

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

1997 年 12 月 09 日 Y+ 1753 KSC 当番: K. Hayashida and C. Tanihata

A2667/A133

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5											
Pass No.	971209-0207	971209-0310	971209-0414	971209-0517												
Operation	X-REP OP/OG-04 WRT TCU-MEM-MODE OP-START	X-REP SBR-A-RNG STAR-01 S-CTLG-CHK Observe-MODE RNG-OFF	X-REP CPU2/3-STOP CPU2/3-RST GIS-MEM-MODE DE-0-ADRS-OF BDR-STOP X-REP BDR-STOP	X-REP SBR-A-RNG RNG-OFF	あけぼの											
Target	A2667	A2667	A133	A133												
AOS(UT)	03:09:35	04:51:26	06:32:09	08:14:04												
LOS(UT)	03:21:54	05:03:21	06:44:42	08:26:02												
Max-El	20.872°	59.384°	Zenith	59.435°												
Time	03:15:46	04:56:48	—	08:19:28												
Rep-band(stat.)	X (Complete)	X (Complete)	X (Complete)	X (Complete)	()											
Rep-start	03:11:33	04:51:59	06:32:58/06:38:46	08:14:44												
DP-mode	OBS/TCU/OBS/ ACS/OBS	OBS/ACS/OBS	OBS/GIS/OBS	OBS												
ACS-mode	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing												
SUN-pos θ_s/ϕ_s	4.96°/91.38°	4.98°/90.48°	17.10°/197.92°	4.75°/100.24°												
Attitude	$\begin{bmatrix} 358.0630^\circ \\ 115.9309^\circ \\ 210.5332^\circ \end{bmatrix}$	$\begin{bmatrix} 358.0633^\circ \\ 115.9305^\circ \\ 210.5331^\circ \end{bmatrix}$	$\begin{bmatrix} 15.8216^\circ \\ 111.7584^\circ \\ 207.9913^\circ \end{bmatrix}$	$\begin{bmatrix} 15.8212^\circ \\ 111.7588^\circ \\ 207.9947^\circ \end{bmatrix}$	$\begin{bmatrix} \\ \\ \end{bmatrix}$											
OP-start(CE)	03:18:47(00h)	Cont(09h)	Cont(19h)	Cont(23h)	()											
GIS HAM ERR	—	—	—	—												
ACS ERR	—	—	—	—												
SIS-mode	Faint 1111/3333	Faint 1111/3333	Faint 1212/3030	Faint 1212/3030												
S0/1-TECT	-41.72/-41.76°C	-41.43/-41.52°C	-41.47/-41.57°C	-41.09/-41.28°C												
S0/1-CCDT	-61.67/-61.77°C	-61.67/-61.77°C	-61.67/-61.77°C	-61.67/-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	23/26 cps	26/25 cps	28/27 cps	28/32 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	379.28	2310	28752	183.97
Pass: 971209-0207							3/4	40	159	218	7.1		407.19	2079	28752	180.44

SIS Mode Changes: A2667 : 1CCD(1111/3333) Faint/Faint, LD off, AD off;// A133 : 1CCD(1111/3333) for bit M, 2CCD(1212/3030) for bit H, Faint/Faint, LD off, AD on

GIS Mode Changes: A2667 : (PH 10-8-8-5-0); A133 : (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
19.30/23.30	19.30/23.30	-4.42/4.75	-4.38/4.99	4.82/8.74	4.82/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
12/09 6:10	A133	1	(15.6750, -21.8868)	(15.8209, 111.7591, 207.9913)

Comment: 本日の運用: We obtained about 20 ksec exposure data of A2667, here in KSC. We found evidence of a redshifted ($z=0.234$) iron line in the spectrum. The next target A133 (cluster $z=0.0604$; PI=Sarazin/Kikushi, MUSJ) was detected clearly. Its counting rate was 0.2 c/sec/sensor.

Yesterday, we reported that NGC4111 (LINER) was detected with a heavily absorbed X-ray spectrum. However, Terashima-san (PI, Nagoya University) noticed us that there is a Seyfert 2 galaxy NGC4117 near NGC4111 and we might have mis-identified it.

幸村君昼頃消感。いろいろな意味で御苦勞様でした。昨日、後処理の解析でいくつか問題がでたおかげで作業が3時すぎまで長引き睡眠不足です。こういうときは変な夢をみるもので今朝のはこわかったです（ストーリーはよく覚えていないが出演者の何人かは覚えています；秘密だけど）。もうひとつ、入感チェックから入感まで5分ほどの沈黙の時間も問題で、”これより運用を開始します”に思わず”はい”と返事しそうになってしまいました。（実際に返事した人もいたに違いない

ですね) (林田)

らいじんが計算しているのを待っている時も寝てしまいます。xspec でモデルパラメータのエラーを計算し始めて、3 5 分、まだ終了ません。(谷畑)