

WHITE LIGHT SOLAR ACTIVITY

White light MDF, 1996

Observer	MDF				R		Q	
	North	South	Total	Days	Total	Days	Total	Days
E.H. Strach	0.00	0.00	0.00	22	-	-	-	-
G. North	0.00	0.00	0.00	13	0.00	13	-	-
W. Heyes	0.00	0.00	0.00	6	-	-	0.00	6
K. Medway	0.00	0.00	0.00	22	-	-	-	-
P. Meadows	0.20	0.00	0.20	10	2.20	10	0.20	10
J. Isles	0.00	0.00	0.00	17	0.00	17	-	-
J. Shanklin	0.00	0.00	0.00	20	-	-	-	-
M. Götz	0.00	0.00	0.00	18	-	-	-	-
MEANS	0.02	0.00	0.02	128	0.55	40	0.13	16

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

Prominence MDF, 1996 October

Observer	All Latitudes				0-40°			40-90°		
	North	South	Total	Days	North	South	Total	North	South	Total
E.H. Strach	2.00	0.80	2.80	5	1.40	0.80	2.20	0.60	0.00	0.60
K. Medway	1.61	2.33	3.94	18	0.78	2.05	2.83	0.83	0.28	1.11

Sunspot Activity, 1996 October

With some understatement John Isles reported that October was "another quiet month". The only observer to report any white light spot activity was Meadows. On the 26th he saw two groups, each consisting of a single pore, at N28/216 and N2/170.

Polar faculae were seen by North on October 23, 25 and 29. Strach saw polar faculae on October 13 and 17 in the N.

Apart from Medway (see below) no reports of the partial eclipse were received. The weather over the UK was certainly uncooperative on that Saturday!

Prominence activity, 1996 October

In contrast to white light activity the prominence MDF has been maintained at a reasonable level.

Strach reports that a magnificent pair of interacting prominences was seen on the W limb on October 2nd.

The N component extended from S2 to S6 and the S component from S25 to S28. On the following day the remainders of the S component were seen in the shapes of three trees. The last traces were still present on the 5th as arcs and trees.

Early in the month several high latitude prominences were seen on the W limb between N33 and N57. On the 17th the prominence seen earlier in the month reappeared on the E limb. By the 19th both Medway and Strach reported that it had become a prominent filament stretching from S10/E42 to S30. By the 21st Strach was unable to see the feature despite good conditions.

Medway reports that he observed the October 12 partial eclipse in H α . He comments that it was interesting to see the Moon pass in front of the Chromosphere. Some of us would have found it interesting to see the Moon pass in front of the Sun!

No flares were seen by TA observers during the month.