「あすか」 OPERATION REPORT Ver.1.5

94 年 3 月 24/25 日 Y+ 397/398 KSC 当番: 吉田K 、 瀧澤、 G.Zylstra

OAO1657-415 → PSR1610-50 → GX9+9

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	940324–1341	940324–1445	940324–1548	940325–0103	940325–0207
Operation	X REP OP/OG WT/CK ERR CODE RST ((SH)MOMCHG) OP START	X REP SBR A RNG S-CTLG WT/CK OBS-MODE RNG OFF	X REP BDR STOP X REP BDR STOP	X REP SBR A RNG RNG OFF	X REP CPU 2/3 RESET CPU 2/3 START
Target	OAO1657-415	OAO1657-415	OAO1657-415	OAO1657-415	OAO1657-415
AOS(UT) LOS(UT)	20:17:14 20:29:31	21:59:05 22:11:20	23:40:08 23:53:06	01:22:00 01:34:40	03:03:24 03:15:23
Max-El Time	24.203 20:23:09	66.990 22:04:26	Zenith —	54.303 01:27:37	18.864 03:08:55
Rep-band(stat.) Rep-start	X (Completed) 20:18:52	X (Completed) 21:59:38	X (Completed) 23:41:02/23:46:44	X (Completed) 01:22:39	X (Completed) 03:04:40
DP-mode	OBS	OBS	OBS	OBS	OBS
ACS-mode ACS-spn/θ_s ϕ_s	Normal–Pointing 17.75°, 212.46°	Normal–Pointing 17.80°, 212.37°	Normal–Pointing 17.81°,212.14°	Normal–Pointing 17.90°, 211.97°	Normal–Pointing 17.91°, 211.74°
Attitude	254.9198 131.6409 338.6324	254.9192 131.6406 338.6323	254.9191 131.6404 338.6352	254.9190 131.6412 338.6308	254.9189 131.6411 338.6305
OP-start(CE)	20:26:28 (00h)	Cont (09h)	Cont (12h)	Cont (18h)	Cont (24h)
SIS-mode	Fnt/Fnt 1111/3333	Fnt/Fnt 1111/3333	Fnt/Fnt 1111/3333	Fnt/Fnt 1111/3333	Fnt/Fnt 1111/3333
S0/1-TECT	−37.25/−37.00	−37.93/−37.63	−38.03/−37.73	−38.18/−37.83	−38.24/−37.87
S0/1-CCDT	−61.62/−61.62	−61.62/−61.72	−61.62/−61.72	−61.62/−61.72	−61.62/−61.72
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	23cps/25cps	28cps/26cps	29cps/30cps	31cps/30cps	26cps/28cps

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	17.5	17.4	391.31	184.07	1389
Pass: 9403241341							3/4	40	159	218	12.0		434.19	180.48	1279

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	−4.25/4.75	−4.43/4.78	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
03/25 04:50	PSR1610-50	5	(243.5640 , -50.7883)	(243.1939 , 140.8117 , 331.2768)
03/25 17:50	GX9+9	6	(262.9333 , -16.9617)	(262.7327 , 107.0353 , 1.9280)

Comment: 本日の運用:
The spectrum of the 38 second X-ray pulsar OAO1657-415 shows an extremely strong 6.4 kev fluorescent iron line with an equivalent width at least 1.5 keV. The shape of this line suggests emission at 6.7 keV and 6.9 keV. Another prominent line appears at 1.2 keV. The spectrum of this source is similar to the eclipse spectrum of Vela X-1. We got 0.05 cts/s/GIS and 0.01 cts/s/SIS.

OAO1657-415 はラインだけにょきっと出ているような面白いスペクトルをしています。今日は瀧澤君が鹿屋までお金を下ろしに行っている間に、グレッグさんとその辺をぶらぶらしてきました。（吉田 K）

順調！ (瀧澤)