and ∼0.06 c/sec/GIS (including BGD). SIS was telemetry saturated for PSR0540-693. (1) PSR0540-693 の観測で、SIS は温度が高く、Telemetry saturation を起こした。2 pass 後 MNV なので、level discri. の変更は行なわなかった。(2) 3C396 でも saturation が起きていたので、4 pass で level discri. を on した (default:0.48 keV)。この結果、saturation はおさまった模様。(3) Pass 5 の Error code reset コマンドは、MS 担当者のミス。(4) 昨日送った運用記録の pass NO. で日に相当する部分が更新されていませんでした。訂正したものを再送しました。(伊藤) 全然運動してないのに やけに腹がへる。頭を使っているわけでもないのに... (冨田)

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

94 年 10 月 13 日　Y+ 599　KSC 当番: M.Itoh 、 H.Tomida

PSR0540-693 Pt.4 / 3C396

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	941012–1134	941012–1238	941012–1341	941012–1444	941013–1548
Operation	X REP OP/OG-07 WRT TCU MEM MODE CPU2/3 STOP CPU2/3 RST OP START	X REP RNG A STAR-3 WRT S CTLG CHK OBSERVE MODE RNG OFF	X REP BDR STOP X REP DE-0 ADRS ON BDR STOP	X REP RNG A DE-0/1 LEVL ON CPU2/3 STOP CPU2/3 RST GIS MEM MODE DE-0 ADRS ON RNG OFF	X REP ERR CODE RST CPU2/3 STOP CPU2/3 RST
Target	PSR0540-693	PSR0540-693	3C396	3C396	3C396
AOS(UT)	16:50:30	18:32:20	20:13:29	21:55:30	23:37:15
LOS(UT)	17:03:12	18:45:18	20:26:53	22:08:23	23:49:16
Max-El	18.084	52.617	Zenith	70.450	26.895
Time	16:57:03	18:38:13	———	22:01:24	23:42:43
Rep-band(stat.)	X (Complete)	X (Complete)	X (Complete)	X (Complete)	X (Complete)
Rep-start	16:52:08	18:33:02	20:14:20/20:20:30	21:56:12	23:37:56
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 ϕ_s	—, —	9.72, 265.33	3.55, 287.59	3.60, 288.64	3.66, 289.15
Attitude	$\begin{bmatrix} 84.2802 \\ 159.3108 \\ 325.5713 \end{bmatrix}$	$\begin{bmatrix} 84.3458 \\ 159.1016 \\ 325.5068 \end{bmatrix}$	$\begin{bmatrix} 286.1879 \\ 84.4649 \\ 184.1823 \end{bmatrix}$	$\begin{bmatrix} 286.1880 \\ 84.4647 \\ 184.1822 \end{bmatrix}$	$\begin{bmatrix} 286.1879 \\ 84.4643 \\ 184.1836 \end{bmatrix}$
OP-start(CE)	17:00:08 (00h)	Cont (0Ah)	Cont (16h)	Cont (1Fh)	Cont (29h)
GIS HAM ERR	Error/Reset	Normal	Error/Reset	Normal	Error/Reset
ACS ERR	———	———	———	———-	———
SIS-mode	Faint/Faint 0123/2301	Faint/Faint 0123/2301	Faint/Faint 0123/2301	Faint/Faint 0123/2301	Faint/Faint 0123/2301
S0/1-TECT	−33.71/−33.84	−34.10/−34.23	−35.41/−35.44	−36.04/−36.08	−36.72/−36.71
S0/1-CCDT	−60.12/−59.84	−60.17/−59.89	−60.45/−60.08	−60.68/−60.31	−61.06/−60.69
GIS-mode	PH(8–6–6–5–0)	PH(8–6–6–5–0)	PH(10–8–8–5–0)	PH(10–8–8–5–0)	PH(10–8–8–5–0)
GIS LD Hit	24cps/29cps	29cps/29cps	26cps/30cps	31cps/26cps	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	NO	3/4	48	159	218	16.4	15.8	386.55	184.11	1155
Pass: 941012-1134			3/4	40	159	218	10.9		408.12	180.16	1019

GIS Mode Changes: PH 8-6-6-5-0 (PSR0540-693) -> PH 10-8-8-5-0 (3C396)

Battery Condition (min/max)

BAT_V–A	BAT_V–B	BAT_I–A	BAT_I–B	BAT_T–A	BAT_T–B
19.80/23.50	19.90/23.50	−4.38/4.75	−4.47/4.78	4.82/8.74	4.82/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
10/12 19:20	3C396	4	(286.0067 , 5.4420)	(286.1878 , 84.4649 , 184.1827)

Comment: 本日の運用:

We observed PSR0540-693 (no.4) and SNR 3C396 (JPN). The counting rates of 3C396 were ∼0.2 c/sec/SIS