

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

1998 年 03 月 03 日 Y+ 1837 KSC 当番: M.Sugizaki and Y. Matsumoto

G316.3-0.0 → Cir_X-1

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5							
Pass No.	980303-0620	980303-0723	980303-0826	980303-0930	980303-1033							
Operation	X-REP OP/OG-05 WRT TCU-MEM DE-0-ADRS-OF OP-START	X-REP SBR-A-RNG STAR-02 WRT S-CTLG-CHK OBSERVE DE-0-ADRS-OF 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	G316.3-0.0	G316.3-0.0	Cir_X-1	Cir_X-1	Cir_X-1							
AOS(UT)	09:35:46	11:17:33	12:58:07	14:40:13	16:21:34							
LOS(UT)	09:48:39	11:30:18	13:11:49	14:53:04	16:33:31							
Max-El	20.570°	58.265°	Zenith	65.383°	24.063°							
Time	09:42:06	11:23:11	—	14:45:59	16:27:04							
Rep-band(stat.)	X (Complete)	X (Complete)	X (Complete)	X (Complete)	X (Complete)							
Rep-start	09:36:55	11:18:11	12:58:55/13:05:02	14:40:50	16:22:38							
DP-mode	OBS/TCU/OBS	OBS/ACS/OBS	OBS	OBS	OBS							
ACS-mode	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing							
SUN-pos θ_s/ϕ_s	10.08°/177.74°	—/—	—/—	—/—	—/—							
Attitude	$\begin{bmatrix} 219.75603^\circ \\ 149.97916^\circ \\ 326.85002^\circ \end{bmatrix}$	$\begin{bmatrix} 219.75588^\circ \\ 149.97928^\circ \\ 326.84930^\circ \end{bmatrix}$	$\begin{bmatrix} 229.86076^\circ \\ 147.14394^\circ \\ 335.33499^\circ \end{bmatrix}$	$\begin{bmatrix} 229.85112^\circ \\ 147.14111^\circ \\ 335.32397^\circ \end{bmatrix}$	$\begin{bmatrix} 229.85015^\circ \\ 147.14032^\circ \\ 335.32318^\circ \end{bmatrix}$							
OP-start(CE)	09:45:25 (00h)	Cont (0Ah)	Cont (1Ah)	Cont (24h)	Cont (2Fh)							
GIS HAM ERR	—	—	—	—	—							
ACS ERR	—	—	—	—	—							
SIS-mode	Faint 1212/3030	Faint 1212/3030	Bright 1111/3333	Bright 1111/3333	Bright 1111/3333							
S0/1-TECT	−32.31/−32.31°C	−32.36/−32.63°C	−32.26/−32.53°C	−32.65/−32.87°C	−33.08/−33.31°							
S0/1-CCDT	−59.88/−59.61°C	−59.88/−59.61°C	−59.88/−59.61°C	−59.74/−59.51°C	−59.79/−59.56°							
GIS-mode	PH(8-8-8-5-0-2)	PH(8-8-8-5-0-2)	PH(10-8-8-5-0)	PH(10-8-8-5-0)	PH(10-8-8-5-0)							
GIS LD Hit	21.8/23.0 c s ^{−1}	23.3/24.6 c s ^{−1}	25.6/30.8 c s ^{−1}	27.6/30.5 c s ^{−1}	486.1/567.2 c s ^{−1}							
P X Y R S	Pos	MErr	HV_HL	Gain	RT-L	RT-U	Temp	RBMT	CalPk	CalCnt	CalTim	RT Pk
8 8 8 5 0	FLF	0	3/4	48	159	218	18.0	18.0	371.36	1096	16964	184.41
Pass: 980303-0620			3/4	40	159	218	12.0		397.14	946	16964	179.69
SIS Mode Changes:		G316.3-0.0 Cir_X-1	2CCD(1212/3030) 1CCD(1111/3333)		F/F LVL on(1.1keV)/off ADRS on/off B/B LVL on(0.7keV) ADRS off							
GIS Mode Changes:		G316.3-0.0 Cir_X-1	: PH (8-8-8-5-0-2) : 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
18.50/23.20	18.60/23.30	-4.94/5.07	-5.29/4.78	4.82/8.74	4.27/8.17

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
03/03 12:10	Cir_X-1	5	(230.1708, -57.1667)	(229.8514, 147.1404, 335.3240)

Comment: 本日の運用: ASCA observed G316.3-0.0(PI:J.Hughes(MUJ)) and Cir X-1(PI:W.Brandt(MUJ)). X-ray count rates of G316.3-0.0 are 0.04 counts/s/GIS and 0.05 counts/s/SIS. X-ray count rates of Cir X-1 are 85 counts/s/GIS and over the processing limit of SIS. 3pass 目、天頂通過のあった pass の stored data の時刻付けが、shiwasu でも A80 でも失敗しました。原因はわかりません。陽光は人手が集まらないのか今年から一人運用が続いているようで、pass 中も衛星監視卓は無人です。ASCA の方はとりあえず頭数は多いからねえ (杉崎)。本日の 3 パス目から登場した Circinus X-1 はとっても明るい天体ですね。Bright モードでもサチってサチって、テレメトリーが一杯のため、SIS の画像が途中でちょんぎれた状態です。すごい。(松本縁)