「あすか」 OPERATION REPORT Rev.5 Ver 3.1

94 年 6 月 26~27 日　Y+ 491~492　KSC 当番: Y.Ikebe 、 Y.Terashima

DI Peg→NGC7469→RU Peg

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	940626–1445	940627–0001	940627–0104	940627–0207	940627–0311
Operation	X REP OP/OG-14 RAM TCU MEM STAR-06 RAM S-CTLG CHK OBSERVE MODE CPU2/3 STP CPU2/3RST ACS-ERR-RST OP STRT	XREP SBR-A RNG STAR-01 RAM S-CTLG CHK OBSERVE MODE RNG OFF	X REP BDR STOP X REP BDR STOP	X REP SBR-A RNG CPU2/3 STP CPU2/3 RST GIS MEM MODE RNG OFF	X REP
Target	DI Peg	NGC7469	NGC7469	NGC7469	NGC7469
AOS(UT) LOS(UT)	22:25:50 22:38:59	00:07:35 00:20:28	01:49:02 02:02:00	03:31:05 03:43:21	05:13:02 05:23:42
Max-El Time	31.110 22:31:59	74.135 00:13:25	Zenith —	48.381 03:36:37	15.203 05:17:44
Rep-band(stat.) Rep-start	X (Completed) 22:27:11	X (Completed) 00:08:11	X (Completed) 01:49:39/01:55:56	X (Completed) 03:31:44	X (Completed) 05:13:53
DP-mode	$\overline{\text{OBS/TCU/ACS/OBS}}$	OBS/ACS/OBS	OBS	OBS	OBS
ACS-mode ACS-spn/θ_s ϕ_s Attitude	Normal–Pointing 5.27°, 185.53° $\begin{bmatrix} 352.911 \\ 75.175 \\ 25.253 \end{bmatrix}$	Normal–Pointing 14.52°, 187.41° $\begin{bmatrix} 345.663 \\ 81.268 \\ 24.994 \end{bmatrix}$	Normal–Pointing 14.57°, 187.38° $\begin{bmatrix} 345.663 \\ 81.269 \\ 24.995 \end{bmatrix}$	Normal–Pointing 14.68°, 187.43° $\begin{bmatrix} 345.663 \\ 81.269 \\ 24.995 \end{bmatrix}$	Normal–Pointing 14.73°, 187.50° $\begin{bmatrix} 345.663 \\ 81.269 \\ 24.995 \end{bmatrix}$
OP-start(CE)	22:35:56 (00h)	Cont (0Eh)	Cont (16h)	Cont (1Eh)	Cont (26h)
GIS HAM ERR	ERR	NORM	NORM	ERR	NORM
ACS ERR	(SH)MOMCHG	—	–	–	–
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	−37.35/−37.39	−38.22/−38.07	−38.71/−38.17	−37.69/−37.53	−36.62/−36.51
S0/1-CCDT	−61.57/−61.25	−61.67/−61.77	−61.67/−61.77	−61.67/−61.77	−61.67/−61.77
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	26cps/24cps	33cps/32cps	32cps/33cps	28cps/32cps	24cps/23cps

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	NONE	3/4	48	159	218	13.1	13.1	400.09	183.83	1234
Pass: 9406261445							3/4	40	159	218	7.6		421.83	181.20	1198

GIS Mode Changes: 10-8-8-5-0-0

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	−4.03/4.73	−4.25/4.76	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
06/26 23:00	NGC7469	4	(353.0615 , 14.9690)	(352.9092 , 75.1744 , 25.2537)
06/27 10:10	RU Peg(CV)	5	(333.5083 , 12.7031)	(333.3748 , 77.4558 , 31.6501)

Comment: 本日の運用:

DI Peg is an Algol system (Am I right?). In the reproduction data at KSC, we got the X-ray data having 4.5 ksec exposure time. In the image obtained with GIS any point source which has signifficantly larger X-ray counts than that of CXB was not detected at the expected position. SIS possibly detected an X-ray source at the expected position, which indicates the X-ray counts rate of ~ 0.01 c/s. In the GIS FOV, another unexpected point source was detected at the position of $\sim$18 arcmin apart from DI Peg instead, which has the X-ray counts rate of ~ 0.025 c/s. Since SIS operated with 1CCD mode, this source was not detected with SIS. Operation of attitude controle have been performed correctly.

The observation of NGC7469 ,Seyfert 1 galaxy, was also performed today. Its count rate was ~ 0.8 c/s with GIS and ~ 1.6 c/s with SIS. The pulse height spectra taken with both GIS and SIS were fitted with a power law function having the photo index of ~ 2.0.

半分までできました。ここ数日はとても天気がよくて暑いくらいです (Y.T)。