

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

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MS0302.7+1658 → G299.2-2.9

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5								
Pass No.	960818-1444	960818-1548	960819-0103		960819-0310								
Operation	X-REP OP/OG-12 WRT TCU-MEM ACS-ERR-RST CPU2/3-STOP CPU2/3-RST OP-START	X-REP SBR-A-RNG STAR-06 WRT S-CTLG-CHK OBSERVE RNG-OFF	X-REP BDR-STOP X-REP BDR-STOP BAT-A-TCL-ON	(YOHKOH)	X-REP CPU2/3-STOP CPU2/3-RST GIS-MEM ACS-ERR-RST								
Target	MS0302.7+1658	MS0302.7+1658	MS0302.7+1658		MS0302.7+1658								
AOS(UT)	21:51:30	23:33:27	01:14:28		04:37:43								
LOS(UT)	22:04:00	23:45:14	01:26:46		04:48:38								
Max-El	24.800°	67.882°	Zenith		16.583°								
Time	21:57:36	23:38:45	—		04:42:37								
Rep-band(stat.)	X (Complete)	X (Complete)	X (Complete)	()	X (Complete)								
Rep-start	21:52:57	23:34:07	01:15:27/01:20:47		04:38:39								
DP-mode	OBS/TCU/OBS	OBS/ACS/OBS	OBS		OBS/GIS/OBS								
ACS-mode	Normal-Pointing	Normal-Pointing	Normal-Pointing		Normal-Pointing								
SUN-pos θ_s/ϕ_s	8.98°/212.89°	9.05°/212.63°	9.11°/212.36°		9.24°/211.85°								
Attitude	$\begin{bmatrix} 46.19473^\circ \\ 72.93492^\circ \\ 10.95387^\circ \end{bmatrix}$	$\begin{bmatrix} 46.19474^\circ \\ 72.93510^\circ \\ 10.95318^\circ \end{bmatrix}$	$\begin{bmatrix} 46.19445^\circ \\ 72.93516^\circ \\ 10.95377^\circ \end{bmatrix}$	$\begin{bmatrix} \\ \\ \end{bmatrix}$	$\begin{bmatrix} 46.19418^\circ \\ 72.93532^\circ \\ 10.95377^\circ \end{bmatrix}$								
OP-start(CE)	22:00:53 (00h)	Cont (0Ah)	Cont (14h)	()	Cont (27h)								
GIS HAM ERR	ERR→ Reset	—	—		—								
ACS ERR	(SH)MOMCHG → Reset	—	—		(SH)MOMCHG → Reset								
SIS-mode	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 1111/3333		Faint/Faint 1111/3333								
S0/1-TECT	-36.96/-36.85°C	-37.25/-37.15°C	-37.64/-37.49°C		-36.77/-36.47°C								
S0/1-CCDT	-61.15/-60.69°C	-61.08/-61.02°C	-61.62/-61.39°C		-61.62/-61.72°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	27/27 cps	29/31 cps	34/31 cps		29/28 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	1	3/4	48	159	218	15.3	15.2	384.88	245	3518	183.73	
Pass: 960818-1444			3/4	40	159	218	9.8		408.35	228	3518	180.19	
SIS Mode Changes: Faint(bit-H)/Faint(bit-M) 1111/3333, ADR Off LVL Off for MS0302.7+1658 Faint(bit-H)/Bright(bit-M) 1212/1212, ADR Off LVL Off for G299.2-2.9													
GIS Mode Changes: PH 10-8-8-5-0-0 for MS0302.7+1658 PH 8-8-8-5-0-2 for G299.2-2.9													

Battery Condition (min/max)

BAT_V-A	BAT_V-B	BAT_I-A	BAT_I-B	BAT_T-A	BAT_T-B
19.40/23.30	19.40/23.30	-4.72/4.85	-4.73/4.76	4.82/9.03	4.82/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
08/19 16:00	G299.2-2.9	3	(183.7983 , -65.5011)	(184.3223 , 155.6567 , 114.4996)

Comment: 本日の運用: Today's target is MS0302.7+1658 (PI=E.Miyata: JPN). The count rates were 0.025 c/s for SIS (background included; entire chip), and 0.008 c/s for GIS (background roughly subtracted).

MS0302.7+1658 のほかに CL0303+1706 や QSO も検出されていますが、スペクトル解析するには統計が足りません。(KSC 便りを参照) 昨日のロケットの打ち上げは、現象待ちのまま時間切れとなり、延期になりました。スポラディック E 層が出ている時に打ち上げるのだそうです。打ち上げを見るために午前 1 時まで起きていたので、今日はとても眠いです。(廿日出)

昨日の日曜日は網元が休みだったので、ようこうの人達とハヤシライスを作って食べました。朝早く起きるのは大変ですが、その分運用が早く終るのは嬉しいです。今日観測した Arc 銀河団はだいぶ暗かったです。(茅原)