

はありますが…。1パス目、長〜いOPを書き込みました。どのくらい長かったかというと、運用作成時に一度はOPのアドレスが足りなくなったほどです。減量した結果、ようやく241個になったとか。相模原当番の紀伊さん、加保さん、サポートして下さった方、ご苦労様でした。

眠い。(藤本)

今日の1回目の受信のlock on直後、眠気まなこでQL画面を眺めていると、太陽角が60度だとかとんでもない数字が画面中にあふれていてビビりました。「もしかしてコレが噂に聞くセーフホールドかぁ」などと青ざめてしまいましたが、しばらくしたら正常な値に戻りました。機械も朝にはボケるようです。(菊池)

# 「あすか」 OPERATION REPORT Ver.1.5

94 年 5 月 13/14 日 Y+ 447/448 KSC 当番: R. Fujimoto 、 K. Kikuchi

NGC3258 → CHAMAELEON I

|                                |                                                                              |                                                                                                                         |                                                                                          |                                                                                          |                                                                  |           |                    |       |       |             |
|--------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------|--------------------|-------|-------|-------------|
|                                | PASS 1                                                                       | PASS 2                                                                                                                  | PASS 3                                                                                   | PASS 4                                                                                   | PASS 5                                                           |           |                    |       |       |             |
| Pass No.                       | 940513-1238                                                                  | 940513-1341                                                                                                             | 940513-1445                                                                              | 940513-1548                                                                              | 940514-0104                                                      |           |                    |       |       |             |
| Operation                      | X REP<br>OP/OG WT/CK<br><br>TCU MEM MODE<br><br>DE-0 ADRS ON<br><br>OP START | X REP<br>SBR-A RNG<br>S-CTLG WT/CK<br><br>OBSERVE MODE<br><br>DE-0 ADRS ON<br><br>GIS CPU STP<br>GIS CPU RST<br>RNG OFF | X REP<br>DE-0 ADRS ON<br><br>GIS CPU STP<br>GIS CPU RST<br>BDR STOP<br>X REP<br>BDR STOP | X REP<br>GIS CPU STP<br>GIS CPU RST<br>BDR STOP<br>X REP<br>GIS MEM MODE<br><br>BDR STOP | X REP<br>SBR-A RNG<br>RNG OFF                                    |           |                    |       |       |             |
| Target                         | NGC3258                                                                      | NGC3258                                                                                                                 | NGC3258                                                                                  | NGC3258                                                                                  | NGC3258                                                          |           |                    |       |       |             |
| AOS(UT)                        | 18:47:41                                                                     | 20:28:17                                                                                                                | 22:09:57                                                                                 | 23:51:44                                                                                 | 01:33:23                                                         |           |                    |       |       |             |
| LOS(UT)                        | 18:58:32                                                                     | 20:41:03                                                                                                                | 22:22:30                                                                                 | 00:04:06                                                                                 | 01:45:11                                                         |           |                    |       |       |             |
| Max-El<br>Time                 | 11.741<br>18:53:06                                                           | 38.960<br>20:34:15                                                                                                      | Zenith<br>—                                                                              | Zenith<br>—                                                                              | 34.893<br>01:38:42                                               |           |                    |       |       |             |
| Rep-band(stat.)                | X ( Completed )                                                              | X ( Completed )                                                                                                         | X ( Completed )                                                                          | X ( Completed )                                                                          | X ( Completed )                                                  |           |                    |       |       |             |
| Rep-start                      | 18:48:49                                                                     | 20:29:27                                                                                                                | 22:10:41/22:16:23                                                                        | 23:52:29/23:57:45                                                                        | 01:33:59                                                         |           |                    |       |       |             |
| DP-mode                        | OBS                                                                          | OBS/ACS/OBS                                                                                                             | OBS                                                                                      | OBS                                                                                      | OBS                                                              |           |                    |       |       |             |
| ACS-mode                       | Normal-Pointing                                                              | Normal-Pointing                                                                                                         | Normal-Pointing                                                                          | Normal-Pointing                                                                          | Normal-Pointing                                                  |           |                    |       |       |             |
| ACS-spn/ $\theta_s$ $\phi_s$   | 24.16°, 178.28°                                                              | 24.14°, 178.22°                                                                                                         | 24.09°, 178.09°                                                                          | 24.05°, 177.91°                                                                          | 24.02°, 177.78°                                                  |           |                    |       |       |             |
| Attitude                       | $\begin{bmatrix} 157.4705 \\ 125.5347 \\ 174.6396 \end{bmatrix}$             | $\begin{bmatrix} 157.4702 \\ 125.5348 \\ 174.6400 \end{bmatrix}$                                                        | $\begin{bmatrix} 157.4706 \\ 125.5348 \\ 174.6398 \end{bmatrix}$                         | $\begin{bmatrix} 157.4710 \\ 125.5347 \\ 174.6395 \end{bmatrix}$                         | $\begin{bmatrix} 157.4710 \\ 125.5348 \\ 174.6395 \end{bmatrix}$ |           |                    |       |       |             |
| OP-start(CE)                   | 18:54:33 ( 00h )                                                             | Cont ( 08h )                                                                                                            | Cont ( 10h )                                                                             | Cont ( 19h )                                                                             | Cont ( 23h )                                                     |           |                    |       |       |             |
| SIS-mode                       | Bright/Bright<br>0123/2301                                                   | Bright/Bright<br>0123/2301                                                                                              | Bright/Bright<br>0123/2301                                                               | Bright/Bright<br>0123/2301                                                               | Bright/Bright<br>0123/2301                                       |           |                    |       |       |             |
| S0/1-TECT                      | -33.18/-33.26                                                                | -33.71/-33.79                                                                                                           | -34.39/-34.42                                                                            | -34.83/-34.86                                                                            | -35.32/-35.35                                                    |           |                    |       |       |             |
| S0/1-CCDT                      | -59.18/-58.86                                                                | -59.27/-59.00                                                                                                           | -59.46/-59.19                                                                            | -59.65/-59.28                                                                            | -59.84/-59.51                                                    |           |                    |       |       |             |
| 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                     | 25cps/22cps                                                                  | 24cps/22cps                                                                                                             | 27cps/26cps                                                                              | 26cps/27cps                                                                              | 27cps/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                                                                          | 3                                                                                                                       | 3/4                                                                                      | 48                                                                                       | 159 218                                                          | 19.1 19.6 | 386.80 184.28 2502 |       |       |             |
| Pass: 9405131238               |                                                                              |                                                                                                                         | 3/4                                                                                      | 40                                                                                       | 159 218                                                          | 14.2      | 401.65 180.27 2397 |       |       |             |
| GIS Mode Changes: 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   |
|-------------|-------------|------------|------------|-----------|-----------|
| 19.90/23.50 | 20.00/23.50 | -4.29/4.75 | -4.51/4.78 | 4.82/8.74 | 4.82/8.46 |

## Manoeuvre Operation

| Start Time  | Target Name | # | $(\alpha, \delta)$      | $(\phi, \theta, \psi)$             |
|-------------|-------------|---|-------------------------|------------------------------------|
| 05/14 5:10  | CHAMAELEON1 | 1 | ( 167.5000 , -76.5333 ) | ( 168.2059 , 166.3284 , 203.4757 ) |
| 05/14 16:10 | CHAMAELEON2 | 2 | ( 167.5000 , -76.8666 ) | ( 168.2218 , 166.6492 , 203.1170 ) |
| 5/15 8:10   | CHAMAELEON3 | 3 | ( 166.7500 , -77.6666 ) | ( 167.5218 , 167.1279 , 201.9308 ) |

**Comment:** We continued to observe elliptical galaxy NGC3258 and its local group (PI:Yoshii). Though integrating KSC data of two days, expected point sources were not so clear in SIS.

本日の運用: 1 パス目、SIS1 の温度が -58 度台に達していたことを報告します。その後徐々に回復しているようで