「あすか」 OPERATION REPORT Ver.1.5

94 年 6 月 04 日　Y+ 469　KSC 当番: . T.Tsuru, Y.Kamata 、 K.Kinugasa

HCG51 → FK COM → NGC4643

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	940604–0619	940604–0723	940604–0826	940604–0930	940604–1033
Operation	X REP OP/OG 11 TCU MEM OP STRT	X REP SBR-A RNG STAR 05 RAM S-CTLG CHK 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	HCG51	HCG51	HCG51	HCG51	HCG51
AOS(UT)	09:28:55	11:10:32	12:51:56	14:33:41	16:15:28
LOS(UT)	09:41:26	11:23:12	13:04:51	14:46:08	16:26:54
Max-El	28.487	73.195	Zenith	48.564	16.185
Time	09:34:47	11:16:06	—	14:39:16	16:20:30
Rep-band(stat.)	X (Completed)	X (Completed)	X (Completed)	X (Completed)	X (Completed)
Rep-start	09:30:21	11:11:15	12:52:49/12:58:23	14:34:19	16:16:33
DP-mode	OBS/TCU/OBS	OBS/ACS/OBS	OBS	OBS/GIS/OBS	OBS
ACS-mode	Normal–Pointing	Normal–Pointing	Normal–Pointing	Normal–Pointing	Normal–Pointing
ACS-spn/θ_s ϕ_s	7.00°, 74.26°	6.99°, 73.79°	6.98°, 73.33°	-°, -°	-°, -°
Attitude	$\begin{bmatrix} 170.829 \\ 65.697 \\ 162.743 \end{bmatrix}$	$\begin{bmatrix} 170.829 \\ 65.697 \\ 162.744 \end{bmatrix}$	$\begin{bmatrix} 170.829 \\ 65.697 \\ 162.744 \end{bmatrix}$	$\begin{bmatrix} 170.829 \\ 65.697 \\ 162.744 \end{bmatrix}$	$\begin{bmatrix} 170.828 \\ 65.697 \\ 162.744 \end{bmatrix}$
OP-start(CE)	09:38:23 (00h)	Cont (08h)	Cont (10h)	Cont (18h)	Cont (20h)
SIS-mode	Faint/Faint 0101/2323	Faint/Faint 0101/2323	Faint/Faint 0101/2323	Faint/Faint 0101/2323	Faint/Faint 0101/2323
S0/1-TECT	−42.78/−42.64	−42.98/−42/78	−43.03/−42.83	−42.98/−42.83	−42.98/−42.83
S0/1-CCDT	−61.71/−61.81	−61.71/−61.81	−61.71/−61.81	−61.71/−61.81	−61.71/−61.81
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/23cps	26cps/27cps	29cps/29cps	26cps/30cps	25cps/27cps

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	12.0	12.0	404.67	183.71	2143
Pass: 9406040619			3/4	40	159	218	6.0		427.31	181.41	2082

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
20.20/23.50	20.20/23.50	−4.12/4.73	−4.17/4.76	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
06/05 02:50	FK COM	5	(202.695 , 24.233)	(202.905 , 65.833 , 142.130)
06/05 15:50	NGC4643	6	(190.839 , 1.978)	(191.003 , 88.050 , 155.594)

Comment: 本日の運用:

It is the second day of observation of HCG51(PI:Makishima, JPN). Observed count rate of HCG51 is 0.08 c/s/sis0(<5arcmin) and 0.03 c/s/gis(<4arcmin). Extended emission (>10 arcmin diameter) and irregular structure is visible in the GIS image. The best fit temperature is about 1.6-1.7keV(Raymond-Smith) for both GIS and SIS with low abundance ratio(0.3 cosmic value). The temperature of SIS is still very low and stable(¡-61 deg). 昼間 FM を聴いていたら、サルサ、ボサノバ、サンバが流れていて、まさに南国気分でした。これ

でお役御免だあー。宮崎県川南町トロントロン... （鎌田）着きました (T.Tsuru)。ターニング ポイント。あと半分で..... （衣笠）