XRT Timeline to be uploaded on 2008/08/21

Period: 2008/08/21 10:34:00 - 2008/08/25 10:08:00

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

XOB #15B7: XBP Q95 Al/poly (AEC4) + Ti/poly (AEC4) + Thin-Be (AEC0)- med cadence -FOV512

Term	Pointing (x, y)	Comment
08/21 11:05:06 - 08/21 12:21:00	Track (-4.4, -8.1) @ 08/21 10:44:00	# OP start + 10min, HOP 74, with SST.
08/22 08:25:06 - 08/22 11:09:54	Track (-29.4, -7.9) @ 08/22 08:00:00	HOP 74, with SST.
08/23 08:02:00 - 08/23 10:07:00	Track (-29.4, -7.9) @ 08/23 08:00:00	HOP 74, with SST.

PROG= 08 Inf.-time(s)

Subr= 1 1-time(s) 120.0sec

Seqn= 77 10-time(s) 60.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
thin-Be/Open	thin-Be/Open	close	Safe	Norm	64.0s	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec

XOB #15AE: CH - Al/Mesh (16s) + Ti/Poly (32s) - 512x512 - Q95 - with half-res. full frame

Term	Pointing (x, y)	Comment
08/21 12:43:06 - 08/21 17:55:54	Fixed (0.0, 922.0)	* N pole (EIS Peter Young density, etc.).

PROG= 15 Inf.-time(s)

Subr= 1 1-time(s) 12.0sec

Seqn= 87 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	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

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= 76 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	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

Subr= 2 3-time(s) 1200.0sec

Seqn= 79 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/Al-mesh	close	Safe	Dark	16.0s	Obs	1x1	512x512 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 2 10-time(s) 120.0sec

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	16.0s	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	0.5sec
Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	32.0s	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec

XOB #15B3: Synoptic Q95 2x2 - Al/poly(1024/11571) + Dark cal(512 Q98) + Ti-poly(2048/23142) + G-band(16)

Term	Pointing (x, y)	Comment
08/21 17:58:00 - 08/21 18:05:54	Fixed (0.0, 0.0)	synoptic, shifted -4.0 min
08/22 17:46:00 - 08/22 17:53:54	Fixed (0.0, 0.0)	synoptic, shifted -16.0 min

PROG= 20 1-time(s)

Subr= 1 1-time(s) 12.0sec

Seqn= 6 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/thick-Al	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	11.3s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	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= 89 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	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	22.6s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Seqn= 92 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=95	0	0	2.0sec

XOB #15B4: Synoptic Q95 2x2 - Al/mesh(1024/11571) + Dark cal(512 Q98) + Ti-poly(2048/23142) + G-band(16)

Term	Pointing (x, y)	Comment
08/22 05:43:00 - 08/22 05:50:54	Fixed (0.0, 0.0)	synoptic, shifted -19.0 min
08/23 06:02:00 - 08/23 06:09:54	Fixed (0.0, 0.0)	synoptic

PROG= 03 1-time(s)

Subr= 1 1-time(s) 12.0sec

Seqn= 23 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	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	11.3s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	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= 89 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	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	22.6s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Seqn= 92 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=95	0	0	2.0sec

XOB #15B2: XBP Q90 Al/poly (AEC4) + Ti/poly (AEC4) + Thin-Be (AEC0)-high cadence

Term	Pointing (x, y)	Comment
08/22 11:40:00 - 08/22 17:43:54	Track (97.3, 207.2) @ 08/22 11:10:00	* EIS cancelation study.

PROG= 14 Inf.-time(s)

Subr= 1 1-time(s) 400.0sec

Seqn= 93 10-time(s) 60.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Open	C-poly/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1024, 1024)	Q=90	4	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=90	4	0	2.0sec

Subr= 2 1-time(s) 4.0sec

Seqn= 43 1-time(s) 4.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
thin-Be/Open	thin-Be/Open	close	Safe	Norm	64.0s	Obs	1x1	384x384 (1024, 1024)	Q=90	0	0	2.0sec

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

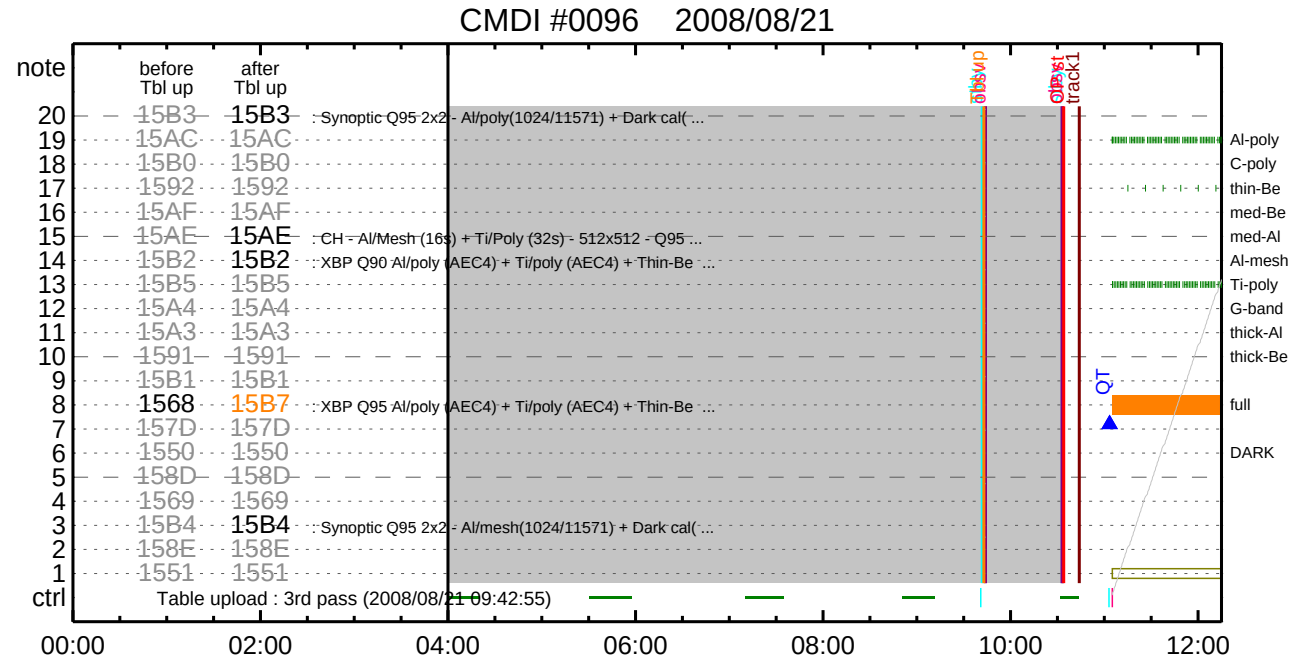
NOT USED

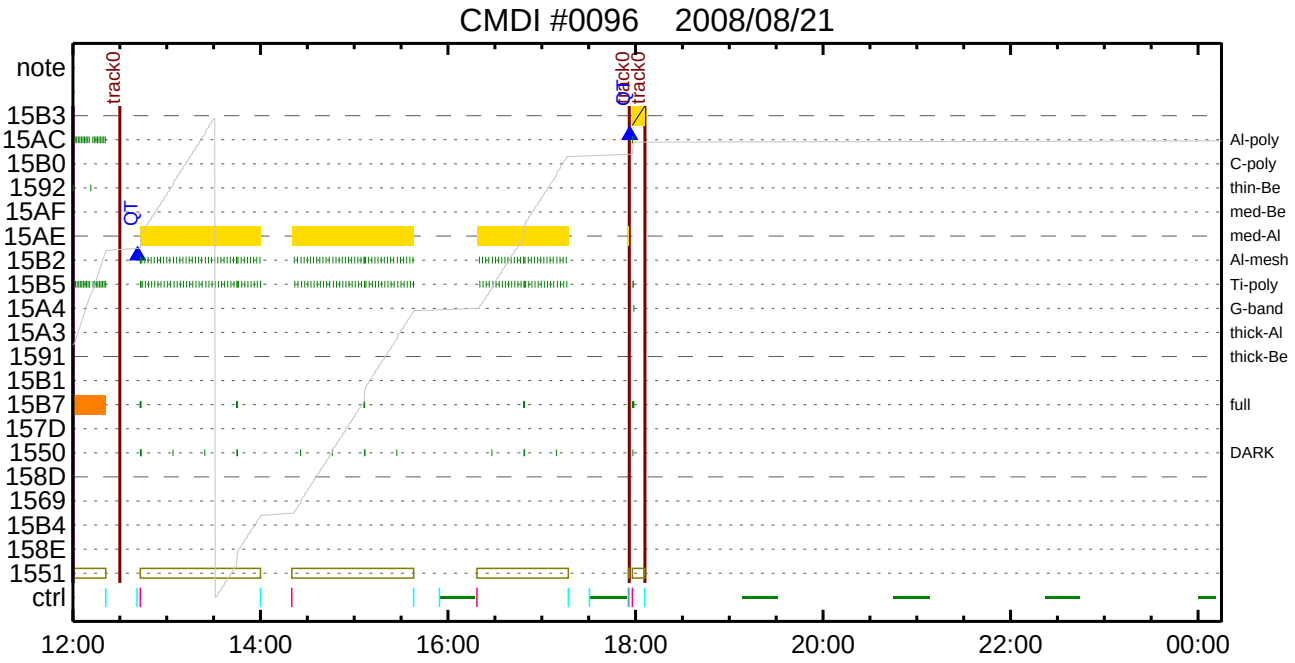
* * * * * **Active Region Search** * * * * *

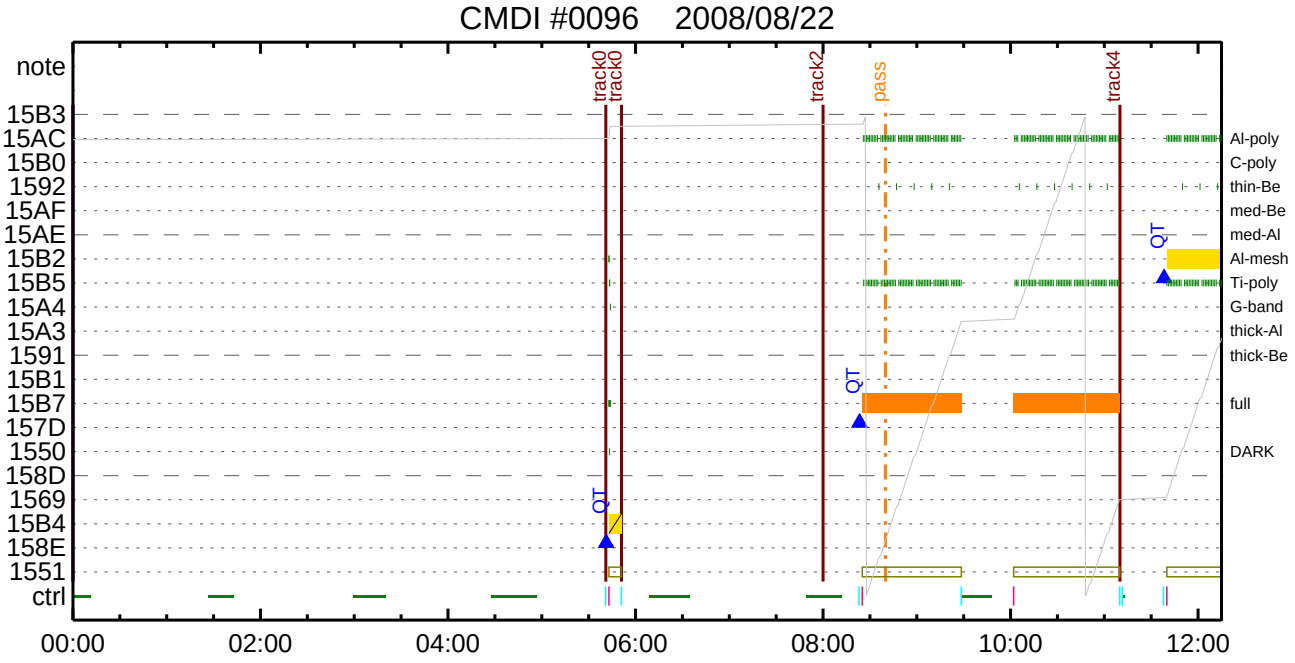
NOT USED

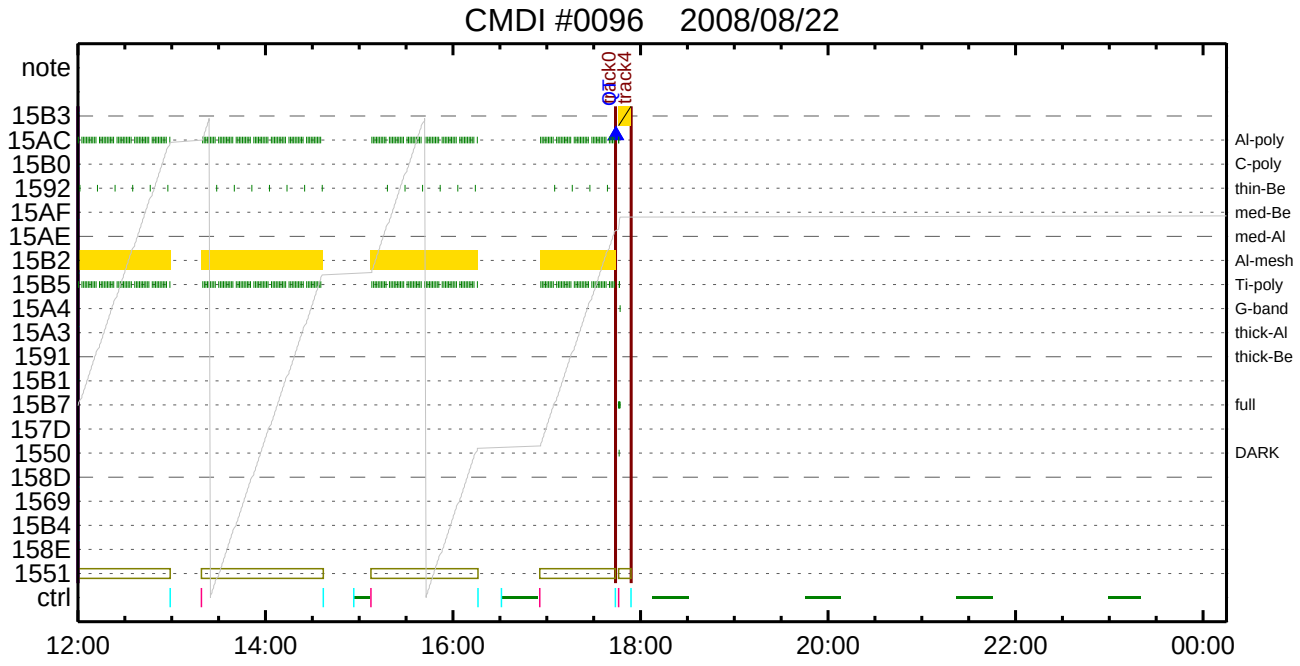
* * * * * **Flare Detection** * * * * *

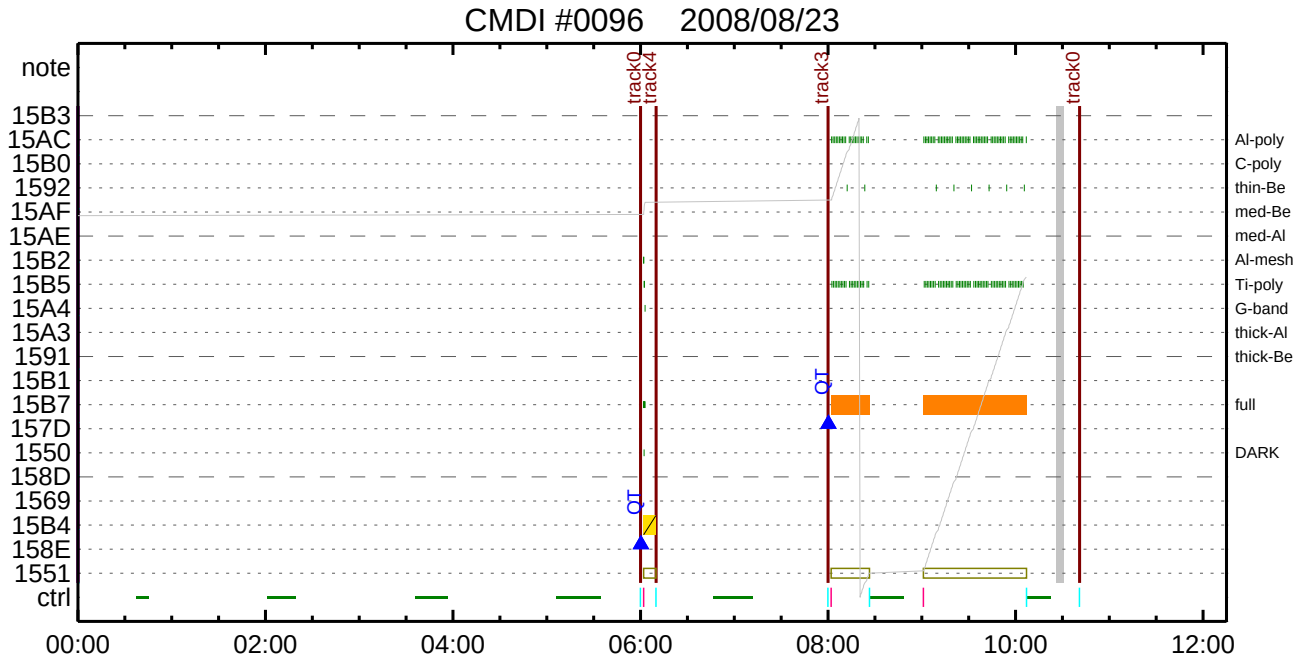
NOT USED

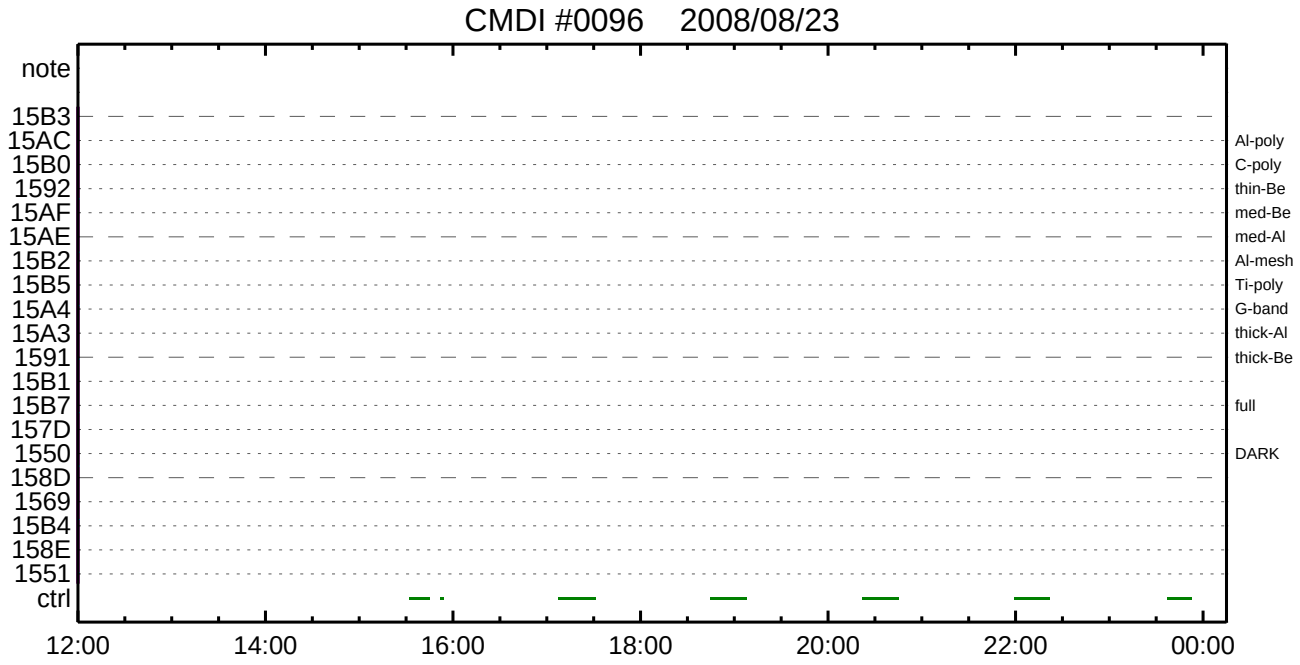

CMDI #0096 2008/08/21
note
before Tbl up
after Tbl up
15B3
15AC
15B0
1592
15AF
15AE
15B2
15B5
15A4
15A3
1591
15B1
1568
157D
1550
158D
1569
15B4
158E
1551
ctrl
15B3
15AC
15B0
1592
15AF
15AE
15B2
15B5
15A4
15A3
1591
15B1
15B7
157D
1550
158D
1569
15B4
158E
1551
: Synoptic Q95 2x2 - Al/poly(1024/11571) + Dark cal(...
: CH - Al/Mesh (16s) + Ti/Poly (32s) - 512x512 - Q95 ...
: XBP Q90 Al/poly (AEC4) + Ti/poly (AEC4) + Thin-Be ...
: XBP Q95 Al/poly (AEC4) + Ti/poly (AEC4) + Thin-Be ...
: Synoptic Q95 2x2 - Al/mesh(1024/11571) + Dark cal(...
Table upload : 3rd pass (2008/08/21 09:42:55)
track1
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

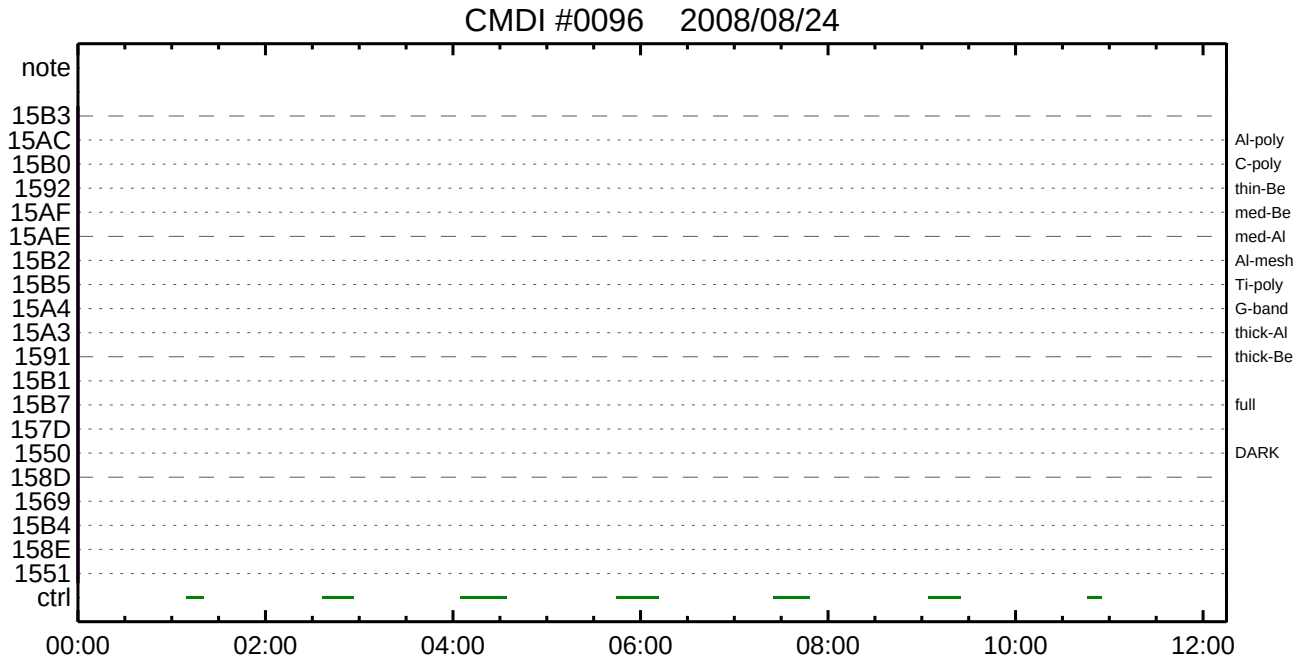

CMDI #0096 2008/08/21
note
track0
QT
15B3
15AC
15B0
1592
15AF
15AE
15B2
15B5
15A4
15A3
1591
15B1
15B7
157D
1550
158D
1569
15B4
158E
1551
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

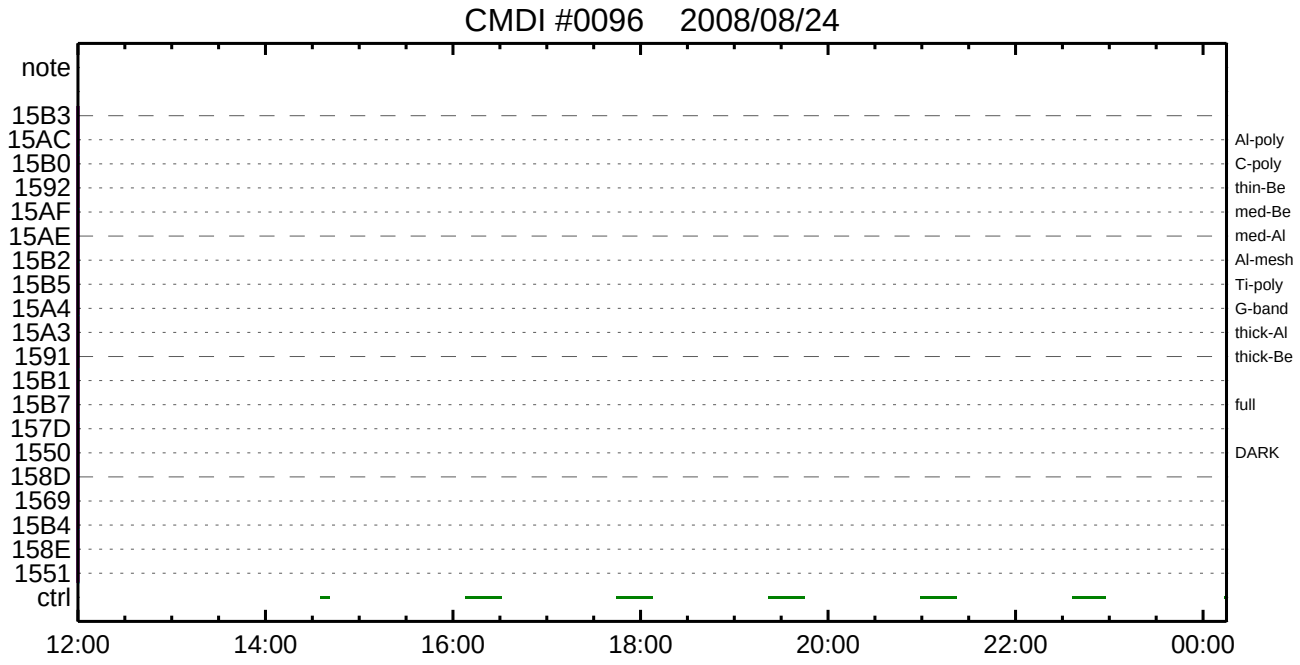

CMDI #0096 2008/08/22
note
track0
track2
pass
track4
QT
15B3
15AC
15B0
1592
15AF
15AE
15B2
15B5
15A4
15A3
1591
15B1
15B7
157D
1550
158D
1569
15B4
158E
1551
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

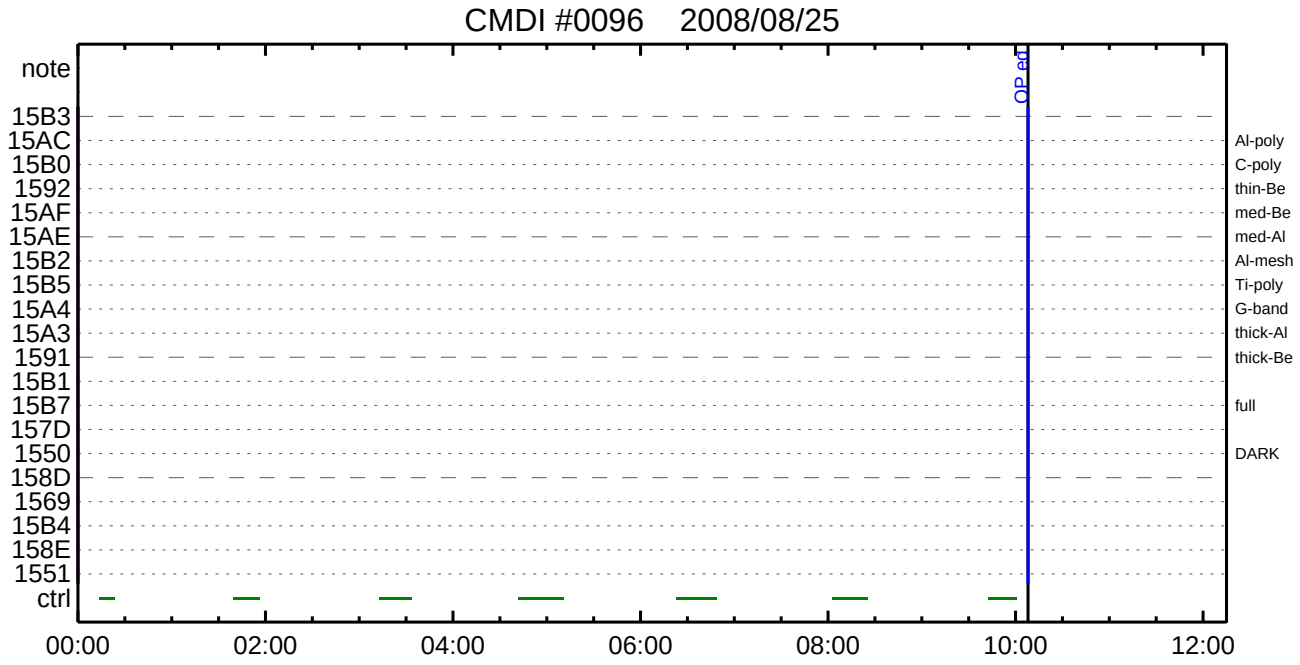

CMDI #0096 2008/08/22
note
15B3
15AC
15B0
1592
15AF
15AE
15B2
15B5
15A4
15A3
1591
15B1
15B7
157D
1550
158D
1569
15B4
158E
1551
ctrl
track0
track4
QT
12:00
14:00
16:00
18:00
20:00
22:00
00:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK

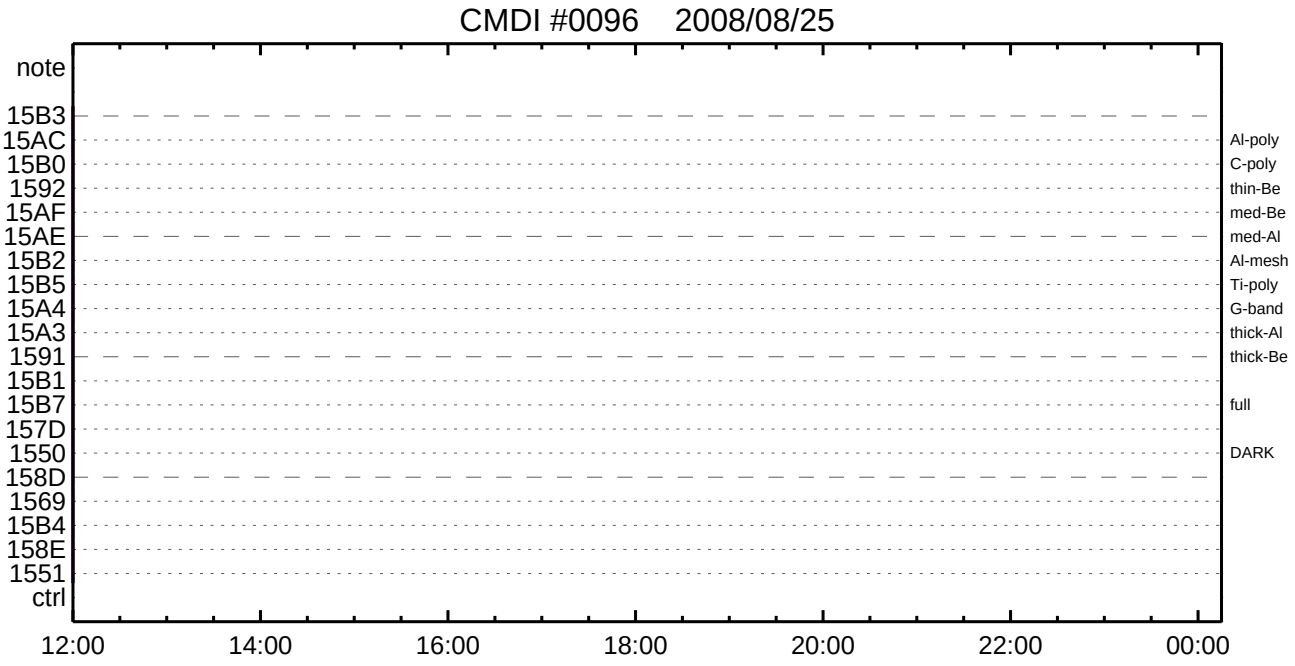

CMDI #0096 2008/08/23
note
15B3
15AC
15B0
1592
15AF
15AE
15B2
15B5
15A4
15A3
1591
15B1
15B7
157D
1550
158D
1569
15B4
158E
1551
ctrl
track0
track4
track3
track0
QT
QT
00:00
02:00
04:00
06:00
08:00
10:00
12:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK


CMDI #0096 2008/08/23
note
15B3
15AC
15B0
1592
15AF
15AE
15B2
15B5
15A4
15A3
1591
15B1
15B7
157D
1550
158D
1569
15B4
158E
1551
ctrl
12:00
14:00
16:00
18:00
20:00
22:00
00:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK


CMDI #0096 2008/08/24
note
15B3
15AC
15B0
1592
15AF
15AE
15B2
15B5
15A4
15A3
1591
15B1
15B7
157D
1550
158D
1569
15B4
158E
1551
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0096 2008/08/24
note
15B3
15AC
15B0
1592
15AF
15AE
15B2
15B5
15A4
15A3
1591
15B1
15B7
157D
1550
158D
1569
15B4
158E
1551
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00


CMDI #0096 2008/08/25
note
OP end
15B3
15AC
15B0
1592
15AF
15AE
15B2
15B5
15A4
15A3
1591
15B1
15B7
157D
1550
158D
1569
15B4
158E
1551
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0096 2008/08/25
note
15B3
15AC
15B0
1592
15AF
15AE
15B2
15B5
15A4
15A3
1591
15B1
15B7
157D
1550
158D
1569
15B4
158E
1551
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

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

main-084 2008-08-21 12:44:15 205 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-084:OP
0020     ()
0021   . S. OG    og-084: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 2008-08-21 10:29:00.0
     DC 01-B3 DHU_OP_STOP
     C.                       ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
     C.
  +. TI 2008-08-21 10:29:01.0
     DC 01-B4 DHU_OP_COPY
     C.                       ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
     C.
  +. TI 2008-08-21 10:29:01.0
     DC 01-B5 DHU_OPOG_COPY
     C.                       ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
     C.
  +. TI 2008-08-21 10:33:59.5
     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. ********************************
     C.  SOT TI command set
     C. ********************************
     C. Execute, after the success of OP upload.
  +. TI 2008-08-21 10:33:16.0
     DC 07-F0 MDP_SOT_MODE_STBY
     BC       (41)
   . C. -----------------------------------
     C.   HK1_TI_CMD_NUM       = 1 CNTUP [ ]
     C. -----------------------------------
     C. ************ SOT END ***********
   . 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 2008-08-21 10:33:30.0
     DC 07-FC EIS_MODE_MANU
     BC       (21 02)
  +. TI 2008-08-21 10:33:40.0
     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. ************ XRT START ***********
     C. Execute, after the success of OP upload.
  +. TI 2008-08-21 10:33:00.0
     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-085 2008-08-21 12:44:15 166 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•Ä°²óÈò¡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•Ä°²óÈò¤¬¶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•Ä°²óÈò¡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. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0130   +. DC 07-FC EIS_MODE_MANU
0131     BC       (21 02)
0132    . C. Verify EIS in MANUAL mode
0133    . C. Estimated OBSTBL upload time is 36s
0134     C. ********************************
0135     C. EIS START OBSTBL LOAD
0136     C. ********************************
0137    . S. RAM   ram-820:EIS_OBSTBL
0138     ()
0139   +. DC 07-FC EIS_DUMP_OBSTBL
0140     BC       (07 07 07 00 00 70 00)
0141     C.
0142     C. Execute, after the success of OBSTBL upload.
0143     C. Set EIS TI-commands
0144   +. TI 2008-08-21 10:33:50.0
0145     DC 07-FC EIS_MODE_CHG_ENA
0146     BC       (20)
0147    . C.                      [   ]  [HK1_TI_CMD_NUM]     EQ    1 COUNTUP
0148     C. ********************************
0149     C. EIS END OBSTBL LOAD
0150     C. ********************************
0151     C.
0152    . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0153     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0154    . S. DC-BC dcbc-402:DCBC
0155     (MDP_known_event)
0156     C.
0157     C.
0158    . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0159    . S. DC-BC dcbc-153:DCBC
0160     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0161     C.
0162     C.
0163    . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0164     C.
0165    . C. *********** LOS ***********
0166     C.
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(a) Spacecraft Operation Procedure (real-commands)

main-086 2008-08-21 12:44:15 212 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¤ÇÎ»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•Ä°²óÈò¡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•Ä°²óÈò¤¬¶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•Ä°²óÈò¡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.  SOT table upload
0100     C. ********************************
0101   . C. < Stop FG table >
0102  +. DC 07-F0 MDP_FG_CTRL_MANU
0103     BC       (51)
0104   . C. ------------------------------------
0105     C.  MDP_FG_CTRL_MODE      = MANU    [ ]
0106     C. ------------------------------------
0107     C.
0108   . C. <Upload FG Observation Table>
0109   . S. RAM   ram-263:MDP_OBS_F
0110     ()
0111     C.
0112   . C. < Dump RAMID=MDP_OBS_F >
0113  +. DC 07-F0 MDP_DUMP_FGTBL
0114     BC       (82 07 00 00 00 38 b8)
0115     C. ------------------------------------
0116     C.  MDP_OBS_F verify = OK/NG        [ ]
0117     C. ------------------------------------
0118     C.
0119   . C. < Stop SP table >
0120  +. DC 07-F0 MDP_SP_CTRL_MANU
0121     BC       (61)
0122     C. ------------------------------------
0123     C.  MDP_SP_CTRL_MODE      = MANU    [ ]
0124     C. ------------------------------------
0125     C.
0126   . C. <Upload SP Observation Table>
0127   . S. RAM   ram-283:MDP_OBS_S
0128     ()
0129     C.
0130   . C. < Dump RAMID=MDP_OBS_S >
0131  +. DC 07-F0 MDP_DUMP_SPTBL
0132     BC       (83 07 00 00 00 38 b8)
0133     C. ------------------------------------
0134     C.  MDP_OBS_S verify = OK/NG        [ ]
0135     C. ------------------------------------
0136     C.
0137     C. ********************************
0138     C.  SOT TI command set
0139     C. ********************************
0140     C. Execute, after the success of TBL upload.
0141  +. TI 2008-08-21 10:33:18.0
0142     DC 07-F0 MDP_SOT_MODE_OBSV
0143     BC       (40)
0144   . C. ------------------------------------
0145     C.   HK1_TI_CMD_NUM       = 1 CNTUP [ ]
0146     C. ------------------------------------
0147     C.
0148     C.
0149     C. ************ XRT START ************
0150     C.
0151  +. DC 07-F0 MDP_XRT_CTRL_MANU
0152     BC       (c1)
0153  +  DC 07-F0 MDP_XRT_MODE_STBY
0154     BC       (c3)
0155   . C. ------------ Success Verify ?              OK / NG____
0156     C.
0157     C. XRT Obs. Table Upload
0158   . S. RAM   ram-291:MDP_OBS_X
0159     ()
0160     C.
0161  +. DC 07-F0 MDP_DUMP_XRTTBL
0162     BC       (84 07 00 00 00 3a d4)
0163   . C. ------------ Comparison Check ?                        OK / ERR ____
0164     C.
0165     C.
0166  +. DC 07-F0 MDP_XRT_ROI_SET
0167     BC       (cd 01 b1 b1 04 04)
0168  +  DC 07-F0 MDP_XRT_ROI_SET
0169     BC       (cd 02 b1 b1 08 08)
0170  +  DC 07-F0 MDP_XRT_ROI_SET
0171     BC       (cd 03 b1 b1 08 08)
0172  +  DC 07-F0 MDP_XRT_ROI_SET
0173     BC       (cd 04 b1 b1 06 06)
0174  +  DC 07-F0 MDP_XRT_ROI_SET
0175     BC       (cd 06 80 80 08 08)
0176  +  DC 07-F0 MDP_XRT_ROI_SET
0177     BC       (cd 07 80 80 20 20)
0178  +  DC 07-F0 MDP_XRT_ROI_SET
0179     BC       (cd 08 80 80 06 06)
0180  +  DC 07-F0 MDP_XRT_ROI_SET
0181     BC       (cd 0f 80 80 06 06)
0182  +  DC 07-F0 MDP_XRT_ROI_SET
0183     BC       (cd 10 80 80 04 04)
0184   . C. ---------- Success Verify ?           OK / NG ____
0185     C.
0186     C.
0187   . C. All OK?   Yes--> Please Proceed. / No --> Stop here.
0188     C.
0189  +. DC 07-F0 MDP_XRT_MODE_OBSV
0190     BC       (c2)
0191  +. TI 2008-08-21 10:33:02.0
0192     DC 07-F0 MDP_XRT_MODE_OBSV
0193     BC       (c2)
```

```
0194   . C. ---------- Success Verify ?           OK / NG ____
0195     C.
0196     C. ************ XRT END ***********
0197     C.
0198   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0199     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0200   . S. DC-BC dcbc-402:DCBC
0201     (MDP_known_event)
0202     C.
0203     C.
0204   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0205   . S. DC-BC dcbc-153:DCBC
0206     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0207     C.
0208     C.
0209   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0210     C.
0211   . C. *********** LOS ***********
0212     C.
```

```
*** OP Sequence for XRT ***

2008/08/21  10:44:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM               5 02-76 01 00 00 00 00
2008/08/21  11:03:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/08/21  11:03:02.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                XRT_FOCUS_POSITION    4 07-F8 22 fe 97 00
2008/08/21  11:03:22.0  XRT_QT_PROG_SET_412_OG [0x19c]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 08
2008/08/21  11:05:00.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2008/08/21  11:05:02.0  XRT_FLD_DIS_445_OG [0x1bd]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2008/08/21  11:05:04.0  XRT_FLRCTRL_DIS_416_OG [0x1a0]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2008/08/21  11:05:06.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/08/21  12:21:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/08/21  12:30:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM               5 02-76 00 ae 0d 00 00
2008/08/21  12:41:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/08/21  12:41:02.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                XRT_FOCUS_POSITION    4 07-F8 22 fe 97 00
2008/08/21  12:41:22.0  XRT_QT_PROG_SET_415_OG [0x19f]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 0f
2008/08/21  12:43:00.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2008/08/21  12:43:02.0  XRT_FLD_DIS_445_OG [0x1bd]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2008/08/21  12:43:04.0  XRT_FLRCTRL_DIS_416_OG [0x1a0]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2008/08/21  12:43:06.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/08/21  14:00:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/08/21  14:20:00.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/08/21  15:38:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/08/21  15:54:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/08/21  16:17:30.0  XRT_Custom_430_OG [0x1ae]
2008/08/21  16:18:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/08/21  17:17:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/08/21  17:30:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/08/21  17:54:30.0  XRT_Custom_430_OG [0x1ae]
2008/08/21  17:55:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/08/21  17:55:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/08/21  17:55:56.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                XRT_FOCUS_POSITION    4 07-F8 22 ff aa 00
2008/08/21  17:56:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                AOCU_NM               5 02-76 00 00 00 00 00
2008/08/21  17:56:16.0  XRT_QT_PROG_SET_440_OG [0x1b8]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 14
2008/08/21  17:56:18.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2008/08/21  17:56:20.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2008/08/21  17:56:22.0  XRT_ARS_DIS_427_OG [0x1ab]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2008/08/21  17:58:00.0  XRT_CTRL_AUTO_444_OG [0x1bc]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/08/21  18:05:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/08/21  18:06:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM               5 02-76 00 ae 0d 00 00
2008/08/22  05:40:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/08/22  05:40:56.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                XRT_FOCUS_POSITION    4 07-F8 22 ff aa 00
2008/08/22  05:41:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                AOCU_NM               5 02-76 00 00 00 00 00
2008/08/22  05:41:16.0  XRT_QT_PROG_SET_425_OG [0x1a9]
                                MDP_XRT_QT_PROG_SET   2 07-F0 c4 03
2008/08/22  05:41:18.0  XRT_FLD_DIS_419_OG [0x1a3]
                                MDP_XRT_FLD_DIS       1 07-F0 d9
2008/08/22  05:41:20.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                MDP_XRT_FLRCTRL_DIS   1 07-F0 c9
2008/08/22  05:41:22.0  XRT_ARS_DIS_427_OG [0x1ab]
                                MDP_XRT_ARS_DIS       1 07-F0 d5
2008/08/22  05:43:00.0  XRT_CTRL_AUTO_444_OG [0x1bc]
                                MDP_XRT_CTRL_AUTO     1 07-F0 c0
2008/08/22  05:50:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2008/08/22  05:51:00.0  AOCS_ORe-point_Start_2_OG [0x098]
```

```
                                    AOCU_NM              5 02-76 00 ae 0d 00 00
2008/08/22  08:00:00.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                    AOCU_NM              5 02-76 02 00 00 00 00
2008/08/22  08:23:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/22  08:23:02.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                    XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2008/08/22  08:23:22.0  XRT_QT_PROG_SET_412_OG [0x19c]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 08
2008/08/22  08:25:00.0  XRT_ARS_DIS_422_OG [0x1a6]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2008/08/22  08:25:02.0  XRT_FLD_DIS_445_OG [0x1bd]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2008/08/22  08:25:04.0  XRT_FLRCTRL_DIS_416_OG [0x1a0]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2008/08/22  08:25:06.0  XRT_CTRL_AUTO_403_OG [0x193]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/08/22  09:28:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/22  10:02:00.0  XRT_CTRL_AUTO_403_OG [0x193]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/08/22  11:09:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/22  11:10:00.0  AOCS_ORe-point_Start_5_OG [0x09b]
                                    AOCU_NM              5 02-76 04 00 00 00 00
2008/08/22  11:11:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/22  11:37:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/22  11:37:56.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                    XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2008/08/22  11:38:16.0  XRT_QT_PROG_SET_411_OG [0x19b]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 0e
2008/08/22  11:39:54.0  XRT_ARS_DIS_422_OG [0x1a6]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2008/08/22  11:39:56.0  XRT_FLD_DIS_445_OG [0x1bd]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2008/08/22  11:39:58.0  XRT_FLRCTRL_DIS_416_OG [0x1a0]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2008/08/22  11:40:00.0  XRT_CTRL_AUTO_403_OG [0x193]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/08/22  12:59:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/22  13:19:00.0  XRT_CTRL_AUTO_403_OG [0x193]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/08/22  14:37:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/22  14:56:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/22  15:06:30.0  XRT_Custom_430_OG [0x1ae]
2008/08/22  15:07:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/08/22  16:16:00.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/22  16:31:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/22  16:54:30.0  XRT_Custom_430_OG [0x1ae]
2008/08/22  16:55:30.0  XRT_CTRL_AUTO_432_OG [0x1b0]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/08/22  17:43:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/22  17:43:56.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2008/08/22  17:44:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                    AOCU_NM              5 02-76 00 00 00 00 00
2008/08/22  17:44:16.0  XRT_QT_PROG_SET_440_OG [0x1b8]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 14
2008/08/22  17:44:18.0  XRT_FLD_DIS_419_OG [0x1a3]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2008/08/22  17:44:20.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2008/08/22  17:44:22.0  XRT_ARS_DIS_427_OG [0x1ab]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2008/08/22  17:46:00.0  XRT_CTRL_AUTO_444_OG [0x1bc]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/08/22  17:53:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/22  17:54:00.0  AOCS_ORe-point_Start_5_OG [0x09b]
                                    AOCU_NM              5 02-76 04 00 00 00 00
2008/08/23  05:59:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/23  05:59:56.0  XRT_FOCUS_POSITION_442_OG [0x1ba]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2008/08/23  06:00:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                    AOCU_NM              5 02-76 00 00 00 00 00
2008/08/23  06:00:16.0  XRT_QT_PROG_SET_425_OG [0x1a9]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 03
2008/08/23  06:00:18.0  XRT_FLD_DIS_419_OG [0x1a3]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2008/08/23  06:00:20.0  XRT_FLRCTRL_DIS_447_OG [0x1bf]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2008/08/23  06:00:22.0  XRT_ARS_DIS_427_OG [0x1ab]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
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2008/08/23  06:02:00.0  XRT_CTRL_AUTO_444_OG [0x1bc]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/08/23  06:09:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/23  06:10:00.0  AOCS_ORe-point_Start_5_OG [0x09b]
                                AOCU_NM              5 02-76 04 00 00 00 00
2008/08/23  07:59:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/23  07:59:56.0  XRT_FOCUS_POSITION_441_OG [0x1b9]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2008/08/23  08:00:00.0  AOCS_ORe-point_Start_6_OG [0x09c]
                                AOCU_NM              5 02-76 03 00 00 00 00
2008/08/23  08:00:16.0  XRT_QT_PROG_SET_412_OG [0x19c]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 08
2008/08/23  08:01:54.0  XRT_ARS_DIS_422_OG [0x1a6]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2008/08/23  08:01:56.0  XRT_FLD_DIS_445_OG [0x1bd]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2008/08/23  08:01:58.0  XRT_FLRCTRL_DIS_416_OG [0x1a0]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2008/08/23  08:02:00.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/08/23  08:26:30.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/23  09:01:00.0  XRT_CTRL_AUTO_403_OG [0x193]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2008/08/23  10:07:00.0  XRT_CTRL_MANU_435_OG [0x1b3]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/23  10:40:54.0  XRT_CTRL_MANU_428_OG [0x1ac]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2008/08/23  10:41:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                AOCU_NM              5 02-76 00 00 00 00 00
```