

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

1997 年 08 月 19 日 Y+ 1641 KSC 当番: R. Fujimoto and H. Matsuzawa

GRB970815 → PKS_0405-385_1

	PASS 1			PASS 2			PASS 3			PASS 4			PASS 5			
Pass No.	970819-0721			970819-0824			970819-0928			970819-1031			970819-1134			
Operation	(あけぼの)			X-REP SBR-A-RNG OP/OG-09 WRT TCU-MEM ACS-ERR-RST CPU2/3-STP CPU2/3-RST OP-START RNG-OFF			X-REP STAR-06 WRT S-CTLG-CHK OBSERVE BDR-STP X-REP BDR-STP X-REP BDR-STP			X-REP SBR-A-RNG CPU2/3-STP CPU2/3-RST GIS-MEM RNG-OFF			X-REP			
Target				GRB970815			GRB970815			GRB970815			GRB970815			
AOS(UT)				11:53:56			13:34:41			15:16:37			16:57:42			
LOS(UT)				12:05:53			13:47:18			15:28:34			17:09:00			
Max-El Time				63.093° 11:59:11			Zenith —			55.092° 15:21:53			18.244° 17:02:56			
Rep-band(stat.)	()			X (Complete)			X (Complete)			X (Complete)			X (Complete)			
Rep-start				11:54:37			35:48/41:17/44:56			15:17:17			16:58:32			
DP-mode				OBS/TCU/OBS			OBS/ACS/OBS			OBS/GIS/OBS			OBS			
ACS-mode				Normal-Pointing			Normal-Pointing			Normal-Pointing			Normal-Pointing			
SUN-pos θ_s/ϕ_s				12.00°/1.65°			—/—			—/—			—/—			
Attitude	$\begin{bmatrix} \quad \end{bmatrix}$			$\begin{bmatrix} 243.35759^\circ \\ 8.45594^\circ \\ 173.81806^\circ \end{bmatrix}$			$\begin{bmatrix} 243.35714^\circ \\ 8.45550^\circ \\ 173.81882^\circ \end{bmatrix}$			$\begin{bmatrix} 243.35713^\circ \\ 8.45557^\circ \\ 173.81839^\circ \end{bmatrix}$			$\begin{bmatrix} 243.35187^\circ \\ 8.45549^\circ \\ 173.82336^\circ \end{bmatrix}$			
OP-start(CE)	()			12:03:13(00h)			Cont (09h)			Cont(12h)			Cont (1Dh)			
GIS HAM ERR				ERR→Reset			—			—			—			
ACS ERR				(SH)MOMCHG →Reset			—			(SH)MOMCHG →Reset			—			
SIS-mode				Faint 1111/3333			Faint 1111/3333			Faint 1111/3333			Faint 1111/3333			
S0/1-TECT				−39.29/−39.19°C			−39.44/−39.28°C			−39.87/−39.67°C			−40.21/−40.01°C			
S0/1-CCDT				−61.67/−61.81°C			−61.67/−61.81°C			−61.67/−61.77°C			−61.67/−61.81°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				28/28 cps			31/30 cps			32/30 cps			25/27 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	1	3/4	48	159	218	12.0	12.0	389.30	1456	21490	183.51
Pass: 970819-0824							3/4	40	159	218	6.0		415.18	1294	21490	180.66

SIS Mode Changes: GRB970815 : 1CCD(1111/3333) F/F for H/M (LV OF, AD OF)
 PKS_0405-385_1 : 1CCD(1111/3333) F/F for H/M (LV OF, AD OF)

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
19.20/23.40	19.30/23.30	−4.55/4.73	−4.64/4.76	4.82/8.74	4.82/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
08/19 21:10	PKS_0405-385_1	3	(61.7458, −39.4411)	(61.526307, 128.549472, 13.301183)

Comment: 本日の運用: ASCA is observing GRB 970815. At least one source was detected in both GIS and SIS FOV. The counting rate of which is 0.006 cps/GIS. More detailed analysis including precise attitude determination will be performed at ISAS today.

3 パスめ、BDR-STOP を早く打ち過ぎたために、もう一度 X-REP と BDR-STOP を打ちました。

とうとうやった、かもしれません。大々的に書きたいところですが、今日にも、相模原で詳細な解析が行なわれることでしょうから、ここでは控えておくことにします。(奥ゆかしい藤本)

今日は毎パスごと SIS イメージの QL 解析を行ないました。KSC で受信できる光子数は少ないのでパスを重ね光子数を貯め込むにつれバックグラウンドの中に埋もれていた天体が現れてきました。(松沢)