「あすか」 OPERATION REPORT Ver.1.5

94 年 3 月 21 日 Y+ 394 KSC 当番: 吉田 K 、 瀧澤、 G.Zylstra

ProximaCen → StepPoint → 0716+714 Part3 → A0620-00

	PASS 1	PASS 2	PASS 3	PASS 4	PASS 5
Pass No.	940320–1445	940320–1548	940321–0103	940321–0207	940321–0310
Operation	X REP OP/OG WT/CK ERR CODE RST ((SH)MOMCHG) OP START	X REP SBR-A-RNG S-CTLG-WT/CK OBS-MODE RNG-OFF	X REP BDR STOP X REP BDR STOP	X REP SBR A RHG RNG OFF	X REP
Target	Proxima Cen	Proxima Cen	Proxima Cen	StepPoint	0716+714
AOS(UT)	22:06:48	23:48:40	01:29:33	03:11:37	04:53:01
LOS(UT)	22:19:17	00:01:10	01:42:56	03:24:19	05:05:12
Max-El	23.600	65.310	Zenith	57.833	20:737
Time	22:12:46	23:54:04	—	03:17:20	04:58:40
Rep-band(stat.)	X (Completed)	X (Completed)	X (Completed)	X (Completed)	X (Completed)
Rep-start	22:08:26	23:49:11	01:30:36/01:36:14	03:12:14	04:54:16
DP-mode	OBS	OBS	OBS	OBS	OBS
ACS-mode	Normal–Pointing	Normal–Pointing	Normal–Pointing	Normal–Pointing	Normal–Pointing
ACS-spn/θ_s ϕ_s	21.63°, 177.19°	21.66°, 176.99°	21.71°,176.93°	3.65°, 202.31°	9.89°, 231.05°
Attitude	$\begin{bmatrix} 217.0556 \\ 152.5795 \\ 311.3407 \end{bmatrix}$	$\begin{bmatrix} 217.0552 \\ 152.5794 \\ 311.3399 \end{bmatrix}$	$\begin{bmatrix} 217.0554 \\ 152.5793 \\ 311.3402 \end{bmatrix}$	$\begin{bmatrix} 266.7456 \\ 90.1279 \\ 358.6087 \end{bmatrix}$	$\begin{bmatrix} 111.1028 \\ 18.6876 \\ 152.4197 \end{bmatrix}$
OP-start(CE)	22:16:08 (00h)	Cont (08h)	Cont (10h)	Cont (1Bh)	Cont (27h)
SIS-mode	Fnt/Fnt 0101/2323	Fnt/Fnt 0101/2323	Fnt/Fnt 0101/2323	Fnt/Fnt 0123/0123	Fnt/Fnt 1111/3333
S0/1-TECT	−39.76/−39.67	−40.36/−40.21	−40.41/−40.26	−40.07/−39.96	−39.10/−39.19
S0/1-CCDT	−61.62/−61.77	−61.62/−61.77	−61.62/−61.77	−61.62/−61.77	−61.67/−61.77
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	23cps/23cps	30cps/28cps	29cps/27cps	30cps/29cps	27cps/26cps

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	1	3/4	48	159	218	19.6	19.6	389.01	184.11	933
Pass: 9403201445			3/4	40	159	218	14.2		449.17	179.98	998

GIS Mode Changes: NONE

Battery Condition (min/max)

BAT_V–A	BAT_V–B	BAT_I–A	BAT_I–B	BAT_T–A	BAT_T–B
20.00/23.50	20.10/23.50	−4.42/4.75	−4.34/4.78	4.82/8.74	4.82/8.46

Manoeuvre Operation

Start Time	Target Name	#	(α, δ)	(ϕ, θ, ψ)
03/21 2:50	StepPoint	5	(267.0000 , 0.0000)	(266.7453 , 90.1263 , 358.6093)
03/21 3:30	0716+714#3	6	(110.4727 , 71.3434)	(111.1078 , 18.6861 , 152.4160)
03/21 13:10	A0620-00	1	(95.68512 , -0.34575)	(95.8847 , 90.2970 , 174.7215)

Comment: 本日の運用:
We obtained 0.07 cts/cm^2/s (SIS) and 0.03 cts/cm^2/s (GIS) from Proxima Centauri. The Raymond-Smith model seemed to give the best spectral fit with a plasma temperature in the tenths of keV and an overabundance of metals. We also obtained 0.11cts/cm^2/s (SIS) from 0716+714.
Proxima Cen から２０分角程離れた所に別のソースがありましたが、何者であるのかは未確認。日曜は瀧澤君の車

で佐多岬めぐりをしましたが、景色も良く日中は初夏を思わせる陽気でした。（吉田 K）
爽感 (瀧澤)