

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

1997 年 03 月 29 日 Y+ 1498 KSC 当番: S. Uno and N. Ota

IRAS18325-5926

|                                       |                                                                                  |                                                                                  |                                                                                  |                                                                                 |                                                                                 |           |      |            |        |        |       |
|---------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------|------|------------|--------|--------|-------|
|                                       | PASS 1                                                                           | PASS 2                                                                           | PASS 3                                                                           | PASS 4                                                                          | PASS 5                                                                          |           |      |            |        |        |       |
| Pass No.                              | 970329-0618                                                                      | 970329-0721                                                                      | 970329-0825                                                                      |                                                                                 |                                                                                 |           |      |            |        |        |       |
| Operation                             | X-REP<br>CPU2/3-STOP<br>CPU2/3-RST<br>OP/OG-15 WRT<br>TCU-MEM<br>OP-START        | X-REP<br>SBR-A-RNG<br>CPU2/3-STOP<br>CPU2/3-RST<br>GIS-MEM<br>RNG-OFF            | X-REP<br>BDR-STOP<br>X-REP<br>BDR-STOP                                           | (HALCA)                                                                         | (HALCA)                                                                         |           |      |            |        |        |       |
| Target                                | IRAS18325-5926                                                                   | IRAS18325-5926                                                                   | IRAS18325-5926                                                                   |                                                                                 |                                                                                 |           |      |            |        |        |       |
| AOS(UT)                               | 08:38:57                                                                         | 10:21:01                                                                         | 12:02:10                                                                         |                                                                                 |                                                                                 |           |      |            |        |        |       |
| LOS(UT)                               | 08:51:39                                                                         | 10:33:10                                                                         | 12:14:35                                                                         |                                                                                 |                                                                                 |           |      |            |        |        |       |
| Max-El<br>Time                        | 25.856°<br>08:45:19                                                              | 68.538°<br>10:26:28                                                              | Zenith<br>—                                                                      |                                                                                 |                                                                                 |           |      |            |        |        |       |
| Rep-band(stat.)<br>Rep-start          | X ( Complete )<br>08:40:01                                                       | X ( Complete )<br>10:21:29                                                       | X ( Complete )<br>12:02:45/12:08:37                                              | ( )                                                                             | ( )                                                                             |           |      |            |        |        |       |
| DP-mode                               | OBS/TCU/OBS                                                                      | OBS                                                                              | OBS                                                                              |                                                                                 |                                                                                 |           |      |            |        |        |       |
| ACS-mode<br>SUN-pos $\theta_s/\phi_s$ | Normal-Pointing<br>4.39°/ 123.50°                                                | Normal-Pointing<br>4.48°/ 123.97°                                                | Normal-Pointing<br>—/—                                                           |                                                                                 |                                                                                 |           |      |            |        |        |       |
| Attitude                              | $\begin{bmatrix} 278.8775^\circ \\ 149.4895^\circ \\ 6.0586^\circ \end{bmatrix}$ | $\begin{bmatrix} 278.8775^\circ \\ 149.4895^\circ \\ 6.0586^\circ \end{bmatrix}$ | $\begin{bmatrix} 278.8775^\circ \\ 149.4895^\circ \\ 6.0586^\circ \end{bmatrix}$ | $\begin{bmatrix} \phantom{000} \\ \phantom{000} \\ \phantom{000} \end{bmatrix}$ | $\begin{bmatrix} \phantom{000} \\ \phantom{000} \\ \phantom{000} \end{bmatrix}$ |           |      |            |        |        |       |
| OP-start(CE)                          | 08:48:39 ( 00h )                                                                 | Cont ( 0Bh )                                                                     | Cont ( 14h )                                                                     | ( )                                                                             | ( )                                                                             |           |      |            |        |        |       |
| GIS HAM ERR                           | ERR→Reset                                                                        | —                                                                                | —                                                                                |                                                                                 |                                                                                 |           |      |            |        |        |       |
| ACS ERR                               | —                                                                                | —                                                                                | —                                                                                |                                                                                 |                                                                                 |           |      |            |        |        |       |
| SIS-mode<br>S0/1-TECT<br>S0/1-CCDT    | Faint<br>1111/3333<br>−37.64/−37.92°C<br>−61.67/−61.77°C                         | Faint<br>1111/3333<br>−37.25/−37.53°C<br>−61.67/−61.77°C                         | Faint<br>1111/3333<br>−37.01/−37.29°C<br>−61.67/−61.77°C                         |                                                                                 |                                                                                 |           |      |            |        |        |       |
| GIS-mode<br>GIS LD Hit                | PH(10-8-8-5-0)<br>26/25 cps                                                      | PH(10-8-8-5-0)<br>29/29 cps                                                      | PH(10-8-8-5-0)<br>31/35 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                                                                              | 1                                                                                | 3/4                                                                              | 48                                                                              | 159 218                                                                         | 13.6 13.6 | 13.6 | 384.44 614 | 9340   | 183.66 |       |
| Pass: 970329-0618                     |                                                                                  |                                                                                  | 3/4                                                                              | 40                                                                              | 159 218                                                                         | 7.6       |      | 413.01 548 | 9340   | 180.63 |       |

SIS Mode Changes: IRAS18325-5926: 1111/3333 Faint (LD OFF/ON H/M, AD OFF)

GIS Mode Changes: IRAS18325-5926: 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   |
|-------------|-------------|------------|------------|-----------|-----------|
| 19.20/23.30 | 19.20/23.30 | −4.68/4.75 | −4.60/4.78 | 4.82/9.03 | 4.82/8.46 |

## Maneuver Operation

| Start Time | Target Name | # | ( $\alpha, \delta$ ) | ( $\phi, \theta, \psi$ ) |
|------------|-------------|---|----------------------|--------------------------|
|------------|-------------|---|----------------------|--------------------------|

**Comment:** 本日の運用: We have been observing IRAS18325-5926 (JPN, PI=H. Kunieda). Its counting rate is 0.33 c/s (GIS 6 arc min radius). The spectrum could be represented by single power-law model plus absorption. The photon index is 1.86(GIS2+3) and absorption column density is  $9 \times 10^{21}$ atms/cm<sup>2</sup>. Although the total exposure time (for KSC QL) has much improved, the diskline profile is still marginal.

一週間無事に過ぎました。KSC と外部のネットワークが早くなり、かなり快適に仕事ができ嬉しです。明日はお休み。お出かけしようと思っていますが、昼起きの習慣がついているので朝早く起きられるかちょっと心配。(宇野)

KSC 来ると、普段とは違ういろいろなターゲットの解析ができるので勉強になります。IRAS18325-5926 は、積分時間も段々と加算され、今日こそは鉄ラインなるものに出会えるかと期待していましたが、ハンバーガー 7 個な結果に終わってしまいました。明日は、ここにきて初めてのお休みです。噂の網元のお刺身が楽しみです。(太田)