

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

1996 年 07 月 11 日 Y+ 1237 KSC 当番: M. Sugizaki and H. Tomida

NGC3783.2 → NGC612

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5											
Pass No.	960711-1032	960711-1135	960711-1239	960711-1342	960711-1445											
Operation	X-REP OP/OG-14 WRT TCU-MEM OP-START	X-REP SBR-A-RNG STAR-04 WRT S-CTLG-CHK OBSERVE CPU2/3-STOP CPU2/3-RST RNG-OFF	X-REP BDR-STOP X-REP BDR-STOP	X-REP CPU2/3-STOP CPU2/3-RST GIS-MEM	X-REP SBR-A-RNG RNG-OFF											
Target	NGC3783_2	NGC3783_2	NGC3783_2	NGC3783_2	NGC3783_2											
AOS(UT)	15:43:56	17:23:43	19:05:50	20:47:30	22:28:46											
LOS(UT)	15:56:18	17:36:50	19:18:10	20:59:45	22:40:56											
Max-El	12.196°	41.319°	Zenith	76.376°	31.767°											
Time	15:49:10	17:30:08	—	20:52:54	22:34:10											
Rep-band(stat.)	X (Complete)	X (Complete)	X (Complete?)	X (Complete)	X (Complete)											
Rep-start	15:45:28	17:25:45	19:06:48/19:12:13	20:49:06	22:29:38											
DP-mode	OBS/TCU/OBS	OBS/ACS/OBS	OBS	OBS/GIS/OBS	OBS											
ACS-mode	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing											
SUN-pos θ_s/ϕ_s	*****/*****	9.31°/307.75°	9.30°/308.20°	9.31°/308.55°	9.30°/309.00°											
Attitude	$\begin{bmatrix} 174.9926^\circ \\ 127.8130^\circ \\ 139.0782^\circ \end{bmatrix}$	$\begin{bmatrix} 174.9926^\circ \\ 127.8130^\circ \\ 139.0782^\circ \end{bmatrix}$	$\begin{bmatrix} 174.9926^\circ \\ 127.8130^\circ \\ 139.0782^\circ \end{bmatrix}$	$\begin{bmatrix} 174.9926^\circ \\ 127.8130^\circ \\ 139.0782^\circ \end{bmatrix}$	$\begin{bmatrix} 174.9926^\circ \\ 127.8130^\circ \\ 139.0782^\circ \end{bmatrix}$											
OP-start(CE)	15:50:40 (00h)	Cont (0Bh)	Cont (15h)	Cont (20h)	Cont (2Bh)											
GIS HAM ERR	—	ERR → Reset	—	ERR → Reset	—											
ACS ERR	—	—	—	—	—											
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	−34.78/−34.81°C	−36.09/−36.03°C	−36.87/−36.76°C	−38.66/−38.26°C	−38.97/−39.62°C											
S0/1-CCDT	−60.82/−60.55°C	−61.10/−61.73°C	−61.62/−61.16°C	−61.62/−61.72°C	−61.62/−61.72°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)	PH(10-8-8-5-0)											
GIS LD Hit	25/24 cps	27/25 cps	28/28 cps	30/26 cps	30/29 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	2	3/4	48	159	218	17.5	18.0	370.77	119	1430	184.09
Pass: 960711-1032							3/4	40	159	218	12.0		384.03	128	1430	180.26

SIS Mode Changes: Faint(bit-H)/Bright(bit-M) 1111/3333, ADR Off. LVL Off for NGC3783.2
Faint(bit-H,M) 1111/3333, ADR Off. LVL Off for NGC612

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
19.40/23.30	19.40/23.30	-4.38/4.81	-4.64/4.78	4.82/9.03	4.82/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
07/12 08:10	NGC612	5	(23.4852 , -36.4856)	(23.2815 , 126.6104 , 16.3151)

Comment: 本日の運用: We observed NGC3783.2 (PI=GEORGE; US) today. The count rates were 1.0 c/s for GIS and 1.4 c/s for SIS (including background).

1pass 目、Max elevation =12° で Repro 完了が確認できて喜んでいたら、3pass 目、天頂通過に伴う Repro 停止時間の計算を誤って Repro2 秒分ほどのデータを損ないました。使用していた BDR の容量から考えると、実質的なデータの欠損はないと思います。

本日も 1pass 目 stored data の GIS₃ cal peak が通常の値に比べて 15 channel ほど落ちましたが、その後のデータを見ると正常でした。原因は昨日と同様、単に cal peak photon の統計不足だと思います。

梅雨明けが近いのか、今日も朝日がきれいです。(杉崎)

ISAS 当番のコマンド製作が早くとても嬉しいです。これからもよろしくおねがいします。(とみだ)