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

95 年 3 月 28 日　Y+ 765　KSC 当番: R. Fujimoto and K. Sasaki, K. Hashimotodani

200pc Ring #2 ⟶ M28

| | PASS 1 | PASS 2 | PASS 3 | PASS 4 | PASS 5 |
|---|---|---|---|---|---|
| Pass No. | 950328–0516 | 950328–0620 | 950328–0723 | 950328–0826 | 950328–0930 |
| Operation | X REP<br>OP/OG 13 WRT<br>TCU MEM MODE<br>ERRCODE RST<br>OP START | X REP<br>SBR-A RNG<br>S-CTLG 02 WRT<br>S-CTLG CHK<br>OBSERVE MODE<br>DE-0 ADRS OF<br>ERRCODE RST<br>RNG OFF | X REP<br>DE-0 ADRS OF<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>RNG OFF | X REP |
| Target | 200pc Ring #2 | 200pc Ring #2 | 200pc Ring #2 | 200pc Ring #2 | 200pc Ring #2 |
| AOS(UT) | 07:53:56 | 09:35:50 | 11:16:56 | 12:58:44 | 14:40:27 |
| LOS(UT) | 08:06:12 | 09:47:51 | 11:29:25 | 13:10:52 | 14:51:16 |
| Max-El | 25.732 | 69.506 | Zenith (88.347) | 49.548 | 16.199 |
| Time | 07:59:53 | 09:41:08 | (11:22:38) | 13:04:04 | 14:45:11 |
| Rep-band(stat.) | X ( Complete ) | X ( Complete ) | X ( Complete ) | X ( Complete ) | X ( Complete ) |
| Rep-start | 07:55:35 | 09:36:24 | 11:17:55/11:23:16 | 12:59:20 | 14:41:26 |
| DP-mode | OBS | OBS/ACS/OBS | OBS | OBS | OBS |
| ACS-mode | Normal–Pointing | Normal–Pointing | Normal–Pointing | Normal–Pointing | Normal–Pointing |
| SUN-pos $\theta_S/\phi_S$ | 10.77/180.08 | 10.84/180.08 | 10.89/179.95 | —/— | —/— |
| Attitude | 265.74286<br>120.17379<br>356.90203 | 265.74287<br>120.17386<br>356.90172 | 265.74263<br>120.17360<br>356.90183 | 265.74219<br>120.17400<br>356.90114 | 265.74251<br>120.17384<br>356.90176 |
| OP-start(CE) | 08:03:18 ( 00h ) | Cont ( 0Ah ) | Cont ( 13h ) | Cont ( 1Dh ) | Cont ( 29h ) |
| GIS HAM ERR | Normal | Normal | Normal | Normal | Normal |
| ACS ERR | (SH)MOMCHG | (SH)MOMCHG | —— | —— | —— |
| 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 | −34.83/−35.06 | −34.39/−34.62 | −34.05/−34.23 | −33.86/−34.08 | −33.86/−34.08 |
| S0/1-CCDT | −61.57/−61.53 | −61.53/−61.53 | −61.43/−61.39 | −61.34/−61.20 | −61.15/−61.02 |
| 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 | 23/23 cps | 27/31 cps | 28/34 cps | 32/29 cps | 27/29 cps |

| P | X | Y | R | S | Pos | MErr | HV_HL | Gain | RT-L | RT-U | Temp | RBMT | CalPk | CalCnt/sec | RT Pk |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 8 | 8 | 5 | 0 | FLF | No | 3/4 | 48 | 159 | 218 | 15.8 | 16.3 | 386.86 | 0.108 | 183.84 |
| Pass: 950328-0516 | | | | | | | 3/4 | 40 | 159 | 218 | 10.9 | | 412.04 | 0.103 | 180.29 |

GIS Mode Changes: 10–8–8–5–0 ⟶ 8–6–6–0–0–10 (M28)

**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 | 19.80/23.40 | −4.21/4.75 | −4.30/4.86 | 5.10/9.03 | 7.89/9.60 |

**Manoeuvre Operation**

| Start Time | Target Name | # | $(\alpha, \delta)$ | $(\phi, \theta, \psi)$ |
|---|---|---|---|---|
| 3/28 17:20 | M28 | 3 | ( 276.1333 , -24.8696 ) | ( 275.8932 , 115.0291 , 6.7812 ) |

**Comment:** 本日の運用: Today's target is 200pc Ring #2 (PI:Koyama, JPN). Total intensity is 0.43 c/s/SIS and 2.0 c/s/GIS including calibration sources. S0C3 spectrum is very hard and absorbed ($N_H \simeq 2 \times 10^{22}$ cm$^{-2}$). Both powerlaw model with photon index 1.2 and thermal bremss model are accepted. There is a bright source in the GIS FOV, whose spectrum can be fitted with powerlaw model with heavy absorption ($N_H \simeq 1 \times 10^{23}$ cm$^{-2}$).

橋本谷くんは覚えも早いので、明日は見ているだけで良さそうです。（佐々木）

初めて KSC に参りました。まだコワゴワやってますが、早く慣れるといいとおもいます。（橋本谷）