XRT Timeline to be uploaded on 2008/07/08

Period: 2008/07/08 10:48:00 - 2008/07/12 10:34:00

* * * * * **Normal mode** * * * * *

XOB #1578: QS Ti/Poly Al/Mesh Q90 512x512 no loop

Term	Pointing (x, y)	Comment
07/08 11:32:26 - 07/08 17:36:00	Track (97.7, -118.0) @ 07/08 10:58:00	# OP start + 10min QS dynamics Muglach

PROG= 19 Inf.-time(s)

Subr= 1 30-time(s) 2.0sec

Seqn= 68 1-time(s) 60.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	22.6s	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	14.0sec

Seqn= 71 1-time(s) 60.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	14.0sec

Subr= 2 1-time(s) 2.0sec

Seqn= 35 1-time(s) 60.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/G-band	close	Safe	Dark	8.00s	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec

XOB #1562: Synoptic Q90 2x2 - Al/mesh(256/2048) + Dark cal(512 Q98) + Ti-poly(512/5975) + G-band(16)

Term	Pointing (x, y)	Comment
07/08 18:22:30 - 07/08 18:30:24	Fixed (0.0, 0.0)	synoptic, shifted 20.5 min
07/09 06:08:00 - 07/09 06:15:54	Fixed (0.0, 0.0)	synoptic, shifted 6.0 min
07/09 18:02:00 - 07/09 18:09:54	Fixed (0.0, 0.0)	synoptic
07/10 06:21:30 - 07/10 06:29:24	Fixed (0.0, 0.0)	synoptic, shifted 19.5 min

PROG= 16 1-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 38 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec

Seqn= 72 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 64 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec

Seqn= 46 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec

XOB #157C: Polar Plume - Al/Mesh(30s cadence), C/Poly(10min cad) - 512x512-rev

Term	Pointing (x, y)	Comment
07/08 18:33:06 - 07/08 19:14:30	Track (3.3, 775.8) @ 07/08 18:30:30	North polar coronal hole

PROG= 18 Inf.-time(s)

Subr= 1 1-time(s) 600.0sec

Seqn= 15 20-time(s) 30.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	11.3s	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec

Subr= 2 1-time(s) 4.0sec

Seqn= 47 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
C-poly/Open	C-poly/thick-Al	close	Safe	Norm	32.0s	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec

XOB #157D: Thermal analysis 8x8 2048FOV Al/p-C/p-Al/p+Ti/p-Thin/Be-Med/Al-Thick/Al-Thick/Be-no compression

Term	Pointing (x, y)	Comment
07/10 00:10:30 - 07/10 00:20:00	Fixed (0.0, 0.0)	Axions (and large scale hot QS plasma)
07/10 04:50:30 - 07/10 05:33:00	Fixed (0.0, 0.0)	Axions (and large scale hot QS plasma)

PROG= 02 1-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 73 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
C-poly/Open	C-poly/Open	close	Safe	Norm	250ms	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	500ms	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	4.00s	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec

Seqn= 3 3-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
med-Al/Open	med-Al/Open	close	Safe	Norm	32.0s	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec

Seqn= 70 5-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/thick-Al	Open/thick-Al	close	Safe	Norm	64.0s	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec

XOB #155F: Axion_Study_no-AEC_Med-Be-12s

Term	Pointing (x, y)	Comment
07/10 00:20:30 - 07/10 04:50:00	Fixed (0.0, 0.0)	Axions (and large scale hot QS plasma)

PROG= 04 Inf.-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 12 25-time(s) 4.0sec

med-Be/Open	med-Be/Open	close	Safe	Norm	11.3s	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 52 1-time(s) 4.0sec												
med-Be/Open	med-Be/Open	close	Safe	Dark	11.3s	Obs	8x8	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer		Interval

XOB #1563: CCD Monitor During Bakeout - G-band + dark - wide FOV

Term	Pointing (x, y)	Comment
07/10 06:45:10 - 07/10 07:00:10	Track (-56.7, 200.7) @ 07/10 06:29:30	Quiet sun; XRT contanmination monitor. This will be EIS sensitivity curve in next plan.

PROG= 15 Inf.-time(s)												
Subr= 1 1-time(s) 600.0sec												
Seqn= 98 1-time(s) 4.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	44ms	Obs	1x1	2048x256 (1024, 1024)	DPCM	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	44ms	Obs	1x1	2048x256 (1024, 1024)	DPCM	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer		Interval

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

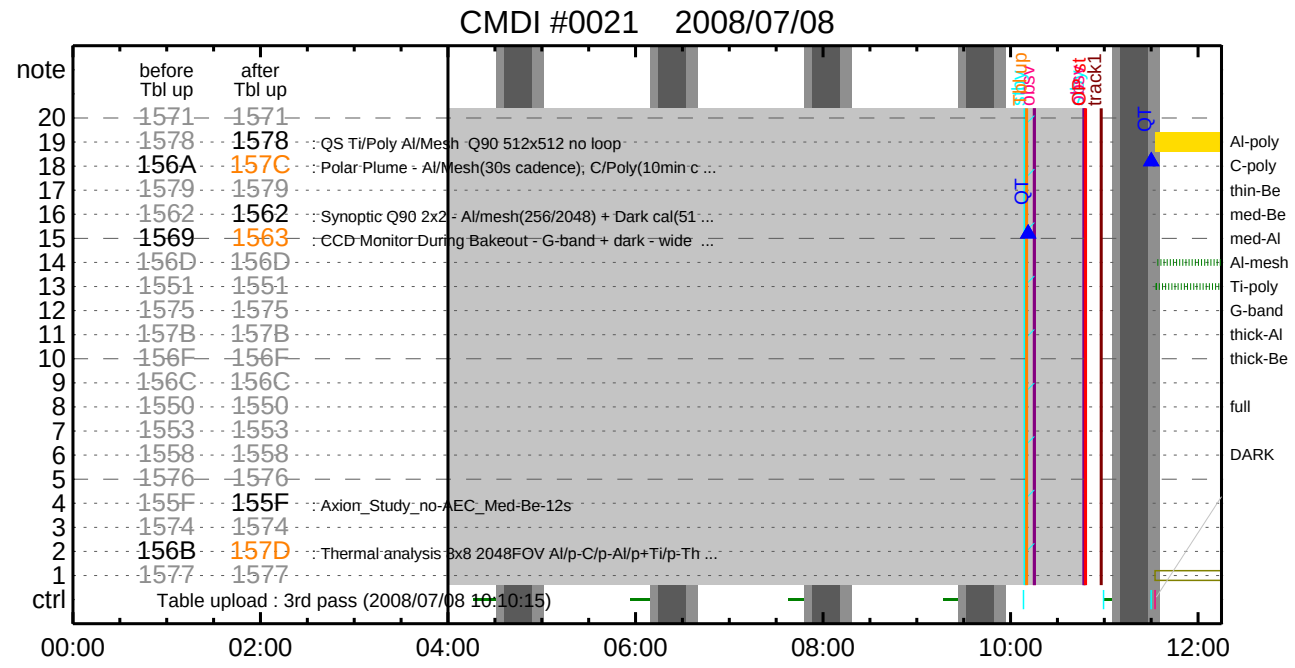
NOT USED

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

NOT USED

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

NOT USED


CMDI #0021 2008/07/08
note
before Tbl up
after Tbl up
20 1571 1571
19 1578 1578 : QS Ti/Poly Al/Mesh Q90 512x512 no loop
18 156A 157C : Polar Plume - Al/Mesh(30s cadence), C/Poly(10min c ...
17 1579 1579
16 1562 1562 : Synoptic Q90 2x2 - Al/mesh(256/2048) + Dark cal(51 ...
15 1569 1563 : CCD Monitor During Bakeout - G-band + dark - wide ...
14 156D 156D
13 1551 1551
12 1575 1575
11 157B 157B
10 156F 156F
9 156C 156C
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7 1553 1553
6 1558 1558
5 1576 1576
4 155F 155F : Axion_Study_no-AEC_Med-Be-12s
3 1574 1574
2 156B 157D : Thermal analysis 8x8 2048FOV Al/p-C/p-Al/p+Ti/p-Th ...
1 1577 1577
ctrl Table upload : 3rd pass (2008/07/08 10:10:15)
TblUp
obsUp
track0
track1
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
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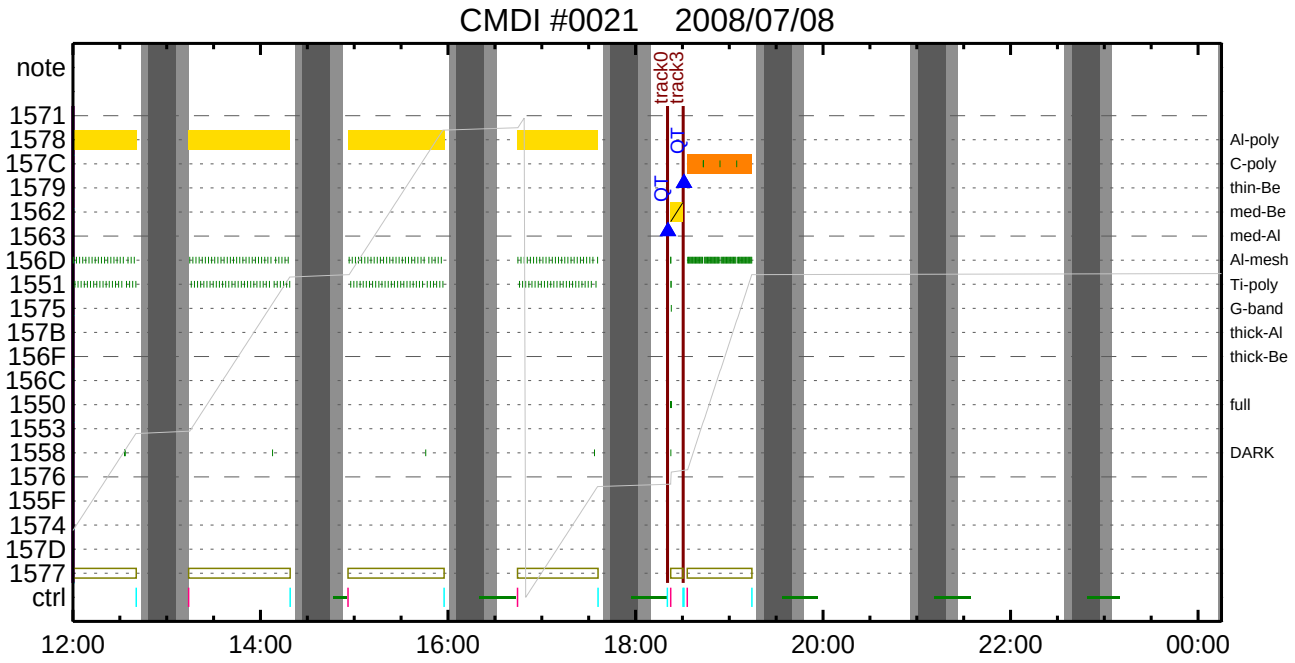
CMDI #0021 2008/07/08
note
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ctrl
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Al-poly
C-poly
thin-Be
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Al-mesh
Ti-poly
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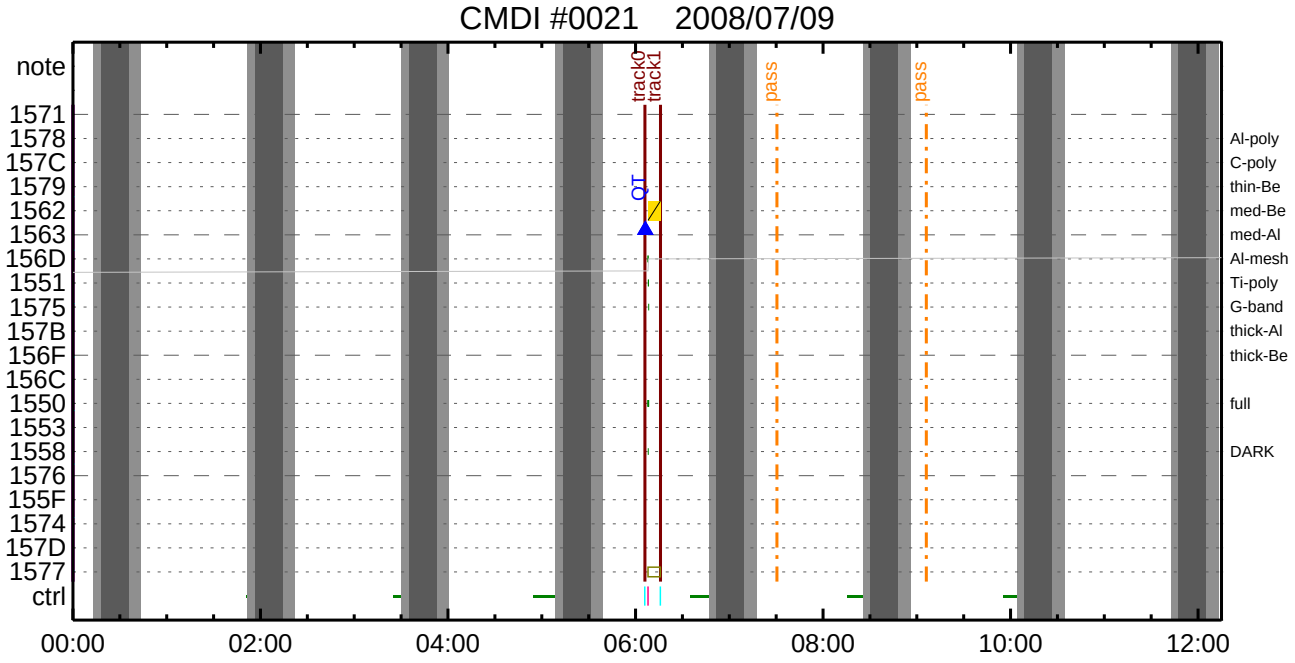
CMDI #0021 2008/07/09
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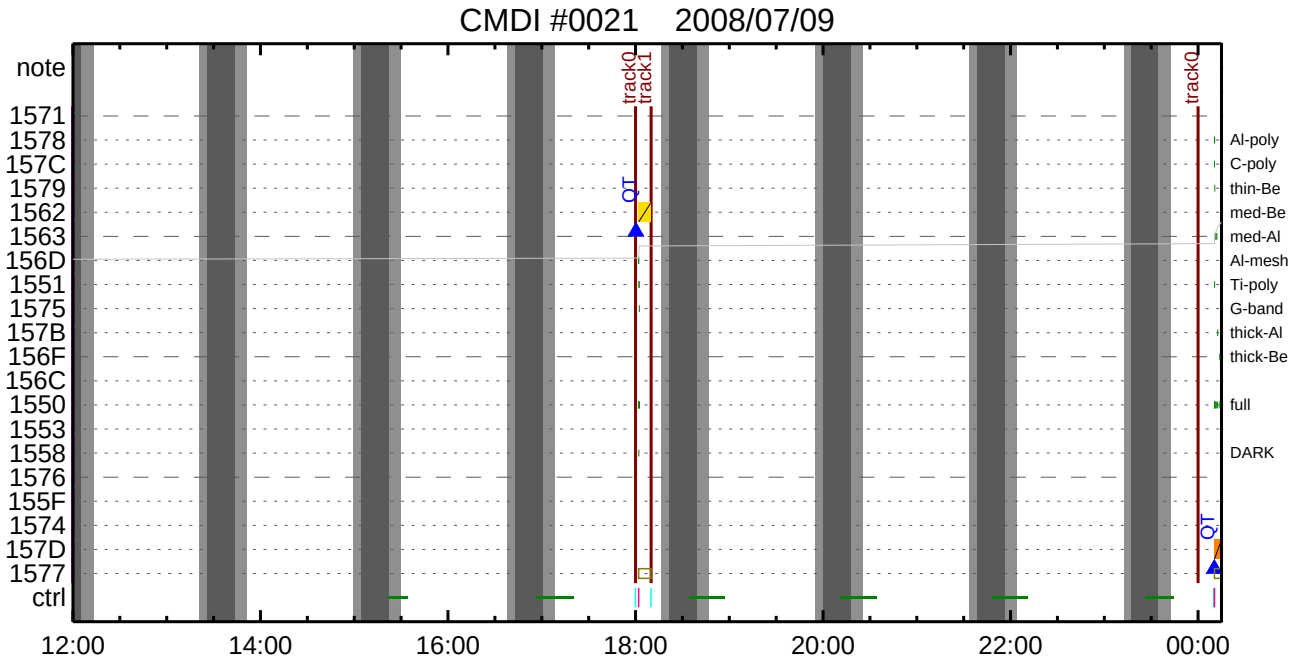
CMDI #0021 2008/07/09
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Al-mesh
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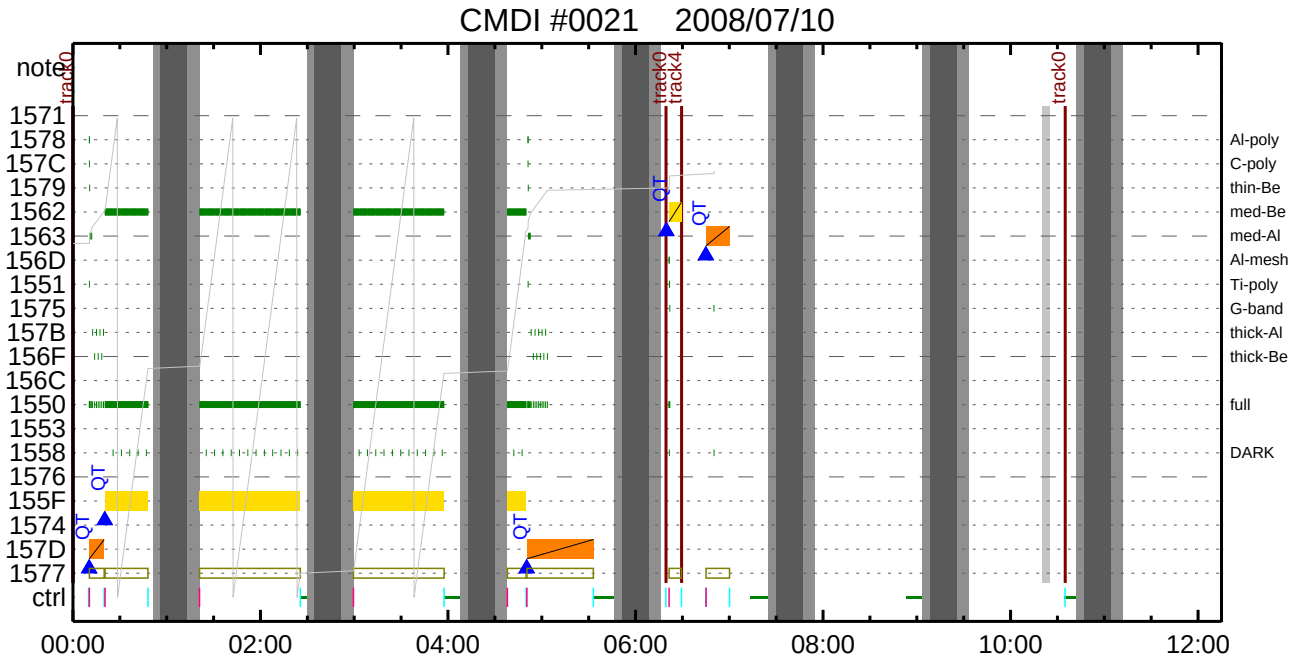
CMDI #0021 2008/07/10
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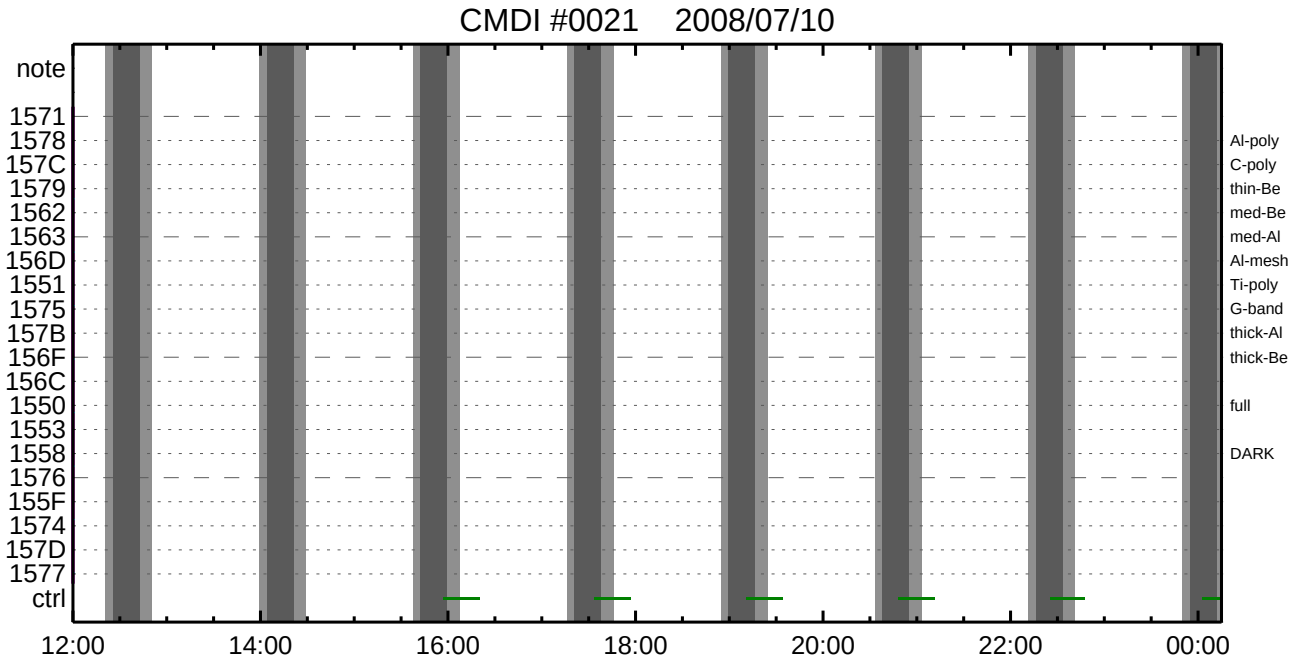
CMDI #0021 2008/07/10
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ctrl
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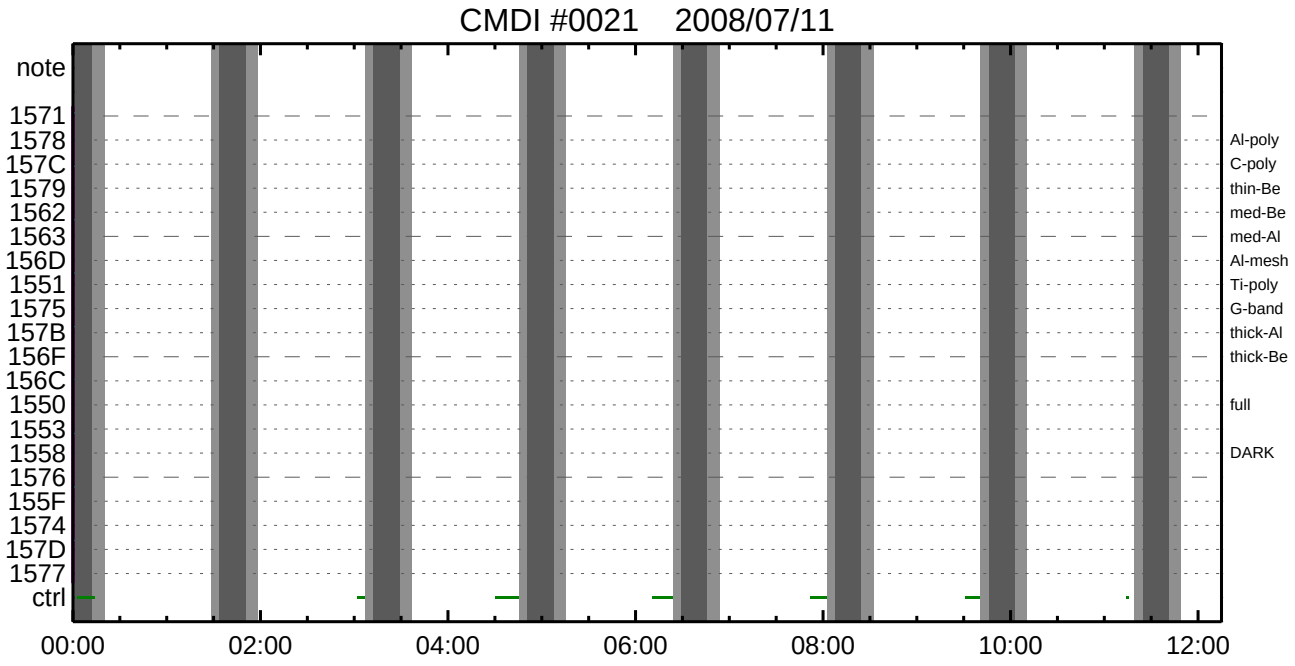
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note
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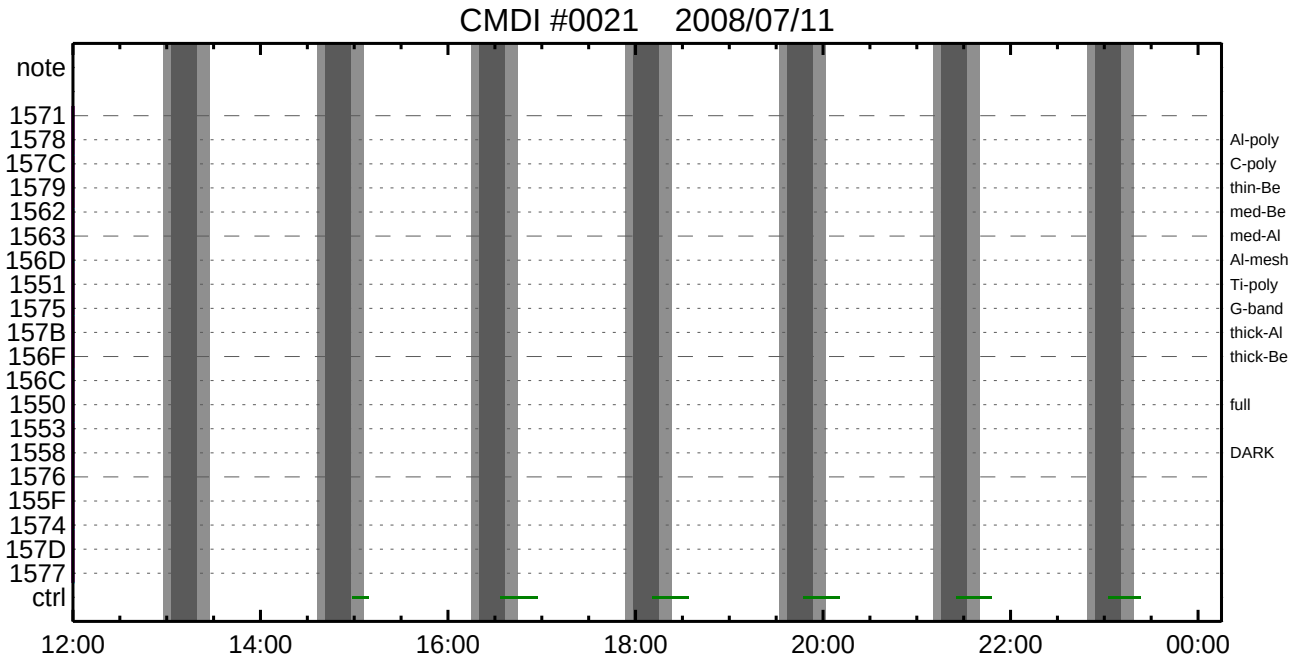
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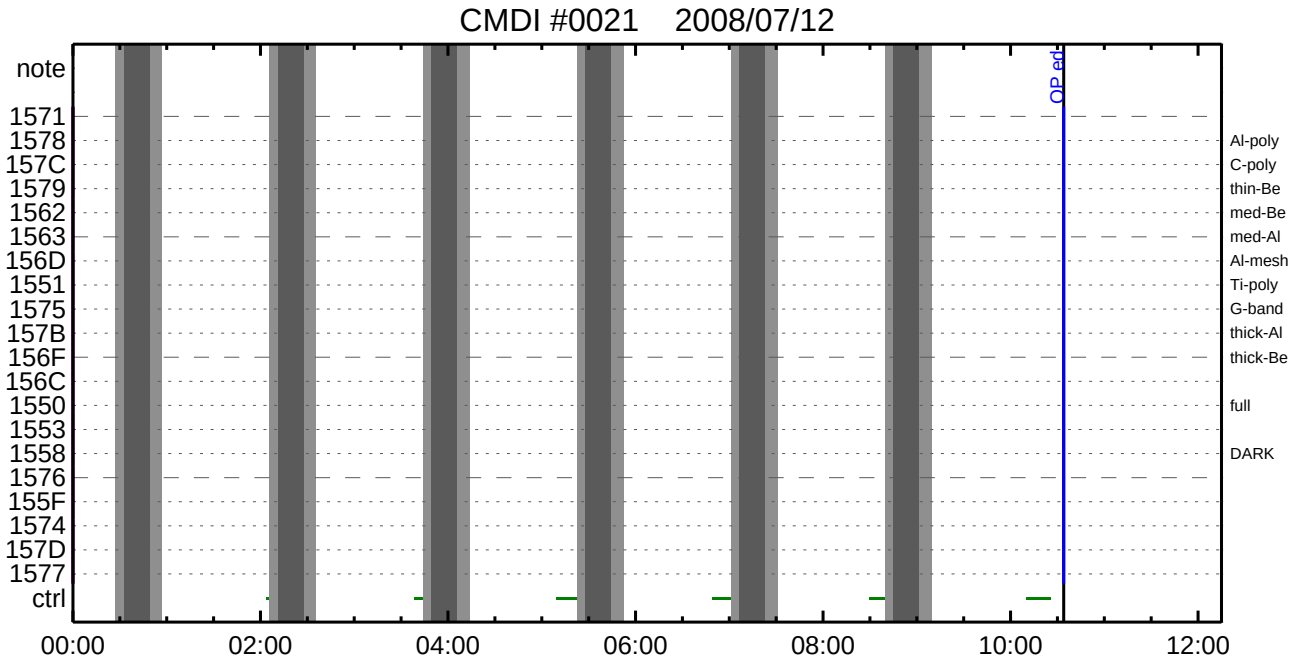
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Al-mesh
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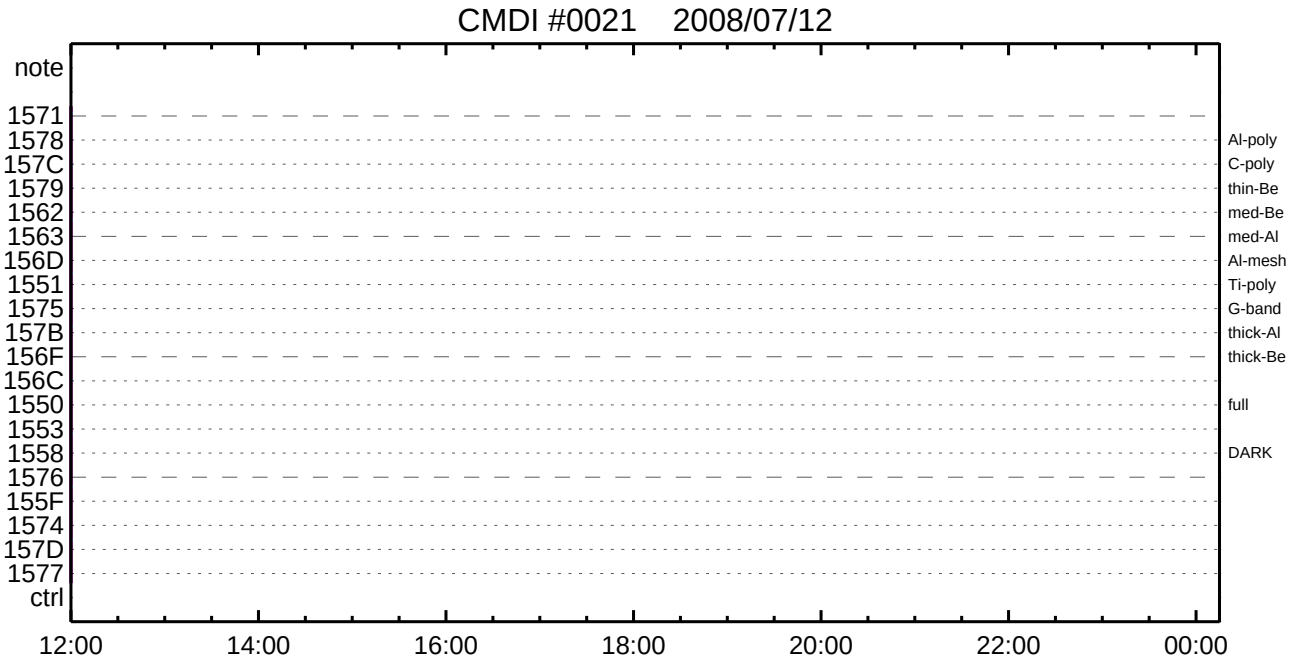
CMDI #0021 2008/07/12
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155F
1574
157D
1577
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
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thick-Be
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```
(a) Spacecraft Operation Procedure (real-commands)

main-972 2008-07-08 12:36:59 205 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007   +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ÊËè½µ•îÍË¡Ë¤Ë¼ºÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ****************************
0015     C. OP/OG¥í¡¼¥É¡¦¥À¥ó¥×
0016     C. ****************************
0017     C.
0018   . C. ¡ãOP/OG¥í¡¼¥É¡ä
0019   . S. OP    op-972:OP
0020     ()
0021   . S. OG    og-972:OG
0022     ()
0023     C.
0024   . C. ¡ãNMOG&OPÎÎ°è¥À¥ó¥×¡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.                       ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     40
0029     C.                       ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0030     C.                       ¢¢[HK1_DMP_BLOCK_NUM]           EQ     127
0031     C.                       ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0032     C.                       ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0033   +. DC 01-22 DHU_MODE_CHNG
0034     BC       (07 0b f8)
0035     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     7
0036     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0037     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0038     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0039     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0040   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0041     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0042   . C. RAM ID=NMOG¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
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.                       ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     41
0048     C.                       ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0049     C.                       ¢¢[HK1_DMP_BLOCK_NUM]           EQ     127
0050     C.                       ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0051     C.                       ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0052   +. DC 01-22 DHU_MODE_CHNG
0053     BC       (07 0b f8)
0054     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     7
0055     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0056     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0057     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0058     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0059   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0060     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0061   . C. RAM ID=NMOG¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0062     C.
0063     C. NMOG(0x210000-0x2100FF¡§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064   +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065     BC       (21 00 41 01 02)
0066     C.                       ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     42
0067     C.                       ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0068     C.                       ¢¢[HK1_DMP_BLOCK_NUM]           EQ     65
0069     C.                       ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0070     C.                       ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0071   +. DC 01-22 DHU_MODE_CHNG
0072     BC       (07 0b f8)
0073     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     7
0074     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0075     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0076     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0077     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0078   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0079     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0080   . C. RAM ID=NMOG,RAM ID=OP¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0081     C.
0082   . C. ***** °Ê²¼¤Ï¾Ã´¶Á°¤ËÉ¬¤ºÁ÷¿® (¾åµ-¥À¥ó¥×¼ê½ç¤òÅÓÃæ¤Ç½ª¤¨¤ë¾ì¹ç¤Ç¤â) *****
0083     C. DHU¥â¡¼¥É¡Ê¼ý¸¥ì¡¼¥È¡Ë¤òÌá¤¹
0084   +. DC 01-22 DHU_MODE_CHNG
0085     BC       (02 0a f8)
0086     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     2
0087     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
0088     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
0089     C.                       ¢¢[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 UPLOAD¤¬Á÷¿®NG¤Î¾ì¹ç¡¢°Ê²¼¤ÎTI-CMDÁ÷¿®¤Ï¼Â¹Ô¤•¤Ê¤¤¤³¤È¡£
```

```
     C.           ¤Þ¤¿¡¢SET¤ÈDUMP¤ÏÆ±°ì¥Ñ¥¹¤Ç¹Ô¤¦¤³¤È¡£
     C.
   . C. TI¥³¥Þ¥ó¥É¤òÅÐÏ¿(UT)
  +. TI 2008-07-08 10:43:00.0
     DC 01-B3 DHU_OP_STOP
     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
     C.
  +. TI 2008-07-08 10:43:01.0
     DC 01-B4 DHU_OP_COPY
     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
     C.
  +. TI 2008-07-08 10:43:01.0
     DC 01-B5 DHU_OPOG_COPY
     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
     C.
  +. TI 2008-07-08 10:47:59.5
     DC 01-B2 DHU_OP_START
     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
     C.
     C. °Ê²¼¤ÏÄê¾ïÍÑ¤Î¥Á¥§¥Ã¥¯¹àÌÜ
     C.                      ¢¢[HK1_TI_CMD_ENA/DIS]          EQ     ENA
     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     4
     C.                      ¢¢[HK1_NEXT_EXEC_PIM]           EQ     DHU
     C.                      ¢¢[HK1_NEXT_EXEC_DC]            EQ     0xB3
     C.
   . C. ****************************
     C. TIÎÎ°è¥À¥ó¥×
     C. ****************************
     C.
     C. TI_TBL(0x03AB00-0x03AEFF¡§ 1024byte)
  +. DC 01-23 DHU_DMA_DMP_PRM_SET
     BC       (03 ab 03 01 02)
     C.                      ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     07
     C.                      ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     2B
     C.                      ¢¢[HK1_DMP_BLOCK_NUM]           EQ     3
     C.                      ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
     C.                      ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
  +. DC 01-22 DHU_MODE_CHNG
     BC       (07 0b f8)
     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     7
     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
     C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
     C.
   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
     C.
   . C. RAM ID=TI_TBL¤Î¾È¹ç·ë²ÌOK¤ò³ÎÇ§
     C.
   . C. DHU¥â¡¼¥É¡Ê¼ý½¸¥ì¡¼¥È¡Ë¤òÌá¤¹
  +. DC 01-22 DHU_MODE_CHNG
     BC       (02 0a f8)
     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     2
     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
     C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
     C.
   . C. Stop EIS observation and temporarily disable EIS mode changes
     C.
     C.
     C. ********** Start EIS operation (TI set) **********
     C. Execute, after the success of OP upload.
     C. Set EIS TI-commands
  +. TI 2008-07-08 10:47:30.0
     DC 07-FC EIS_MODE_MANU
     BC       (21 02)
  +. TI 2008-07-08 10:47:40.0
     DC 07-FC EIS_MODE_CHG_DIS
     BC       (22)
   . C.                       [   ]  [HK1_TI_CMD_NUM]     EQ    2 COUNTUP
     C. *********** End EIS operation (TI set) ***********
     C.
     C.
     C. ********************************
     C.  SOT TI command set
     C. ********************************
     C. Execute, after the success of OP upload.
  +. TI 2008-07-08 10:47:16.0
     DC 07-F0 MDP_SOT_MODE_STBY
     BC       (41)
   . C. ------------------------------------
     C.   HK1_TI_CMD_NUM       = 1 CNTUP [ ]
     C. ------------------------------------
     C. ************ SOT END ***********
     C.
     C. ************ XRT START ***********
     C. Execute, after the success of OP upload.
  +. TI 2008-07-08 10:47:00.0
     DC 07-F0 MDP_XRT_MODE_STBY
     BC       (c3)
   . C.                       [   ]  [HK1_TI_CMD_NUM]     EQ    1COUNTUP
     C.
     C. ************ XRT END ***********
     C.
   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC·×²è *****
     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
   . S. DC-BC dcbc-402:DCBC
```

```
0194     (MDP_known_event)
0195     C.
0196     C.
0197   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0198   . S. DC-BC dcbc-153:DCBC
0199     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200     C.
0201     C.
0202   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0203     C.
0204   . C. ********** LOS **********
0205     C.
```

```
(a) Spacecraft Operation Procedure (real-commands)

main-973 2008-07-08 12:37:00 249 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007   +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ËËè½µ•îÍË¡Ë¤Ë¼ºÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ****************************
0015     C. XÁ÷¿®µ¡ON
0016     C. ****************************
0017     C. ¢¨ ºÆÀ¸ Í×ÈÝ¤äLOS¤Þ¤ÇºÎ»Þ´Ö¤ò¹ÍÎ¸ ¤•¡¢ÉÔÍ×¤ÊXÂÓON¤Ï¹Ô¤Ê¤ï¤Ê¤¤¤³¤È¡£
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.                      ¢¢[HK1_XPA_ON/OFF]              EQ     ON
0025     C.                      ¢¢[HK1_XPA_PWR_HI/LO]           EQ     HI
0026     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     ON
0027     C.                      ¢¢[HK1_XMOD_QPSK/PM]            EQ     QPSK
0028     C.
0029   . C. X¥Ð¥ó¥É¥í¥Ã¥¯¾õÂÖ¤¬°ÂÄê¤•¤¿¤é¡¢°Ê²¼¤ÎºÆÀ¸ ¼ê½ç¤ò¼Â¹Ô¤¹¤ë¡£
0030     C.
0031   . C. ***************
0032     C. DR PT1 ÄÌ¾ïºÆÀ¸
0033     C. ***************
0034     C. ¢¨ RESTART¡ÊPT1¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢DCBC-150¤Ø¿Ê¤à¡£
0035     C.
0036   . C. ¡ãPT1ºÆÀ¸ ³«»Ï¡ä
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.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0043     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0044     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0045     C.
0046   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Äº²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0047   +. DC 06-B3 DR_REP_START
0048   +  DC 01-32 DHU_X_VC4_ON
0049     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0050     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0051     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0052     C.
0053     C.
0054   . C. PT1ºÆÀ¸ ¤¬¼«Æ°Ää»ß¤•¤¿¸å¡¢¢°Ê²¼¤ò¼Â¹Ô¤¹¤ë¡£
0055     C. ¥¢¥ó¥Æ¥ÈÀÚÂØ¤äÅ•Äº²óÈò¤¬¶á¤¤¾ì¹ç¤Ï´°Î»¤¹¤ë¤Þ¤ÇÂÔ¤Ä¡£
0056     C.
0057   . C. ***************
0058     C. DR PT2 ÄÌ¾ïºÆÀ¸
0059     C. ***************
0060     C. ¢¨ RESTART¡ÊPT2¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢DCBC-151¤Ø¿Ê¤à¡£
0061     C.
0062   . C. ¡ãPT2ºÆÀ¸ ³«»Ï¡ä
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.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0069     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0070     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0071     C.
0072   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Äº²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0073   +. DC 06-B3 DR_REP_START
0074   +  DC 01-32 DHU_X_VC4_ON
0075     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0076     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0077     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0078     C.
0079   . C. ****************************
0080     C. DRºÆÀ¸ Ää»ß¡¢XÁ÷¿®µ¡OFF
0081     C. ****************************
0082     C.
0083   . C. ¡ãDRºÆÀ¸ Ää»ß¡ä
0084   +. DC 06-B4 DR_REP_STOP
0085   +  DC 01-29 DHU_S/X_VC4_OFF
0086     C.                      ¢¢[HK1_REP_STA/STP]             EQ     STOP
0087     C.                      ¢¢[HK1_S_VC4_ON/OFF]            EQ     OFF
0088     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     OFF
0089     C.
0090   . C. ¡ãXÁ÷¿®µ¡OFF¡ä
0091   +. DC 03-85 TCIA_XMOD_OFF
0092     M. WAIT_SEC   1
0093   +  DC 03-B5 TCIA_XPA_OFF
0094     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     OFF
0095     C.                      ¢¢[HK1_XPA_ON/OFF]              EQ     OFF
```

```
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 = 5843804.6 +- 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 17s
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 2008-07-08 10:47:50.0
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.  SOT table upload
0162     C. ********************************
0163   . C. < Stop FG table >
0164   +. DC 07-F0 MDP_FG_CTRL_MANU
0165     BC       (51)
0166   . C. ------------------------------------
0167     C.  MDP_FG_CTRL_MODE      = MANU    [ ]
0168     C. ------------------------------------
0169     C.
0170   . C. <Upload FG Observation Table>
0171   . S. RAM   ram-263:MDP_OBS_F
0172     ()
0173     C.
0174   . C. < Dump RAMID=MDP_OBS_F >
0175   +. DC 07-F0 MDP_DUMP_FGTBL
0176     BC       (82 07 00 00 00 38 b8)
0177     C. ------------------------------------
0178     C.  MDP_OBS_F verify = OK/NG        [ ]
0179     C. ------------------------------------
0180     C.
0181   . C. < Stop SP table >
0182   +. DC 07-F0 MDP_SP_CTRL_MANU
0183     BC       (61)
0184     C. ------------------------------------
0185     C.  MDP_SP_CTRL_MODE      = MANU    [ ]
0186     C. ------------------------------------
0187     C.
0188   . C. <Upload SP Observation Table>
0189   . S. RAM   ram-289:MDP_OBS_S
0190     ()
0191     C.
0192   . C. < Dump RAMID=MDP_OBS_S >
0193   +. DC 07-F0 MDP_DUMP_SPTBL
```

```
0194     BC       (83 07 00 00 00 38 b8)
0195     C. ------------------------------------
0196     C.  MDP_OBS_S verify = OK/NG        [ ]
0197     C. ------------------------------------
0198     C.
0199   . C. < Upload DPL table >
0200     C.
0201     C. ¥¢¥Ã¥×¥í¡¼¥É¤ÎÁ°¤ËSTS_CHK¤òOFF¤Ë¤¹¤ë
0202     C.
0203   . S. RAM   ram-271:MDP_DPL
0204     ()
0205     C.
0206   . C. < Dump RAMID=MDP_DPL >
0207   +. DC 07-F0 MDP_DUMP_FGTBL
0208     BC       (82 07 00 38 b8 00 40)
0209     C. ------------------------------------
0210     C.  MDP_DPL verify          = OK    [ ]
0211     C. ------------------------------------
0212     C.
0213     C. STS_CHK¤òON¤Ë¤¹¤ë
0214     C.
0215   . C. < Update MDP DSC PAR1 >
0216   +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0217     BC       (4c)
0218     C.  MDP_CMD_CODE          = F04C0700[ ]
0219     C.  MDP_CMD_CNT        (count-up 1) [ ]
0220     C. ------------------------------------
0221     C.
0222   . C.
0223     C. ******************************
0224     C.  SOT TI command set
0225     C. ******************************
0226     C. Execute, after the success of TBL upload.
0227   +. TI 2008-07-08 10:47:18.0
0228     DC 07-F0 MDP_SOT_MODE_OBSV
0229     BC       (40)
0230   . C. ------------------------------------
0231     C.   HK1_TI_CMD_NUM       = 1 CNTUP [ ]
0232     C. ------------------------------------
0233     C.
0234     C.
0235   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0236     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0237   . S. DC-BC dcbc-402:DCBC
0238     (MDP_known_event)
0239     C.
0240     C.
0241   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0242   . S. DC-BC dcbc-153:DCBC
0243     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0244     C.
0245     C.
0246   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0247     C.
0248   . C. ********** LOS **********
0249     C.
```

```
(a) Spacecraft Operation Procedure (real-commands)

main-974 2008-07-08 12:37:00 170 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007   +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ËËè½µ•îÍË¡Ë¤Ë¼ºÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ****************************
0015     C. XÁ÷¿®µ¡ON
0016     C. ****************************
0017     C. ¢¨ ºÆÀ¸ Í×ÈÝ¤äLOS¤Þ¤ÇºÎ»Þ´Ö¤ò¹ÍÎ¸ ¤•¡¢ÉÔÍ×¤ÊXÂÓON¤Ï¹Ô¤Ê¤ï¤Ê¤¤¤³¤È¡£
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.                      ¢¢[HK1_XPA_ON/OFF]              EQ     ON
0025     C.                      ¢¢[HK1_XPA_PWR_HI/LO]           EQ     HI
0026     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     ON
0027     C.                      ¢¢[HK1_XMOD_QPSK/PM]            EQ     QPSK
0028     C.
0029   . C. X¥Ð¥ó¥É¥í¥Ã¥¯¾õÂÖ¤¬°ÂÄê¤•¤¿¤é¡¢°Ê²¼¤ÎºÆÀ¸ ¼ê½ç¤ò¼Â¹Ô¤¹¤ë¡£
0030     C.
0031   . C. ***************
0032     C. DR PT1 ÄÌ¾ïºÆÀ¸
0033     C. ***************
0034     C. ¢¨ RESTART¡ÊPT1¡Ë¤•¤¿¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢¢DCBC-150¤Ø¿Ê¤à¡£
0035     C.
0036   . C. ¡ãPT1ºÆÀ¸ ³«»Ï¡ä
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.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0043     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0044     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0045     C.
0046   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Äº²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0047   +. DC 06-B3 DR_REP_START
0048   +  DC 01-32 DHU_X_VC4_ON
0049     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0050     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0051     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0052     C.
0053     C.
0054   . C. PT1ºÆÀ¸ ¤¬¼«Æ°Ää»ß¤•¤¿¸å¡¢¢Ê²¼¤ò¼Â¹Ô¤¹¤ë¡£
0055     C. ¥¢¥ó¥Æ¥ÈÀÚÂØ¤äÅ•Äº²óÈò¤¬¶á¤¤¾ì¹ç¤Ï´°Î»¤¹¤ë¤Þ¤ÇÂÔ¤Ä¡£
0056     C.
0057   . C. ***************
0058     C. DR PT2 ÄÌ¾ïºÆÀ¸
0059     C. ***************
0060     C. ¢¨ RESTART¡ÊPT2¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢¢DCBC-151¤Ø¿Ê¤à¡£
0061     C.
0062   . C. ¡ãPT2ºÆÀ¸ ³«»Ï¡ä
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.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0069     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0070     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0071     C.
0072   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Äº²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0073   +. DC 06-B3 DR_REP_START
0074   +  DC 01-32 DHU_X_VC4_ON
0075     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0076     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0077     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0078     C.
0079   . C. ****************************
0080     C. DRºÆÀ¸ Ää»ß¡¢XÁ÷¿®µ¡OFF
0081     C. ****************************
0082     C.
0083   . C. ¡ãDRºÆÀ¸ Ää»ß¡ä
0084   +. DC 06-B4 DR_REP_STOP
0085   +  DC 01-29 DHU_S/X_VC4_OFF
0086     C.                      ¢¢[HK1_REP_STA/STP]             EQ     STOP
0087     C.                      ¢¢[HK1_S_VC4_ON/OFF]            EQ     OFF
0088     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     OFF
0089     C.
0090   . C. ¡ãXÁ÷¿®µ¡OFF¡ä
0091   +. DC 03-85 TCIA_XMOD_OFF
0092     M. WAIT_SEC   1
0093   +  DC 03-B5 TCIA_XPA_OFF
0094     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     OFF
0095     C.                      ¢¢[HK1_XPA_ON/OFF]              EQ     OFF
```

```
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 06 80 80 08 08)
0126  +  DC 07-F0 MDP_XRT_ROI_SET
0127     BC       (cd 07 80 80 20 20)
0128  +  DC 07-F0 MDP_XRT_ROI_SET
0129     BC       (cd 08 80 80 20 04)
0130  +  DC 07-F0 MDP_XRT_ROI_SET
0131     BC       (cd 0f 80 80 06 06)
0132  +  DC 07-F0 MDP_XRT_ROI_SET
0133     BC       (cd 10 80 80 04 04)
0134  +. DC 07-F0 MDP_XRT_QT_PROG_SET
0135     BC       (c4 10)
0136  +  DC 07-F0 MDP_XRT_FLD_DIS
0137     BC       (d9)
0138  +  DC 07-F0 MDP_XRT_FLRCTRL_DIS
0139     BC       (c9)
0140  +  DC 07-F0 MDP_XRT_ARS_DIS
0141     BC       (d5)
0142   . C. ---------- Success Verify ?           OK / NG ____
0143     C.
0144     C.
0145   . C. All OK?   Yes--> Please Proceed. / No --> Stop here.
0146     C.
0147  +. DC 07-F0 MDP_XRT_MODE_OBSV
0148     BC       (c2)
0149  +. TI 2008-07-08 10:47:02.0
0150     DC 07-F0 MDP_XRT_MODE_OBSV
0151     BC       (c2)
0152   . C. ---------- Success Verify ?           OK / NG ____
0153     C.
0154     C. ************ XRT END ***********
0155     C.
0156   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0157     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0158   . S. DC-BC dcbc-402:DCBC
0159     (MDP_known_event)
0160     C.
0161     C.
0162   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0163   . S. DC-BC dcbc-153:DCBC
0164     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0165     C.
0166     C.
0167   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0168     C.
0169   . C. ********** LOS **********
0170     C.
```

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*** OP Sequence for XRT ***

2008/07/08  10:58:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM               5 02-76 01 00 00 00 00
2008/07/08  10:59:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/07/08  11:30:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/07/08  11:30:02.0  XRT_QT_PROG_SET_438_OG [0x1b6]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 13
2008/07/08  11:32:00.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                XRT_FOCUS_POSITION    4 07-F8 22 fe 97 00
2008/07/08  11:32:20.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2008/07/08  11:32:22.0  XRT_FLD_DIS_445_OG [0x1bd]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2008/07/08  11:32:24.0  XRT_FLRCTRL_DIS_416_OG [0x1a0]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2008/07/08  11:32:26.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/07/08  12:40:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/07/08  13:06:00.0  XRT_Custom_421_OG [0x1a5]
2008/07/08  13:14:00.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/07/08  14:19:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/07/08  14:55:00.0  XRT_Custom_430_OG [0x1ae]
2008/07/08  14:56:00.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/07/08  15:57:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/07/08  16:43:30.0  XRT_Custom_430_OG [0x1ae]
2008/07/08  16:44:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/07/08  17:36:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/07/08  18:20:24.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/07/08  18:20:26.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                XRT_FOCUS_POSITION    4 07-F8 22 ff aa 00
2008/07/08  18:20:30.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM               5 02-76 00 00 00 00 00
2008/07/08  18:20:46.0  XRT_QT_PROG_SET_420_OG [0x1a4]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 10
2008/07/08  18:20:48.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2008/07/08  18:20:50.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2008/07/08  18:20:52.0  XRT_ARS_DIS_427_OG [0x1ab]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2008/07/08  18:22:30.0  XRT_CTRL_AUTO_444_OG [0x1bc]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/07/08  18:30:24.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/07/08  18:30:30.0  AOCS_ORe-point_Start_3_OG [0x099]
                                AOCU_NM               5 02-76 03 00 00 00 00
2008/07/08  18:31:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/07/08  18:31:02.0  XRT_QT_PROG_SET_424_OG [0x1a8]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 12
2008/07/08  18:32:40.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                XRT_FOCUS_POSITION    4 07-F8 22 fe 97 00
2008/07/08  18:33:00.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2008/07/08  18:33:02.0  XRT_FLD_DIS_445_OG [0x1bd]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2008/07/08  18:33:04.0  XRT_FLRCTRL_DIS_416_OG [0x1a0]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2008/07/08  18:33:06.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/07/08  19:14:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/07/09  06:05:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/07/09  06:05:56.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                XRT_FOCUS_POSITION    4 07-F8 22 ff aa 00
2008/07/09  06:06:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM               5 02-76 00 00 00 00 00
2008/07/09  06:06:16.0  XRT_QT_PROG_SET_420_OG [0x1a4]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 10
2008/07/09  06:06:18.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2008/07/09  06:06:20.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2008/07/09  06:06:22.0  XRT_ARS_DIS_427_OG [0x1ab]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2008/07/09  06:08:00.0  XRT_CTRL_AUTO_444_OG [0x1bc]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/07/09  06:15:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/07/09  06:16:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM               5 02-76 01 00 00 00 00
```

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2008/07/09  17:59:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/09  17:59:56.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2008/07/09  18:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2008/07/09  18:00:16.0  XRT_QT_PROG_SET_420_OG [0x1a4]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 10
2008/07/09  18:00:18.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2008/07/09  18:00:20.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2008/07/09  18:00:22.0  XRT_ARS_DIS_427_OG [0x1ab]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2008/07/09  18:02:00.0  XRT_CTRL_AUTO_444_OG [0x1bc]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/07/09  18:09:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/09  18:10:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM              5 02-76 01 00 00 00 00
2008/07/10  00:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2008/07/10  00:10:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/10  00:10:02.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2008/07/10  00:10:22.0  XRT_QT_PROG_SET_414_OG [0x19e]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2008/07/10  00:10:24.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2008/07/10  00:10:26.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2008/07/10  00:10:28.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2008/07/10  00:10:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/07/10  00:20:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/10  00:20:02.0  XRT_FOCUS_POSITION_401_OG [0x191]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2008/07/10  00:20:22.0  XRT_QT_PROG_SET_446_OG [0x1be]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 04
2008/07/10  00:20:24.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2008/07/10  00:20:26.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2008/07/10  00:20:28.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2008/07/10  00:20:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/07/10  00:48:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/10  01:13:00.0  XRT_Custom_421_OG [0x1a5]
2008/07/10  01:21:00.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/07/10  02:25:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/10  02:51:30.0  XRT_Custom_421_OG [0x1a5]
2008/07/10  02:59:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/07/10  03:57:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/10  04:30:00.0  XRT_Custom_421_OG [0x1a5]
2008/07/10  04:38:00.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/07/10  04:50:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/10  04:50:02.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2008/07/10  04:50:22.0  XRT_QT_PROG_SET_414_OG [0x19e]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2008/07/10  04:50:24.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2008/07/10  04:50:26.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2008/07/10  04:50:28.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2008/07/10  04:50:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/07/10  05:33:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/10  06:19:24.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/10  06:19:26.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2008/07/10  06:19:30.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2008/07/10  06:19:46.0  XRT_QT_PROG_SET_420_OG [0x1a4]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 10
2008/07/10  06:19:48.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2008/07/10  06:19:50.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
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2008/07/10  06:19:52.0  XRT_ARS_DIS_427_OG [0x1ab]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2008/07/10  06:21:30.0  XRT_CTRL_AUTO_444_OG [0x1bc]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/07/10  06:29:24.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/10  06:29:30.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                AOCU_NM              5 02-76 04 00 00 00 00
2008/07/10  06:45:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/10  06:45:02.0  XRT_QT_PROG_SET_415_OG [0x19f]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0f
2008/07/10  06:45:04.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2008/07/10  06:45:06.0  XRT_FLD_DIS_445_OG [0x1bd]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2008/07/10  06:45:08.0  XRT_FLRCTRL_DIS_416_OG [0x1a0]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2008/07/10  06:45:10.0  XRT_CTRL_AUTO_406_OG [0x196]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/07/10  07:00:10.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/10  10:34:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/07/10  10:35:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
```