

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

1996 年 10 月 17 日 Y+ 1335 KSC 当番: C.Otani and H.Ezuka

IRAS 19254-7245 → R CrA → 4U 1907+09 #4

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5											
Pass No.	961017-1133	961017-1236	961017-1340	961017-1443	961017-1547											
Operation	X-REP OP/OG-09 WRT TCU-MEM OP-START	X-REP SBR-A-RNG STAR-06 WRT S-CTLG-CHK OBSERVE CPU2/3-STOP CPU2/3-RST RNG-OFF	X-REP BDR-STOP X-REP BDR-STOP	X-REP SBR-A-RNG CPU2/3-STOP CPU2/3-RST GIS-MEM RNG-OFF	X-REP											
Target	IRAS 19254-7245	IRAS 19254-7245	IRAS 19254-7245	IRAS 19254-7245	IRAS 19254-7245											
AOS(UT)	16:17:40	17:59:20	19:40:09	21:22:00	23:03:24											
LOS(UT)	16:30:18	18:12:08	19:53:34	21:35:06	23:15:38											
Max-El	23.015°	63.750°	Zenith	59.990°	21.631°											
Time	16:23:43	18:04:53	—	21:27:53	23:09:04											
Rep-band(stat.)	X (Complete)	X (Complete)	X (Complete)	X (Complete)	X (Complete)											
Rep-start	16:18:41	18:00:05	19:40:49/19:46:57	21:22:38	23:04:16											
DP-mode	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	—/—	10.68°/329.04°	10.69°/329.35°	10.67°/329.66°	10.70°/329.92°											
Attitude	$\begin{bmatrix} 293.50303^\circ \\ 162.59985^\circ \\ 177.78130^\circ \end{bmatrix}$	$\begin{bmatrix} 293.50549^\circ \\ 162.59935^\circ \\ 177.78723^\circ \end{bmatrix}$	$\begin{bmatrix} 293.50569^\circ \\ 162.59929^\circ \\ 177.78737^\circ \end{bmatrix}$	$\begin{bmatrix} 293.50616^\circ \\ 162.59930^\circ \\ 177.78766^\circ \end{bmatrix}$	$\begin{bmatrix} 293.50612^\circ \\ 162.59951^\circ \\ 177.78768^\circ \end{bmatrix}$											
OP-start(CE)	16:27:05 (00h)	Cont (0Ah)	Cont (14h)	Cont (1Eh)	Cont (28h)											
GIS HAM ERR	OK	ERR → Reset	OK	OK	OK											
ACS ERR	—	—	—	—	—											
SIS-mode	Faint 1111/3333	Faint 1111/3333	Faint 1111/3333	Faint 1111/3333	Faint 1111/3333											
S0/1-TECT	-35.51/-35.49°C	-36.09/-36.03°C	-36.29/-36.27°C	-37.11/-37.05°C	-37.74/-37.58°C											
S0/1-CCDT	-61.43/-61.30°C	-61.43/-61.30°C	-61.48/-61.30°C	-61.62/-61.44°C	-61.62/-61.62°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	24/23 cps	27/27 cps	29/29 cps	28/28 cps	24/23 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	1	3/4	48	159	218	13.6	13.6	379.73	150	3486	183.80
Pass: 961017-1133							3/4	40	159	218	7.6		415.98	158	3486	180.69

SIS Mode Changes: F/F 1111/3333 (LD 0.48 keV) → F/F 1111/3333 → F/B 1111/3333

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
19.20/23.30	19.20/23.30	-4.77/5.07	-4.86/5.01	4.82/9.03	4.82/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
10/17 23:30	R CrA	2	(285.4817 , -36.9527)	(285.7301 , 126.8494 , 183.0016)
10/18 12:10	4U 1907+09 #4	3	(287.4025 , 9.8269)	(287.6049 , 80.1096 , 178.8301)

Comment: 本日の運用: ASCA had observed IRAS 19254-7245 (PI:Awaki, JPN). Its count rate is 0.003 c/s/SIS0 and 0.003 c/s/GIS after subtracting BGD. Although yesterday we reported its spectrum consisting of two (absorbed and non-absorbed) components, it was inaccurate. IRAS 19254-7245 spectrum seems nearly power-law with photon index of 1-2. There are several sources in the GIS FOV. One of them near IRAS 19254-7245, which was included in the yesterday's integration region, shows such a two-component spectral feature. Spectra of other sources show various properties, some are soft, and others are hard.

「ちょっと仮眠」するつもりが爆睡してしまい、運用開始間際に起こされてしまいました。大谷さんごめんなさい。やはりこの時間帯の受信はつらいです。(いちおう反省している江塚) いやいや、私もパス間に作業机に伏せて寝ているところを「大谷さん、5分前ですよ」と2度も起こされてしまった。5分前まで待っていてくれる江塚君は大変優しい。2人で寝込んでメーカーさんに起こされるというのは避けたいですね。あ、今晚鳥居君がやってくるから、大丈夫かな? 彼は今日飛行機に乗り遅れてしまったらしいが...。(かすかな不安が脳裏をよぎる大谷)