

はありません。鹿児島にいと姿勢や SIS の勉強がたっぷりできます。（他意はございません。：田代） SIS は今後どうなるのでしょうか。すごく心配。（山本）

「あすか」 OPERATION REPORT Ver.1.5

94 年 2 月 15 日 Y+ 360 KSC 当番: 田代、山本

Observation

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5					
Pass No.	940215-0929	940215-1033	940215-1136	940215-1240	940215-1343					
Operation	X REP OP/OG-WT/CK CPU2/3-STOP CPU2/3-RST/STARTING OFF	X REP SBR-A RNG S-CTL WT/CK RNG OFF	X REP BDR STOP X REP BDR STOP	X REP SBR-A RNG RNG OFF	X REP BC ENA 03-62/FF/00/AA BC EXEC					
Target	IC4296	IC4296	IC4296	IC4296	IC4296					
AOS(UT)	14:26:25	16:08:09	17:49:08	19:31:05	21:12:32					
LOS(UT)	14:38:19	16:20:24	18:02:09	19:43:48	21:24:32					
Max-El Time	23.101 14:32:10	64.990 16:13:28	Zenith —	56.705 19:36:40	20.113 21:18:00					
Rep-band(stat.)	X (Completed)	X (Completed)	X (Completed)	X (Completed)	X (Completed)					
Rep-start	14:28:01	16:08:43	17:50:25/17:55:43	19:31:45	21:13:47					
DP-mode	OBS	OBS	OBS	OBS	OBS					
ACS-mode	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing					
ACS-spn/ θ_s ϕ_s	$-\circ, -\circ$	$-\circ, -\circ$	$-\circ, -\circ$	$20.45^\circ, 170.96^\circ$	$20.54^\circ, 170.85^\circ$					
Attitude	$\begin{bmatrix} 203.9158 \\ 123.9289 \\ 331.4782 \end{bmatrix}$	$\begin{bmatrix} 203.9157 \\ 123.9284 \\ 331.4787 \end{bmatrix}$	$\begin{bmatrix} 203.9162 \\ 123.9282 \\ 331.4786 \end{bmatrix}$	$\begin{bmatrix} 203.9169 \\ 123.9278 \\ 331.4806 \end{bmatrix}$	$\begin{bmatrix} 203.9172 \\ 123.9289 \\ 331.4790 \end{bmatrix}$					
OP-start(CE)	14:35:31 (00h)	Cont (08h)	Cont (10h)	Cont (18h)	Cont (20h)					
SIS-mode	Fnt/Fnt 0101/2323	Fnt/Fnt 0101/2323	Fnt/Fnt 0101/2323	Fnt/Fnt 0101/2323	Fnt/Fnt 0101/2323					
S0/1-TECT	-32.07/-32.24	-32.45/-32.58	-32.84/-32.97	-33.23/-33.36	-33.76/-33.84					
S0/1-CCDT	-59.27/-58.95	-59.23/-58.90	-59.18/-58.86	-59.13/-58.81	-59.13/-58.81					
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	25cps/22cps	27cps/27cps	27cps/29cps	26cps/26cps	24cps/20cps					
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	1	3/4	48	159 218	20.2 20.7	387.60 184.22	6108		
Pass: 940215-0929			3/4	40	159 218	14.7	446.92 180.12	5676		

GIS Mode Changes: None

Battery Condition (min/max)

BAT_V-A	BAT_V-B	BAT_I-A	BAT_I-B	BAT_T-A	BAT_T-B
20.00/23.50	20.00/23.50	-4.47/4.75	-4.55/4.78	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
02/16 01:10	AO0235+164 No.3	6	(39.6600 , 16.6200)	(39.8249 , 73.2592 , 198.8579)
02/16 09:10	NGC1614	1	(68.4991 , -8.5788)	(68.6788 , 98.4721 , 191.6100)

Comment: 本日の運用:

A galaxy IC 4296 (PI: Matsumoto) was observed during the contact orbits. Obtained count rate was about 0.03 c/s/GIS and it exhibited a soft spectrum which could be described with Raymond-Smith model of $kT \sim 1$ keV.

太陽が-Z軸にかなりちかく、SIS1 CCD の温度が -58 度台と新記録を更新しました。そのためイベント数が増し、従来のレベルディスクリでは Bit Medium での観測に耐えないことが明らかになったので、相模原と相談の結果、pass 5 でディスクリを 120 ch $\rightarrow$ 170 ch に上げ remote での観測を行なうことにしました。ただし、この remote に観測する残り 2 つの targets, AO 0235 と NGC 1614 は、姿勢も良く Discri Disable で観測しますので影響