

# 「あすか」 OPERATION REPORT Rev.5 Ver 3.1

96 年 3 月 9 日 Y+ 1113 KSC 当番: H. Kaneda, A. Yamashita and K. Haga

HP 1 → G327.1-1.1 → CHAM#1

|                           |                                                                  |                                                                           |                                                                  |                                                                      |                                                                  |           |      |             |        |        |       |
|---------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------|-----------|------|-------------|--------|--------|-------|
|                           | PASS 1                                                           | PASS 2                                                                    | PASS 3                                                           | PASS 4                                                               | PASS 5                                                           |           |      |             |        |        |       |
| Pass No.                  | 960309-0310                                                      | 960309-0413                                                               | 960309-0516                                                      | 960309-0620                                                          | 960309-0723                                                      |           |      |             |        |        |       |
| Operation                 | X REP<br>OP/OG-03 WRT<br>TCU MEM MODE<br>ERRCODE RST<br>OP START | X REP<br>SBR A RNG<br>SCT-05 WRT<br>S-CTLG CHK<br>OBSERVE MODE<br>RNG OFF | X REP<br>BDR STOP<br>X REP<br>BDR STOP                           | X REP<br>CPU2/3 STOP/RST<br>GIS MEM<br>BDR STOP<br>X REP<br>BDR STOP | X REP<br>SBR A RNG<br>RNG OFF                                    |           |      |             |        |        |       |
| Target                    | HP 1                                                             | HP 1                                                                      | HP 1                                                             | HP 1                                                                 | G327.1-1.1                                                       |           |      |             |        |        |       |
| AOS(UT)                   | 04:31:42                                                         | 06:11:55                                                                  | 07:52:48                                                         | 09:35:07                                                             | 11:16:49                                                         |           |      |             |        |        |       |
| LOS(UT)                   | 04:32:05                                                         | 06:25:06                                                                  | 08:06:47                                                         | 09:48:17                                                             | 11:29:28                                                         |           |      |             |        |        |       |
| Max-El                    | 11.274                                                           | 38.618                                                                    | Zenith                                                           | Zenith                                                               | 39.773                                                           |           |      |             |        |        |       |
| Time                      | 06:22:09                                                         | 06:18:11                                                                  | —                                                                | —                                                                    | 11:22:33                                                         |           |      |             |        |        |       |
| Rep-band(stat.)           | X ( Complete )                                                   | X ( Complete )                                                            | X ( Complete )                                                   | X ( Complete )                                                       | X ( Complete )                                                   |           |      |             |        |        |       |
| Rep-start                 | 04:32:50                                                         | 06:13:11                                                                  | 07:54:17/08:00:07                                                | 09:35:54                                                             | 11:17:43                                                         |           |      |             |        |        |       |
| DP-mode                   | OBS → TCU →<br>OBS                                               | OBS → ACS →<br>OBS                                                        | OBS                                                              | OBS → GIS →<br>OBS                                                   | OBS                                                              |           |      |             |        |        |       |
| ACS-mode                  | Normal-Pointing                                                  | Normal-Pointing                                                           | Normal-Pointing                                                  | Normal-Pointing                                                      | Normal-Pointing                                                  |           |      |             |        |        |       |
| SUN-pos $\theta_s/\phi_s$ | 4.68/354.359                                                     | 4.63/356.28                                                               | 4.55/356.22                                                      | 4.50/356.17                                                          | 8.66/181.13                                                      |           |      |             |        |        |       |
| Attitude                  | $\begin{bmatrix} 262.5433 \\ 120.0396 \\ 357.1101 \end{bmatrix}$ | $\begin{bmatrix} 262.5433 \\ 120.0393 \\ 357.1097 \end{bmatrix}$          | $\begin{bmatrix} 262.5436 \\ 120.0393 \\ 357.1100 \end{bmatrix}$ | $\begin{bmatrix} 262.54394 \\ 120.03928 \\ 357.11035 \end{bmatrix}$  | $\begin{bmatrix} 238.2565 \\ 145.0558 \\ 339.1812 \end{bmatrix}$ |           |      |             |        |        |       |
| OP-start(CE)              | 04:38:24 ( 00h )                                                 | Cont ( 0Bh )                                                              | Cont ( 16h )                                                     | Cont ( 20h )                                                         | Cont ( 2Fh )                                                     |           |      |             |        |        |       |
| GIS HAM ERR               | —                                                                | —                                                                         | —                                                                | —                                                                    | —                                                                |           |      |             |        |        |       |
| ACS ERR                   | (SH)MOMCHG →<br>Reset                                            | —                                                                         | —                                                                | —                                                                    | —                                                                |           |      |             |        |        |       |
| SIS-mode                  | Faint/Faint<br>1111/3333                                         | Faint/Faint<br>1111/3333                                                  | Faint/Faint<br>1111/3333                                         | Faint/Faint<br>1111/3333                                             | Faint/Faint<br>1111/3333                                         |           |      |             |        |        |       |
| S0/1-TECT                 | -37.11/-36.51                                                    | -36.67/-36.51                                                             | -36.33/-36.13                                                    | -35.56/-35.35                                                        | -35.61/-35.44                                                    |           |      |             |        |        |       |
| S0/1-CCDT                 | -61.67/-61.77                                                    | -61.67/-61.77                                                             | -61.67/-61.77                                                    | -61.67/-61.72                                                        | -61.62/-61.72                                                    |           |      |             |        |        |       |
| GIS-mode                  | PH(10-8-8-5-0)                                                   | PH(10-8-8-5-0)                                                            | PH(10-8-8-5-0)                                                   | PH(10-8-8-5-0)                                                       | PH(8-6-6-0-0)                                                    |           |      |             |        |        |       |
| GIS LD Hit                | 25/25 cps                                                        | 25/25 cps                                                                 | 26/29 cps                                                        | 29/30 cps                                                            | 28/28 cps                                                        |           |      |             |        |        |       |
| P X Y R S                 | Pos                                                              | MErr                                                                      | HV_HL                                                            | Gain                                                                 | RT-L RT-U                                                        | Temp      | RBMT | CalPk       | CalCnt | CalTim | RT Pk |
| 10 8 8 5 0                | FLF                                                              | No                                                                        | 3/4                                                              | 48                                                                   | 159 218                                                          | 13.1 13.1 | 13.1 | 389.17 1034 | 9928   | 183.71 |       |
| Pass: 9603090310          |                                                                  |                                                                           | 3/4                                                              | 40                                                                   | 159 218                                                          | 7.1       |      | 417.71 908  | 9928   | 181.01 |       |

SIS Mode Changes: Faint(bit-H),Faint(bit-M) 1111/3333, LVL OFF for HP 1 and G327.1-1.1.

Frame mode (S0C0101) × 1 and Frame mode (S1C2323) × 1 during HP 1 observation  
Faint(bit-H),Bright(bit-M) 1212/3030, LVL OFF, AD ON for Cham#1

GIS Mode Changes: PH 10-8-8-5-0 for HP 1 and Cham#1, 8-6-6-0-0-10 for G327.1-1.1

## Battery Condition (min/max)

|             |             |            |            |           |           |
|-------------|-------------|------------|------------|-----------|-----------|
| BAT_V-A     | BAT_V-B     | BAT_I-A    | BAT_I-B    | BAT_T-A   | BAT_T-B   |
| 19.50/23.30 | 19.50/23.30 | -4.94/5.07 | -4.38/4.78 | 5.37/6.48 | 4.82/8.46 |

## Maneuver Operation

|            |             |   |                         |                                    |
|------------|-------------|---|-------------------------|------------------------------------|
| Start Time | Target Name | # | $(\alpha, \delta)$      | $(\phi, \theta, \psi)$             |
| 3/9 10:50  | G372.1-1.1  | 4 | ( 262.7717 , -29.9817 ) | ( 238.2562 , 145.0560 , 339.1834 ) |

**Comment:** 本日の運用: We observed HP 1 (JPN, PI=Ishida) and G327.1-1.1. The counting rate of HP 1 is 0.03 counts/s (S0C1, r=3') and 0.04 counts/s (GIS, r=7').

早稲田シンポに出席したいなあ (田代様、ポスターの解説の方もどうか宜しくお願いします)。僕も東京へ帰ろうかな。仕事も充分にこなしたことだし。(金田)

ようやく消感です。こちらにいる間に重大なエラーが起きなくてホッとしているところです。しかし、早稲田シンポの準備が全然できていないので、帰れるからといって一概に喜んでばかりもいられません。(山下)

早稲田シンポに行かなくても、K S C に居れば、見学に来たぎゃーじんさんに A S C A のお話しはさせてもらーたぞなも。

上位ビットの仕事には、通訳というのものもあるそうだ。(芳賀)