「あすか」 OPERATION REPORT Ver.1.5

94 年 3 月 30 日　Y+ 403　KSC 当番: 吉田 K 、 古澤

Geminga → PSR B0656+14

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	940330–1134	940330–1237	940330–1341	940330–1444	940330–1547
Operation	X REP OP/OG WT/CK OP START	X REP SBR-A RNG SCT-02 S-CTLG CHK OBSERVE MODE RNG OFF	X REP CPU 2/3 STOP CPU 2/3 START BDR STOP X REP DE-0 ADRS ON BDR STOP	X REP SBR A RNG DE-0 ADRS ON CPU 2/3 STOP CPU 2/3 START RNG OFF	X REP SBR-A RNG RNG OFF
Target	Geminga	Geminga	Geminga	Geminga	Geminga
AOS(UT) LOS(UT)	16:42:47 16:53:23	18:24:00 18:35:50	20:05:06 20:17:28	21:46:56 21:59:07	23:28:16 23:40:11
Max-El Time	13.954 16:48:08	45.484 18:29:16	Zenith —	72.827 21:52:18	28.722 23:33:40
Rep-band(stat.) Rep-start	X (Completed) 16:43:31	X (Completed) 18:24:39	X (Completed) 20:06:03/20:11:33	X (Completed) 21:47:59	X (Completed) 23:29:17
DP-mode	OBS	OBS	OBS	OBS	OBS
ACS-mode ACS-spn/θ_s ϕ_s	Normal–Pointing -°, -°	Normal–Pointing 1.78°, 10.42°	Normal–Pointing 1.83°,10.13°	Normal–Pointing 1.93°,9.59°	Normal–Pointing 1.98°, 9.34°
Attitude	$\begin{bmatrix} 98.6845 \\ 72.1737 \\ 176.5661 \end{bmatrix}$	$\begin{bmatrix} 98.6847 \\ 72.1740 \\ 176.5666 \end{bmatrix}$	$\begin{bmatrix} 98.6837 \\ 72.1741 \\ 176.5680 \end{bmatrix}$	$\begin{bmatrix} 98.6851 \\ 72.1738 \\ 176.5683 \end{bmatrix}$	$\begin{bmatrix} 98.6850 \\ 72.1736 \\ 176.5672 \end{bmatrix}$
OP-start(CE)	16:50:07 (00h)	Cont (0Ah)	Cont (14h)	Cont (1Dh)	Cont (27h)
SIS-mode	Faint/Faint 0123/2301	Faint/Faint 0123/2301	Faint/Faint 0123/2301	Faint/Faint 0123/2310	Faint/Faint 0123/2301
S0/1-TECT	−37.40/−37.15	−38.18/−37.87	−38.56/−38.31	−39.05/−38.80	−39.39/−39.14
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/24cps	24cps/26cps	27cps/28cps	26cps/27cps	24cps/22cps

P	X	Y	R	S	Pos	MErr	HV_HL	Gain	RT-L	RT-U	Temp	RBMT	CalPk	RT Pk	CalCnt/time
8	6	6	5	0	FLF	1	3/4	48	159	218	12.5	12.5	404.19	183.80	1376
Pass: 9403301237							3/4	40	159	218	6.5		399.48	181.60	1298

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
19.90/23.40	19.90/23.50	−4.55/4.90	−4.77/4.76	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
03/31 01:40	PSR B0656+14	5	(104.9508 , 14.2192)	(105.1595 , 75.7289 , 169.6455)

Comment: 本日の運用:
Geminga was found in the SIS image and seems to be diffuse. The spectrum shows a power-law of photon index 1.3 (0.02 cts/s/SIS, 0.01 cts/s/GIS).
２日分のデータを足し合わせて SIS のイメージをだしたところ、S0 と S1 で同じような構造が現れているような気もしますが、どうでしょう？（吉田 K）
Geminga は、やはり SIS では非常に暗い。暗いソースはいろいろできるのでしょうが、こちらの解析のソフトにな

れていないために思ったようにいきません。表街道で解析できれば…（遅いけど）。Takkky はまだいます。（古澤）