「あすか」 OPERATION REPORT Ver.1.5

94 年 3 月 25/26 日 Y+ 398/399 KSC 当番: 吉田K 、瀧澤、 G.Zylstra

GX9+9 → 4U1624-49 → NGC6240

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	940325–1341	940325–1444	940325–1548	940326–0103	940326–0207
Operation	X REP SBR A RNG OP/OG WT/CK ERR CODE RST ((SH)MOMCHG) RNG OFF OP START	X REP S-CTLG WT/CK OBS-MODE	X REP BDR STOP X REP BDR STOP	X REP SBR A RNG CPU 2/3 RESET CPU 2/3 START RNG OFF	X REP
Target	GX9+9	GX9+9	GX9+9	GX9+9	GX9+9
AOS(UT) LOS(UT)	20:15:16 20:27:35	21:56:49 22:09:19	23:38:24 23:51:04	01:20:02 01:32:26	03:02:08 03:12:21
Max-El Time	32.668 20:21:02	78.343 22:02:26	Zenith —	42.075 01:25:32	13.175 03:06:44
Rep-band(stat.) Rep-start	X (Completed) 20:16:34	X (Completed) 21:57:32	X (Completed) 23:39:06/23:44:54	X (Completed) 01:20:40	X (Completed) 03:02:44
DP-mode	OBS	OBS	OBS	OBS	OBS
ACS-mode ACS-spn/θ_s ϕ_s	Normal–Pointing 12.36°, 163.22°	Normal–Pointing 12.45°, 163.57°	Normal–Pointing 12.50°,163.64°	Normal–Pointing 12.55°, 163.70°	Normal–Pointing 12.64°, 163.95°
Attitude	$\begin{bmatrix} 262.7324 \\ 107.0329 \\ 1.9286 \end{bmatrix}$	$\begin{bmatrix} 262.7321 \\ 107.0326 \\ 1.9283 \end{bmatrix}$	$\begin{bmatrix} 262.7323 \\ 107.0330 \\ 1.9298 \end{bmatrix}$	$\begin{bmatrix} 262.7319 \\ 107.0332 \\ 1.9290 \end{bmatrix}$	$\begin{bmatrix} 262.7320 \\ 107.0332 \\ 1.9289 \end{bmatrix}$
OP-start(CE)	20:24:44 (00h)	Cont (07h)	Cont (0Fh)	Cont (17h)	Cont (1Dh)
SIS-mode	Bright/Bright 1111/3333	Bright/Bright 1111/3333	Bright/Bright 1111/3333	Bright/Bright 1111/3333	Bright/Bright 1111/3333
S0/1-TECT	−36.62/−36.47	−36.82/−36.71	−36.77/−36.61	−36.82/−36.66	−36.67/−36.51
S0/1-CCDT	−61.57/−61.25	−61.57/−61.20	−61.48/−61.11	−61.53/−61.06	−61.53/−61.11
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	144cps/178cps	154cps/173cps	158cps/185cps	153cps/182cps	159cps/185cps

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	1	3/4	48	159	218	18.6	18.0	387.92	184.09	799
Pass: 9403251341			3/4	40	159	218	12.5		400.32	179.99	701

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
20.00/23.40	20.00/23.50	−4.21/4.75	−4.38/4.78	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
03/26 08:00	4U1624-49	1	(247.0083 , -49.1983)	(246.6968 , 139.1709 , 333.2031)
03/27 08:00	NGC6240	2	(253.2450 , 2.4025)	(253.0506 , 87.6638 , 359.8122)

Comment: 本日の運用:
ASCA observed the very bright LMXRB GX9+9, obtaining 70 cts/s/GIS and 80 cts/s/SIS. The spectrum is soft. A powerlaw with partial covering fit to the spectrum yielded a photon index of 2.
Thanks to Yoshida-san and Takky for making my stay at KSC very enjoyable. Arigato gozaimashita! (G.Zylstra)

GX9+9 はやたらと明るいソースで、イベントファイルを作るのにとてつもなく時間がかかってしまう。強度が強いせいか GIS3 のスペクトルは 3keV 以下で 1 ビンおきにがたがたになってしまった（解析ソフトのバグでしょうか？）。
今日は瀧澤君が夕食にバーベキューを作ってくれて、硬いご飯さえもとても美味しい。（吉田 K）
多謝 to Greg さん (瀧澤)