

it is thermal or non-thermal. The spectra can be explained with both models. Count rates are about 0.05 ~ 0.13 c/s.

本日の運用: 可視中、SIS1 がテレメトリ飽和を起こしました。受信中が地没であったために気がつくのが遅れ、有効な対策をとることができませんでした。

今日は初夏を思わせるような非常によい天気です。「あすか」、「ようこう」に加え、メーカーの人も交替の時期らしく、SA テレメータは賑やかです。(藤本)

猫がいっぱいいます。とってもかわいいです。(武藤)

SIS の saturation の件ですが、SIS の QL 担当として関係各位にお詫び申し上げます。明日は消感です。朝日の中、一杯ひっかけながら天頂通過時のアンテナ反転を見物したいと思っています。(菊池)

「あすか」 OPERATION REPORT Ver.1.5

94 年 5 月 15/16 日 Y+ 449/450 KSC 当番: R. Fujimoto 、 K. Kikuchi
, K. Mutoh

CHAMELEON-I → Step Point → Mrk421

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5					
Pass No.	940515-1238	940515-1341	940515-1445	940515-1548	940516-0103					
Operation	X REP OP/OG WT/CK TCU MEM MODE GIS CPU STP GIS CPU RST OP START DE-0 ADRS ON	X REP SBR-A RNG S-CTLG WT/CK OBSERVE MODE DE-0 ADRS ON RNG OFF	X REP DE-0 ADRS ON BDR STOP X REP BDR STOP	X REP SBR-A RNG CPU2/3 STOP CPU2/3 RST GIS MEM MODE RNG OFF	X REP					
Target	CHAMELEON_3	CHAMELEON_3	CHAMELEON_4	CHAMELEON_4	CHAMELEON_4					
AOS(UT)	18:42:04	20:24:09	22:04:43	23:46:25	01:28:21					
LOS(UT)	18:54:54	20:36:39	22:17:40	23:59:04	01:39:37					
Max-El Time	23.666 18:48:23	63.565 20:29:43	Zenith —	57.176 23:52:51	18.932 01:34:03					
Rep-band(stat.) Rep-start	X (Completed) 18:43:53	X (Completed) 20:24:49	X (Completed) 22:06:17/22:11:57	X (Completed) 23:48:07	X (Completed) 01:29:23					
DP-mode	OBS	OBS/ACS/OBS	OBS	OBS	OBS					
ACS-mode ACS-spn/ θ_s ϕ_s	Normal-Pointing 23.97°, 176.49°	Normal-Pointing 23.98°, 176.31°	Normal-Pointing 23.83°, 177.46°	Normal-Pointing 23.83°, 177.21°	Normal-Pointing 23.84°, 177.09°					
Attitude	$\begin{bmatrix} 167.5210 \\ 167.1225 \\ 201.9304 \end{bmatrix}$	$\begin{bmatrix} 167.5216 \\ 167.1225 \\ 201.9303 \end{bmatrix}$	$\begin{bmatrix} 167.5490 \\ 167.4588 \\ 201.5267 \end{bmatrix}$	$\begin{bmatrix} 167.5499 \\ 167.4584 \\ 201.5280 \end{bmatrix}$	$\begin{bmatrix} 167.5479 \\ 167.4591 \\ 201.5260 \end{bmatrix}$					
OP-start(CE)	18:51:49 (00h)	Cont (09h)	Cont (14h)	Cont (1E)	Cont (28)					
SIS-mode S0/1-TECT S0/1-CCDT	Faint/Faint 0123/2301 -33.38/-33.55 -59.27/-59.09	Faint/Faint 0123/2301 -33.76/-33.94 -59.37/-59.14	Faint/Faint 0123/2301 -34.49/-34.67 -59.46/-59.23	Faint/Faint 0123/2301 -35.07/-35.20 -59.70/-59.42	Faint/Faint 0123/2301 -35.36/-35.44 -59.93/-59.66					
GIS-mode GIS LD Hit	PH(10-8-8-5-0) 24cps/23cps	PH(10-8-8-5-0) 27cps/28cps	PH(10-8-8-5-0) 31cps/29cps	PH(10-8-8-5-0) 25cps/26cps	PH(10-8-8-5-0) 25cps/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	2	3/4	48	159 218	19.1 19.6		387.08	184.30	1245
Pass: 9405151238			3/4	40	159 218	14.2		403.78	180.14	1183
GIS Mode Changes: 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
19.90/23.50	19.90/23.50	-4.34/4.75	-4.43/4.78	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
05/15 21:10	CHAMELEON4	4	(166.7500 , -77.6666)	(167.5481 , 167.4594 , 201.5261)
05/16 09:35	Step Point	5	(,)	(85.5617 , 157.6130 , 120.5216)
5/16 09:52	Mrk421	6	(166.1138 , 33.2088)	(166.3769 , 51.8160 , 153.6125)

Comment: From last weekend, we have been observeing CHAMELEON Nebular (PI:Yamauchi). There are several sources in the FOV of Pos3 and Pos4. Partly because of the poor statistics, we couldn't say whether