

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

1997 年 05 月 30 日 Y+ 1560 KSC 当番: K. Tamura and K. Takizawa

Cygnus Loop#3 → Cygnus Loop#4 → Cygnus Loop#5 → Cygnus Loop#6 → Cygnus Loop#7

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5												
Pass No.	970530-0205	970530-0309	970530-0412	970530-0516	970530-0619												
Operation	X-REP OP/OG-03 WRT TCU-MEM GIS-HAM-ERR-RST OP-START	X-REP SBR-A-RNG STAR-01 WRT S-CTLG-CHK OBSERVE GIS-HAM-ERR-RST ACS-ERR-RST RNG-OFF	X-REP GIS-HAM-ERR-RST ACS-ERR-RST 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												
Target	Cygnus Loop#3	Cygnus Loop#3	Cygnus Loop#3	Cygnus Loop#4	Cygnus Loop#4												
AOS(UT)	02:29:50	04:11:22	05:52:35	07:34:06	09:15:46												
LOS(UT)	02:42:15	04:23:50	06:05:34	07:46:42	09:26:54												
Max-El	28.283	73.215°	Zenith	47.630°	15.649°												
Time	02:35:42	04:16:53	—	07:39:41	09:20:44												
Rep-band(stat.)	X (Complete)	X (Complete)	X (Complete)	X (Complete)	X (Complete)												
Rep-start	02:30:40	04:12:08	05:53:12/05:58:48	07:34:46	09:16:48												
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												
SUN-pos θ_s/ϕ_s	8.57°/ 190.54°	8.63°/190.99°	8.66°/191.12°	9.01°/190.52°	9.07°/190.78°												
Attitude	$\begin{bmatrix} 311.93945^\circ \\ 59.16072^\circ \\ 30.08844^\circ \end{bmatrix}$	$\begin{bmatrix} 311.93976^\circ \\ 59.16113^\circ \\ 30.08777^\circ \end{bmatrix}$	$\begin{bmatrix} 311.93930^\circ \\ 59.16106^\circ \\ 30.08716^\circ \end{bmatrix}$	$\begin{bmatrix} 311.94099^\circ \\ 59.76077^\circ \\ 30.08518^\circ \end{bmatrix}$	$\begin{bmatrix} 311.94070^\circ \\ 59.76145^\circ \\ 30.08233^\circ \end{bmatrix}$												
OP-start(CE)	02:39:14 (00h)	Cont (09h)	Cont (13h)	Cont (25h)	Cont (31h)												
GIS HAM ERR	ERR→Reset	—	ERR→Reset	—	—												
ACS ERR	(SH)MOMCHG →Reset	—	(SH)MOMCHG →Reset	(SH)MOMCHG →Reset	—												
SIS-mode	Faint 0000/0000	Faint 0000/0000	Faint 0000/0000	Faint 1111/2222	Faint 1111/2222												
S0/1-TECT	-36.33/-36.56°C	-35.80/-36.08°C	-34.68/-35.01°C	-33.71/-33.99°C	-32.74/-33.01°C												
S0/1-CCDT	-61.34/-60.97°C	-61.43/-61.11°C	-61.34/-61.02°C	-61.06/-60.78°C	-60.68/-60.50°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	30/31 cps	31/30 cps	33/31 cps	26/26 cps	23/22 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	3	3/4	48	159	218	14.7	14.7	386.01	482	7488	184.07	
Pass: 970530-0309							3/4	40	159	218	9.3		411.30	464	7488	180.23	

SIS Mode Changes: Cygnus Loop: 1CCD F/F (LD 0.52 keV for bit M)

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
19.10/23.30	19.10/23.30	-4.72/4.75	-4.47/4.78	4.82/9.03	4.55/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
05/30 06:10	Cygnus Loop#4	6	(312.1000, 30.4700)	(311.9409, 59.7624, 30.0860)
05/30 12:30	Cygnus Loop#5	1	(312.72483, 30.6763)	(312.5654, 59.5561, 30.0867)
05/30 18:20	Cygnus Loop#6	2	(313.3910, 30.5000)	(313.2319, 59.7324, 30.0861)
05/31 01:10	Cygnus Loop#7	3	(313.3870, 29.8000)	(313.2290, 60.4342, 30.0837)

Comment: 本日の運用: ASCA observed the Cygnus Loop supernova remnant at #3 and #4 pointing position. Photon counting rate are 0.6c/s/SIS, 1.2c/s/GIS for #3 and 0.8c/s/SIS, 1.0c/s/GIS for #4. 入感しました。今回のような working time の運用は初めてなので非常に新鮮な気持ちです (古澤)。それでは消感チェックをおこないます。、財布の中身と電話料金滞納にエラーが出ています。後でリセットお願いします、。(田村) 部屋がホコリ臭いので掃除機をかけました。カーテンも洗濯しました。でもまだ駄目です。絨毯はまっくろ。これではどうあがいても無駄ですね。ついでに銀製の指輪も拾いました。サイズから男物の用です。思い当たる方は御一報下さい。掃除機はホースがもうくたくたです。おぼちゃんの為にも交換して欲しいくらいです。腰が死ぬかと思いました。(滝沢)