

## Pleione (BU Tau): IR Fading of the Star in 1999 - 2007

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<b>Star Name:</b>	BU Tau , HD 23862
<b>Coordinates (J2000):</b>	03 49 11.22, +24 08 12.2
<b>Variability type:</b>	GCAS; <b>Limits, System:</b> 5.05-5.27 (J); <b>Spectrum:</b> B8Vne
<b>Period:</b>	<b>Epoch:</b> JD

### Remarks:

We report on a fading of Pleione in the near infrared (1.25-3.5 microns) in 1999 - 2007. This IR fading was the first one during our observations of the star between 1994 and 2007. Pleione showed brightness declines in J, H, K, and L bands by  $\sim 0.20 - 0.25$  mag between 1999 December and 2007 November. The Figure displays variations of the star's J- and L-band brightness in 1994 - 2007. The vertical line approximately corresponds to the beginning of the decline.

### Light Curve

# Light Curves

BU Tau, 1994-2007

