

**Video Recording of the Flash Spectrum during the Total Solar Eclipse
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Abstract

Flash spectra were recorded at video rate from Bhind, Madhya Pradesh. A holographic transmission grating, was used in front of a CCD video camera. Using a solar image of 0.5 mm diameter, the spectrum on the CCD was recorded on 8 mm video format at both 2nd and 3rd contacts. The H_{α} line is visible around 2nd and 3rd contacts for 24 and 18 seconds respectively. Prominent emission lines visible are H_{α} , He II, H_{β} , H_{γ} , Ca H & K lines. For analysing the growth and decay of emission lines the entire video data have been digitised, consisting of 170 megabytes. An interesting feature observed on digitising is the fluctuation in the intensity of the CN lines (3883Å).