

「あすか」 OPERATION REPORT Rev.5 Ver 3.1

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PKS1510-089 → 2EGJ1912-6211

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5						
Pass No.	960820-1341	960820-1444	960820-1547	960821-0103	960821-0206						
Operation	X-REP OP/OG-06 WRT TCU-MEM OP-START	X-REP SBR-A-RNG STAR-02 WRT S-CTLG-CHK OBSERVE RNG-OFF	X-REP BDR-STOP X-REP BDR-STOP	X-REP SBR-A-RNG CPU2/3-STOP CPU2/3-RST GIS-MEM BAT-B-TCL-ON RNG-OFF	X-REP CPU2/3-STOP CPU2/3-RST BAT-A-TCL-ON						
Target	PKS1510-089	PKS1510-089	PKS1510-089	PKS1510-089	PKS1510-089						
AOS(UT)	20:02:58	21:43:55	23:24:56	01:06:38	02:47:03						
LOS(UT)	20:13:56	21:55:48	23:37:00	01:18:49	02:59:36						
Max-El	13.059°	43.013°	Zenith	75.079°	30.003°						
Time	20:08:19	21:49:20	—	01:12:05	02:53:18						
Rep-band(stat.)	X (Complete)	X (Complete)	X (Complete)	X (Complete)	X (Complete)						
Rep-start	20:04:33	21:44:43	23:25:42/23:32:14	01:07:34	02:48:45						
DP-mode	OBS/TCU/OBS	OBS/ACS/OBS	OBS	OBS/GIS/OBS	OBS						
ACS-mode	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing	Normal-Pointing						
SUN-pos θ_s/ϕ_s	9.90°/12.12°	9.95°/11.91°	10.04°/11.79°	10.10°/11.73°	10.14°/11.38°						
Attitude	$\begin{bmatrix} 228.4144^\circ \\ 99.0752^\circ \\ 167.9020^\circ \end{bmatrix}$	$\begin{bmatrix} 228.4139^\circ \\ 99.0756^\circ \\ 167.9016^\circ \end{bmatrix}$	$\begin{bmatrix} 228.4144^\circ \\ 99.0748^\circ \\ 167.9011^\circ \end{bmatrix}$	$\begin{bmatrix} 228.4140^\circ \\ 99.0750^\circ \\ 167.9020^\circ \end{bmatrix}$	$\begin{bmatrix} 228.4137^\circ \\ 99.0749^\circ \\ 167.9018^\circ \end{bmatrix}$						
OP-start(CE)	20:10:11 (00h)	Cont (0Ah)	Cont (14h)	Cont (1Eh)	Cont (27h)						
GIS HAM ERR	—	—	—	—	ERR → Reset						
ACS ERR	—	—	—	—	—						
SIS-mode	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 1111/3333	Faint/Faint 1111/3333						
S0/1-TECT	-37.79/-37.79°C	-38.56/-38.56°C	-39.05/-38.99°C	-39.53/-39.53°C	-39.39/-39.43°C						
S0/1-CCDT	-61.62/-61.77°C	-61.67/-61.77°C	-61.67/-61.77°C	-61.67/-61.77°C	-61.67/-61.77°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)	PH(10-8-8-5-0)						
GIS LD Hit	22/21 cps	27/24 cps	26/25 cps	28/30	29/29 cps						
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	1	3/4	48	159 218	12.5 12.5	12.5	388.60	2301	21632	183.79
Pass: 960820-1341			3/4	40	159 218	7.1		417.30	2071	21632	180.98
SIS Mode Changes: Faint(bit-H)/Faint(bit-M) 1111/3333, ADR Off LVL Off for PKS1510-089 Faint(bit-H)/Bright(bit-M) 1212/1212, ADR Off LVL Off for 2EGJ1912-6211											
GIS Mode Changes: PH 10-8-8-5-0-0 for PKS1510-089 and 2EGJ1912-6211											

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	-4.55/5.02	-4.64/4.78	4.82/9.03	4.82/8.46

Maneuver Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
08/21 06:40	2EGJ1912-6211	5	(214.6179 , -60.6823)	(215.1987 , 150.6767 , 153.0306)

Comment: 本日の運用: Today's target is PKS1510-089 (PI=K.P.Singh: USA). The count rates were 0.16 c/s for SIS (background included; entire chip), and 0.11 c/s for GIS (background roughly subtracted).

昨日ロケットの打ち上げがありました。ロケットから放出された発光雲は思ったより明るく、10分以上肉眼で見えていました。15分後に続けて打ち上げられる予定だった2本目のロケットは、また延期になりました。(廿日出)

たかだか直径30cmのロケットと思っていましたが、打ち上げ時の大音響にはびっくりしてしまいました。発光雲は初めはとても微かでしたが、次第に高層大気の動きを反映してよろっと流され、夜空に「つ」の字を描いて消えました。(茅原)