

Observation of Filament Eruption and Flare in an Active Region

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On June, 24, 1999, We have observed an active region which produced filament eruption and two ribbon flare at Big Bear Solar Observatory. The time sequence Ha images at line center and off band ($\pm 0.5\text{\AA}$) are observed together with video magnetogram and white light images. This region was also observed with Transition Region and Coronal Explorer (TRACE) at various UV and EUV wavelengths including FeIX 171A and UV continuum at 1600A.

As a preliminary result, time sequence movies are presented which show dynamic eruption of filaments at Ha, UV and EUV wavelengths with time delay. Also, the Video Magnetogram movie was made to show changes in the corres ponding photospheric magnetic fluxes.