

I. PHYSICS

Astrophysics (Solar Corona)

TEMPORAL CHANGES IN CORONAL FINE STRUCTURES

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AIM of the experiment was to find out changes in fine structure of solar corona by observing from two locations, one in Africa and the second in India. The difference in time between occurrences of totality at these locations was about 100 minutes.

**Keywords :** Temporal Changes; Coronal Fine Structures; Filter; Radial Gradation; Streamer Movement.

EQUIPMENT

$\phi = 80$  mm,  $f = 1200$  mm camera with film size 60 mm  $\times$  70 mm. Filter specially made with radial gradation.

RESULTS

Comparison of two photographs taken from two locations indicate a streamer movement at  $2.5 R_0$  west edge which is most active complex structural area of corona (Fig. 1).

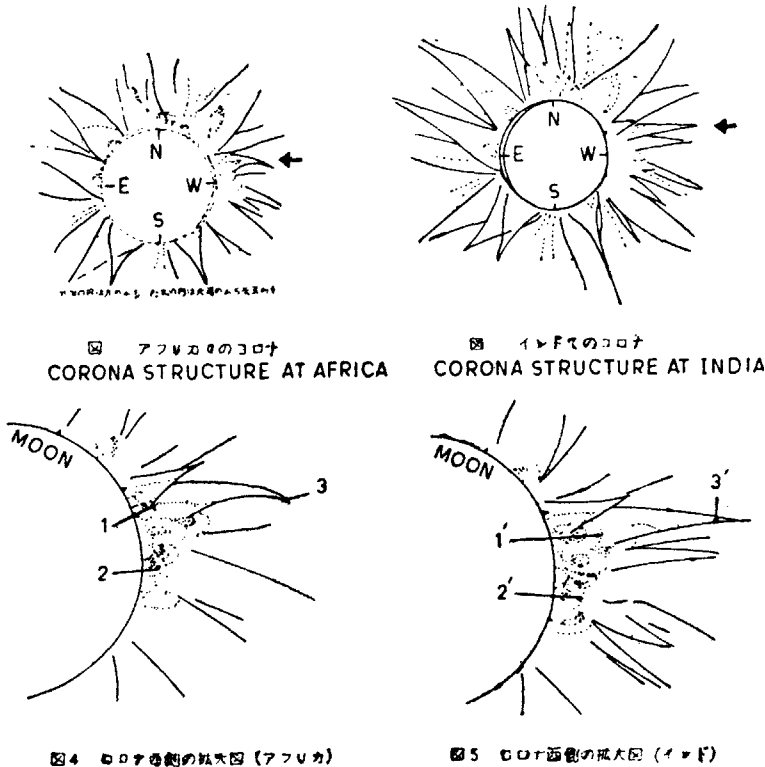


FIG. 1.

LOCATION

Voi, Kenya, Africa and Raichur, India.

PARTICIPANTS

26 members in Africa and 18 members in India participated in the observation which consisted of other standard eclipse observations.