「あすか」 OPERATION REPORT Rev.5 Ver 3.1

94 年 10 月 19 日　Y+ 605　KSC 当番: M.Itoh 、 H.Kubo

PSR1929+10 / CH Cyg

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	941018–1030	941018–1134	941018–1237	941018–1340	941018–1444
Operation	X REP RNG A OP/OG-15 WRT TCU MEM MODE ERR CODE RST OP START RNG OFF	X REP S-CTLG-01 WRT S-CTLG CHK OBSERVE MODE	X REP BDR STOP X REP BDR STOP	X REP RNG A CPU2/3 STOP CPU2/3 RST GIS MEM MOD RNG OFF	X REP
Target	PSR1929+10	PSR1929+10	PSR1929+10	PSR1929+10	PSR1929+10
AOS(UT) LOS(UT)	14:53:15 15:06:24	16:34:38 16:48:06	18:16:25 18:29:50	19:58:18 20:11:12	21:40:25 21:51:20
Max-El Time	33.638 14:59:29	77.394 16:40:55	Zenith ——	45.796 20:04:08	14.428 21:45:16
Rep-band(stat.) Rep-start	X (Complete) 14:54:36	X (Complete) 16:35:44	X (Complete) 18:17:36/18:23:20	X (Complete) 19:59:50	X (Complete) 21:41:02
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	—, —	—-, —-	3.28, 119.16	3.21, 118.80	3.16, 118.21
Attitude	$\begin{bmatrix} 293.2353 \\ 78.9015 \\ 192.3438 \end{bmatrix}$	$\begin{bmatrix} 293.2355 \\ 78.9018 \\ 192.3438 \end{bmatrix}$	$\begin{bmatrix} 293.2354 \\ 78.9017 \\ 192.3437 \end{bmatrix}$	$\begin{bmatrix} 293.2355 \\ 78.9018 \\ 192.3444 \end{bmatrix}$	$\begin{bmatrix} 293.2357 \\ 78.9016 \\ 192.3440 \end{bmatrix}$
OP-start(CE)	15:03:34 (00h)	Cont (08h)	Cont (10h)	Cont (19h)	Cont (22h)
GIS HAM ERR	Normal	Normal	Normal	Normal	Normal
ACS ERR	(SH)MOMCHG	———	———	—-	—-
SIS-mode	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 1111/3333
S0/1-TECT	−35.36/−35.15	−35.32/−35.10	−35.65/−35.4	−36.43/−36.22	−37.40/−37.10
S0/1-CCDT	−61.57/−61.44	−61.48/−61.30	−61.43/−61.20	−61.53/−61.25	−61.62/−61.48
GIS-mode	PH(8–6–6–5–0)	PH(8–6–6–5–0)	PH(8–6–6–5–0)	PH(8–6–6–5–0)	PH(8–6–6–5–0)
GIS LD Hit	26cps/25cps	29cps/30cps	29cps/29cps	26cps/27cps	22cps/22cps

P	X	Y	R	S	Pos	MErr	HV_HL	Gain	RT-L	RT-U	Temp	RBMT	CalPk	RT Pk	CalCnt/time
8	6	6	5	0	FLF	NO	3/4	48	159	218	13.6	13.6	397.07	183.81	4835
Pass: 941018-1030							3/4	40	159	218	8.7		418.92	181.06	4549

GIS Mode Changes: PH 8-6-6-5-0 (PSR1929+10) -> PH 10-8-8-5-0 (CH Cyg)

Battery Condition (min/max)

BAT_V–A	BAT_V–B	BAT_I–A	BAT_I–B	BAT_T–A	BAT_T–B
19.90/23.50	19.90/23.50	−4.42/4.75	−4.64/4.76	4.82/8.74	4.82/8.17

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
10/19 8:00	CH Cyg	1	(291.1375 , 50.2414)	(291.4251 , 39.6745 , 186.2889)

Comment: 本日の運用:

Observation of PSR1929+10 continues (US,PI:Helfand). More data were dumped at KSC due to the maintenance at Goldstone, which made the source clearer than yesterday. The counting rates are ~0.006 c/sec/SIS

(1' radius) $\sim$0.015 c/sec/GIS (4' radius) (including BGD). 10 月 12 日、相模原から KSC にコマンドチェックファイルが届かなかった件につき、原因は宇宙研運用室のプロテオン (astronet の gateway) のハングアップで、プロテオンのリスタートによって回復した旨、藤本君が連絡してくれました。今後の参考にして下さい (伊藤) 。この 3 日間、 photon 数が少なくスペクトルフィットが味気ない(窪)。