

My apologies for the rather truncated notes this month, normal service will be resumed in September. Thanks to all of you who managed to get your results to me by the earlier deadline.

WHITE LIGHT SOLAR ACTIVITY

Observer	MDF				R		Q	
	North	South	Total	Days	Total	Days	Total	Days
K.J. Medway	0.97	1.26	2.23	30	-	-	-	-
E.H. Strach	1.09	1.86	2.95	22	38.12	22	6.73	22
J.G. Gissing	0.77	0.59	1.35	17	-	-	52.00	17
T. Tanti	1.00	1.52	2.52	31	35.70	31	6.10	31
P. Meadows	1.11	1.94	3.06	18	42.70	18	-	-
D. Elias	-	-	2.81	31	42.30	31	-	-
CUAS	1.10	2.00	3.10	20	45.00	20	-	-
M. Götz	-	-	1.10	30	-	-	-	-
MEANS	1.01	1.53	2.36	199	40.37	122	17.45	70

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

Table 1: Solar activity, 1994 July

BAA/TA Comparison

Month	Active areas		Spot numbers	
	BAA	TA	BAA	TA
1994 June	2.16	1.83	29.76	29.69

Note that there was a small error in the white light table for June. J.G. Gissing's days of observation for Q should have read 12 not 10.

Sunspot Activity, 1994 July

Strach noted that although the MDF increased during the month the quality of activity (Q) did not. On the 7th

he observed the appearance of a sunspot group. At 0620 on that day he noted 3 AAs but by 1445 there were 4. This fourth group was quite obvious at S8/161. At the same time there was strong radio bursting on 151MHz which lasted until 1540. This new spot group was seen on the following day on the CM as a bipolar type Dsi.

Strach's average *latitude* of spots during the month was 11.5° in the N and 10.7° in the S. He notes that this may indicate that we are a long way off solar minimum. Strach saw *polar faculae* in the N on July 12, 29 and 30 and in the S on July 13, 18, 19, 29 and 30.

MONOCHROMATIC SOLAR ACTIVITY

Observer	All Latitudes				0-40°			40-90°		
	North	South	Total	Days	North	South	Total	North	South	Total
E.H. Strach	2.23	1.12	3.35	17	1.59	0.82	2.41	0.65	0.29	0.94
K.J. Medway	1.46	0.57	2.03	28	1.03	0.36	1.39	0.46	0.21	0.67

H α Prominence Activity, 1994 July

Strach reports that most of the prominences that he observed during the month were small and insignificant. He observed a curiously convoluted structure on the E limb at the rather high latitude of N58 on the 19th but there was no trace of it the following day. A bright pyramidal shaped prominence was seen on the 30th on the E limb at N21 to N28. By the 31st it had become an arc.

On the 9th Medway reports an interesting arch prominence down the NE limb seen at 1345. By the 10th this had broken up into two distinct sections.

Flares, 1994 July

Date	Time	Lat	CMD	Type	Obs.
4	1845	N12	E54	Sf	KJM
7	0855	N8	E16	Sf	EHS
10	1034	S9	W30	Sn	KJM
10	1357	N12	W24	Sf	KJM
15	1716	S1	W2	Sn	KJM
16	1807	S14	E49	1B	KJM
16	1817	N4	NE	Sn	KJM
17	1725-1745	S17	E54	1n	KJM
23	1810	N16	W8	Sn	KJM
23	1820	N17	W10	Sn	KJM
24	1013	N10	W30	Sn	KJM
24	116	N15	W20	Sn	KJM
24	1345	N10	W30	Sn	KJM
24	1430	N10	W30	Sn	KJM
31	1802	N10	E2	Sf	KJM