

I. PHYSICS

Astrophysics (Time of Contact)

OBSERVATIONS OF TIMINGS OF THE FOUR CONTACTS

A. BANDYOPADHYAY, A. K. BHATNAGAR, S. SRIDHARAN *and* B. DASGUPTA
Positional Astronomy Centre, India Meteorological Department, Calcutta

(Received 13 October 1980)

AIM of the experiment was to determine the timings of the beginning and ending of the eclipse for comparison with the theoretical predictions.

Keywords : Contact Times; Neutral Density Filters.

EQUIPMENT

One portable 2" telescope, neutral density filters, a quartz watch, two stop watches.

RESULTS

Difference between the theoretical predicted timings and the actual timings recorded of the four contacts of the eclipse has been noticed to vary from 0.2 secs to 0.4 secs.

LOCATION

Nalgonda, Andhra Pradesh. Long. $17^{\circ} 03'$, Lat. $-79^{\circ} 16'$, Height above MSL 230m.