

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

1999 年 01 月 23 日 Y+ 2163 KSC 当番: T. Kotani and M. Shoho

NGC1358 → MS0302+1717

	PASS 1		PASS 2		PASS 3		PASS 4		PASS 5							
Pass No.	990123-1133				990123-1339		990123-1443		990123-1546							
Operation	X-REP OP/OG-15 WRT TCU-MEM OP-START		(YOHKOH)		X-REP STAR-05 WRT S-CTLG-CHK OBSERVE BDR-STOP X-REP BDR-STOP		X-REP CPU2/3-STOP CPU2/3-RST GIS-MEM BDR-STOP X-REP BDR-STOP		X-REP SBR-A-RNG DE- 1.LEVL_ON RNG-OFF							
Target	NGC1358				NGC1358		NGC1358		NGC1358							
AOS(UT)	16:05:08				19:26:08		21:07:26		22:48:35							
LOS(UT)	16:16:14				19:26:18		21:20:18		23:01:01							
Max-El Time	11.206° 16:11:34				Zenith —		Zenith —		38.383° 22:54:14							
Rep- band(stat.)	X (Complete)		()		X (Complete)		X (Complete)		X (Complete)							
Rep-start	16:06:18				19:27:06/19:32:40		21:08:24/21:13:54		22:49:42							
DP-mode	OBS/TCU/OBS				OBS/ACS/OBS		OBS/GIS/OBS		OBS							
ACS-mode	Normal- Pointing				Normal- Pointing		Normal- Pointing		Normal- Pointing							
SUN-pos θ_s/ϕ_s	Night				15.40°/191.63°		15.23°/191.37°		15.15°/191.32°							
Attitude	$\begin{bmatrix} 53.58017^\circ \\ 94.96401^\circ \\ 198.46251^\circ \end{bmatrix}$		$\begin{bmatrix} \\ \\ \end{bmatrix}$		$\begin{bmatrix} 53.57990^\circ \\ 94.96412^\circ \\ 198.46233^\circ \end{bmatrix}$		$\begin{bmatrix} 53.58034^\circ \\ 94.96400^\circ \\ 198.46137^\circ \end{bmatrix}$		$\begin{bmatrix} 53.58058^\circ \\ 94.96378^\circ \\ 198.46165^\circ \end{bmatrix}$							
OP-start(CE)	16:11:42 (00h)		()		Cont (17h)		Cont (21h)		Cont (2Ch)							
GIS HAM ERR	ERR → Reset				—		—		—							
ACS ERR	(SH)MOMCHG → Reset				—		—		(SH)MOMCHG → Reset							
SIS-mode	Faint 1111/3333						Faint 1111/3333		Faint 1111/3333							
S0/1-TECT	-31.92/-31.99C				-32.45/-32.48C		-32.84/32.87C		-33.38/- 33.36°C							
S0/1-CCDT	-59.23/-59.00C				-58.85/-58.58C		-58.76/-58.48C		-58.76/58.44°C							
GIS-mode	PH(10-8-8-5- 0)				PH(10-8-8-5- 0)		PH(8-8-8-5-0)		PH(10-8-8-5- 0)							
GIS LD Hit	22.8/23.0 c s ⁻¹				25.2/25.0 c s ⁻¹		28.9/29.8 c s ⁻¹		23.3/20.9 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	19.1	19.6	366.75	131	4094	184.12
Pass: 990123-1133							3/4	40	159	218	13.6		389.55	125	4094	179.10

SIS Mode Changes: NGC1358 1CCD(1111/3333) F/F LD off → S1: LD 0.48 keV
 MS0302+1717 1CCD(1111/3333) F/F S0: LD off, S1: LD 0.48 keV

GIS Mode Changes: MS0302+1717 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	18.50/23.30	-4.90/4.75	-5.55/4.78	4.82/8.74	4.55/8.17

Maneuver Operation

Start Time	Target Name	#	(α , δ)	(ϕ , θ , ψ)
1/24 6:10	MS0302+1717	5	(46.3273, 17.4752)	(46.5008, 72.3986, 197.3799)

Comment: 本日の運用: The count rates of NGC 1358 (PI=E. Moran, MUJ) are <0.03 c s⁻¹ and 0.004 for SIS and GIS, respectively.

The temepature of CCD chips and the number of hot pixels are rising. To avoid telemetry saturation during

observation of MS 0302+1717, SIS-1 LEVEL DISCR. was set to 0.48 keV in Pass 5. This will save data of SIS-1 and make the analysis of NGC 1358 a bit complicated.

さる人が疲れた時のおまじないを教えてください。“じゃっどん、てげだれっきたど!まこて、ちったやすまっしょん。”みなさんも言ってみてください。明日は休日です。(荘保)

今回の当番はくる日もくる日も暗い AGN だったり power law の AGN だったり暗くて power law の AGN だったりで、どうも面白いターゲットにめぐりあわない。テレメトリがあふれ蝶々のイメージが焼きつき正体不明の輝線が乱立するようなソースが出現しないものか。(小谷)