

捉を試みアンテナを振ったため、短時間 S も外れた。Pass 2 入感前に、追尾制御装置の再立ち上げにより復帰した。 Part of the data for NGC1313 was lost because of antenna trouble. (2)Pass 2 で機上の NSAS アラインメント パラメータの更新を行なった。(3) There are at least two sources in the F.O.V of the GIS as well as the SIS, which can be associated with the LINER(at the center of NGC1313) and a possible X-ray binary respectively. GIS Count rates of the two sources are almost same (~ 0.1 cts/s/sensor). There may be some emission (???) near the position of SN1978K. (Ueno, Itoh)

「あすか」 OPERATION REPORT Ver.1.5

93 年 7 月 13 日 Y+ 143 KSC 当番: 伊藤、上野

NGC1313/PUP-A/PKS0438-436

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5					
Pass No.	930713-0102	930713-0205	930713-0308	930713-0412	930713-0515					
Operation	X-REP OP-OG-WRT PAUSE RETRY TCU-MODE RETRY TCU-MODE OP-STRT	X-REP RNG ACS-MODE SCT-WRT AUT-SAF-DIS NSAS-ALGN-SET AUT-SAF-ENA OBS-MOD D0-ADRS-ON	X-REP ASC-MODE OBS-MODE BDR-STOP X-REP BDR-STOP D0-ADRS-ON	X-REP RNG	X-REP					
Target	NGC1313	NGC1313	NGC1313	NGC1313	NGC1313					
AOS(UT)	00:32:53	02:14:06	03:55:01	05:37:07	07:18:36					
LOS(UT)	00:44:16	02:25:59	04:07:56	05:50:09	07:30:38					
Max-El	—	56.484	Zenith	64.510	24.297					
Time	—	02:19:24	—	05:42:44	07:24:11					
Rep-band(stat.)	X (NO-OPE)	X (Completed)	X (Interrupted)	X (Completed)	X (Completed)					
Rep-start	—	02:14:59	03:56:04/04:01:37	05:37:43	07:19:39					
DP-mode	OBS	OBS/ACS/OBS	OBS/ACS/OBS	OBS	OBS					
ACS-mode	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing					
ACS-spn/ θ_s	14.47°	14.55°	14.60°	14.64°	14.71°					
Attitude	$\begin{bmatrix} 49.372 \\ 156.742 \\ 43.249 \end{bmatrix}$	$\begin{bmatrix} 49.372 \\ 156.742 \\ 43.249 \end{bmatrix}$	$\begin{bmatrix} 49.372 \\ 156.742 \\ 43.248 \end{bmatrix}$	$\begin{bmatrix} 49.372 \\ 156.742 \\ 43.248 \end{bmatrix}$	$\begin{bmatrix} 49.372 \\ 156.741 \\ 43.248 \end{bmatrix}$					
OP-start(CE)	00:41:31 (00h)	Cont (0Ah)	Cont (12h)	Cont (1Bh)	Cont (24h)					
SIS-mode	Faint/Faint 4CCD	Faint/Faint 4CCD	Faint/Faint 4CCD	Faint/Faint 4CCD	Faint/Faint 4CCD					
S0/1-TECT	-38.13/-37.68	-38.47/-38.07	-38.42/-38.07	-37.69/-37.34	-36.38/-36.08					
S0/1-CCDT	-61.67/-61.81	-61.67/-61.77	-61.67/-61.77	-61.71/-61.77	-61.67/-61.77					
GIS-mode	PH	PH	PH	PH	PH					
GIS LD Hit	20cps/22cps	27cps/26cps	30cps/30cps	31cps/33cps	25cps/26cps					
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	14.1	407.54	183.84	2994
Pass: s9307130205			3/4	40	159 218	8.7		420.43	181.34	2706
GIS Mode Changes: no change										

Condition Condition (min/max)

BAT_V-A	BAT_V-B	BAT_I-A	BAT_I-B	BAT_T-A	BAT_T-B	Charge/Discharge
20.20/23.40	20.20/23.50	-4.12/4.75	-4.25/4.78	4.82/8.74	4.82/8.46	4.20142/4.15629

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
7/13 15:28	Pup A	2	(126.027 , -42.969)	(126.091 , 133.102 , 103.247)
7/13 20:15	PKS 0438-436	3	(70.0716 , -43.5524)	(70.001 , 133.817 , 49.086)
			(,)	(, ,)

Comment: 本日の運用: (1) 昨晚の停電により、20m アンテナの自動追尾 (捕捉) システムが作動せず、Pass 1 は X-band を lock できなかった。このため、12 日 18 時 (UT) ごろからのデータが失われた。受信途中 X-band 捕