

WHITE LIGHT SOLAR ACTIVITY

Observer	MDF				R		Q	
	North	South	Total	Days	Total	Days	Total	Days
J.G. Gissing	0.42	1.00	1.42	12	-	-	3.67	12
P.J. Meadows	0.59	0.94	1.53	17	21.40	17	-	-
B. Hardie	0.55	1.24	1.79	29	26.41	29	-	-
T. Tanti	0.60	1.13	1.73	30	25.80	30	4.10	30
E.H. Strach	0.43	1.00	1.43	28	20.50	28	4.14	28
K.J. Medway	0.51	0.97	1.48	29	-	-	-	-
W.F. Heyes	0.50	0.83	1.33	12	-	-	3.50	12
M. Götz	-	-	1.12	26	-	-	-	-
CUAS	0.60	1.30	1.90	21	27.00	21	-	-
MEANS	0.53	1.07	1.54	204	24.36	125	3.96	82

MDF = Mean Daily Frequency of active areas, R = sunspot number, Q = mean quality estimate (JBAA 98,6,pp282-286)

Table 1: Solar activity, 1994 August

Observer	MDF				R		Q	
	North	South	Total	Days	Total	Days	Total	Days
J.G. Gissing	0.77	0.59	1.35	17	-	-	3.06	17
B. Hardie	0.95	1.28	2.23	11	32.80	11	-	-
MEANS	1.00	1.51	2.36	210	39.74	133	5.56	70

Table 2: Solar activity (additional reports), 1994 July

BAA/TA Comparison

Month	Active areas		Spot numbers	
	BAA	TA	BAA	TA
1994 August	2.70	2.36	37.96	39.74

Note that there was an error with J.G. Gissing's value of Q in the last edition. The value of 52 given was the total not the mean. The correct figure was 3.06 as shown in table 2 above.

Sunspot Activity, 1994 August

Observers reported a further reduction in activity during August. Throughout the month Strach recorded three spot groups in the N with an average *latitude* of 7.3° whilst in the S there were a total of six groups with an average latitude of -11.3°.

Strach reports that on the 3rd a new spot group was seen with an average position of N6/109. As the group reached the CM on the 8th its coordinates were N5/113 and when last seen on the 13th they were N4.5/115.

On the 12th a new group formed on the disc at mean position S12/34. According to Strach it was of the bipolar type with many intervening small spots. It crossed the CM on the 13/14 when it attained its maximum development and faded considerably on reaching the W limb on August 19/20.

Strach reports that two new spots came around the E limb at the end of the month. One was at N5/123 and the other at S8/101. A rather high latitude spot was seen near the CM on the 30th at S22/184.

Strach observed *polar faculae* on Aug 9 (N&S), 23 (S), 25 (S) and 28 (N).

MONOCHROMATIC SOLAR ACTIVITY

Observer	All Latitudes				0-40°			40-90°		
	North	South	Total	Days	North	South	Total	North	South	Total
E.H. Strachj	2.05	1.68	3.73	22	1.91	1.23	3.14	0.14	0.45	0.59
K.J. Medway	1.47	1.05	2.52	19	1.05	0.73	1.78	0.42	0.31	0.73
B. Hardie			4.21	14						

H α Prominence Activity, 1994 August

The prominence count in August remained low and Medway reports that few prominences of note were seen.

Strach observed an arch prominence on the E limb on the 1st extending from N22 to N32. On the following day a similar arch prominence was seen in the adjacent part of the disk as a filament.

Medway reports major flare activity on the 14th with a 2B flare at S11 on the CM. This was associated with a naked eye group.

Strach noted multiple low arches on the W limb on the 25th extending from N10 to N19.

Flares, 1994 August

Date	Time	Lat	CMD	Type	Obs.
3	1849	N10	E67	Sf	KJM
5	1812	S11	E44	1n	KJM
9	1102-1118	N6	W19	SB	BH
12	1313-1350	S12	E20	1B	BH
12	1350	N6	W61	Sn	BH
13	1347	S11	E14	Sn	KJM
13	1752-1808	S11	E14	SB	KJM
14	1016	S11	CM	Sf	KJM
14	1745-1805	S11	CM	2B	KJM
15	1057	S9	W20	Sn	BH
15	1726	S21	W9	Sn	KJM
15	1744	N24	W44	Sf	KJM
17	1354-1415	S11	W52	1n	BH
19	1004-1009	S12	E13	Sn	BH
19	1749	S14	E9	Sf	KJM
21	1023	S15	W10	Sn	BH