

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

96 年 3 月 25-26 日 Y+ 1129-1130 KSC 当番: S. Ueno and H. Fujiwara

4C38.41#3, Mkn 501#2, Cyg X-1#1

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5						
Pass No.	960325-1342	960325-1445	960326-0001	960326-0104	960326-0207						
Operation	X REP OP/OG-13 WRT TCU MEM MODE OP START	X REP SBR A RNG STC01-WRT/CHK OBS MODE RNG OFF	X REP BDR STOP X REP BDR STOP	X REP CPU2/3 STOP/RST GIS MEM BAT-B TCL ON	X REP SBR A RNG BAT-B TCL ON RNG OFF						
Target	4C38.41#3	4C38.41#3	4C38.41#3	4C38.41#3	Mkn 501#2						
AOS(UT)	20:40:20	22:21:12	00:02:13	01:43:54	03:25:18						
LOS(UT)	20:51:05	22:33:06	00:14:36	01:56:02	03:37:15						
Max-El	12.706	42.732	Zenith	75.309	30.682						
Time	20:45:35	22:26:34	—	01:49:21	03:30:37						
Rep-band(stat.)	X (Complete)	X (Complete)	X (Complete)	X (Complete)	X (Complete)						
Rep-start	20:41:16	22:22:00	00:03:06/00:08:36	01:44:32	03:26:10						
DP-mode	OBS → TCU → OBS	OBS → ACS → OBS	OBS	OBS	OBS						
ACS-mode	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing						
SUN-pos θ_s/ϕ_s	22.41/148.89	22.41/149.12	22.39/149.24	22.40/149.42	15.19/179.86						
Attitude	$\begin{bmatrix} 248.6451 \\ 52.0230 \\ 30.7602 \end{bmatrix}$	$\begin{bmatrix} 248.6453 \\ 52.0226 \\ 30.7600 \end{bmatrix}$	$\begin{bmatrix} 248.6452 \\ 52.0227 \\ 30.7592 \end{bmatrix}$	$\begin{bmatrix} 248.6451 \\ 52.0231 \\ 30.7598 \end{bmatrix}$	$\begin{bmatrix} 253.2522 \\ 50.3580 \\ 16.2679 \end{bmatrix}$						
OP-start(CE)	20:47:20 (00h)	Cont (0Ch)	Cont (16h)	Cont (20h)	Cont (2Fh)						
GIS HAM ERR	—	—	—	Err → Reset	—						
ACS ERR	(SH)MOMCHG → Reset	(SH)MOMCHG → Reset	—	—	(SH)MOMCHG Reset						
SIS-mode	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 1111/3333						
S0/1-TECT	-36.82/-36.71	-36.29/-36.37	-35.70/-35.83	-35.36/-35.54	-34.10/-34.23						
S0/1-CCDT	-61.48/-61.02	-61.24/-60.92	-60.87/-60.55	-60.59/-60.31	-60.40/-60.12						
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	25/23 cps	31/32 cps	31/29 cps	30/33 cps	29/30 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	No	3/4	48	159 218	19.6 19.6	19.6	376.81 341	4086	184.61	
Pass: 9603251342			3/4	40	159 218	13.6		398.24 299	4086	179.81	

SIS Mode Changes: Faint(bit-H/M), LVL OFF for 4C38.41#3
 Faint(bit-H),Bright(bit-M) 1111/3333, LVL OFF for Mkn 501#2
 Bright(bit-H/M), Faint during one pass, 1111/3333, LVL OFF for Cyg X-1

GIS Mode Changes: PH 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
19.50/23.30	19.50/23.30	-4.77/4.85	-4.64/5.12	5.65/7.04	4.82/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
3/26 02:10	Mkn 501#2	6	(253.4675 , 39.7602)	(253.2527 , 50.3571 , 16.2674)
3/26 10:00	Cyg X-1#1	1	(299.5900 , 35.2017)	(299.3386 , 54.8188 , 346.7935)

Comment: 本日の運用: We observed 4C38.41#3 (JUS, PI=T. Takahashi). The counting rate is ≤ 0.04 counts/s (GIS, $r \leq 4'$). We observed Mkn 501#2 (JPN, PI=H. Kubo). The counting rate is ≤ 1.9 counts/s (GIS, $r \leq 4'$).

今日も雨です。こちらに来てから夜は晴れたことはありません。予報によると僕が帰るまで天気は悪いそうです。百武彗星を見ることができません。天は我を見放したか。(藤原)

比較のしかたによって、2 百年ぶりだとか、4 百年ぶりだとか、いろいろいわれてますが、いずれにしても生きてる間に再び同じようなチャンスがめぐってきて欲しいものです。(上野)