

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
08/27 02:20	Protostar Survey #2	1	(67.0537, 24.6305)	(66.9009, 65.4913, 9.9992)
08/27 18:10	G337.3+1.0	2	(248.1708, -46.5972)	(248.4249, 136.5778, 169.4556)

Comment: 本日の運用: ASCA observed Rapid Burster (binary, TOO by W. Lewin, US). At least one plateau-type burst as well as several short bursts were observed. Counting rates of the persistent emission were 6 c/s for both GIS (r<4 arcmin) and SIS (r<3 arcmin), and the peak counting rates of the bursts were about 80 c/s/GIS.

かつてと比べて community の関心が shift していますが、久しぶりに burst の data にふれると、現象としては大変面白いなと思いました。時間変動する source を観測すると、低軌道衛星の time coverage が低いことをあらためて感じます (伊藤)。

なんだかんだで今日は休載 (寅松)。

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

1998 年 08 月 26/27 日 Y+ 2013/2014 KSC 当番: M. Itoh and T. Toramatsu

Rapid Burster → Protostar Survey #2 → G337.3+1.0

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	980826-1239	980826-1342	980826-1446	980827-0001	980827-0104
Operation	(AKEBONO)	X-REP SBR-A-RNG OP/OG-14 WRT TCU-MEM CPU2/3-STOP CPU2/3-RST ACS-ERR- RST OP-START RNG-OFF	X-REP STAR-01 WRT S-CTLG-CHK OBSERVE BDR-STOP X-REP BDR-STOP	X-REP SBR-A-RNG CPU2/3-STOP CPU2/3-RST GIS-MEM RNG-OFF	X-REP CPU2/3-STOP CPU2/3-RST
Target		Rapid Burster	Rapid Burster	Rapid Burster	Rapid Burster
AOS(UT)		20:49:45	22:30:38	00:12:28	01:53:29
LOS(UT)		21:02:31	22:43:50	00:24:40	02:04:36
Max-El		67.846°	Zenith	53.599°	17.369°
Time		20:55:26	—	00:17:59	01:58:48
Rep-band(stat.)	()	X (Complete)	X (Complete)	X (Complete)	X (Complete)
Rep-start		20:50:19	22:31:35/22:37:29	00:12:59	01:54:44
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		20.77°/176.50°	20.67°/176.49°	20.62°/176.41°	20.57°/176.455°
Attitude	$\begin{bmatrix} \\ \end{bmatrix}$	$\begin{bmatrix} 263.5575^\circ \\ 123.3294^\circ \\ 182.5295^\circ \end{bmatrix}$	$\begin{bmatrix} 263.5576^\circ \\ 123.3292^\circ \\ 182.5288^\circ \end{bmatrix}$	$\begin{bmatrix} 263.5577^\circ \\ 123.3294^\circ \\ 182.5294^\circ \end{bmatrix}$	$\begin{bmatrix} 263.5576^\circ \\ 123.3294^\circ \\ 182.5293^\circ \end{bmatrix}$
OP-start(CE)	()	20:59:47 (00h)	Cont (0Ah)	Cont (18h)	Cont (26h)
GIS HAM ERR		ERR → Reset	—	—	ERR → Reset
ACS ERR		(SH)MOMCHG → Reset	—	—	—
SIS-mode		Bright 1111/3333	Bright 1111/3333	Bright 1111/3333	Bright 1111/3333
S0/1-TECT		-33.52/-33.60°C	-34.05/-34.86°C	-34.64/-34.72°C	-34.98/-35.01°C
S0/1-CCDT		-59.27/-59.00°C	-59.27/-59.00°C	-59.42/-59.14°C	-59.60/-59.33°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)
GIS LD Hit		25.3/22.8c s ⁻¹	29.6/26.2 c s ⁻¹	29.4/27.6 c s ⁻¹	23.2/23.9 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	2	3/4	48	159	218	18.6	19.1	370.59	1764	27360	184.32
Pass: 980826-1342							3/4	40	159	218	13.1		395.82	1341	27360	179.70

SIS Mode Changes:	Rapid Burster	1CCD(1111/3333)	Bright(bit-H/M), LD off, AD off
	Protostar Survey #2	1CCD(0000/2222)	Faint(bit-H/M), LD off, AD off
	G337.3+1.0	1CCD(1212/3030)	Faint(bit-H/M), LD 0.7keV on(S0,S1), AD on/off(S0)

GIS Mode Changes:	Rapid Burster	PH(10-8-8-5-0)
	Protostar Survey #2	PH(10-8-8-5-0)
	G337.3+1.0	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
18.40/23.20	18.40/23.40	-4.86/4.75	-4.99/4.78	4.82/8.74	4.27/7.61