

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

2000 年 01 月 24 日 Y+ 2529 KSC 当番: A. Yamashita and A. Gotou

A3558 → CL0142.9+4438

|                           | PASS 1                                                                                      | PASS 2                                                                               | PASS 3                                                                             | PASS 4                                                                          | PASS 5                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Pass No.                  | 000124-0307                                                                                 | 000124-0411                                                                          | 000124-0514                                                                        |                                                                                 | 000124-0721                                                                        |
| Operation                 | X-REP<br>OP/OG-06<br>WRT<br>TCU-MEM<br>ACS.ERR_RST<br>CPU2/3-STOP<br>CPU2/3-RST<br>OP-START | X-REP<br>SBR-A-RNG<br>STAR-04 WRT<br>S-CTLG-CHK<br>OBSERVE<br>ACS.ERR_RST<br>RNG-OFF | X-REP<br>CPU2/3-STOP<br>CPU2/3-RST<br>GIS-MEM<br>BDR-STOP<br>X-REP<br>BDR-STOP     | (AKEBONO)                                                                       | X-REP<br>ACS.ERR_RST                                                               |
| Target                    | A3558                                                                                       | A3558                                                                                | A3558                                                                              |                                                                                 | A3558                                                                              |
| AOS(UT)                   | 03:21:52                                                                                    | 05:02:21                                                                             | 06:41:54                                                                           |                                                                                 | 10:02:58                                                                           |
| LOS(UT)                   | 03:33:28                                                                                    | 05:13:53                                                                             | 06:54:30                                                                           |                                                                                 | 10:14:07                                                                           |
| Max-El                    | 21.905°                                                                                     | 63.560°                                                                              | Zenith                                                                             |                                                                                 | 18.784°                                                                            |
| Time                      | 03:27:22                                                                                    | 05:07:25                                                                             | —                                                                                  |                                                                                 | 10:08:06                                                                           |
| Rep-band(stat.)           | X ( Complete )                                                                              | X ( Complete )                                                                       | X ( Complete )                                                                     | ( )                                                                             | X ( Complete )                                                                     |
| Rep-start                 | 03:23:05                                                                                    | 05:03:07                                                                             | 06:42:38/06:48:36                                                                  |                                                                                 | 10:03:45                                                                           |
| DP-mode                   | OBS                                                                                         | OBS                                                                                  | OBS                                                                                |                                                                                 | OBS                                                                                |
| ACS-mode                  | Normal-<br>Pointing                                                                         | Normal-<br>Pointing                                                                  | Normal-<br>Pointing                                                                |                                                                                 | Normal-<br>Pointing                                                                |
| SUN-pos $\theta_s/\phi_s$ | 7.01°/99.05°                                                                                | 7.08°/99.81°                                                                         | 7.11°/100.19°                                                                      |                                                                                 | 7.19°/101.33°                                                                      |
| Attitude                  | $\begin{bmatrix} 201.7403^\circ \\ 121.4977^\circ \\ 343.1195^\circ \end{bmatrix}$          | $\begin{bmatrix} 201.7405^\circ \\ 121.4977^\circ \\ 343.1198^\circ \end{bmatrix}$   | $\begin{bmatrix} 201.7409^\circ \\ 121.4976^\circ \\ 343.1206^\circ \end{bmatrix}$ | $\begin{bmatrix} \phantom{000} \\ \phantom{000} \\ \phantom{000} \end{bmatrix}$ | $\begin{bmatrix} 201.7413^\circ \\ 121.4976^\circ \\ 343.1196^\circ \end{bmatrix}$ |
| OP-start(CE)              | 03:30:11 ( 00h )                                                                            | Cont ( 0Ch )                                                                         | Cont ( 17h )                                                                       | ( )                                                                             | Cont ( 2Fh )                                                                       |
| GIS HAM ERR               | ERR → Reset                                                                                 | —                                                                                    | —                                                                                  |                                                                                 | —                                                                                  |
| ACS ERR                   | (SH)MOMCHG<br>→ Reset                                                                       | (SH)MOMCHG<br>→ Reset                                                                | —                                                                                  |                                                                                 | (SH)MOMCHG<br>→ Reset                                                              |
| SIS-mode                  | FN/FN 1111/3333                                                                             | FN/FN 1111/3333                                                                      | FN/FN 1111/3333                                                                    |                                                                                 | FN/FN 1111/3333                                                                    |
| S0/1-TECT                 | -39.05/ —<br>38.60°C                                                                        | -38.47/ —<br>38.22°C                                                                 | -37.59/ —<br>37.29°C                                                               |                                                                                 | -36.24/ —<br>35.88°C                                                               |
| S0/1-CCDT                 | -61.62/ —<br>61.72°C                                                                        | -61.62/ —<br>61.77°C                                                                 | -61.62/ —<br>61.72°C                                                               |                                                                                 | -61.62/ —<br>61.72°C                                                               |
| 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)                                                                     |
| GIS LD Hit                | 25.3/24.7 c s <sup>-1</sup>                                                                 | 27.4/26.3 c s <sup>-1</sup>                                                          | 26.9/25.5 c s <sup>-1</sup>                                                        |                                                                                 | 21.8/23.5 c s <sup>-1</sup>                                                        |

| 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 | 1    | 3/4   | 48   | 159  | 218  | 15.3 | 15.2 | 370.25 | 607    | 15156  | 184.04 |    |
| Pass: 000124-0307 |   |   |   |   |     |      | 3/4   | 40   | 159  | 218  | 9.3  |      | 399.11 | 530    | 15156  | 180.06 |    |

SIS Mode Changes: A3558 1CCD(1111/3333) FNT/BRT, LVL OFF, ADR OFF  
CL0142.9+4438 1CCD(1111/3333) FNT/FNT, LVL OFF, ADR OFF

GIS Mode Changes: A3558 PH(10-8-8-5-0)  
CL0142.9+4438 PH(10-8-8-5-0)

## Battery Condition (min/max)

| BAT_V-A     | BAT_V-B     | BAT_I-A    | BAT_I-B    | BAT_T-A   | BAT_T-B   |
|-------------|-------------|------------|------------|-----------|-----------|
| 19.00/23.30 | 19.10/23.30 | -4.59/4.75 | -5.29/4.76 | 4.82/8.74 | 4.55/8.46 |

## Maneuver Operation

| Start Time  | Target Name   | # | ( $\alpha, \delta$ ) | ( $\phi, \theta, \psi$ )     |
|-------------|---------------|---|----------------------|------------------------------|
| 01/24 18:10 | CL0142.9+4438 | 4 | (25.7250, 44.6333)   | (25.9431, 45.2319, 201.9119) |

**Comment:** 本日の運用: The count rates of A3558 (PI=K. Yamashita (JPN)) were 1.4 c/s (SIS-0) and 1.2 c/s (GIS,  $r < 10'$ ).

● 引続き A3558 の観測です。1月22日の運用記録でGISとSISのモードを書き忘れましたが、今日と同じです。

○今回は (SH)MOMCHG にお目にかかからないと思っていたら、今日はいきなり3回もできました。だからどうってこともありませんが。(山下 A)

今日の運用も滞りなく終わりました。何故かは分かりませんが、今日の運用は妙に疲れました。4passであった上にコマンドチェックが二日分だった為でしょうか。という訳でおやすみなさい。(後藤)