

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

1998 年 9 月 15 日 Y+ 2033 KSC 当番: T.Tamura, K.Yoshida and D.Akutsu

Crab_Nebula

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	980915-0720	980915-0824	980915-0927		980915-1134
Operation	X-REP SBR-A-RNG OP/OG-05 WRT TCU-MEM CPU2/3-STOP CPU2/3-RST OP-START RNG-OFF	X-REP BDR-STOP X-REP BDR-STOP	X-REP CPU2/3-STOP CPU2/3-RST GIS-MEM BDR-STOP X-REP BDR-STOP	(AKEBONO)	X-REP
Target	Crab_Nebula	Crab_Nebula	Crab_Nebula		Crab_Nebula
AOS(UT)	09:59:45	11:40:48	13:22:07		16:45:10
LOS(UT)	10:11:50	11:53:07	13:34:29		16:55:13
Max-El	33.28°	Zenith	Zenith		11°
Time	10:05:27	—	—		16:49:34
Rep-band(stat.)	X (Complete)	X (Complete)	X (Complete)	()	X (Complete)
Rep-start	10:00:21	11:41:27	13:22:44/13:28:18		16:46:09
DP-mode	OBS/TCU/OBS	OBS	OBS/GIS/OBS		OBS
ACS-mode	Normal-Pointing	Normal-Pointing	Normal-Pointing		Normal-Pointing
SUN-pos θ_s/ϕ_s	2.380°/305.6°	2.48°/309.84°	—/—		—/—
Attitude	$\begin{bmatrix} 83.4215^\circ \\ 68.0548^\circ \\ 0.6463^\circ \end{bmatrix}$	$\begin{bmatrix} 83.4206^\circ \\ 68.0545^\circ \\ 0.64813^\circ \end{bmatrix}$	$\begin{bmatrix} 83.4252^\circ \\ 68.0597^\circ \\ 0.6498^\circ \end{bmatrix}$	$\begin{bmatrix} \\ \\ \end{bmatrix}$	$\begin{bmatrix} 83.4203^\circ \\ 68.0548^\circ \\ 0.6479^\circ \end{bmatrix}$
OP-start(CE)	10:09:09 (00h)	Cont (09h)	Cont (13h)	()	Cont (25h)
GIS HAM ERR	ERR → Reset				
ACS ERR					
SIS-mode	Faint 1111/3333	Faint 1111/3333	Faint 1111/3333		Faint 1111/3333
S0/1-TECT	−36.96/−36.81°C	−36.82/−36.90°C	−36.58/−36.71°C		−37.06/−37.15°C
S0/1-CCDT	−61.62/−61.72°C	−61.62/−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	21.1/24.2 c s ^{−1}	26.3/24.0 c s ^{−1}	579.1/644.4 c s ^{−1}		594.1/671.5 c s ^{−1}

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	15.3	14.7	377.25	872	15308	184.10	
Pass: 980915-0720							3/4	40	159	218	8.7		401.05	832	15308	179.78	

SIS Mode Changes:	Crab_Nebula	1CCD(1111/3333)	Faint(bit-H/M), LD(0.48keV) on, AD on
	Crab_Nebula	1CCD(1111/3333)	Fast(bit-H/M), LD(0.48keV) on, AD on
	Crab_Nebula	2CCD(0101/2323)	Faint(bit-H/M), LD(0.48keV) on, AD on
	Crab_Nebula	4CCD(0123/2301)	Faint(bit-H/M), LD(0.48keV) on, AD on, bias offset 56(S0),64(S1)
GIS Mode Changes: Crab_Nebula PH(10-8-8-5-0)			

Battery Condition (min/max)

BAT_V-A	BAT_V-B	BAT_I-A	BAT_I-B	BAT_T-A	BAT_T-B
18.60/23.20	18.60/23.30	−5.03/4.75	−5.07/4.78	4.82/8.74	4.55/7.32

Maneuver Operation

Start Time	Target Name	#	(α , δ)	(ϕ , θ , ψ)
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Comment: 本日の運用: ASCA pointed "the Mouse off" (PI:Sakano,SNR), to monitor bright sources around "the

Mouse". In the GIS FOV, three bright sources were detected. The position of one source, which was detected also with the SIS, corresponds to one of KS1741-293. X-ray spectra of these sources were heavily absorbed ($N_{\text{H}} \sim 10^{23} \text{ cm}^{-2}$). ASCA has been observing the Crab nebula for calibration of the XRT and GIS (MOT target).

Crab Nebula は SIS では、アドレスディスクリで隠されているので、寂しいです。Crab Nebula は何回書いてもつづりを間違えてしまいました (阿久津)。関東は台風が来たようで、大変ですね。内之浦は、天の川が見えるほど晴れています。吉田さんが到着したので、肩の荷がおりました (TT)。本日到着しました。久しぶりの鹿児島です (吉田 K)。