XRT Timeline to be uploaded on 2009/10/23

Period: 2009/10/23 09:40:00 - 2009/10/27 10:30:00

✳ ✳ ✳ ✳ ✳   **Normal mode**   ✳ ✳ ✳ ✳ ✳

NOT USED

✳ ✳ ✳ ✳ ✳   **Flare mode**   ✳ ✳ ✳ ✳ ✳

NOT USED

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

NOT USED

✳ ✳ ✳ ✳ ✳   **Flare Detection**   ✳ ✳ ✳ ✳ ✳

NOT USED

✳ ✳ ✳ ✳ ✳   ✳ ✳ ✳ ✳ ✳

CMDI #0868   2009/10/23

note

before Tbl up	after Tbl up		
16E0	16E0	20	
15A9	15A9	19	Al-poly
15A8	15A8	18	C-poly
1724	1724	17	thin-Be
1563	1563	16	med-Be
16C5	16C5	15	med-Al
1565	1565	14	Al-mesh
1728	1728	13	Ti-poly
1722	1722	12	G-band
15AA	15AA	11	thick-Al
1726	1726	10	thick-Be
1721	1721	9	
16AC	16AC	8	full
1725	1725	7	
171B	171B	6	DARK
15AB	15AB	5	
1727	1727	4	
16AD	16AD	3	
171C	171C	2	
171A	171A	1	

ctrl   No Table upload

pass   pass   pass   OP st / track3

00:00   02:00   04:00   06:00   08:00   10:00   12:00

CMDI #0868   2009/10/23

note

track3   trackQ / track1   pass   pass

16E0 — Al-poly
15A9 — C-poly
15A8 — thin-Be
1724 — med-Be
1563 — med-Al
16C5 — Al-mesh
1565 — Ti-poly
1728 — G-band
1722 — thick-Al
15AA — thick-Be
1726 —
1721 — full
16AC —
1725 — DARK
171B —
15AB —
1727 —
16AD —
171C —
171A —
ctrl

12:00   14:00   16:00   18:00   20:00   22:00   00:00

CMDI #0868   2009/10/24

note

pass   pass

16E0 — Al-poly
15A9 — C-poly
15A8 — thin-Be
1724 — med-Be
1563 — med-Al
16C5 — Al-mesh
1565 — Ti-poly
1728 — G-band
1722 — thick-Al
15AA — thick-Be
1726 —
1721 — full
16AC —
1725 — DARK
171B —
15AB —
1727 —
16AD —
171C —
171A —
ctrl

00:00   02:00   04:00   06:00   08:00   10:00   12:00

CMDI #0868   2009/10/24
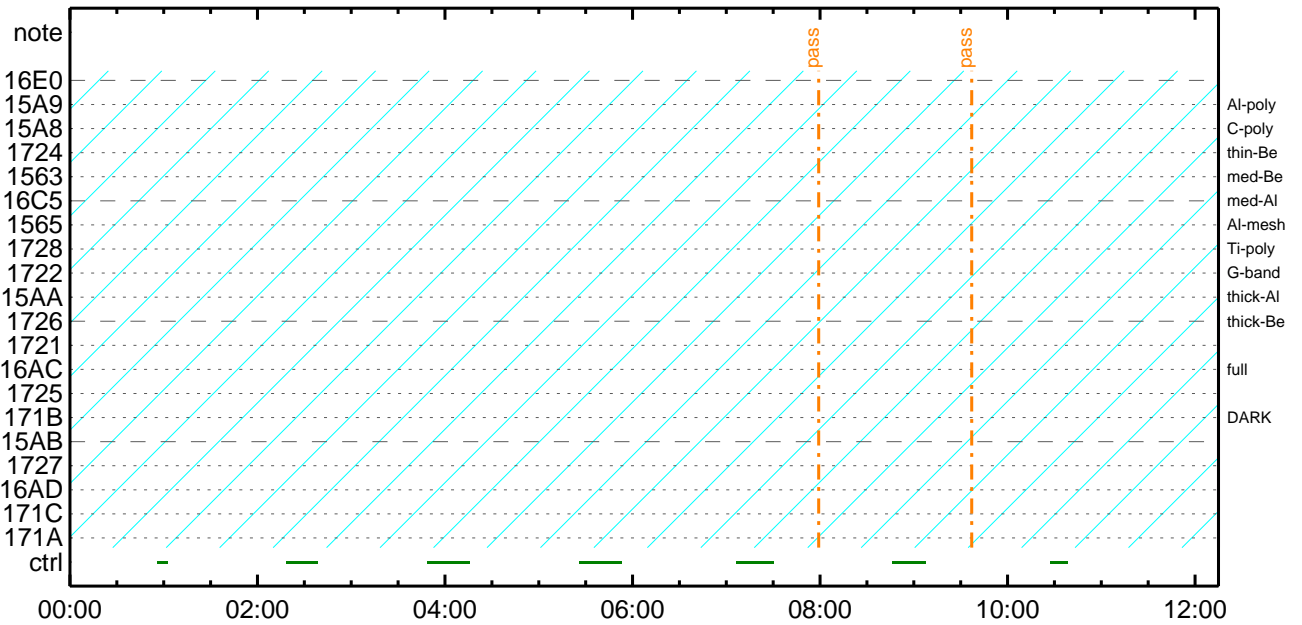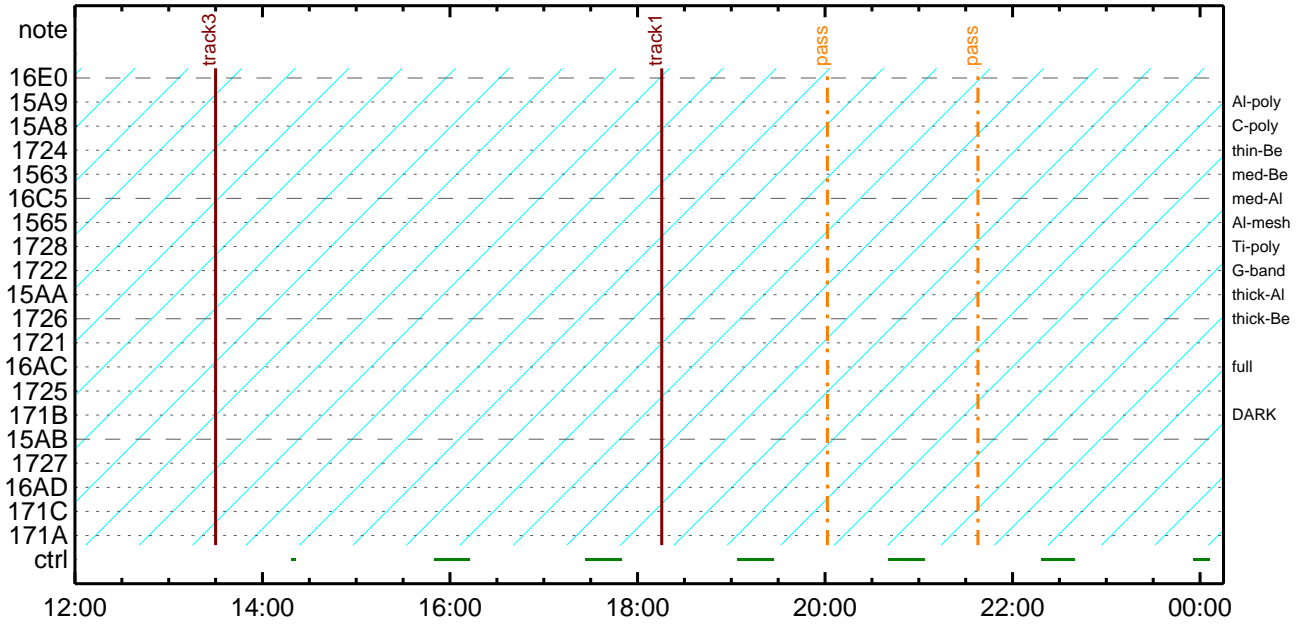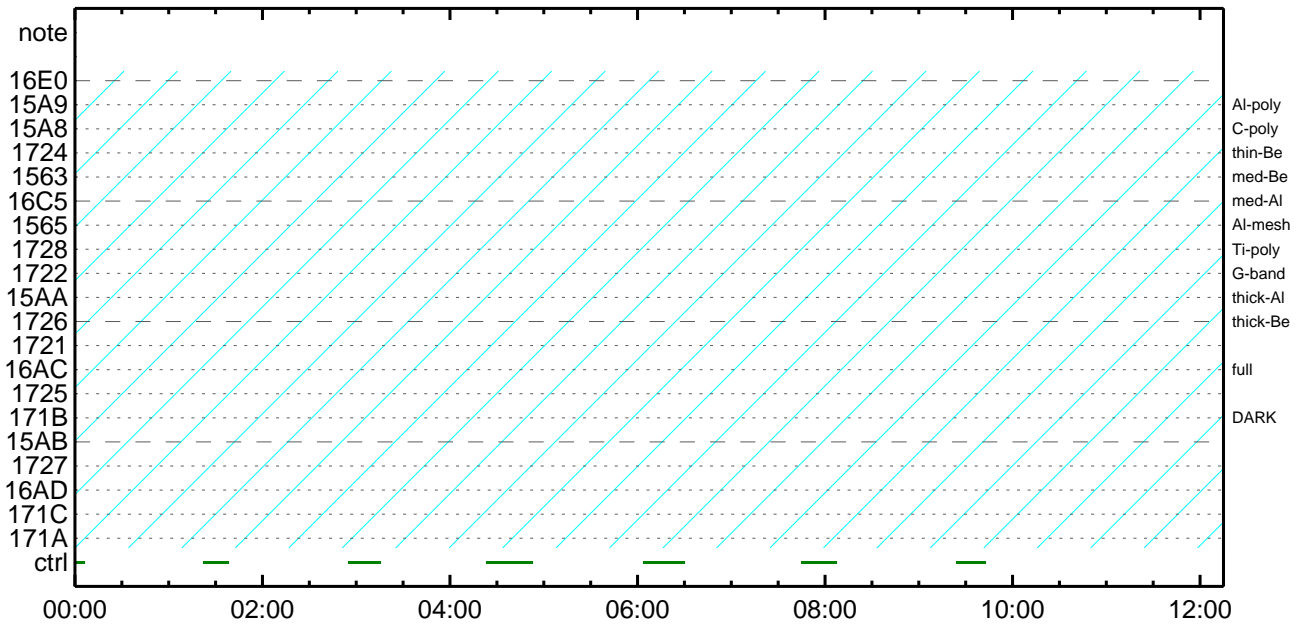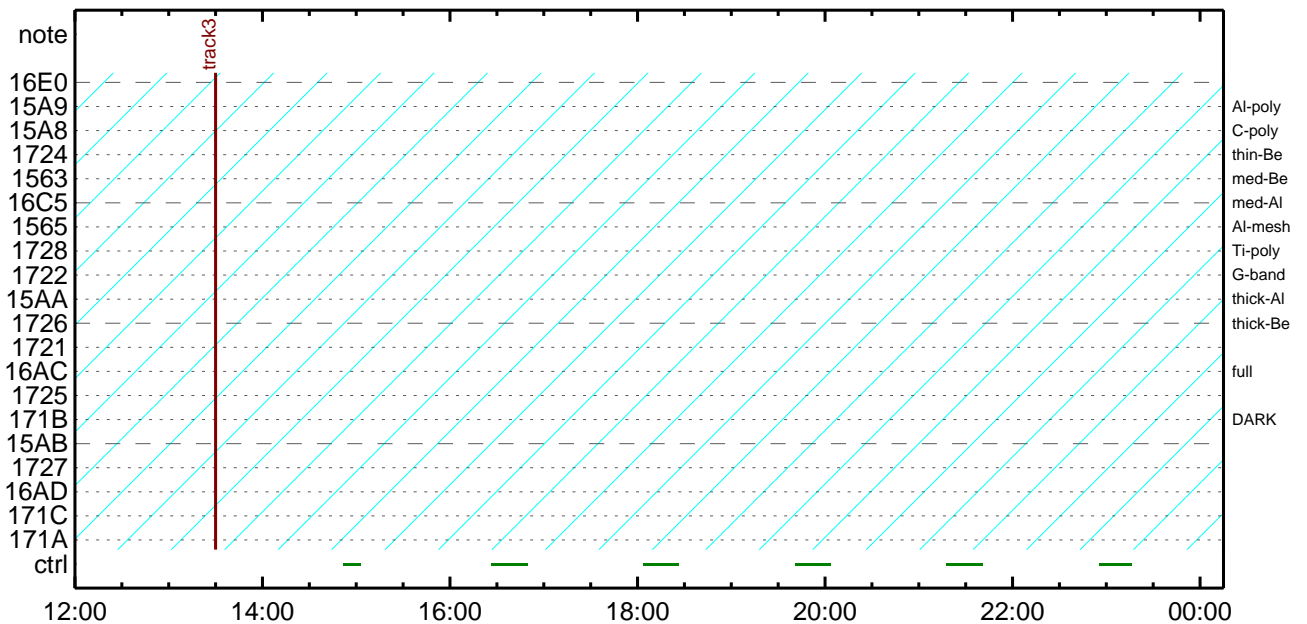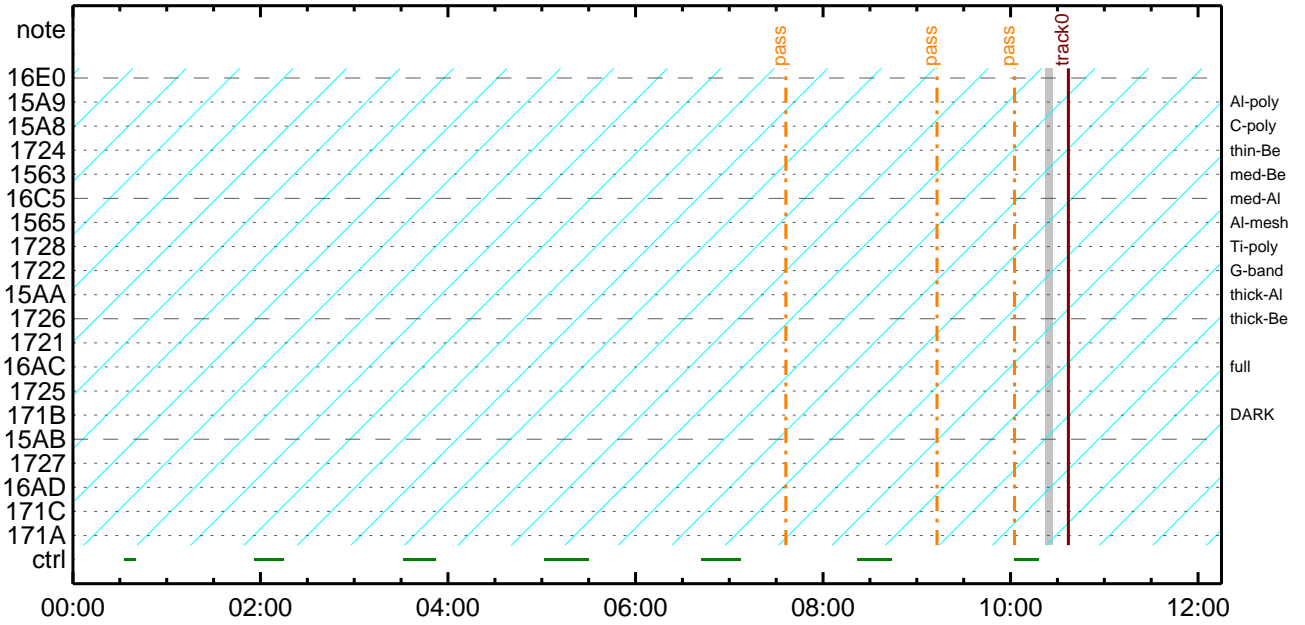
CMDI #0868   2009/10/25

CMDI #0868   2009/10/25
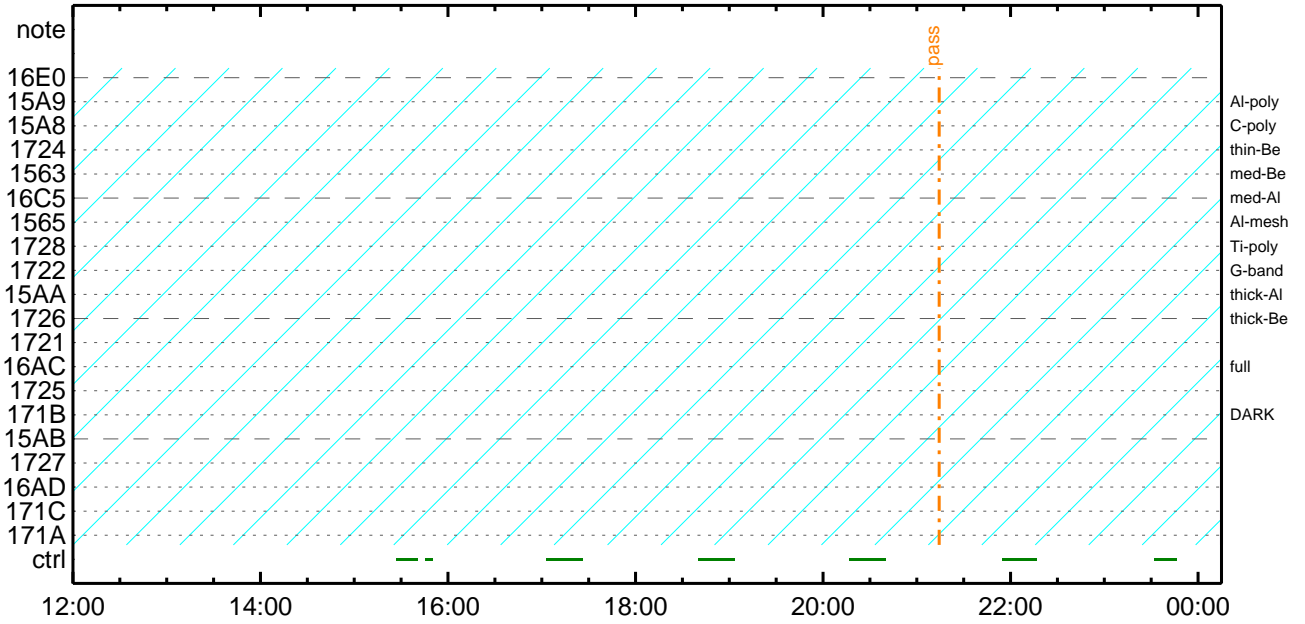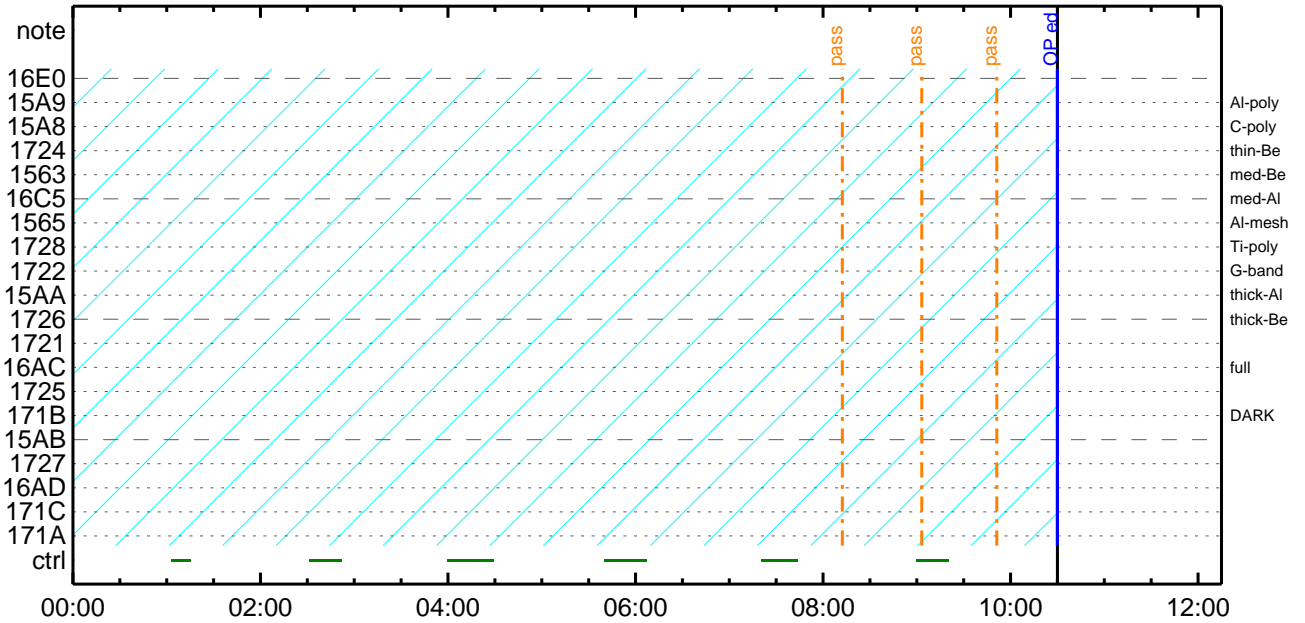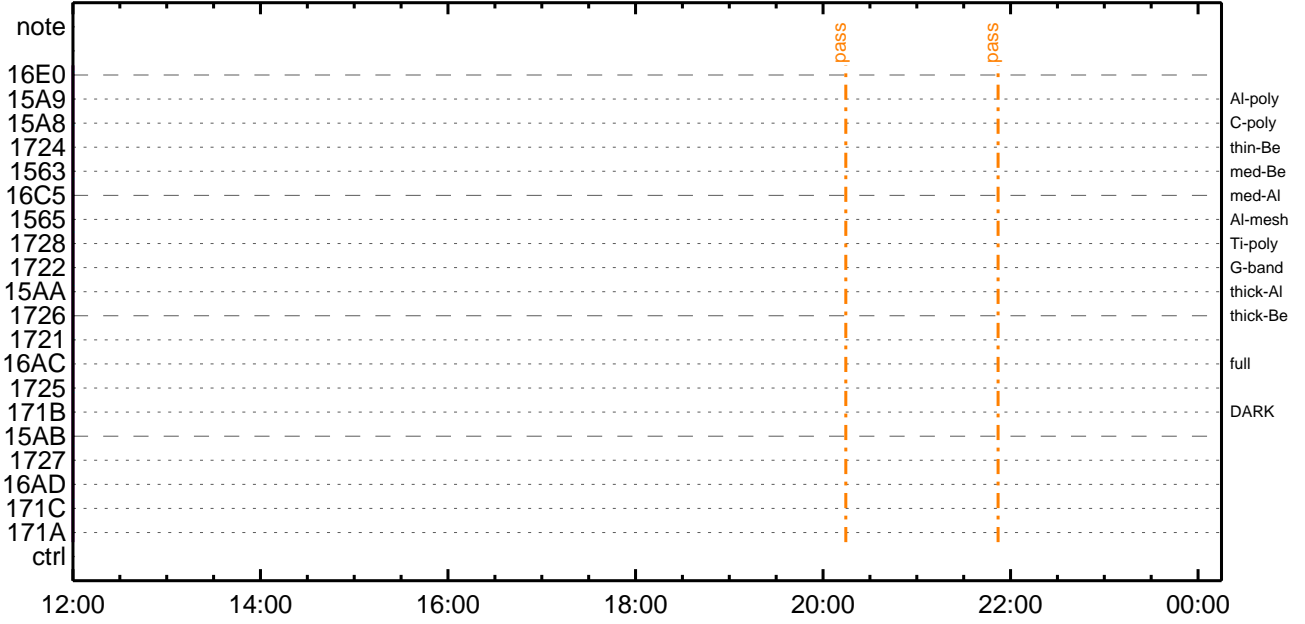
CMDI #0868   2009/10/26

CMDI #0868   2009/10/26

CMDI #0868   2009/10/27

CMDI #0868   2009/10/27

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

main-929 2009-10-23 13:58:43 311 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¡ÊÈè½µ•ÎÎ¡Ë¤Ë¼°ÇÔ¤•¤¿¾ì¹ç¤Ï¡¢®¸ù¤¹¤ë¤Þ¤CÁ÷¿®•¤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. ¢¨ °ÆÀ¸Í×ÈÝ¤äLOS¤Þ¤Ç¤Î¡»þ´Ö¤ò¹ÍÎ¸¤•¡¢¢ÉÔÍ×ÈXÂÓON¤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¬¬°ÂÂê¤•¤¿é¡¢°Ê²¼¤Î°ÆÀ¸¼ê½ç¤ò¼Â¹Ô¤¹¤ë¡£
0030      C.
0031   .  C. ***************
0032      C. DR PT1 Ä�¾ï°ÆÀ¸
0033      C. ***************
0034      C. ¢¨ RESTART¡ÊPT1¡Ë¤•¤¿¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô»º°¡¢DCBC-150¤Ø¿Ê¤à¡£
0035      C.
0036   .  C. ¡ãPT1°ÆÀ¸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¥ÀÚÂ¥Ø¡ÊÅ•Ä°²óÈò¡Ë¸å¤Î°ÆÀ¸°Æ³«¡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. PT1°ÆÀ¸¤¬¼«Æ°Ää»ß¤¤¸¡¢°Ê²¼¤ò¼Â¹Ô¤¹¤ë¡£
0055      C. ¥¢¥ó¥Æ¥ÀÚÂ¥Ø¤äÅ•Ä°²óÈò¤¬¶á¤¤¾ì¹ç¤Ï´°Î»¤¤¤¤¤ë¤Þ¤ÇÂÔÂ¤Ä¡£
0056      C.
0057   .  C. ***************
0058      C. DR PT2 ÄÄ¾ï°ÆÀ¸
0059      C. ***************
0060      C. ¢¨ RESTART¡ÊPT2¡Ë¤•¤¿¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô»º°¡¢DCBC-151¤Ø¿Ê¤à¡£
0061      C.
0062   .  C. ¡ãPT2°ÆÀ¸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¥ÀÚÂ¥Ø¡ÊÅ•Ä°²óÈò¡Ë¸å¤Î°ÆÀ¸°Æ³«¡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. DR°ÆÀ¸Ää»ß¡¢XÁ÷¿®µ¡OFF
0081      C. *************************
0082      C.
0083   .  C. ¡ãDR°ÆÀ¸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. OP/OG¥í¡¼¥É¡¦¥À¥ó¥×
0100      C. **************************
0101      C.
0102   .  C. ¡ãOP/OG¥í¡¼¥É¡ä
0103   .  S. OP     op-929:OP
0104      ()
0105   .  S. OG     og-929:OG
0106      ()
0107      C.
0108   .  C. ¡ãNMOG&OPÎÎ°è¥À¥ó¥×¡ä
0109      C. NMOG(0x200000-0x207FFF¡§ 32 kbyte)
0110   +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111      BC       (20 00 7f 01 02)
0112      C.                       ¢¢[HK1_DMP_TOP_ADRS_1]        EQ      40
0113      C.                       ¢¢[HK1_DMP_TOP_ADRS_0]        EQ      0
0114      C.                       ¢¢[HK1_DMP_BLOCK_NUM]         EQ      127
0115      C.                       ¢¢[HK1_DMP_REPEAT_NUM]        EQ      0
0116      C.                       ¢¢[HK1_DMA_DMP_PIM]           EQ      DHU
0117   +. DC 01-22 DHU_MODE_CHNG
0118      BC       (07 0b f8)
0119      C.                       ¢¢[HK1_PKT_FORM_NO]           EQ      7
0120      C.                       ¢¢[HK1_PKT_GEN_TIME]          EQ      0.25 s
0121      C.                       ¢¢[HK1_S_TLM_BIT_RATE]        EQ      32k
0122      C.                       ¢¢[HK1_X_TLM_BIT_RATE]        EQ      4M
0123      C.                       ¢¢[HK1_DMP_CHK_FLG]           EQ      EXEC
0124   .  C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0125      C.                       ¢¢[HK1_DMP_CHK_FLG]           EQ      NON
0126   .  C. RAM ID=NMOG¤Î¾È¹ç•ë²ÎOK¤ò³ÎÇ§
0127      C.
0128      C. NMOG(0x208000-0x20FFFF¡§ 32 kbyte)
0129   +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130      BC       (20 80 7f 01 02)
0131      C.                       ¢¢[HK1_DMP_TOP_ADRS_1]        EQ      41
0132      C.                       ¢¢[HK1_DMP_TOP_ADRS_0]        EQ      0
0133      C.                       ¢¢[HK1_DMP_BLOCK_NUM]         EQ      127
0134      C.                       ¢¢[HK1_DMP_REPEAT_NUM]        EQ      0
0135      C.                       ¢¢[HK1_DMA_DMP_PIM]           EQ      DHU
0136   +. DC 01-22 DHU_MODE_CHNG
0137      BC       (07 0b f8)
0138      C.                       ¢¢[HK1_PKT_FORM_NO]           EQ      7
0139      C.                       ¢¢[HK1_PKT_GEN_TIME]          EQ      0.25 s
0140      C.                       ¢¢[HK1_S_TLM_BIT_RATE]        EQ      32k
0141      C.                       ¢¢[HK1_X_TLM_BIT_RATE]        EQ      4M
0142      C.                       ¢¢[HK1_DMP_CHK_FLG]           EQ      EXEC
0143   .  C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0144      C.                       ¢¢[HK1_DMP_CHK_FLG]           EQ      NON
0145   .  C. RAM ID=NMOG¤Î¾È¹ç•ë²ÎOK¤ò³ÎÇ§
0146      C.
0147      C. NMOG(0x210000-0x2100FF¡§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148   +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149      BC       (21 00 41 01 02)
0150      C.                       ¢¢[HK1_DMP_TOP_ADRS_1]        EQ      42
0151      C.                       ¢¢[HK1_DMP_TOP_ADRS_0]        EQ      0
0152      C.                       ¢¢[HK1_DMP_BLOCK_NUM]         EQ      65
0153      C.                       ¢¢[HK1_DMP_REPEAT_NUM]        EQ      0
0154      C.                       ¢¢[HK1_DMA_DMP_PIM]           EQ      DHU
0155   +. DC 01-22 DHU_MODE_CHNG
0156      BC       (07 0b f8)
0157      C.                       ¢¢[HK1_PKT_FORM_NO]           EQ      7
0158      C.                       ¢¢[HK1_PKT_GEN_TIME]          EQ      0.25 s
0159      C.                       ¢¢[HK1_S_TLM_BIT_RATE]        EQ      32k
0160      C.                       ¢¢[HK1_X_TLM_BIT_RATE]        EQ      4M
0161      C.                       ¢¢[HK1_DMP_CHK_FLG]           EQ      EXEC
0162   .  C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0163      C.                       ¢¢[HK1_DMP_CHK_FLG]           EQ      NON
0164   .  C. RAM ID=NMOG,RAM ID=OP¤Î¾È¹ç•ë²ÎOK¤ò³ÎÇ§
0165      C.
0166   .  C. ***** °Ê²¼¤Î¾Ã´¶Á°¤ºÁ÷¿® (¾âµ-¥À¥ó¥×¼ê½ç¤òÅÓÃæ¤Ç½ª¨¤ë¾ì¹ç¤Çá) *****
0167      C. DHU¥â¡¼¥É¡Ê¼ý½¸¥ì¡¼¥É¡Ë¤òÎá¤¹
0168   +. DC 01-22 DHU_MODE_CHNG
0169      BC       (02 0a f8)
0170      C.                       ¢¢[HK1_PKT_FORM_NO]           EQ      2
0171      C.                       ¢¢[HK1_PKT_GEN_TIME]          EQ      0.5S
0172      C.                       ¢¢[HK1_S_TLM_BIT_RATE]        EQ      32K
0173      C.                       ¢¢[HK1_X_TLM_BIT_RATE]        EQ      4M
0174      C.
0175   .  C. *******************************
0176      C. TI-CMD SET (OPOG STOP/COPY/START)
0177      C. *******************************
0178      C.
0179   .  C. NOTICE ¡§ OPOG UPLOAD¤¬Á÷¿®NG¤Î¾ì¹ç¡¢¢°Ê²¼¤ÎTI-CMDÁ÷¿®¤Ï¼Â¹Ô¤•¤Ê¤¤¤³¤È¡£
0180      C.        ¤Þ¤¿¡¢¢SET¤ÈDUMP¤Ï±°ì¥Ñ¥¹¤Ç¹Ô¤¦¤³¤È¡£
0181      C.
0182   .  C. TI¥³¥Þ¥ó¥É¤òÅÐÏ¿(UT)
0183   +. TI 2009-10-23 09:35:00.0
0184      DC 01-B3 DHU_OP_STOP
0185      C.                       ¢¢[HK1_TI_CMD_NUM]            EQ      1COUNTUP
0186      C.
0187   +. TI 2009-10-23 09:35:01.0
0188      DC 01-B4 DHU_OP_COPY
0189      C.                       ¢¢[HK1_TI_CMD_NUM]            EQ      1COUNTUP
0190      C.
0191   +. TI 2009-10-23 09:35:01.0
0192      DC 01-B5 DHU_OPOG_COPY
0193      C.                       ¢¢[HK1_TI_CMD_NUM]            EQ      1COUNTUP
```

```
0194     C.
0195  +. TI 2009-10-23 09:39:59.5
0196     DC 01-B2 DHU_OP_START
0197     C.                        ¢¢[HK1_TI_CMD_NUM]                EQ     1COUNTUP
0198     C.
0199     C. °Ê²¼¤ÏÄê¾¡íÑ¤Î¥Á¥§¥Ã¥¯¹àÌÜ
0200     C.                        ¢¢[HK1_TI_CMD_ENA/DIS]           EQ     ENA
0201     C.                        ¢¢[HK1_TI_CMD_NUM]               EQ     4
0202     C.                        ¢¢[HK1_NEXT_EXEC_PIM]            EQ     DHU
0203     C.                        ¢¢[HK1_NEXT_EXEC_DC]             EQ     0xB3
0204     C.
0205   . C. ***************************
0206     C. TIÎÎ°è¥À¥ó¥×
0207     C. ***************************
0208     C.
0209     C. TI_TBL(0x03AB00-0x03AEFF¡§ 1024byte)
0210  +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211     BC       (03 ab 03 01 02)
0212     C.                        ¢¢[HK1_DMP_TOP_ADRS_1]           EQ     07
0213     C.                        ¢¢[HK1_DMP_TOP_ADRS_0]           EQ     2B
0214     C.                        ¢¢[HK1_DMP_BLOCK_NUM]            EQ     3
0215     C.                        ¢¢[HK1_DMP_REPEAT_NUM]           EQ     0
0216     C.                        ¢¢[HK1_DMA_DMP_PIM]              EQ     DHU
0217  +. DC 01-22 DHU_MODE_CHNG
0218     BC       (07 0b f8)
0219     C.                        ¢¢[HK1_PKT_FORM_NO]              EQ     7
0220     C.                        ¢¢[HK1_PKT_GEN_TIME]             EQ     0.25 s
0221     C.                        ¢¢[HK1_S_TLM_BIT_RATE]           EQ     32k
0222     C.                        ¢¢[HK1_X_TLM_BIT_RATE]           EQ     4M
0223     C.                        ¢¢[HK1_DMP_CHK_FLG]              EQ     EXEC
0224     C.
0225   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0226     C.                        ¢¢[HK1_DMP_CHK_FLG]              EQ     NON
0227     C.
0228   . C. RAM ID=TI_TBL¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0229     C.
0230   . C. DHU¥â¡¼¥É¡Ê¼ý½¸¥ì¡¼¥È¡Ë¤òÌá¤¹
0231  +. DC 01-22 DHU_MODE_CHNG
0232     BC       (02 0a f8)
0233     C.                        ¢¢[HK1_PKT_FORM_NO]              EQ     2
0234     C.                        ¢¢[HK1_PKT_GEN_TIME]             EQ     0.5S
0235     C.                        ¢¢[HK1_S_TLM_BIT_RATE]           EQ     32K
0236     C.                        ¢¢[HK1_X_TLM_BIT_RATE]           EQ     4M
0237     C.
0238     C. *****************************
0239     C.  SOT TI command set
0240     C. *****************************
0241     C. Execute, after the success of OP upload.
0242  +. TI 2009-10-23 09:39:16.0
0243     DC 07-F0 MDP_SOT_MODE_STBY
0244     BC       (41)
0245   . C. ------------------------------------
0246     C.   HK1_TI_CMD_NUM       = 1 CNTUP [ ]
0247     C. ------------------------------------
0248     C. *********** SOT END ***********
0249   . C. Stop EIS observation and temporarily disable EIS mode changes
0250     C.
0251     C.
0252     C. ********** Start EIS operation (TI set) **********
0253     C. Execute, after the success of OP upload.
0254     C. Set EIS TI-commands
0255  +. TI 2009-10-23 09:39:30.0
0256     DC 07-FC EIS_MODE_MANU
0257     BC       (21 02)
0258  +. TI 2009-10-23 09:39:40.0
0259     DC 07-FC EIS_MODE_CHG_DIS
0260     BC       (22)
0261   . C.                        [   ] [HK1_TI_CMD_NUM]      EQ    2 COUNTUP
0262     C. *********** End EIS operation (TI set) ***********
0263     C.
0264     C.
0265     C.
0266     C. *********** XRT START ***********
0267     C. Execute, after the success of OP upload.
0268  +. TI 2009-10-23 09:39:00.0
0269     DC 07-F0 MDP_XRT_MODE_STBY
0270     BC       (c3)
0271   . C.                        [   ] [HK1_TI_CMD_NUM]      EQ    1COUNTUP
0272     C.
0273     C. *********** XRT END ***********
0274   . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0275  +. DC 07-FC EIS_MODE_MANU
0276     BC       (21 02)
0277   . C. Verify EIS in MANUAL mode
0278   . C. Estimated OBSTBL upload time is 17s
0279     C. *****************************
0280     C. EIS START OBSTBL LOAD
0281     C. *****************************
0282   . S. RAM   ram-820:EIS_OBSTBL
0283     ()
0284  +. DC 07-FC EIS_DUMP_OBSTBL
0285     BC       (07 07 07 00 00 70 00)
0286     C.
0287     C. Execute, after the success of OBSTBL upload.
0288     C. Set EIS TI-commands
0289  +. TI 2009-10-23 09:39:50.0
0290     DC 07-FC EIS_MODE_CHG_ENA
0291     BC       (20)
```

```
0292    . C.                              [   ] [HK1_TI_CMD_NUM]      EQ    1 COUNTUP
0293      C. *********************************
0294      C. EIS END OBSTBL LOAD
0295      C. *********************************
0296      C.
0297    . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0298      C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë¾¤¤¼Â»¤¹¤ë)
0299    . S. DC-BC dcbc-402:DCBC
0300      (MDP_known_event)
0301      C.
0302      C.
0303    . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0304    . S. DC-BC dcbc-153:DCBC
0305      (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0306      C.
0307      C.
0308    . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»¡ä
0309      C.
0310    . C. *********** LOS ***********
0311      C.
```

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

main-930 2009-10-23 13:58:43 89 33 SOLAR-B MAIN //
0001      C.
0002    . C. *********** AOS ***********
0003      C.
0004    . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005      C.
0006      C. ¥Â¥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¡ÊÈ¤è½µ•ÎÍÈ¡Ë¤Ë¼ºÔ¤•¤¿¾ì¹¤Ï¡¢Ã®¸ù¤¹¤ë¤Þ¤CÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012      C.
0013      C.
0014    . C. ***** AOCS Commands (Tracking Curve Upload) ******
0015      C. Upload the Orbit Element and the Target Attitude
0016      C. RAM-ID:TARGET_ATT
0017    . S. RAM   ram-150:TARGET_ATT
0018      ()
0019      C.
0020      C.
0021      C. Set the dump memory area of TARGET_ATT
0022   +. DC 02-48 AOCU_DUMP_SET
0023      BC      (07 00 00 00 18 00)
0024      C.
0025      C.    <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026      C.
0027      C.
0028      C. Change the TLMFormatNo for the AOCS Dump Format
0029   +. DC 01-22 DHU_MODE_CHNG
0030      BC      (04 0b f8)
0031      C.
0032      C. Wait for AOCSDUMP to end
0033      C.
0034    . C. Check the dump memory
0035      C.
0036      C.                              Result = OK [ ]
0037      C.
0038   +. DC 01-22 DHU_MODE_CHNG
0039      BC      (02 0a f8)
0040      C.
0041      C.                         <A_***>[TLM STS] FMT = 2 [ ]
0042      C.
0043   +. DC 02-8E AOCU_ORB_UPD
0044    . C.
0045      C.
0046      C. *********** XRT START ***********
0047      C.      XRTD_TEMP11 = _____ (record)
0048      C.      XRTD_TEMP22 = _____ (record)
0049      C.      XRTD_EC_FW1 =  5?           OK / NG____
0050      C.      XRTD_EC_FW2 =  5?           OK / NG____
0051      C.
0052      C.
0053   +. DC 07-F0 MDP_XRT_CTRL_MANU
0054      BC      (c1)
0055   +  DC 07-F0 MDP_XRT_MODE_STBY
0056      BC      (c3)
0057      C.   MDP_XRT_CTRL_MODE  =   MANU?          OK / NG____
0058      C.   MDP_XRT_MODE       =   STBY?          OK / NG____
0059   +. DC 07-F8 XRT_STBY
0060      BC      (03 01)
0061      C.   XRTD_S_S/W_MODE    =   STBY?          OK / NG____
0062      C.
0063      C.
0064   +. DC 07-69 XRT_DISCCMD_ENA
0065      C.   HK1_XRTD_DC_ENA    =   ENA?          OK / NG____
0066   +. DC 07-66 XRT_OPHTR_OFF
0067      C.   HK1_XRTD_OPHTR_PWR =   OFF?          OK / NG____
0068   +. DC 07-61 XRT_DISCCMD_DIS
0069      C.   HK1_XRTD_DC_ENA    =   DIS?          OK / NG____
0070      C.
0071      C.   XRTD_TEMP11 = _____ (record)
0072      C.   XRTD_TEMP22 = _____ (record)
0073      C. *********** XRT END ***********
0074      C.
0075    . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0076      C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¤¢¥ë¤Ë¾¤¤¼Â»Ü¤¹¤ë)
0077    . S. DC-BC dcbc-402:DCBC
0078      (MDP_known_event)
0079      C.
0080      C.
0081    . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¹¤ëDCBC•×²è *****
0082    . S. DC-BC dcbc-153:DCBC
0083      (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0084      C.
0085      C.
0086    . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0087      C.
0088    . C. *********** LOS ***********
0089      C.
```

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

main-931 2009-10-23 13:58:43 61 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¡ËÈè½µ•îÍË¡Ë¤Ë¼ºÔ¤•¤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.  SOT table upload
0016     C. *******************************
0017  . C. < Stop FG table >
0018  +. DC 07-F0 MDP_FG_CTRL_MANU
0019     BC      (51)
0020  . C. ------------------------------------
0021     C.  MDP_FG_CTRL_MODE      = MANU    [ ]
0022     C. ------------------------------------
0023     C.
0024  . C. <Upload FG Observation Table>
0025  . S. RAM   ram-262:MDP_OBS_F
0026     ()
0027     C.
0028  . C. < Dump RAMID=MDP_OBS_F >
0029  +. DC 07-F0 MDP_DUMP_FGTBL
0030     BC      (82 07 00 00 00 38 b8)
0031     C. ------------------------------------
0032     C.  MDP_OBS_F verify = OK/NG      [ ]
0033     C. ------------------------------------
0034     C.
0035     C. *******************************
0036     C.  SOT TI command set
0037     C. *******************************
0038     C. Execute, after the success of TBL upload.
0039  +. TI 2009-10-23 09:39:18.0
0040     DC 07-F0 MDP_SOT_MODE_OBSV
0041     BC      (40)
0042  . C. ------------------------------------
0043     C.  HK1_TI_CMD_NUM      = 1 CNTUP [ ]
0044     C. ------------------------------------
0045     C.
0046     C.
0047  . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0048     C. (¾å°ÌÓ¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¼Â»Ü¤¹¤ë)
0049  . S. DC-BC dcbc-402:DCBC
0050     (MDP_known_event)
0051     C.
0052     C.
0053  . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0054  . S. DC-BC dcbc-153:DCBC
0055     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0056     C.
0057     C.
0058  . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0059     C.
0060  . C. *********** LOS ***********
0061     C.
```

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

2009/10/23  09:50:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                 AOCU_NM              5 02-76 03 00 00 00 00
2009/10/23  13:30:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                 AOCU_NM              5 02-76 03 00 00 00 00
2009/10/23  18:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                 AOCU_NM              5 02-76 00 00 00 00 00
2009/10/23  18:10:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                 AOCU_NM              5 02-76 01 00 00 00 00
2009/10/24  13:30:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                 AOCU_NM              5 02-76 03 00 00 00 00
2009/10/24  18:15:30.0  AOCS_ORe-point_Start_3_OG [0x099]
                                 AOCU_NM              5 02-76 01 00 00 00 00
2009/10/25  13:30:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                 AOCU_NM              5 02-76 03 00 00 00 00
2009/10/26  10:37:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                 AOCU_NM              5 02-76 00 00 00 00 00
```