「あすか」 OPERATION REPORT Ver.1.5

94 年 6 月 11 日 Y+ 476 KSC 当番: T.Tsuru, 、 K.Okada

ComaN7→ComaN8→NGC4418→A1995

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	940611–0412	940611–0516	940611–0619	940611–0722	940611–0826
Operation	X REP DE-) ADRS OF OP/OG-11 RAM TCU MEM CPU2/3 STOP CPU2/3 RST ACS ERR CODE RESET OP STRT	X REP SBR-A RNG STAR-04 RAM S-CTLG CHK OBSERVE MODE RNG OFF	X REP 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	ComaN7	ComaN7	ComaN7	ComaN8	ComaN8
AOS(UT) LOS(UT)	05:49:59 06:01:47	07:31:49 07:43:48	09:12:48 09:25:09	10:54:47 11:06:42	12:36:16 12:47:23
Max-El Time	22.661 05:55:47	64.128 07:37:02	Zenith —	54.740 11:00:05	18.507 12:41:18
Rep-band(stat.) Rep-start	X (Completed) 05:50:40	X (Completed) 07:32:28	X (Completed) 09:13:50/09:19:17	X (Completed) 10:55:20	X (Completed) 12:37:17
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
ACS-spn/θ_s ϕ_s	9.18°, 173.30°	9.13°, 173.43°	9.07°, 173.71°	9.17°, 179.45°	9.12°, 179.61°
Attitude	$\begin{bmatrix} 194.606 \\ 61.709 \\ 148.412 \end{bmatrix}$	$\begin{bmatrix} 194.606 \\ 61.709 \\ 148.411 \end{bmatrix}$	$\begin{bmatrix} 194.607 \\ 61.710 \\ 148.413 \end{bmatrix}$	$\begin{bmatrix} 194.547 \\ 62.194 \\ 147.632 \end{bmatrix}$	$\begin{bmatrix} 194.547 \\ 62.194 \\ 147.631 \end{bmatrix}$
OP-start(CE)	05:58:56 (00h)	Cont (0Bh)	Cont (16h)	Cont (26h)	Cont (31h)
GIS HAM ERR	ERR	NORM	NORM	ERR	NORM
ACS ERR	(SH)MOMCHG	–	–	–	–
SIS-mode	Faint/Faint 0123/0123	Faint/Faint 0123/0123	Faint/Faint 0123/0123	Faint/Faint 0123/0123	Faint/Faint 0123/0123
S0/1-TECT	−37.74/−37.39	−37.20/−36.95	−37.06/−36.76	−36.29/−35.98	−35.46/−35.15
S0/1-CCDT	−61.67/−61.77	−61.67/−61.77	−61.67/−61.77	−61.67/−61.77	−61.67/−61.72
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	25cps/22cps	28cps/32cps	28cps/28cps	28cps/28cps	25cps/25cps

P	X	Y	R	S	Pos	HV_HL	Gain	RT-L	RT-U	Temp	RBMT	CalPk	RT Pk	CalCnt/time
10	8	8	5	0	FLF	3/4	48	159	218	14.2	14.7	397.03	183.78	1208
Pass: 9406110412						3/4	40	159	218	8.7		416.15	180.89	1234

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
20.00/23.47	20.03/23.50	−4.16/4.73	−4.24/4.76	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
06/11 10:50	Coma N8	4	(194.2400 , 27.8200)	(194.5447 , 62.1937 , 147.6336)
06/11 16:50	NGC4418	5	(186.7256 , -0.8792)	(186.9306 , 90.8928 , 157.1844)
06/12 15:40	A1995	6	(223.2360 , 58.0481)	(223.5647 , 32.0608 , 128.8364)

Comment: 本日の運用:
Today's observation is mapping of the Coma cluster (PI:Yamashita JPN). The GIS spectra of point N7 and point N8 are fitted with a single Raymond-Smith model, but the temperatures are different. The temperature of N7 is kT=$7.57^{+1.76}_{-1.24}$keV and the one of N8 is kT=$5.92^{+1.20}_{-0.88}$keV. The both spectra show weak iron line and abundaces are low (N7: Ab$<$ 0.05, N8: Ab$<$ 0.12). A1641 (194.02, 28.45 J2000: z is unknow) which is supposed to be in the FOV of GIS of N7 is very faint. 来てから一週間ですが、ずっと雨です。持ってきたマウンテンバイクはまだ輪行袋に入ったままです。明日も雨らしい。あーあ (T.Tsuru)。午前中は KSC が雲塊の中に埋もれてしまい、夜には雷が鳴っていました。今日も雨がとても沢山降りました。(K.Okada)