「あすか」 OPERATION REPORT Rev.5 Ver 3.0

94 年 6 月 15 日　Y+ 480　KSC 当番: T.Tsuru 、 K.Okada

MKW4 NE→Mkn290

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	940615–0308	940615–0412	940615–0515	940615–0619	940615–0722
Operation	X REP OP/OG-11 RAM TCU MEM DE-0 ADRS OF (04:04:21) OP STRT	X REP SBR-A RNG STAR-01 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	MKW4 NE	MKW4 NE	MKW4 NE	MKW4 NE	MKW4 NE
AOS(UT) LOS(UT)	03:59:04 04:11:02	05:41:10 05:53:02	07:22:07 07:34:33	09:03:57 09:15:47	10:45:49 10:56:15
Max-El Time	24.534 04:05:02	66.541 05:46:18	Zenith —	51.994 09:09:20	16.785 10:50:28
Rep-band(stat.) Rep-start	X (Completed) 04:00:44	X (Completed) 05:43:00	X (Completed) 07:23:11/07:28:35	X (Completed) 09:05:11	X (Completed) 10:46:33
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	6.59°, 181.71°	6.54°, 181.72°	6.49°, 181.74°	6.39°, 181.77°	6.34°, 181.78°
Attitude	$\begin{bmatrix} 181.562 \\ 88.019 \\ 155.957 \end{bmatrix}$	$\begin{bmatrix} 181.56185 \\ 88.01910 \\ 155.95652 \end{bmatrix}$	$\begin{bmatrix} 181.562 \\ 88.019 \\ 155.957 \end{bmatrix}$	$\begin{bmatrix} 181.672 \\ 87.555 \\ 155.845 \end{bmatrix}$	$\begin{bmatrix} 181.562 \\ 88.020 \\ 155.957 \end{bmatrix}$
OP-start(CE)	04:08:22 (00h)	Cont (0Ah)	Cont (14h)	Cont (1Eh)	Cont (28h)
GIS HAM ERR	NORM	NORM	NORM	ERR	NORM
ACS ERR	–	–	–	–	–
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	−36.92/−36.85	−35.95/−35.88	−36.04/−35.88	−35.07/−35.01	−33.76/−33.79
S0/1-CCDT	−61.62/−61.44	−61.62/−61.62	−61.67/−61.77	−61.67/−61.70	−61.53/−61.44
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	26cps/22cps	27cps/26cps	27cps/28cps	30cps/28cps	22cps/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	13.6	399.14	183.91	2238
Pass: 9406150308		3/4	40	159	218	8.2		417.38	181.06	2108

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
20.03/23.40	20.07/23.50	−4.13/4.75	−4.18/4.77	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
06/15 11:50	Mkn290	5	(233.9675 , 57.9022)	(234.2337 , 32.2465 , 114.5016)

Comment: 本日の運用:

Today's oservation is mapping of poor cluster MKW4 (PI:Tsuru JPN). SIS0 spectrum needs extra absorption of nH=2e21 cm-2, which was already reported. On the other hand, upper limit on the extra absorption in GIS2+3 spectrum is nH=1e21 cm-2. Further analysis is needed. どうも MKW4 の吸収は本当なのかどうか分らない。これは Faint モードのスペクトルですが、KSC のレスポンスは正しいのでしょうねぇ。もうすぐ終り (T.Tsuru)。早いもので、お当番の半分が過ぎてしまいました。今までは無我夢中でお当番の仕事しか出来ていません。ですが、後

半こそは”お宿題”をこなさなくては！と慌てています。田代さん、三原さん、進んでなくてすみません！頑張ります。(K.Okada)