

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

1997 年 05 月 01 日 Y+ 1531 KSC 当番: M. Ozaki and K. Takahashi

Lockman Hole #2 → Mkn 421 #4 → PSR 1929+10

	PASS 1			PASS 2			PASS 3			PASS 4			PASS 5			
Pass No.				970501-1237			970501-1340			970501-1444			970501-1547			
Operation	(HALCA)			X-REP SBR-A-RNG OP/OG-02 WRT TCU-MEM STAR-05 WRT S-CTLG-CHK OBSERVE ACS-ERR-RST OP-START RNG-OFF			X-REP BDR-STOP X-REP DE-0-ADRS-ON BDR-STOP			X-REP SBR-A-RNG CPU2/3-STOP CPU2/3-RST GIS-MEM RNG-OFF			X-REP			
Target				Lockman Hole #2			Lockman Hole #2			Mkn 421 #4			Mkn 421 #4			
AOS(UT)				18:14:44			19:56:14			21:37:47			23:19:41			
LOS(UT)				18:27:03			20:08:28			21:49:44			23:29:27			
Max-El				75.21°			Zenith			42.77°			12.95°			
Time				18:20:24			—			21:43:05			23:24:04			
Rep-band(stat.)	()			X (Complete)			X (Complete)			X (Complete)			X (Complete)			
Rep-start				18:15:26			19:56:58/20:02:33			21:38:26			23:20:08			
DP-mode				OBS/TCU/OBS ACS/OBS			OBS			OBS/GIS/OBS			OBS			
ACS-mode				Normal-Pointing			Normal-Pointing			Normal-Pointing			Normal-Pointing			
SUN-pos θ_s/ϕ_s				7.67°/122.35°			7.60°/122.23°			17.45°/191.18°			17.41°/191.38°			
Attitude	$\begin{bmatrix} \quad \\ \quad \end{bmatrix}$			$\begin{bmatrix} 163.7727^\circ \\ 32.4862^\circ \\ 149.0189^\circ \end{bmatrix}$			$\begin{bmatrix} 163.7728^\circ \\ 32.4870^\circ \\ 149.0174^\circ \end{bmatrix}$			$\begin{bmatrix} 166.3603^\circ \\ 51.8644^\circ \\ 139.9763^\circ \end{bmatrix}$			$\begin{bmatrix} 166.3602^\circ \\ 51.8643^\circ \\ 139.9760^\circ \end{bmatrix}$			
OP-start(CE)	()			18:24:20 (00h)			Cont (0Ch)			Cont (1Eh)			Cont (2Ah)			
GIS HAM ERR				—			—			—			—			
ACS ERR				(SH)MOMCHG →Reset			—			—			—			
SIS-mode				Faint 0123/2301			Faint 0123/2301			Faint 1111/3333			Faint 1111/3333			
S0/1-TECT				-39.44/-39.28°C			-39.58/-39.48°C			-40.50/-40.45°C			-41.23/-41.18°C			
S0/1-CCDT				-61.62/-61.77°C			-61.67/-61.77°C			-61.62/-61.77°C			-61.62/-61.77°C			
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)			
GIS LD Hit				32/30 cps			30/32 cps			29/25 cps			21/21 cps			
P	X	Y	R	S	Pos	MErr	HV_HL	Gain	RT-L	RT-U	Temp	RBMT	CalPk	CalCnt	CalTim	RT Pk
10	8	8	5	0	FLF	0	3/4	48	159	218	14.2	13.6	382.10	1052	15352	183.87
Pass: 970501-1237							3/4	40	159	218	8.2		413.50	974	15352	180.70

SIS Mode Changes: Lockman Hole: 4CCD F/F (LD 0.7/1.5,1.3 keV)
Mkn 421: 1CCD F/B (without LD nor AD)
PSR 1929+10: 4CCD/complementary-2CCD F/F (LD 0.55 keV)

GIS Mode Changes: PH 10-8-8-5-0-0

Battery Condition (min/max)

BAT_V-A	BAT_V-B	BAT_I-A	BAT_I-B	BAT_T-A	BAT_T-B
19.10/23.30	19.20/23.30	-4.86/4.73	-4.77/5.12	4.82/8.74	4.55/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
5/1 20:30	Mkn 421 #4	5	(166.1138, 38.2089)	(166.3605, 51.8652, 139.9761)
5/2 4:10	PSR 1929+10	6	(292.8292, 10.8883)	(292.6277, 79.2944, 12.7300)

Comment: 本日の運用: ASCA continuously observed Lockman Hole (PI=Y.Ishisaki, 70 ks, JPN). The GIS count rate of the point-like source (see yesterday's operation report) is 7×10^{-3} cts/s/GIS. The count rate in SIS FOV is 0.03 cts/s/chip. From the PASS3, ASCA again observed Mkn 421. The count rates are 6 cts/s/GIS and 3 cts/s/SIS. Mkn 421 は事前の予想より一桁以上強いです。それでもテレメはサチらないようで一安心。それにしても、運用時刻とコマンド到着時刻が 12 時間ずれてるといのはなんとも生活リズムが作り難いものです。仕方がない訳ですが。(おざき) 国分君は今朝、年季明けの身となりました。御丁寧な引き継ぎをどうも有難うございました。(高橋)