

「あすか」 OPERATION REPORT Ver.1.5

94 年 6 月 06 日 Y+ 471 KSC 当番: . T.Tsuru, 、 K.Kinugasa

NGC4643 → MKW4

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5					
Pass No.	940606-0516	940606-0619	940606-0723	940606-0826	940606-0929					
Operation	X REP OP/OG 01 TCU MEM OP STRT	X REP SBR-A RNG STAR 06 RAM S-CTLG CHK OBS MODE RNG OFF	X REP BDR STOP X REP BDR STOP	X REP SBR-A RNG CPU2/3 STOP CPU2/3 RST GIS MEM MODE RNG OFF	X REP					
Target	NGC4643	NGC4643	NGC4643	NGC4643	MKW4					
AOS(UT)	07:43:19	09:25:00	11:05:49	12:47:31	14:28:59					
LOS(UT)	07:54:38	09:36:40	11:18:34	13:00:06	16:41:18					
Max-El Time	15.407 09:34:47	49.467 09:30:03	Zenith —	70.542 12:53:09	27.972 14:34:30					
Rep-band(stat.) Rep-start	X (Completed) 07:48:55	X (Completed) 09:25:41	X (Completed) 11:06:45/11:12:17	X (Completed) 12:48:13	X (Completed) 14:29:59					
DP-mode	OBS/TCU/OBS	OBS/ACS/OBS	OBS	OBS/GIS/OBS	OBS					
ACS-mode ACS-spn/ $\theta_s \phi_s$	Normal-Pointing 23.75°, 176.64°	Normal-Pointing 23.67°, 176.63°	Normal-Pointing 23.62°, 176.69°	Normal-Pointing 23.37°, 176.68°	Normal-Pointing -°, -°					
Attitude	$\begin{bmatrix} 191.004 \\ 88.049 \\ 155.592 \end{bmatrix}$	$\begin{bmatrix} 191.004 \\ 88.050 \\ 155.592 \end{bmatrix}$	$\begin{bmatrix} 191.004 \\ 88.049 \\ 155.592 \end{bmatrix}$	$\begin{bmatrix} 191.004 \\ 88.049 \\ 155.592 \end{bmatrix}$	$\begin{bmatrix} 181.3209 \\ 88.110 \\ 155.966 \end{bmatrix}$					
OP-start(CE)	07:51:28 (00h)	Cont (09h)	Cont (12h)	Cont (1Bh)	Cont (2Ah)					
SIS-mode S0/1-TECT S0/1-CCDT	Faint/Faint 0101/2323 -36.87/-36.51 -61.62/-61.79	Faint/Faint 0101/2323 -36.38/-36.03 -61.62/-61.72	Faint/Faint 0101/2323 -36.14/-35.74 -61.62/-61.72	Faint/Faint 0101/2323 -35.41/-35.15 -61.62/-61.67	Faint/Faint 0123/0123 -35.17/-34.96 -61.62/-61.62					
GIS-mode GIS LD Hit	PH(10-8-8-5-0) 25cps/23cps	PH(10-8-8-5-0) 26cps/25cps	PH(10-8-8-5-0) 29cps/26cps	PH(10-8-8-5-0) 25cps/26cps	PH(10-8-8-5-0) 27cps/29cps					
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	19.1	19.6	386.87	184.30	3533
Pass: 9406060516			3/4	40	159 218	14.2		401.50	180.20	3468
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
20.10/23.50	20.20/23.50	-4.16/4.75	-4.21/4.78	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
06/06 14:10	MKW4	1	(181.1155 , 1.9050)	(181.3203 , 88.1130 , 155.9661)

Comment: 本日の運用:

Today's target is NGC4643(PI:Matsumoto JPN), in which no apparent hot ISM was observed with Einstein. Observed count rate of NGC4643 is 0.03 c/s/sis0(<5arcmin) and 0.01 c/s/gis(<4arcmin). The SIS spectrum is fitted with a thermal bremsstrahlung with $k_B T = 10 \text{ keV}$ or a power law with photon index of 1.8. A hint of a soft component around 1 keV is seen in GIS/SIS spectrum. (どさくさの) 打ち上げ以来の運用当番なので、コマンドが全くわからず非常に苦労した。東京以外の人間としては、KSC 当番の少し前(1-2 カ月前位)に ISAS 当番を行なわせる様に当番を決めて欲しいと思う。その逆はほとんど意味がないです。長瀬先生、石田様よろしくお願いします。藤本君お疲れ様でした(T.Tsuru)。自分も コマンドがぜんぜんわかっていないので あせりました。下位 BIT でもちゃんと覚えていくべきでした。反省。(衣笠)