

「あすか」 OPERATION REPORT Ver.1.5

93 年 9 月 23 日 Y+ 215 KSC 当番: 堂谷、山崎

N132D / SNR0540

	PASS 1		PASS 2		PASS 3		PASS 4		PASS 5						
Pass No.	930923-0928		930923-1031		930923-1134		930923-1238		930923-1341						
Operation	X-REP OP/OG-WRT OP-START		X-REP SBR-A_RNG SCT-WRT/CHK OBS-MODE		X-REP BDR-STOP X-REP BDR-STOP		X-REP SBR-A_RNG		X-REP						
Target	N132D #3		N132D #3		N132D #3		N132D #4		N132D #4						
AOS(UT)	13:34:38		15:16:32		16:57:49		18:39:40		20:21:20						
LOS(UT)	13:46:39		15:28:36		17:10:42		18:52:23		20:32:36						
Max-El	26.585		70.655		Zenith		50.898		17.281						
Time	13:40:31		15:21:55		—		18:45:14		20:26:35						
Rep-band(stat.)	X (Completed)		X (Completed)		X (Completed)		X (Completed)		X (Completed)						
Rep-start	13:35:32		15:17:20		16:58:40/17:04:00		18:40:40		20:22:34						
DP-mode	OBS		OBS/ACS/OBS		OBS		OBS		OBS						
ACS-mode	Normal-Pointing		Normal-Pointing		Normal-Pointing		Normal-Pointing		Normal-Pointing						
ACS-spn/ θ_s	night		night		night		3.54°		3.56°						
Attitude	$\begin{bmatrix} 80.172 \\ 159.804 \\ 351.391 \end{bmatrix}$		$\begin{bmatrix} 80.172 \\ 159.804 \\ 351.390 \end{bmatrix}$		$\begin{bmatrix} 80.173 \\ 159.804 \\ 351.391 \end{bmatrix}$		$\begin{bmatrix} 80.248 \\ 159.641 \\ 351.463 \end{bmatrix}$		$\begin{bmatrix} 80.248 \\ 159.641 \\ 351.463 \end{bmatrix}$						
OP-start(CE)	13:43:32 (00h)		Cont (08h)		Cont (10h)		Cont (1Dh)		Cont (25h)						
SIS-mode	Bright/Bright 1CCD		Faint/Faint 1CCD		Faint/Faint 1CCD		Faint/Faint 1CCD		Faint/Faint 1CCD						
S0/1-TECT	-37.64/-37.78		-37.84/-37.97		-38.13/-38.22		-38.90/-38.94		-39.68/-39.72						
S0/1-CCDT	-61.67/-61.77		-61.67/-61.77		-61.67/-61.77		-61.67/-61.77		-61.67/-61.77						
GIS-mode	PH		PH		PH		PH		PH						
GIS LD Hit	23cps/22cps		27cps/25cps		28cps/30cps		28cps/28cps		26cps/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	—	3/4	48	159	218	14.2	14.1	404.16	183.77	1567
Pass: S9309230928							3/4	40	159	218	8.7		415.34	181.15	1513
GIS Mode Changes: no change															

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	-4.34/4.75	-4.43/4.78	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
09/23 18:00	N132D #4	1	(81.26 , -69.64)	(80.25 , 159.64 , -8.54)
09/23 22:46	SNR0540	2	(85.05 , -69.33)	(84.28 , 159.37 , -22.344)
			(,)	(, ,)

Comment: 本日の運用:

We observed N132D with 4 different attitudes to determine bore axis of the SIS XRTs. N132D is a bright SNR in LMC. The count rate was 1.3 c/s/GIS and 4.2 c/s/SIS. When we fit the energy spectrum with raymond & Smith model, we obtained $kT = 0.7-0.8$ keV although the fit was not good.

はや 2 週間も過ぎ去り今日はいよいよ引き継ぎだなあ、と思っていたら、後任の××君が予定のバスに乗っていない、と、某タクシーから連絡が入っていると総務から連絡があった。彼は一体どこへ行ってしまったのか。(堂谷)
今日の運用を終え、心地よい夢の中にいた私をロケットの秒読みが現実に取り戻した。ドアから外に出たところでロケットは爆音と exhaust fire を残しあっという間に飛んでいった。午後には気球がとんでいた。

もう運用も半ばだ。もうひとがんばり！..... えっ？来週は 7 日運用？ (山崎)