

WHITE LIGHT SOLAR ACTIVITY

Observer	MDF				R		Q	
	North	South	Total	Days	Total	Days	Total	Days
W. Heyes	1.56	1.22	2.78	9	-	-	6.00	9
K.J. Medway	1.87	1.19	3.06	31	-	-	-	-
E. Strach	2.52	1.10	3.62	21	55.00	21	8.38	21
J.G. Gissing	1.71	0.94	2.65	17	-	-	10.60	17
P. Meadows	1.95	1.55	3.50	20	46.80	20	-	-
B. Hardie	2.04	1.41	3.45	24	46.91	24	-	-
T. Tanti	2.10	1.53	3.63	30	47.10	30	8.90	30
MEANS	2.01	1.30	3.31	152	48.74	95	8.79	77

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

Table 1: Solar activity 1993 August

BAA/TA Comparison, 1993 July

Month	Active areas		Spot numbers	
	BAA	TA	BAA	TA
1993 July	4.32	3.80	58.80	58.99

was slightly lower than in July but that the dominant hemisphere was now the N rather than the S. This was confirmed by Strach who mentions that his *spot latitudes* ranged from 20 to 5.5 which is typical for mid-way into the decline. All observers report that there were no particularly interesting or large groups seen during the month.

Sunspot Activity, 1993 August

Ken Medway managed to observe the Sun on every day in August. This must be something of a record for a British observer! His impression was that the activity

Medway observed a *low latitude* spot at S01 from the 14th to the 17th.

MONOCHROMATIC SOLAR ACTIVITY

Observer	All Latitudes				0-40°			40-90°		
	North	South	Total	Days	North	South	Total	North	South	Total
K.J. Medway	4.39	3.92	8.31	26	3.62	3.26	6.88	0.77	0.66	1.43
E.H. Strach	2.56	1.69	4.25	16	1.56	1.69	3.25	1.00	0.00	1.00
B. Hardie	-	-	4.10	9	-	-	-	-	-	-

H α Prominence Activity, 1993 August

Strach reports that there were few outstanding prominences during the month. Notable were a flag-shaped prominence at S20 on the W limb on the 2nd. On the 5th a spire type prominence was seen at N43 on the W limb. On the 8th Medway observed a multiple arch prominence on the E limb from N28 to S13. This had gone by the 9th. On the 16th he saw an imposing pillar prominence on the SE limb at S32. On the 29th Medway reports a chain of large spikes and mounds between N30 and S18 on the E limb.

those of particular note seen between the 20th and 23rd.

Many small filaments were seen on some days during the month. On the 5th Strach noted a fragmented filament in the SE. It developed into a long, oblique structure during the following days and it was most outstanding on the 10th when it crossed the CM obtaining a length of 2/3 solar radii. On the same day Strach observed a shorter filament in the N hemisphere starting to the E of a spot at N12/249 and continuing to the NE. Medway also observed a number of flares with

Flares, 1993 August

Date	Time	Lat	CMD	Type	Obs.
3	1745	N15	E75	Sf	KJM
7	1505	N13	E29	Sf	KJM
8	1800-1807	N07	E44	Sf	KJM
9	1810	N08	E56	Sf	KJM
12	1722	N14	W57	Sf	KJM
12	1455	N11	W63	Sf	KJM
14	1145-1200	S03	E31	SB	KJM
24	1748	N05	-	SB	KJM ¹
26	1745-1747	N11	W13	Sf	KJM
30	1740	N11	W66	Sf	KJM

Notes

1. Limb flare seen on the NE limb.