「あすか」 OPERATION REPORT Ver.1.5

Year 年 Year 93 10 月 8 日 Y+ 230 KSC 当番: 井上 、 村上

Vela X No.4/Kepler No.2/GX 5-1

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	931008–0514	931008–0617	931008–0720	931008–0824	931008–0927
Operation	X-REP SBR-A-RNG OP/OG-WRT OP-START ROG47h ROG48h ROG49h	X-REP SCT-WRT/CHK OBS-MODE HAM-ERR-RST	X-REP BDR-STOP X-REP BDR-STOP	X-REP SBR-A-RNG	X-REP
Target	VELA X	VELA X	VELA X	VELA X	VELA X
AOS(UT) LOS(UT)	06:32:05 06:45:05	08:13:49 08:26:45	09:55:40 10:08:20	11:37:41 11:49:28	13:19:57 13:29:52
Max-El Time	31.227 06:38:25	74.87 08:19:56	Zenith —	44.568 11:43:08	13.304 13:24:18
Rep-band(stat.) Rep-start	X (Completed) 06:33:38	X (Completed) 08:14:54	X (Completed) 09:56:37/10:02:08	X (Completed) 11:38:35	X (Completed) 13:20:48
DP-mode	OBS	OBS/ACS/OBS	OBS	OBS	OBS
ACS-mode ACS-spn/θ_s Attitude	Normal–Pointing 21.86° $\begin{bmatrix} 128.624 \\ 135.271 \\ 16.609 \end{bmatrix}$	Normal–Pointing 21.81° $\begin{bmatrix} 128.624 \\ 135.271 \\ 16.609 \end{bmatrix}$	Normal–Pointing night $\begin{bmatrix} 128.625 \\ 135.272 \\ 16.609 \end{bmatrix}$	Normal–Pointing night $\begin{bmatrix} 128.625 \\ 135.272 \\ 16.610 \end{bmatrix}$	Normal–Pointing night $\begin{bmatrix} 128.624 \\ 135.272 \\ 16.609 \end{bmatrix}$
OP-start(CE)	06:42:03 (00h)	Cont (07h)	Cont (10h)	Cont (16h)	Cont (1Ch)
SIS-mode	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 1111/3333
S0/1-TECT	−38.08/−38.07	−37.89/−37.92	−37.16/−37.24	−36.33/−36.51	−35.80/−35.93
S0/1-CCDT	−61.71/−61.77	−61.71/−61.81	−61.71/−61.81	−61.71/−61.81	−61.67/−61.77
GIS-mode GIS LD Hit	PH 31cps/27cps	PH 30cps/31cps	PH 33cps/30cps	PH 25ps/27cps	PH 25cps/24cps

P X Y R S	Pos	MErr	HV_HL	Gain	RT-L	RT-U	Temp	RBMT	CalPk	RT Pk	CalCnt/time
8 8 8 0 0	FLF	—	3/4	48	159	218	11.5	11.4	411.21	–	–
Pass: S9310080514			3/4	40	159	218	6.0		427.26	–	–

GIS Mode Changes: 8-8-8-0-0-7(Vela X No.4)→8-8-8-0-0-7(Kepler No.2)→10-8-8-5-0-0(GX 5-1)

Battery Condition (min/max)

BAT_V–A	BAT_V–B	BAT_I–A	BAT_I–B	BAT_T–A	BAT_T–B
20.10/23.50	20.10/23.50	−4.25/4.73	−4.34/4.76	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
10/08 15:51	Kepler No.2	4	(262.66 , -21.49)	(-97.11 , 111.41 , 177.84)
10/09 3:31	GX5-1	5	(270.29 , -25.08)	(-89.53 , 115.03 , 179.74)
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Comment: 本日の運用:
We performed the fourth observation of Vela X. The count rate was 1.3 c/sec/GIS and 0.7 c/sec/SIS. The spectrum is approximated with a power law with the photon index of about 1.8.
今日はさわやかな秋晴れ。受信など忘れてゆっくり散歩したい気分。しかし、そうもいかずに、SA テレメーターでもくもくと仕事。でも、「あすか」のデータを少しでもいじれるのが楽しい。たまっている雑用がなければもっとい

いのだが。（井上）
私が KSC に来て今日で 1 週間がたった。あと、1 週間もある (しかない？)。今日も、つくつぼうしが鳴いていた。それでも、来た時よりは弱々しくなっているような気がする。（村上）