「あすか」 OPERATION REPORT Ver.1.5

93 年 10 月 27-28 日　Y+ 249-250　KSC 当番: 林田 、 高野

Cyg-A, SS433

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	931027–1341	931027–1444	931027–1547	931028–0103	931028–0206
Operation	X-REP OP/OG-WRT DE-0 ADRS-ON OP-START	X-REP GIS-ER. RESET STC-WRT/CHK OBS-MODE DE-0 ADRS-ON	X-REP GIS E. RESET BDR-STOP X-REP DE-0 ADRS-OF BDR-STOP	X-REP DE-0 ADRS-OF	X-REP
Target	Cyg-A	Cyg-A	Cyg-A	Cyg-A	Cyg-A
AOS(UT) LOS(UT)	20:00:30 20:11:50	21:41:39 21:54:01	23:22:30 23:35:17	01:04:46 01:17:41	02:46:11 02:58:58
Max-El Time	14.70 20:05:55	47.80 21:47;07	Zenith —	73.50 01:10:25	30.59 02:51:55
Rep-band(stat.) Rep-start	X (Completed) 20:01:14	X (Completed) 21:42:28	X (Completed) 23:23:46/23:29:22	X (Completed) 01:05:38	X (Completed) 02:46:59
DP-mode	OBS	OBS/ACS/OBS	OBS	OBS	OBS
ACS-mode ACS-spn/θ_s Attitude	Normal–Pointing 12.1° $\begin{bmatrix} 300.182 \\ 49.046 \\ 181.023 \end{bmatrix}$	Normal–Pointing 12.2° $\begin{bmatrix} 300.181 \\ 49.046 \\ 181.022 \end{bmatrix}$	Normal–Pointing 12.2° $\begin{bmatrix} 300.182 \\ 49.046 \\ 181.021 \end{bmatrix}$	Normal–Pointing 12.3° $\begin{bmatrix} 300.181 \\ 49.046 \\ 181.022 \end{bmatrix}$	Normal–Pointing 12.3° $\begin{bmatrix} 300.181 \\ 49.046 \\ 181.021 \end{bmatrix}$
OP-start(CE)	20:08:02 (00h)	Cont (09h)	Cont (13h)	Cont (1Ch)	Cont (25h)
SIS-mode	Faint/Faint 0123/0123	Faint/Faint 0123/0123	Faint/Faint 0123/0123	Faint/Faint 0123/0123	Faint/Faint 0123/0123
S0/1-TECT	−40.02/−39.96	−40.31/−40.26	−40.21/−40.16	−40.12/−40.11	−39.97/−40.01
S0/1-CCDT	−61.67/−61.77	−61.67/−61.67	−61.67/−61.77	−61.67/−61.81	−61.67/−61.77
GIS-mode	PH	PH	PH	PH	PH
GIS LD Hit	20cps/21cps	28cps/26cps	31cps/30cps	29ps/27cps	28cps/30cps

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	—	3/4	48	159	218	15.3	15.2	402.74	183.79	2751
Pass: 9310271341			3/4	40	159	218	9.8		412.74	181.05	2681

GIS Mode Changes: no change

Battery Condition (min/max)

BAT_V–A	BAT_V–B	BAT_I–A	BAT_I–B	BAT_T–A	BAT_T–B
20.20/23.40	20.20/23.50	−4.21/4.75	−4.43/4.76	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
10/28 14:20	SS433	3	(287.956 , 4.983)	(−71.868 , 84.887 , −165.715)
			(,)	(, ,)
			(,)	(, ,)

Comment: 本日の運用:
A radio galaxy Cyg A was observed. The X-ray intensity was 0.8 c/s/SIS0 (R<2min) or 1.2 c/s/GIS2 (R<5min). The X-ray image is elongated over 20 arcmin diameter. Using a thintermal model for energy spectral fitting, we got temperatures of 6 - 20 keV. Iron line was observed.
KSC では、様々なソースの解析ができるので楽しいです。林田さんに解析のやり方をいろいろ教わり勉強になりま

す。今日の Cyg-A では鉄のラインが見えていましたが、エネルギーの位置が合いませんでした。（高野）
断続的に睡眠をとるといろいろな夢をみます。 もっとも本日 1 番の悪夢は、ワールドカップ予選、終了間際の 1 点でした。(林田）