「あすか」 OPERATION REPORT Ver.1.5

93 年 7 月 7 日 Y+ 136 KSC 当番: 伊藤 、 岩澤

Pup A #2,#3,#4

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	930707–0308	930707–0412	930707–0515	930707–0619	930707–0722
Operation	X-REP OP-OG-WRT TCU-MODE 1CCD-BRGT OP-STRT	X-REP STC-WRT-CHK OBS-MOD	X-REP BDR-STOP X-REP BDR-STOP	X-REP RNG OP-STP OP-OG-WRT TCU-MOD OP-STRT	X-REP
Target	Pup A	Pup A	Pup A	Pup A	Pup A
AOS(UT)	03:59:32	05:41:09	07:23:31	09:04:37	10:46:36
LOS(UT)	04:12:21	05:54:17	07:36:04	09:17:44	10:57:57
Max-El	30.115	74.249	Zenith	49.425	16.582
Time	04:05:29	05:46:59	—	09:10:28	10:51:48
Rep-band(stat.)	X (Completed)	X (Completed)	X (Interrupted)	X (Completed)	X (Completed)
Rep-start	04:00:55	05:41:55	07:23:31/07:29:16	09:05:15	10:47:39
DP-mode	OBS/TCU/OBS	OBS/ACS/OBS	OBS	OBS	OBS
ACS-mode	Normal–Pointing	Normal–Pointing	Normal-Pointing	Normal–Pointing	Normal–Pointing
ACS-spn/θ_s	22.31°	22.34°	22.37°	22.37°	21.42°
Attitude	$\begin{bmatrix} 125.843 \\ 132.856 \\ 109.772 \end{bmatrix}$	$\begin{bmatrix} 125.844 \\ 132.856 \\ 109.773 \end{bmatrix}$	$\begin{bmatrix} 125.843 \\ 132.856 \\ 109.771 \end{bmatrix}$	$\begin{bmatrix} 125.844 \\ 132.855 \\ 109.775 \end{bmatrix}$	$\begin{bmatrix} 125.843 \\ 132.856 \\ 109.773 \end{bmatrix}$
OP-start(CE)	04:09:33 (00h)	Cont (0Ah)	Cont (11h)	09:15:03 (00h)	Cont (08h)
SIS-mode	Faint/Faint 1CCD	Faint/Faint 1CCD	Faint/Faint 1CCD	Faint/Faint 1CCD	Faint/Faint 1CCD
S0/1-TECT	−42.88/−43.42	−42.78/−42.59	−42.15/−42.01	−41.28/−41.23	−39.97/−40.11
S0/1-CCDT	−61.76/−61.86	−61.76/−61.86	−61.76/−61.86	−61.76/−61.86	−61.76/−61.86
GIS-mode	PH	PH	PH	PH	PH
GIS LD Hit	58cps/53cps	62cps/63cps	62cps/61cps	67cps/66cps	54cps/53cps

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	—	3/4	48	159	218	9.8	9.2	417.44	183.72	4610
Pass: s9307070308							3/4	40	159	218	4.4		433.51	182.08	4745

GIS Mode Changes: no change

Condition Condition (min/max)

BAT_V–A	BAT_V–B	BAT_I–A	BAT_I–B	BAT_T–A	BAT_T–B	Charge/Discharge
20.20/23.50	20.30/23.50	−4.12/4.73	−4.25/4.76	4.82/9.03	4.82/8.46	23.81275/24.54577

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
7/7 14:05	Pup A	2	(125.8080 , −42.779)	(126.0947 , 132.9704 , 109.9988)
7/7 23:36	Pup A	3	(125.1380 , −42.9190)	(125.4224 , 133.1128 , 109.3353)
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Comment: 本日の運用: Multiple pointing of Pup-A for SIS continues. Four chips are used in turn. Because of the telemetry saturation, command plan for the remote orbit was revised and uploaded in the 4-th pass.(Itoh) Pup A is very bright and bit-M/Faint mode (1-CCD) data were telemetry saturated for some chips. GIS was also saturated. Bright mode will be used for Bit-M and L in today's remote orbits. Counting rates obtained from the bit-H data are ∼ 35cts/sec/GIS2, and 20-30 cts/sec/chip for SIS. (Iwasawa)