ____
0078 C.
0079 C. ***** XRT END *****
0080 . C. *****
0081 C. SOT table upload
0082 C. *****
0083 . C. < Stop FG table >
0084 +. DC 07-F0 MDP_FG_CTRL_MANU
0085 BC (51)
0086 . C. -----
0087 C. MDP_FG_CTRL_MODE = MANU [ ]
0088 C. -----
0089 C.
0090 . C. <Upload FG Observation Table>
0091 . S. RAM ram-269:MDP_OBS_F
0092 ( )
0093 C.
0094 . C. < Dump RAMID=MDP_OBS_F >
0095 +. DC 07-F0 MDP_DUMP_FGTBL
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Sep 04, 08 14:49

XRT\_OGLIST\_0119.chk

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

2008/09/04	11:31:00.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2008/09/04	11:31:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2008/09/04	11:31:22.0	XRT_QT_PROG_SET_412_OG [0x19c]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08		
2008/09/04	11:33:00.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2008/09/04	11:33:02.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2008/09/04	11:33:04.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2008/09/04	11:33:06.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2008/09/04	11:55:00.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2008/09/04	11:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2008/09/04	11:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2008/09/04	12:00:00.0	AOCS_Or-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	00 b1 cb 00 00		
2008/09/04	12:00:16.0	XRT_QT_PROG_SET_425_OG [0x1a9]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03		
2008/09/04	12:01:54.0	XRT_ARS_DIS_422_OG [0x1a6]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2008/09/04	12:01:56.0	XRT_FLD_DIS_445_OG [0x1bd]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2008/09/04	12:01:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2008/09/04	12:02:00.0	XRT_CTRL_AUTO_403_OG [0x193]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2008/09/04	13:30:00.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2008/09/04	17:38:24.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2008/09/04	17:38:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2008/09/04	17:38:30.0	AOCS_Or-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2008/09/04	17:38:46.0	XRT_QT_PROG_SET_409_OG [0x199]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b		
2008/09/04	17:38:48.0	XRT_FLD_DIS_419_OG [0x1a3]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2008/09/04	17:38:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2008/09/04	17:38:52.0	XRT_ARS_DIS_427_OG [0x1ab]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2008/09/04	17:40:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2008/09/04	17:48:30.0	AOCS_Or-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	00 b1 cb 00 00 00		
2008/09/05	05:56:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2008/09/05	05:56:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2008/09/05	05:57:00.0	AOCS_Or-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2008/09/05	05:57:16.0	XRT_QT_PROG_SET_429_OG [0x1ad]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c		
2008/09/05	05:57:18.0	XRT_FLD_DIS_419_OG [0x1a3]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2008/09/05	05:57:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2008/09/05	05:57:22.0	XRT_ARS_DIS_427_OG [0x1ab]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2008/09/05	05:59:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2008/09/05	06:07:00.0	AOCS_Or-point_Start_3_OG [0x099]					
		AOCU_NM	5	02-76	02 00 00 00 00		
2008/09/05	17:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2008/09/05	17:59:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2008/09/05	18:00:00.0	AOCS_Or-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2008/09/05	18:00:16.0	XRT_QT_PROG_SET_409_OG [0x199]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b		
2008/09/05	18:00:18.0	XRT_FLD_DIS_419_OG [0x1a3]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2008/09/05	18:00:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2008/09/05	18:00:22.0	XRT_ARS_DIS_427_OG [0x1ab]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2008/09/05	18:02:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2008/09/05	18:10:00.0	AOCS_Or-point_Start_3_OG [0x099]					
		AOCU_NM	5	02-76	02 00 00 00 00		
2008/09/05	18:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2008/09/05	18:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]					

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2008/09/05	19:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
		AOCU_NM		5	02-76	01	f9	cb	f6 36
2008/09/05	19:00:16.0	XRT_QT_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0d		
2008/09/05	19:01:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2008/09/05	19:01:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2008/09/05	19:01:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2008/09/05	19:02:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/05	20:36:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/05	20:36:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2008/09/05	20:37:00.0	AOCS_ORe-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	01	00	00	00 00
2008/09/05	20:37:16.0	XRT_QT_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0d		
2008/09/05	20:38:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2008/09/05	20:38:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2008/09/05	20:38:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2008/09/05	20:39:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/05	22:14:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/05	22:14:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2008/09/05	22:15:00.0	AOCS_ORe-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	01	08	e5	08 e5
2008/09/05	22:15:16.0	XRT_QT_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0d		
2008/09/05	22:16:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2008/09/05	22:16:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2008/09/05	22:16:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2008/09/05	22:17:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/05	23:15:00.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/06	00:00:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00	b1	cb	00 00
2008/09/06	06:15:24.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/06	06:15:26.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2008/09/06	06:15:30.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00 00
2008/09/06	06:15:46.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c		
2008/09/06	06:15:48.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2008/09/06	06:15:50.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2008/09/06	06:15:52.0	XRT_ARS_DIS_427_OG [0x1ab]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2008/09/06	06:17:30.0	XRT_CTRL_AUTO_444_OG [0x1bc]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/06	06:25:30.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00	b1	cb	00 00
2008/09/06	07:59:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/06	07:59:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2008/09/06	08:00:00.0	AOCS_ORe-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	04	00	00	00 00
2008/09/06	08:00:16.0	XRT_QT_PROG_SET_415_OG [0x19f]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f		
2008/09/06	08:01:54.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2008/09/06	08:01:56.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2008/09/06	08:01:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2008/09/06	08:02:00.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/06	08:59:00.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/06	09:19:30.0	XRT_Custom_430_OG [0x1ae]							
2008/09/06	09:20:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2008/09/06	10:24:00.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2008/09/06	10:40:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00 00