

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

94 年 9 月 03 日 Y+ 560 KSC 当番: K. Iwasawa 、 H. Kaneda

ANTI 5KPC ARM/ESO 103-G35/TAU SCO

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5					
Pass No.	940903-0927	940903-1030	940903-1134	940903-1237	940903-1340 Routine record for each pass (UT) Pass-1					
Operation	X REP SBR-RNG OP/OG-12 TCU MEM MODE ACS ERR RST STAR-04(5) S-CTLG CHK OBSERVE MODE DE-0/1 FAINT OP START RNG OFF	X REP CPU-2/3 STP CPU-2/3 RST STAR-05(6,1,2,3,4) S-CTLG CHK OBSERVE MODE BDR-STOP X-REP BDR STOP	X REP STAR-06(5) S-CTLG CHK OBSERVE MODE ACS ERR RST CPU-2/3 STP CPU-2/3 RST BDR STOP X REP BDR STOP	X REP SBR-A RNG OP STOP OR/OG-15 TCU MEM MODE STAR-01(6) S-CTLG CHK OBSERVE MODE CPU2/3 STOP CPU2/3 RST GIS MEM MODE OP STRT RNG OFF	X REP DE-0/1 FAINT					
Target	ANTI 5KPC ARM	ANTI 5KPC ARM	ANTI 5KPC ARM	ANTI 5KPC ARM	ANTI 5KPC ARM					
AOS(UT)	13:08:19	14:49:20	16:31:48	18:13:33	19:55:48					
LOS(UT)	13:21:21	15:02:58	16:44:22	18:25:45	20:05:30					
Max-El Time	36.871 13:14:36	Zenith —	Zenith —	38.925 18:19:04	10.876 20:00:05					
Rep-band(stat.) Rep-start	X (Complete) 13:09:38	X (Complete) 14:50:52/14:56:44	X (Complete) 16:32:44/16:38:30	X (Complete) 18:14:24	X (Incomplete) 19:56:54					
DP-mode	OBS/ACS/OBS	OBS/ACS/OBS	OBS/ACS/OBS	OBS/ACS/OBS	OBS					
ACS-mode ACS-spn/ θ_s ϕ_s	Normal-Pointing Night	Normal-Pointing Night	Normal-Pointing Night	Normal-Pointing 2.67, 174.21	Normal-Pointing 2.95, 177.28					
Attitude	$\begin{bmatrix} 248.08847 \\ 137.49180 \\ 171.94905 \end{bmatrix}$	$\begin{bmatrix} 249.21355 \\ 138.17055 \\ 172.78389 \end{bmatrix}$	$\begin{bmatrix} 248.94776 \\ 137.61919 \\ 172.53066 \end{bmatrix}$	$\begin{bmatrix} 248.68930 \\ 137.05131 \\ 172.26972 \end{bmatrix}$	$\begin{bmatrix} 248.83770 \\ 135.74615 \\ 172.97923 \end{bmatrix}$					
OP-start(CE)	13:18:34 (00h)	Cont (10h)	Cont (1Fh)	18:22:32 (00h)	Cont (1Bh)					
GIS HAM ERR	Normal	ERR	ERR	Normal	ERR					
ACS ERR	(SH)MOMCHG	—	(SH)MOMCHG	—	—					
SIS-mode S0/1-TECT S0/1-CCDT	Faint/Faint 0123/2301 -40.02/-39.96 -61.67/-61.77	Faint/Faint 0123/2301 -40.36/-40.30 -61.67/-61.77	Faint/Faint 0123/2301 -40.50/-40.45 -61.67/-61.77	Faint/Faint 0123/2301 -40.80/-40.74 -61.67/-61.77	Bright/Bright 0123/2301 -41.62/-41.52 -61.67/-61.77					
GIS-mode GIS LD Hit	PH(10-8-8-5-0) 28cps/25cps	PH(10-8-8-5-0) 32cps/32cps	PH(10-8-8-5-0) 28cps/29cps	PH(10-8-8-5-0) 26cps/27cps	PH(10-8-8-5-0) 26cps/20cps					
P X Y R S	Pos	MErr	HV_HL	Gain	RT-L RT-U	Temp	RBMT	CalPk	RT Pk	CalCnt/time
10 8 8 5 0	FLF	HAM ERR	3/4	48	159 218	13.6	14.1	395.67	183.72	1902
Pass: 940903-0927			3/4	40	159 218	7.6		421.83	181.15	1807
GIS Mode Changes: 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
20.1/23.5	20.1/23.5	-4.29/4.73	-4.38/4.76	4.82/8.74	4.82/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
09/03 13:30	ANTI5KPC ARM22	5	(246.7966 , -48.9528)	(249.2094 , 138.1836 , 172.7863)
09/03 15:14	ANTI5KPC ARM23	6	(246.7966 , -48.9528)	(248.9489 , 137.6216 , 172.5306)
09/03 16:54	ANTI5KPC ARM24	1	(246.7966 , -48.9528)	(248.6893 , 137.0513 , 172.2697)
09/03 18:34	ANTI5KPC ARM25	2	(246.7966 , -48.9528)	(249.8107 , 137.7373 , 173.0828)
09/03 19:07	ANTI5KPC ARM26	3	(246.7966 , -48.9528)	(249.5438 , 137.1757 , 172.7993)
09/03 19:47	ANTI5KPC ARM27	4	(246.7966 , -48.9528)	(249.2817 , 136.6086 , 172.5353)
09/03 20:40	ESO 103-G35	5	(279.5842 , -65.4281)	(279.9639 , 155.2903 , 201.2401)
09/04 20:40	TAU SCO	6	(248.9709 , -28.2158)	(249.2024 , 118.1859 , 168.7820)

Comment: 本日の運用:

Total 27 pointings of anti-5kpc arm region has been completed today. The SIS count rate in the position 21 is 0.4 cps from a collection of 4CCD. We can see extended emission (0.35cps/S2) and a point source (0.1cps/S2) in the GIS field of view. The point source is located very close to the Cal. source in S3. The spectra of both sources are heavily absorbed.

昨日あたりから SIS TECT 温度が -41° くらいに下がってきています。それから金田君が発見したんですが、ACS-2 画面の右下に H-AD B1 ERR が常時見えてますが、これはこのままでいいのでしょうか？ 1993/7/27 からこの ERR は起こってますが ECC-C の値がどんどん積分されて現在 150 になっています。reset しなくてもいいのでしょうか。5pass 目は elevation が低く 20 秒程度データが欠損しました（岩澤）。

コマンドプランがなかなか送られてこなかったので、卓球に燃えた。（金田）