

Observations during the Total Solar Eclipse of October 24, 1995

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Abstract

Expedition of Abastumani Astrophysical Observatory jointly with Brazilian colleagues carried out two experiments at Nim Ka Thana. The first experiment was obtaining colour picture of solar corona by means of 3 meter expedition coronagraph. During the full phase of eclipse only one picture of corona was obtained. The second experiment was carried out using 1 meter telescope with beamsplitter. It allowed us to obtain image of solar corona in red coronal line (6374\AA) and in continuum simultaneously. The half width of interference filter in red line was 5\AA and in continuum about 50\AA . Four images in each wavelength were obtained. Observational material has been developed and is of good quality.