

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

94 年 12 月 06 日 Y+ 654 KSC 当番: Y.Fukazawa、Y.Segawa

Mrk231/Mrk279/FAIRALL9#2

|                              | PASS 1                                                          | PASS 2                                                                | PASS 3                                                       | PASS 4                                                                     | PASS 5                                                             |      |      |        |        |             |
|------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------|------|------|--------|--------|-------------|
| Pass No.                     | 941205-1030                                                     | 941205-1133                                                           | 941205-1237                                                  | 941205-1340                                                                | 941205-1443                                                        |      |      |        |        |             |
| Operation                    | XREP<br>OP/OG-15 WRT<br>TCU MEM MODE<br>ACS-ERR-RST<br>OP START | X REP<br>SBR-A-RNG<br>SCT-02 WRT<br>S-CTLG CHK<br>OBS MODE<br>RNG-OFF | XREP<br>BDR STOP<br>XREP<br>BDR STOP<br>ACS-ERR-RST          | XREP<br>SBR-A-RNG<br>CPU 2/3 STP<br>CPU 2/3 RST<br>CPU MEM MODE<br>RNG-OFF | XREP                                                               |      |      |        |        |             |
| Target                       | Mrk231                                                          | Mrk231                                                                | Mrk231                                                       | Mrk279                                                                     | Mrk279                                                             |      |      |        |        |             |
| AOS(UT)                      | 14:40:02                                                        | 16:21:59                                                              | 18:02:46                                                     | 19:44:39                                                                   | 21:26:00                                                           |      |      |        |        |             |
| LOS(UT)                      | 14:52:00                                                        | 16:33:49                                                              | 18:15:43                                                     | 19:57:05                                                                   | 21:37:54                                                           |      |      |        |        |             |
| Max-El                       | 18.438                                                          | 56.205                                                                | Zenith                                                       | 64.005                                                                     | 23.796                                                             |      |      |        |        |             |
| Time                         | 14:46:00                                                        | 16:27:08                                                              | ——                                                           | 19:50:09                                                                   | 21:31:25                                                           |      |      |        |        |             |
| Rep-band(stat.)              | X ( Complete )                                                  | X ( Complete )                                                        | X ( Complete )                                               | X ( Complete )                                                             | X ( Complete )                                                     |      |      |        |        |             |
| Rep-start                    | 14:41:14                                                        | 16:22:29                                                              | 18:03:29/18:09:17                                            | 19:45:17                                                                   | 21:26:37                                                           |      |      |        |        |             |
| DP-mode                      | OBS                                                             | OBS/ACS/OBS                                                           | OBS                                                          | OBS                                                                        | OBS                                                                |      |      |        |        |             |
| ACS-mode                     | Normal-Pointing                                                 | Normal-Pointing                                                       | Normal-Pointing                                              | Normal-Pointing                                                            | Normal-Pointing                                                    |      |      |        |        |             |
| ACS-spn/ $\theta_s$ $\phi_s$ | —/—                                                             | —/—                                                                   | —/—                                                          | 7.03, 179.28                                                               | 7.06, 179.92                                                       |      |      |        |        |             |
| Attitude                     | $\begin{bmatrix} 193.713 \\ 33.051 \\ 319.538 \end{bmatrix}$    | $\begin{bmatrix} 193.712 \\ 33.051 \\ 319.538 \end{bmatrix}$          | $\begin{bmatrix} 193.712 \\ 33.051 \\ 319.538 \end{bmatrix}$ | $\begin{bmatrix} 207.756 \\ 20.587 \\ 310.625 \end{bmatrix}$               | $\begin{bmatrix} 207.75650 \\ 20.58802 \\ 310.62538 \end{bmatrix}$ |      |      |        |        |             |
| OP-start(CE)                 | 14:48:50 ( 00h )                                                | Cont ( 08h )                                                          | Cont ( 10h )                                                 | Cont ( 1Eh )                                                               | Cont ( 26h )                                                       |      |      |        |        |             |
| GIS HAM ERR                  | Normal                                                          | Normal                                                                | Normal                                                       | Normal                                                                     | Normal                                                             |      |      |        |        |             |
| ACS ERR                      | (SH)MOMCHG                                                      | ——-                                                                   | (SH)MOMCHG                                                   | ——-                                                                        | ——-                                                                |      |      |        |        |             |
| SIS-mode                     | Faint/Faint<br>0101/2323                                        | Faint/Faint<br>0101/2323                                              | Faint/Faint<br>0101/2323                                     | Faint/Faint<br>0101/2323                                                   | Faint/Faint<br>0101/2323                                           |      |      |        |        |             |
| S0/1-TECT                    | -33.91/-33.99                                                   | -34.25/-34.28                                                         | -34.49/-34.57                                                | -35.07/-35.15                                                              | -35.65/-35.74                                                      |      |      |        |        |             |
| S0/1-CCDT                    | -60.63/-60.36                                                   | -60.68/-60.45                                                         | -60.68/-60.41                                                | -60.68/-60.41                                                              | -60.78/-60.50                                                      |      |      |        |        |             |
| 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(10-8-8-5-0)                                                     |      |      |        |        |             |
| GIS LD Hit                   | 23cps/18cps                                                     | 26cps/26cps                                                           | 26cps/28cps                                                  | 27cps/29cps                                                                | 23cps/26cps                                                        |      |      |        |        |             |
| P X Y R S                    | Pos                                                             | MErr                                                                  | HV_HL                                                        | Gain                                                                       | RT-L RT-U                                                          | Temp | RBMT | CalPk  | RT Pk  | CalCnt/time |
| 10 8 8 5 0                   | FLF                                                             | NO                                                                    | 3/4                                                          | 48                                                                         | 159 218                                                            | 14.7 | 15.2 | 391.77 | 183.93 | 1881        |
| Pass: 941205-1030            |                                                                 |                                                                       | 3/4                                                          | 40                                                                         | 159 218                                                            | 9.3  |      | 412.33 | 180.72 | 1760        |

GIS Mode Changes: None

## Battery Condition (min/max)

|             |             |            |            |           |           |
|-------------|-------------|------------|------------|-----------|-----------|
| BAT_V-A     | BAT_V-B     | BAT_I-A    | BAT_I-B    | BAT_T-A   | BAT_T-B   |
| 19.80/23.50 | 19.80/23.50 | -4.55/4.75 | -4.68/4.89 | 4.82/8.74 | 4.82/8.17 |

## Maneuver Operation

| Start Time  | Target Name | # | ( $\alpha$ , $\delta$ ) | ( $\phi$ , $\theta$ , $\psi$ ) |
|-------------|-------------|---|-------------------------|--------------------------------|
| 12/05 18:50 | Mrk279      | 6 | ( 208.258 , 69.308 )    | ( 207.756 , 20.590 , 310.625 ) |
| 12/06 7:10  | FAIRALL9#2  | 1 | ( 20.940 , -58.804 )    | ( 21.099 , 148.612 , 227.226 ) |

## Comment: 本日の運用:

SIS count rate of Mrk231 is 0.01c/s. SIS count rate of Mrk279 is 1.0c/s. 3 パス目は途中まで ACS-ERR が出ていなかったのに、消感チェックをしてからしばらくして ACS-ERR が出ていることに気づいて、アンテナを止める直前に ACS-ERR-RST を打ち、なんとか real 中に reset した。最近は天気が良く、散歩していて気持ちが良いが、なかなか種子島が見えない。(深沢) 今日、午前中に町まで行って海を見て来ました。鮮やかな青に見える海を見たのは初めて。(瀬川)