

Record of Extended Corona using Colour Video

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Abstract

The entire event of the total solar eclipse of October 24 1995 was videographed at our Kalpi camp. We have used SONY handycam Video 8 Model No CCD FX 280E PAL attached with 12x variable zoom lens. Partial eclipse was videographed using neutral density filters. During totality no filters were employed. The sky was very clear with good transparency. Beautiful extended corona even beyond $2R_{\odot}$ has been recorded. The records so obtained are of reasonably high quality and could be used for certain scientific investigations. Few selected frames showing different stages during totality are given in Figure 1.

Figure 1 Picture of solar corona recorded using video camera during the eclipse of October 24 1995