# 「あすか」 OPERATION REPORT Ver.1.5

94 年 3 月 31 日　Y+ 404　KSC 当番: 吉田K 、 古澤

PSR B0656+14 → SN1993J

| | PASS 1 | PASS 2 | PASS 3 | PASS 4 | PASS 5 |
|---|---|---|---|---|---|
| Pass No. | 940331–1134 | 940331–1237 | 940331–1341 | 940331–1444 | 940331–1547 |
| Operation | X REP<br>OP/OG WT/CK<br>ERR CODE RST<br>((SH)MOMCHG)<br>CPU 2/3 STOP<br>CPU 2/3 START<br>OP START | X REP<br>SBR-A RNG<br>SCT-03<br>S-CTLG CHK<br>OBSERVEMODE<br>RNG OFF | X REP<br>BDR STOP<br>X REP<br>BDR STOP | X REP<br>SBR A RNG<br>RNG OFF | X REP<br>CPU 2/3 STOP<br>CPU 2/3 START |
| Target | PSR B0656+14 | PSR B0656+14 | PSR B0656+14 | PSR B0656+14 | PSR B0656+14 |
| AOS(UT) | 16:40:10 | 18:22:01 | 20:02:54 | 21:44:50 | 23:26:13 |
| LOS(UT) | 16:52:06 | 18:33:52 | 20:15:28 | 21:57:01 | 23:37:50 |
| Max-El | 19.884 | 58.453 | Zenith | 60.107 | 20.964 |
| Time | 16:45:55 | 18:27:11 | — | 21:50:15 | 23:31:31 |
| Rep-band(stat.) | X ( Completed ) | X ( Completed ) | X ( Completed ) | X ( Completed ) | X ( Completed ) |
| Rep-start | 16:41:00 | 18:22:33 | 20:03:56/20:09:22 | 21:45:32 | 23:27:28 |
| DP-mode | OBS | OBS | OBS | OBS | OBS |
| ACS-mode | Normal–Pointing | Normal–Pointing | Normal–Pointing | Normal–Pointing | Normal–Pointing |
| ACS-spn/$\theta_s$ $\phi_s$ | -°, -° | 6.07°, 231.93° | 6.02°,232.16° | 5.99°,232.56° | 5.96°, 232.95° |
| Attitude | $\begin{bmatrix} 105.1586 \\ 75.7290 \\ 169.6435 \end{bmatrix}$ | $\begin{bmatrix} 105.1589 \\ 75.7294 \\ 169.6454 \end{bmatrix}$ | $\begin{bmatrix} 105.1592 \\ 75.7294 \\ 169.6456 \end{bmatrix}$ | $\begin{bmatrix} 105.1592 \\ 75.7293 \\ 169.6453 \end{bmatrix}$ | $\begin{bmatrix} 105.1593 \\ 75.7292 \\ 169.6455 \end{bmatrix}$ |
| OP-start(CE) | 16:48:50 ( 00h ) | Cont ( 08h ) | Cont ( 10h ) | Cont ( 18h ) | Cont ( 20h ) |
| 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 | −37.84/−37.53 | −38.32/−38.02 | −38.61/−38.31 | −39.05/−38.75 | −39.68/−39.38 |
| S0/1-CCDT | −61.67/−61.77 | −61.67/−61.77 | −61.67/−61.77 | −61.67/−61.77 | −61.67/−61.77 |
| GIS-mode | PH(8-6-6-5-0) | PH(8-6-6-5-0) | PH(8-6-6-5-0) | PH(8-6-6-5-0) | PH(8-6-6-5-0) |
| GIS LD Hit | 25cps/23cps | 28cps/24cps | 31cps/27cps | 28cps/27cps | 22cps/22cps |

| P X Y R S | Pos | MErr | HV_HL | Gain | RT-L | RT-U | Temp | RBMT | CalPk | RT Pk | CalCnt/time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GBi6P 6 5 0 | FLF | 1 | 3/4 | 48 | 159 | 218 | 13.6 | 13.6 | 401.74 | 183.83 | 699 |
| Pass: 9403311134 | | | 3/4 | 40 | 159 | 218 | 8.2 | | 404.38 | 181.05 | 654 |

GIS Mode Changes: 8-6-6-5-0-6 → 10-8-8-5-0-0(SN1993J)

**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 | −4.42/4.73 | −4.60/4.76 | 4.82/8.74 | 4.82/8.17 |

**Manoeuvre Operation**

| Start Time | Target Name | # | ($\alpha$, $\delta$) | ($\phi$, $\theta$, $\psi$) |
|---|---|---|---|---|
| 04/01 05:00 | SN1993J | 6 | ( 148.8540 , 69.0200 ) | ( 149.7256 , 21.1253 , 134.9953 ) |

**Comment:** 本日の運用:
ASCA observed PSR B0656+14, obtaining 0.1 cts/s/SIS and 0.02 cts/s/GIS. The spectrum is very soft.
PSR B0656+14 は Geminga とは反対に SIS で明るく GIS で暗かった。昨日の午後８時に到着するといっていた竹島さんはまだこない。今日が移動日だからきっと来るにちがいない。（吉田 K）

今朝は寒い。運用室はそれ以上に寒い。その上、食堂のストーブは灯油切れ。名古屋からはるか南に来ているはずなのに寒い。桜の開花宣言も出ているのに寒い。
PS. Takky MNV KSC → 名古屋 Manuever Start Time 01-Apr-1994 14:00:00（古澤）