

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

1997 年 06 月 08/09 日 Y+ 1569/10 KSC 当番: A. Furuzawa and
K. Nakazawa

Antlia_CLS636 → HB21_Pos1

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5						
Pass No.	970608-1342	970608-1445	970609-0001	970609-0104	970609-0207						
Operation	X-REP OP/OG-11 WRT TCU-MEM DE-0-ADRS-ON OP-START	X-REP SBR-A-RNG STAR-01 WRT S-CTLG-CHK OBSERVE CPU-2/3-STP CPU-2/3-RST RNG-OFF	X-REP ROG-58h BDR-STOP X-REP BDR-STOP	X-REP SBR-A-RNG CPU2/3-STOP CPU2/3-RST GIS-MEM ACS-ERR-RST RNG-OFF	X-REP BAT-B-TCL-ON DE-0-ADRS-OF						
Target	Antlia_CLS636	Antlia_CLS636	Antlia_CLS636	Antlia_CLS636	Antlia_CLS636						
AOS(UT)	20:40:10	22:21:06	00:02:09	01:43:51	03:25:13						
LOS(UT)	20:51:20	21:33:11	00:14:33	01:55:38	03:36:55						
Max-El Time	13.484° 20:45:36	43.610° 22:26:37	Zenith —	74.832° 01:49:17	29.521° 03:30:28						
Rep-band(stat.) Rep-start	X (Complete) 20:41:08	X (Complete) 22:21:51	X (Complete) 00:03:09/00:08:30	X (Complete) 01:44:39	X (Complete) 03:26:21						
DP-mode	OBS/TCU/OBS	OBS/ACS/OBS	OBS	OBS/GIS/OBS	OBS						
ACS-mode SUN-pos θ_s/ϕ_s	Normal-Pointing 6.83°/159.74°	Normal-Pointing 6.38°/205.38°	Normal-Pointing 6.31°/205.16°	Normal-Pointing 6.24°/204.83°	Normal-Pointing 6.21°/204.81°						
Attitude	$\begin{bmatrix} 157.79911^\circ \\ 125.29547^\circ \\ 153.19490^\circ \end{bmatrix}$	$\begin{bmatrix} 125.29543^\circ \\ 153.19491^\circ \\ 160.34993^\circ \end{bmatrix}$	$\begin{bmatrix} 157.79918^\circ \\ 125.29559^\circ \\ 153.19466^\circ \end{bmatrix}$	$\begin{bmatrix} 157.79861^\circ \\ 125.29548^\circ \\ 153.19544^\circ \end{bmatrix}$	$\begin{bmatrix} 157.79839^\circ \\ 125.29541^\circ \\ 153.19434^\circ \end{bmatrix}$						
OP-start(CE)	20:47:35 (00h)	Cont (0Ch)	Cont (18h)	Cont (24h)	Cont (2Fh)						
GIS HAM ERR	—	ERR→Reset	—	ERR→Reset	—						
ACS ERR	—	—	—	(SH)MOMCHG →Reset	—						
SIS-mode S0/1-TECT S0/1-CCDT	Faint 1212/3030 -35.80/-35.93°C -60.59/-60.26°C	Faint 1212/3030 -36.62/-36.71°C -60.96/-60.64°C	Faint 1212/3030 -37.01/-36.99°C -61.28/-60.97°C	Faint 1212/3030 -37.06/-37.15°C -61.57/-61.25°C	Faint 1212/3030 -36.92/-36.95°C -61.62/-61.34°C						
GIS-mode GIS LD Hit	PH(10-8-8-5-0) 24/22 cps	PH(10-8-8-5-0) 26/25 cps	PH(10-8-8-5-0) 29/27 cps	PH(10-8-8-5-0) 28/28 cps	PH(10-8-8-5-0) 28/28 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	2	3/4	48	159 218	14.2 14.1		384.86 706	9924	184.01	
Pass: 970608-1342			3/4	40	159 218	8.7		404.69 690	9924	180.64	

SIS Mode Changes: Antlia_CLS636:2CCD F/F (LD 0.63 keV) → (S1 LD 0.7 keV)
HB21_Pos1: 1CCD F/F (LD 0.48 keV)

GIS Mode Changes: PH 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
18.90/23.30	19.00/23.30	-4.68/4.77	-4.73/4.78	4.82/8.74	4.82/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
06/09 13:00	HB21_Pos1	3	(311.2217, 50.90797)	(311.0983, 39.3654, 46.3504)

Comment: 本日の運用: ASCA observed Antlia Cluster(CG, PI K. Makishima, JPN). The counting rate is 0.4cts/GIS and 0.2cts/SIS. 第5パスの BAT-A-TCL-ON は 03:26:31 でした。Antlia Cluster は、BIT-M でのテレメトリ飽和が予想されたので、S1 のレベルディスクリを 0.7keV に上げました。今日は、QL が楽しかったです(趣味に走る古澤)。同上。昨日は大雨でした。猫は蛙を食べませんでした。現在夜明けは運用より早いです。(散文に走る中澤)そして高温成分は 64keV に走っていくのであった(…)