

「あすか」 **OPERATION REPORT** Rev.5 Ver 3.1

1998 年 04 月 27 日 Y+ 1892 KSC 当番: H.Ozawa and H.Matsumoto and
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Mkn421

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5						
Pass No.	980427-0413	980427-0516	980427-0620	980427-0723	980427-0826						
Operation	X-REP OP/OG-12 WRT TCU-MEM OP-START	X-REP SBR-A-RNG 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 OG-83 OG-84 DE-0/1_LEVL_ON						
Target	Mkn421	Mkn421	Mkn421	Mkn421	Mkn421						
AOS(UT)	06:12:57	07:53:44	09:33:42	11:16:09	12:57:21						
LOS(UT)	06:23:45	08:05:36	09:46:56	11:28:22	13:09:10						
Max-El	12.923°	43.985°	Zenith	74.598°	29.759°						
Time	06:18:14	07:59:06	—	11:21:33	13:02:39						
Rep-band(stat.)	X (Complete)	X (Complete)	X (Complete)	X (Complete)	X (Complete)						
Rep-start	06:14:06	07:54:42	09:35:12/09:41:01	11:16:45	12:57:31						
DP-mode	OBS/TCU/OBS	OBS	OBS	OBS/GIS/OBS	OBS						
ACS-mode	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing						
SUN-pos θ_s/ϕ_s	21.28°/184.67°	21.23°/184.75°	21.18°/184.83°	21.11°/184.92°	—/—						
Attitude	$\begin{bmatrix} 166.3556^\circ \\ 51.8686^\circ \\ 139.0610^\circ \end{bmatrix}$	$\begin{bmatrix} 186.35509^\circ \\ 51.86617^\circ \\ 139.06052^\circ \end{bmatrix}$	$\begin{bmatrix} 166.35626^\circ \\ 51.86877^\circ \\ 139.05848^\circ \end{bmatrix}$	$\begin{bmatrix} 166.35664^\circ \\ 51.86895^\circ \\ 139.05875^\circ \end{bmatrix}$	$\begin{bmatrix} 166.35685^\circ \\ 51.86895^\circ \\ 139.05854^\circ \end{bmatrix}$						
OP-start(CE)	06:20:00 (00h)	Cont (09h)	Cont (13h)	Cont (1Dh)	Cont (27h)						
GIS HAM ERR	ERR → Reset	—	—	—	ERR → Reset						
ACS ERR	(SH)MOMCHG → Reset	—	—	—	—						
SIS-mode	Faint 1111/3333	Faint 1111/3333	Faint 1111/3333	Faint 1111/3333	Faint 1111/3333						
S0/1-TECT	−35.02/−34.91°C	−34.88/−34.76°C	−34.49/−34.38°C	−33.81/−33.65°C	−33.52/−33.40°C						
S0/1-CCDT	−60.82/−60.31°C	−60.92/−60.41°C	−61.06/−60.59°C	−61.01/−60.55°C	−60.87/−60.41°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	38/43 c s ^{−1}	37.50/39.30 c s ^{−1}	36.94/46.99 c s ^{−1}	44.95/52.60 c s ^{−1}	45.41/42.30 c s ^{−1}						
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	2	3/4	48	159 218	19.1 19.6		368.42 720	14766	184.46	
Pass: 980427-0413			3/4	40	159 218	13.6		392.84 767	14766	179.87	
SIS Mode Changes: MKN421 1CCD(1111/3333) F/B LVL OFF ADR OFF MKN421 (from 5 pass) 1CCD(1111/3333) F/B LVL ON ADR OFF											
GIS Mode Changes: MKN421 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
18.70/23.30	18.80/23.30	-4.90/4.75	-4.73/4.78	4.82/8.74	4.55/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
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Comment: 本日の運用: ASCA is now observing Mkn421. Its X-ray flux shows short-term variability. Average X-ray count rates are 12 c/s and 22 c/s for the GIS and SIS, respectively.

Sorry, there are mistakes in the operation report of 23, 24, and 25, April. In those reports, the CCD mode in the PASS 2 was mistakenly written to be 1111/1111. However, the correct CCD mode is 1111/3333.

23 - 25 日の operep で 2 pass 目の CCD mode が 1111/1111 となっているのは間違いで、正しくは 1111/3333 です。本日入感致しましたが、小澤君、前神さんは IAU circular に間に合わせるべく QL 解析に大忙しで僕にかまってくれませんでした。それにしても鹿児島ローカルのテレビは面白いです (松本)。

忙しかった。(小澤)

今日のレポートは平和に昨日の霧島ハイクについて書くはずだったのに、Mkn421 が面白そうな挙動を示したおかげで下位ビットの QL 解析法の矛盾が浮き彫りになってしまいました。自動コマンドの使い方マニュアルしかないというのはやはりまずいです。arf file が違うのにいままでどうしてスペクトルフィットができていたのが不思議です。(前神)