

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

1996 年 10 月 06/07 日 Y+ 1324/1325 KSC 当番: Y.Terashima, C.Otani and T.Endo

RXJ0558+535 → Galactic ridge

|                           |                                                                                     |                                                                                   |                                                                                                |                                                                                 |                                                                                   |      |       |      |      |      |      |      |        |        |        |        |
|---------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|-------|------|------|------|------|------|--------|--------|--------|--------|
|                           | PASS 1                                                                              | PASS 2                                                                            | PASS 3                                                                                         | PASS 4                                                                          | PASS 5                                                                            |      |       |      |      |      |      |      |        |        |        |        |
| Pass No.                  | 961006-1445                                                                         | 961006-1548                                                                       | 961007-0104                                                                                    |                                                                                 | 961007-0310                                                                       |      |       |      |      |      |      |      |        |        |        |        |
| Operation                 | X-REP<br>SBR-A-RNG<br>OP/OG-10 WRT<br>TCU-MEM<br>ACS-ERR-RST<br>OP-START<br>RNG-OFF | X-REP<br>STAR-02 WRT<br>S-CTLG-CHK<br>OBSERVE                                     | X-REP<br>CPU2/3-STOP<br>CPU2/3-RST<br>GIS-MEM<br>BDR-STOP<br>X-REP<br>BAT-A-TCL-ON<br>BDR-STOP | (YOHKOH)                                                                        | X-REP                                                                             |      |       |      |      |      |      |      |        |        |        |        |
| Target                    | RXJ0558+535                                                                         | RXJ0558+535                                                                       | RXJ0558+535                                                                                    |                                                                                 | RXJ0558+535                                                                       |      |       |      |      |      |      |      |        |        |        |        |
| AOS(UT)                   | 22:07:53                                                                            | 23:49:20                                                                          | 01:31:10                                                                                       |                                                                                 | 04:54:56                                                                          |      |       |      |      |      |      |      |        |        |        |        |
| LOS(UT)                   | 22:21:08                                                                            | 00:02:36                                                                          | 01:44:01                                                                                       |                                                                                 | 05:04:31                                                                          |      |       |      |      |      |      |      |        |        |        |        |
| Max-El                    | 34.205°                                                                             | 77.837°                                                                           | Zenith                                                                                         |                                                                                 | 12.469°                                                                           |      |       |      |      |      |      |      |        |        |        |        |
| Time                      | 22:14:12                                                                            | 23:55:31                                                                          | —                                                                                              |                                                                                 | 04:59:20                                                                          |      |       |      |      |      |      |      |        |        |        |        |
| Rep-band(stat.)           | X ( Complete )                                                                      | X ( Complete )                                                                    | X ( Complete )                                                                                 | ( )                                                                             | X ( Complete )                                                                    |      |       |      |      |      |      |      |        |        |        |        |
| Rep-start                 | 22:09:18                                                                            | 23:50:20                                                                          | 01:31:44/01:37:40                                                                              |                                                                                 | 04:55:31                                                                          |      |       |      |      |      |      |      |        |        |        |        |
| DP-mode                   | OBS                                                                                 | OBS/ACS/OBS                                                                       | OBS/GIS/OBS                                                                                    |                                                                                 | OBS                                                                               |      |       |      |      |      |      |      |        |        |        |        |
| ACS-mode                  | Normal-Pointing                                                                     | Normal-Pointing                                                                   | Normal-Pointing                                                                                |                                                                                 | Normal-Pointing                                                                   |      |       |      |      |      |      |      |        |        |        |        |
| SUN-pos $\theta_s/\phi_s$ | 12.49°/187.44°                                                                      | 12.54°/187.52°                                                                    | 12.62°/187.59°                                                                                 |                                                                                 | 12.76°/187.98°                                                                    |      |       |      |      |      |      |      |        |        |        |        |
| Attitude                  | $\begin{bmatrix} 89.18709^\circ \\ 36.18745^\circ \\ 6.14102^\circ \end{bmatrix}$   | $\begin{bmatrix} 89.18707^\circ \\ 36.18731^\circ \\ 6.14066^\circ \end{bmatrix}$ | $\begin{bmatrix} 89.18652^\circ \\ 36.18740^\circ \\ 6.14161^\circ \end{bmatrix}$              | $\begin{bmatrix} \phantom{000} \\ \phantom{000} \\ \phantom{000} \end{bmatrix}$ | $\begin{bmatrix} 89.18623^\circ \\ 36.18777^\circ \\ 6.14178^\circ \end{bmatrix}$ |      |       |      |      |      |      |      |        |        |        |        |
| OP-start(CE)              | 22:18:09 ( 00h )                                                                    | Cont ( 0Ch )                                                                      | Cont ( 16h )                                                                                   | ( )                                                                             | Cont ( 2Ah )                                                                      |      |       |      |      |      |      |      |        |        |        |        |
| GIS HAM ERR               | OK                                                                                  | OK                                                                                | OK                                                                                             |                                                                                 | OK                                                                                |      |       |      |      |      |      |      |        |        |        |        |
| ACS ERR                   | (SH)MOMCHG<br>→ Reset                                                               | —                                                                                 | —                                                                                              | —                                                                               | —                                                                                 |      |       |      |      |      |      |      |        |        |        |        |
| SIS-mode                  | Faint<br>1111/3333                                                                  | Faint<br>1111/3333                                                                | Faint<br>1111/3333                                                                             |                                                                                 | Faint<br>1111/3333                                                                |      |       |      |      |      |      |      |        |        |        |        |
| S0/1-TECT                 | -36.62/-36.56°C                                                                     | -36.72/-36.71°C                                                                   | -36.62/-36.66°C                                                                                |                                                                                 | -35.56/-35.69°C                                                                   |      |       |      |      |      |      |      |        |        |        |        |
| S0/1-CCDT                 | -61.20/-60.78°C                                                                     | -61.34/-60.92°C                                                                   | -61.43/-61.02°C                                                                                |                                                                                 | -61.43/-61.02°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                | 28/28 cps                                                                           | 28/28 cps                                                                         | 31/30 cps                                                                                      |                                                                                 | 24/25 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                                                                               | 0    | 3/4   | 48   | 159  | 218  | 18.0 | 18.0 | 374.31 | 737    | 9282   | 184.18 |
| Pass: 961006-1445         |                                                                                     |                                                                                   |                                                                                                |                                                                                 |                                                                                   |      | 3/4   | 40   | 159  | 218  | 12.5 |      | 395.72 | 715    | 9282   | 179.65 |

SIS Mode Changes: Faint/Bright 1111/3333 → Faint 1111/3333

GIS Mode Changes: PH 10-8-8-5-0-0

## Battery Condition (min/max)

| BAT_V-A     | BAT_V-B     | BAT_I-A    | BAT_I-B    | BAT_T-A   | BAT_T-B   |
|-------------|-------------|------------|------------|-----------|-----------|
| 19.30/23.30 | 19.30/23.30 | -4.42/5.07 | -4.55/4.78 | 4.82/9.03 | 4.82/8.46 |

## Maneuver Operation

| Start Time  | Target Name    | # | ( $\alpha, \delta$ )   | ( $\phi, \theta, \psi$ )          |
|-------------|----------------|---|------------------------|-----------------------------------|
| 10/07 11:30 | Galactic ridge | 2 | ( 280.7000 , -4.2000 ) | ( 280.9237 , 94.0053 , 184.0420 ) |

**Comment:** 本日の運用: We observed RXJ0558+535 (PI Mukai, USJ). The counting rates were 0.6c/s for SIS0+1 and 0.4c/s for GIS2+3. 今日は5時40分に起きて日の出を見ました。星もきれいだったけど、朝焼けもきれいです。(遠藤)。冷蔵庫に入りきらないくらい山のようなビールと、小鹿1本と魔王をさげて大谷さんが到着されました。(寺島)。噂の魔王を買ってきたら、まだストックがあった。これから試飲します。(大谷)