

WHITE LIGHT SOLAR ACTIVITY

White light MDF, 1996 September

Observer	MDF				R		Q	
	North	South	Total	Days	Total	Days	Total	Days
T. Tanti	0.00	0.15	0.15	27	1.80	27	0.20	27
J. Shanklin	0.00	0.10	0.10	20	1.00	20	-	-
M. Götz	-	-	0.00	13	-	-	-	-
J. Isles	0.00	0.13	0.13	16	1.44	16	-	-
G. North	0.08	0.00	0.08	13	0.85	13	-	-
K. Medway	0.00	0.08	0.08	25	-	-	-	-
P. Meadows	0.00	0.23	0.23	13	2.62	13	0.31	13
W. Heyes	0.00	0.00	0.00	12	-	-	0.00	12
E. Strach	0.00	0.14	0.14	28	1.50	28	0.29	28
MEANS	0.01	0.11	0.11	167	1.53	117	0.22	80

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

BAA/TA Comparison

Month	Active areas		Spot numbers	
	BAA	TA	BAA	TA
1996 August	1.03	0.85	15.29	13.19

Sunspot Activity, 1996 September

The increase in activity noted in August was not maintained in September and activity fell back to very low levels. Most observers reported that the N hemisphere was completely blank during the month. Strach reports that he

observed two southern groups during the month. One was a high-latitude group at S26/135 seen on the 7th. The other consisted of the fading spots of the area at S11/258 as it approached the W limb at the start of the month. This group had, just, survived its fourth passage across the visible disk. The same area returned between September 22 and 24 but Strach reports that only bright faculae were seen.

Polar faculae were seen on September 6 (S) and 20 (N). They were not seen despite excellent seeing on September 13, 17 and 18.

MONOCHROMATIC SOLAR ACTIVITY

Prominence MDF, 1996 September

Observer	All Latitudes				0-40°			40-90°		
	North	South	Total	Days	North	South	Total	North	South	Total
E.H. Strach	2.00	1.94	3.94	16	1.25	1.57	2.82	0.75	0.37	1.12
K. Medway	1.33	1.83	3.16	12	1.17	1.58	2.75	0.16	0.25	0.41

Prominence activity, 1996 September

In contrast to the white light performance there was plenty to see in H α during September. Medway reports a spectacular prominence seen on the 5th. Strands of Hydrogen were seen spanning two H structures. The prominence extended from 0 to S21 on the SW limb but

had largely disappeared by the 6th. Strach also reports a remarkable prominence seen on the E limb on September 20 extending from S25 to S37.

No flares were reported during the month.