「あすか」 OPERATION REPORT Rev.5 Ver 3.1

94 年 11 月 01 日 Y+ 618 KSC 当番: K.Tamura 、 M.Watanebe

SS 433(#4)/Cygnus Loop(#1,2,3)/SS 433(#5)

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	941101–0619	941101–0722	941101–0826	941101–0929	Passnum5
Operation	X REP RNG A OP/OG-11 WRT TCU MEM MODE S-CTLG-06 WRT S-CTLG CHK OBSERVE MODE OP START RNG OFF	X REP BDR STOP X REP BDR STOP	X REP RNG A ERR-CODE-RESET RNG OFF	X REP CPU2/3 STOP CPU2/3 RST GIS MEM MODE	
Target	SS 433	SS 433	CYGNUS LOOP (#1)	CYGNUS LOOP (#2)	
AOS(UT) LOS(UT)	09:12:30 09:24:27	10:53:28 11:06:05	12:35:20 12:47:38	14:16:36 14:28:28	
Max-El Time	56.970 09:17:44	Zenith ——	62.424 12:40:45	22.660 14:22:03	
Rep-band(stat.) Rep-start	X (Complete) 09:13:02	X (Complete) 10:54:41/10:59:48	X (Complete) 12:35:56	X (Complete) 14:17:44	( )
DP-mode	OBS/ACS/OBS	OBS	OBS	OBS	
ACS-mode	Normal–Pointing	Normal–Pointing	Normal–Pointing	Normal–Pointing	
ACS-spn/θ_s ϕ_s	17.18, 18.16	17.35, 18.00	—-, —-	—-, —-	
Attitude	[288.111 84.856 202.043]	[288.110 84.855 202.048]	[314.600 58.588 183.481]	[314.593 58.589 183.478]	[ ]
OP-start(CE)	09:21:46 (00h)	Cont (08h)	Cont (19h)	Cont (23h)	( )
GIS HAM ERR	Normal	Normal	Normal	Normal	
ACS ERR	———	———	RWAOM	———	
SIS-mode	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 0123/0123	Faint/Faint 0123/0123	
S0/1-TECT	−36.58/−36.56	−36.38/−36.37	−35.41/−35.35	−35.02/−34.96	
S0/1-CCDT	−61.61/−61.81	−61.67/−61.77	−61.67/−61.77	−61.62/−61.62	
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)	
GIS LD Hit	37cps/37cps	36cps/39cps	35cps/35cps	30cps/30cps	

P X Y R S	Pos	MErr	HV_HL	Gain	RT-L	RT-U	Temp	RBMT	CalPk	RT Pk	CalCnt/time
10 8 8 5 0	FLF	NO	3/4	48	159	218	12.0	12.5	398.84	183.67	5301
Pass: 941101-0619			3/4	40	159	218	6.0		419.11	181.23	4938

GIS Mode Changes: None

Battery Condition (min/max)

BAT_V–A	BAT_V–B	BAT_I–A	BAT_I–B	BAT_T–A	BAT_T–B
19.90/23.50	19.90/23.50	−4.42/4.75	−4.30/4.76	4.82/8.74	4.82/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
11/01 12:10	CYGNUS LOOP (#1)	1	(314.3160 , 31.2649)	(314.6003 , 58.5873 , 183.479)
11/01 19:00	CYGNUS LOOP (#2)	2	(314.3480 , 30.8980)	(314.6300 , 58.9526 , 183.7881)
11/02 00:10	CYGNUS LOOP (#3)	3	(313.0039 , 29.2164)	(313.2794 , 60.6317 , 184.4557)
11/02 07:00	SS 433 (#5)	4	(287.9562 , 4.9827)	(288.1099 , 84.8563 , 202.1026)

Comment: 本日の運用:

We are observing SS 433(JPN) and CYGNUS LOOP (JPN). The cout rate of SS433 are 1.7c/s/GIS and

2.7c/s/SIS. The count rate of the region 1 of the Cygnus Loop are 4c/s/GIS and 7.3c/s/SIS.
こちらへ来て初めて、構造のあるソースです。今日も複雑な運用でつかれました。3 Rev. 目、初めて見るエラーコードと、異様に大きくなった Residual Angle に気づき、相模原に連絡。衛星が昼から夜にはいってくるためと判明。特に異常ではないとのこと。(田村) この間の 2 倍の 2 時間散歩して、ヘビは 1 匹しか見かけなかった（ワタナベ）。