

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

2000 年 06/07 月 30/01 日 Y+ 2687/2688 KSC 当番: K. Kikuchi and S. Takahashi

ARK 564

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5							
Pass No.	000630-1238	000630-1341	000630-1445	000630-1548	000701-0103							
Operation	X-REP OP/OG-10 WRT TCU-MEM ROG-SET REAL-1 TCU-BC- EXEC 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							
Target	ARK 564	ARK 564	ARK 564	ARK 564	ARK 564							
AOS(UT)	18:50:52	20:30:43	22:09:31	23:49:28	01:28:48							
LOS(UT)	19:02:06	20:41:52	22:21:26	00:00:46	01:39:20							
Max-El	16.766°	52.193°	Zenith	62.835°	20.903°							
Time	18:56:30	20:35:37	—	23:54:30	01:33:40							
Rep- band(stat.)	X (Complete)	X (Complete)	X (Complete)	X (Complete)	X (Complete)							
Rep-start	18:51:10	20:31:18	22:10:10/22:15:34	23:50:14	01:29:29							
DP-mode	OBS/TCU/OBS	OBS	OBS	OBS	OBS							
ACS-mode	Normal- Pointing	Normal- Pointing	Normal- Pointing	Normal- Pointing	Normal-Pointing							
SUN-pos θ_s/ϕ_s	17.30°/227.95°	17.38°/227.94°	17.45°/227.93°	17.50°/227.86°	17.57°/227.85°							
Attitude	$\begin{bmatrix} 340.48813^\circ \\ 60.43886^\circ \\ 22.13288^\circ \end{bmatrix}$	$\begin{bmatrix} 340.48605^\circ \\ 60.43516^\circ \\ 22.13475^\circ \end{bmatrix}$	$\begin{bmatrix} 340.48596^\circ \\ 60.43512^\circ \\ 22.13479^\circ \end{bmatrix}$	$\begin{bmatrix} 340.48573^\circ \\ 60.43523^\circ \\ 22.13489^\circ \end{bmatrix}$	$\begin{bmatrix} 340.48555^\circ \\ 60.43528^\circ \\ 22.13512^\circ \end{bmatrix}$							
OP-start(CE)	18:58:54 (00h)	Cont (0Ah)	Cont (14h)	Cont (1Eh)	Cont (28h)							
GIS HAM ERR												
ACS ERR	(SH)MOMCHG → Reset			(SH)MOMCHG → Reset								
SIS-mode	FN/FN 1111/3333	FN/FN 1111/3333	FN/FN 1111/3333	FN/FN 1111/3333	FN/FN 1111/3333							
S0/1-TECT	-32.31/ — 32.29°C	-32.84/ — 32.82°C	-33.47/ — 33.45°C	-34.05/ — 34.04°C	-34.25/ — 34.28°C							
S0/1-CCDT	-57.82/ — 57.45°C	-57.96/ — 57.45°C	-58.20/ — 57.83°C	-58.52/ — 58.15°C	-58.90/ — 58.53°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	21.94/23.51 c s ⁻¹	24.52/23.37 c s ⁻¹	26.41/30.29 c s ⁻¹	27.65/27.65 c s ⁻¹	24.40/24.98 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	1	3/4	48	159	218	18.6	19.1	363.36	486	14608	184.50
Pass: 000630-1238			3/4	40	159	218	13.6		384.34	456	14608	179.10

SIS Mode Changes: ARK 564 1CCD(1111/3333) FN/FN, ADR OFF, LVL S0:0.48keV S1:0.55keV
→ 1CCD(1111/3333) FN/FN, ADR OFF, LVL S0:0.55keV S1:0.55keV

GIS Mode Changes: ARK 564 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
18.40/23.20	18.50/23.30	-4.98/4.79	-5.98/4.78	4.82/8.74	4.55/8.46

Comment: 本日の運用:

We continue to observe Arakelian 564 (PI: J. Turner). The count rates of Ark 564 with SIS ($r < 3'$) and GIS ($r < 4'$) were 0.88 cnts/s and 0.76 cnts/s, respectively. SIS0 level discriminator was changed to 0.55 keV to avoid telemetry saturation.

● SIS の温度が日々上昇が続いています。先日の SIS1 に続き、SIS0 もレベルディスクリを 0.55 keV に上げました。ARK

564 の観測は 6/1 ～ 7/5 の期間、計 1400 ksec に渡って行われているわけですが、これくらいの長時間観測となると、期間の端の方では 1CCD といえども 0.55 keV くらいのディスクリは覚悟する必要があるということでしょうか。●さて今日から 7 月。今世紀も残すところあと半年でござす。(菊池)

●明日はツルハシ片手に徳川埋蔵金を掘りに行く。(せいじ)