

| Start Time  | Target Name   | # | $(\alpha, \delta)$     | $(\phi, \theta, \psi)$           |
|-------------|---------------|---|------------------------|----------------------------------|
| 08/14 22:50 | MS0353.6-3642 | 3 | ( 58.8782 , -36.5622 ) | ( 58.7034 , 126.7472 , 18.9635 ) |
| 08/15 11:50 | Epsilon Eri   | 4 | ( 53.2325 , -9.4583 )  | ( 53.0675 , 99.6095 , 18.5611 )  |

**Comment:** 本日の運用:  
The count rates of NGC1365 observed with the SIS and the GIS are 0.05 cps and 0.03 cps, respectively. The count rates of MS0353.6-3642 observed with the SIS and the GIS are 0.08 cps and 0.03 cps, respectively.  
今日は operation が多くて、書く欄がないので上位ビット様は全て下位ビットの私に譲ってくれました。  
つまり … (今日は、暗黙のうちに何にも書くなといわれた 宮田)

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

94 年 8 月 14/15 日 Y+ 540/541 KSC 当番: S.Yamauchi、E.Miyata

NGC1365/MS0353.6-3642/Epsilon Eri

|                              | PASS 1                                                                                                                                                       | PASS 2                                                                                        | PASS 3                                                            | PASS 4                                                                         | PASS 5                                                            |      |      |        |        |             |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------|------|------|--------|--------|-------------|
| Pass No.                     | 940814-1445                                                                                                                                                  | 940815-0001                                                                                   | 940815-0104                                                       | 940815-0207                                                                    | 940815-0311                                                       |      |      |        |        |             |
| Operation                    | X REP<br>OP/OG-14<br>TCU MEM MODE<br><br>STAR-1(#3)<br>S-CTLG CHK<br>OBSERVE MODE<br><br>ROG-47<br>ROG-48<br>ROG-49<br>CPU2/3 STOP<br>CPU2/3 RST<br>OP START | X REP<br>SBR-A RNG<br>STAR-2(#4)<br>S-CTLG CHK<br>OBSERVE MODE<br>DE-0 ADRS ON<br><br>RNG OFF | X REP<br>DE-0 ADRS ON<br><br>BDR STOP<br>X REP<br>BDR STOP        | X REP<br>SBR-A RNG<br>CPU2/3 STOP<br>CPU2/3 RST<br>GIS MEM MODE<br><br>RNG OFF | X REP                                                             |      |      |        |        |             |
| Target                       | NGC1365                                                                                                                                                      | MS0353.6-3642                                                                                 | MS0353.6-3642                                                     | MS0353.6-3642                                                                  | MS0353.6-3642                                                     |      |      |        |        |             |
| AOS(UT)                      | 22:25:20                                                                                                                                                     | 00:06:58                                                                                      | 01:48:18                                                          | 03:30:05                                                                       | 05:12:00                                                          |      |      |        |        |             |
| LOS(UT)                      | 22:37:55                                                                                                                                                     | 00:19:42                                                                                      | 02:01:15                                                          | 03:42:55                                                                       | 05:23:17                                                          |      |      |        |        |             |
| Max-El<br>Time               | 28.350<br>22:31:14                                                                                                                                           | 72.800<br>00:12:34                                                                            | Zenith<br>—                                                       | 49.561<br>03:35:43                                                             | 16.664<br>05:16:56                                                |      |      |        |        |             |
| Rep-band(stat.)              | X ( Complete )                                                                                                                                               | X ( Complete )                                                                                | X ( Complete )                                                    | X ( Complete )                                                                 | X ( Complete )                                                    |      |      |        |        |             |
| Rep-start                    | 22:26:54                                                                                                                                                     | 00:10:22                                                                                      | 01:49:14/01:54:52                                                 | 03:30:40                                                                       | 05:12:58                                                          |      |      |        |        |             |
| DP-mode                      | OBS/ACS/OBS                                                                                                                                                  | OBS/ACS/OBS                                                                                   | OBS                                                               | OBS                                                                            | OBS                                                               |      |      |        |        |             |
| ACS-mode                     | Normal-Pointing                                                                                                                                              | Normal-Pointing                                                                               | Normal-Pointing                                                   | Normal-Pointing                                                                | Normal-Pointing                                                   |      |      |        |        |             |
| ACS-spn/ $\theta_s \ \phi_s$ | 10.33, 152.20                                                                                                                                                | 7.10, 134.00                                                                                  | 7.19, 133.86                                                      | 7.27, 133.87                                                                   | 7.34, 133.60                                                      |      |      |        |        |             |
| Attitude                     | $\begin{bmatrix} 53.19136 \\ 126.25066 \\ 15.63744 \end{bmatrix}$                                                                                            | $\begin{bmatrix} 58.70410 \\ 126.74550 \\ 18.96479 \end{bmatrix}$                             | $\begin{bmatrix} 58.70379 \\ 126.74593 \\ 18.96399 \end{bmatrix}$ | $\begin{bmatrix} 58.70370 \\ 126.74567 \\ 18.96413 \end{bmatrix}$              | $\begin{bmatrix} 58.70357 \\ 126.74560 \\ 18.96385 \end{bmatrix}$ |      |      |        |        |             |
| OP-start(CE)                 | 22:34:50 ( 00h )                                                                                                                                             | Cont ( 10h )                                                                                  | Cont ( 19h )                                                      | Cont ( 23h )                                                                   | Cont ( 2Dh )                                                      |      |      |        |        |             |
| GIS HAM ERR                  | Error                                                                                                                                                        | Normal                                                                                        | Normal                                                            | Normal                                                                         | Normal                                                            |      |      |        |        |             |
| ACS ERR                      | —                                                                                                                                                            | —                                                                                             | —                                                                 | —                                                                              | —                                                                 |      |      |        |        |             |
| SIS-mode                     | Faint/Faint<br>0101/2323                                                                                                                                     | Faint/Faint<br>1212/3030                                                                      | Faint/Faint<br>1212/3030                                          | Faint/Faint<br>1212/3030                                                       | Faint/Faint<br>1212/3030                                          |      |      |        |        |             |
| S0/1-TECT                    | −37.93/−37.68                                                                                                                                                | −38.52/−38.17                                                                                 | −38.81/−38.41                                                     | −38.03/−37.68                                                                  | −38.03/−37.68                                                     |      |      |        |        |             |
| S0/1-CCDT                    | −61.62/−61.67                                                                                                                                                | −61.67/−61.77                                                                                 | −61.67/−61.77                                                     | −61.67/−61.77                                                                  | −61.67/−61.77                                                     |      |      |        |        |             |
| 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                   | 26cps/24cps                                                                                                                                                  | 29cps/28cps                                                                                   | 27cps/32cps                                                       | 30cps/27cps                                                                    | 23cps/25cps                                                       |      |      |        |        |             |
| 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                                                                                                                                                          | NONE                                                                                          | 3/4                                                               | 48                                                                             | 159 218                                                           | 14.2 | 14.1 | 395.66 | 183.91 | 1764        |
| Pass: 9408141445             |                                                                                                                                                              |                                                                                               | 3/4                                                               | 40                                                                             | 159 218                                                           | 9.3  |      | 412.28 | 181.03 | 1493        |
| GIS Mode Changes: 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   |
| 20.00/23.40 | 20.00/23.50 | -4.08/4.75 | -4.21/4.78 | 4.82/8.74 | 4.82/8.46 |

## Maneuver Operation