「あすか」 OPERATION REPORT Ver.1.5

93 年 5 月 17 日　Y+ 86　KSC 当番: 長瀬、粟木 、 寺田

PKS2126-158

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	930517–0309	930517–0412	930517–0516	930517–0619	930517–0723
Operation	X-Rep OPOG-WRT HAM-ERR-RST ERR-CODE-RST OP-START	X-Rep RANG SCT-02-WRT	X-Rep BDR-STOP HAM-ERR-RST X-REP BDR-STOP	X-REP RANG	X-Rep HAM-ERR-RST
Target	PKS2126	PKS2126	PKS2126	PKS2126	PKS2126
AOS(UT) LOS(UT)	4:13:48 4:26:44	5:55:59 6:08:33	7:37:09 7:50:07	9:19:27 9:31:46	11:01:06 11:12:45
Max-El Time	19.906 4:20:17	56.212 6:01:42	Zenith —	65.603 9:25:06	23.444 11:06:29
Rep-band Rep-start Rep-status	X 4:16:01 Completed	X 5:56:47 Completed	X 7:38:19/7:44:08 Interrupted	X 9:20:32 Completed	X 11:02:20 Completed
DP-mode	OBS	OBS/ACS/OBS	OBS	OBS	OBS
ACS-mode ACS-spn/θ_s Attitude	Normal–Pointing 6.8° $\begin{bmatrix} 322.150 \\ 105.746 \\ 18.230 \end{bmatrix}$	Normal–Pointing 6.8° $\begin{bmatrix} 322.150 \\ 105.746 \\ 18.229 \end{bmatrix}$	Normal–Pointing 6.9° $\begin{bmatrix} 322.151 \\ 105.746 \\ 18.229 \end{bmatrix}$	Normal–Pointing 7.0° $\begin{bmatrix} 322.151 \\ 105.767 \\ 18.230 \end{bmatrix}$	Normal–Pointing 7.0° $\begin{bmatrix} 322.150 \\ 105.747 \\ 18.233 \end{bmatrix}$
OP-start start CE	4:23:30 00h	continue 07h	continue 10h	Cont. 17h	Cont. 1Eh
SIS-mode S0/1-TECT S0/1-CCDT	Faint/Faint 1CCD $-39.49/-39.48$ $-61.71/-61.81$	Faint/Faint 1CCD $-39.00/-39.04$ $-61.71/-61.81$	Faint/Faint 1CCD $-38.32/-38.41$ $-61.71/-61.81$	Faint/Faint 1CCD $-37.16/-37.24$ $-61.71/-61.81$	Faint/Faint 1CCD $-36.19/-36.27$ $-61.71/-61.81$
GIS-mode GIS LD Hit	PH MES 22cps/25cps	PH MES 29cps/27cps	PH MES 28cps/30cps	PH MES 29cps/28cps	PH MES 26cps/28cps

P X Y R S	Pos	MErr	HV_HL	Gain	RT-L	RT-U	Temp	RBMT	CalPk	RT Pk	CalCnt/time
10 8 8 5 0	FLF	—	3/4	48	159	218	13.1	13.1	411.07	183.93	3448cts
Pass: s9305150309			3/4	40	159	218	7.6		426.46	181.82	3305cts

GIS Mode Changes: no

Battery Condition (min/max)

BAT_V–A	BAT_V–B	BAT_I–A	BAT_I–B	BAT_T–A	BAT_T–B	Charge/Discharge
20.20/23.40	20.30/23.40	−4.03/4.73	−4.30/4.78	4.82/8.74	4.82/8.46	1.03/1.04

Comment: 本日の運用：
MANEUVER OPERATION SCHEDULED IN THE OP COMMANDS
MNV START: 5/17 23:52, TARGET: Z3146, (α,δ)=(155.92,4.19), Euler Angle:(156.12,85.75,159.43)

The QSO, PKS2126-158 is faint but clearly seen from 6.2 ksec exposure in the field of GIS at about 7 arcminutes offset position. The flux is about 0.3 counts/sec/GIS(S2+S3) taking the offset into account. SIS spectrum of this source shows some structure (emission or absorption?) at around 1 keV in addition to a clear evidence of structure due to the oxygen edge.

今日は、PKS2126-158(QSO) を 7 分角 offset で 6.2ksec 間観測した。やっぱり image がとれるぶん［ぎんが］の時

よりも観測している実感と興奮があるなあ。ところで、今日はGISのHAM-ERRORが3回も起こりました（寺田）。

今日から鹿児島です。「ぎんが」の時とだいぶ様がわりしたような気がします。（指令卓から女性の声がするし）（粟木）