

Long term photometry of UXor stars with large amplitudes

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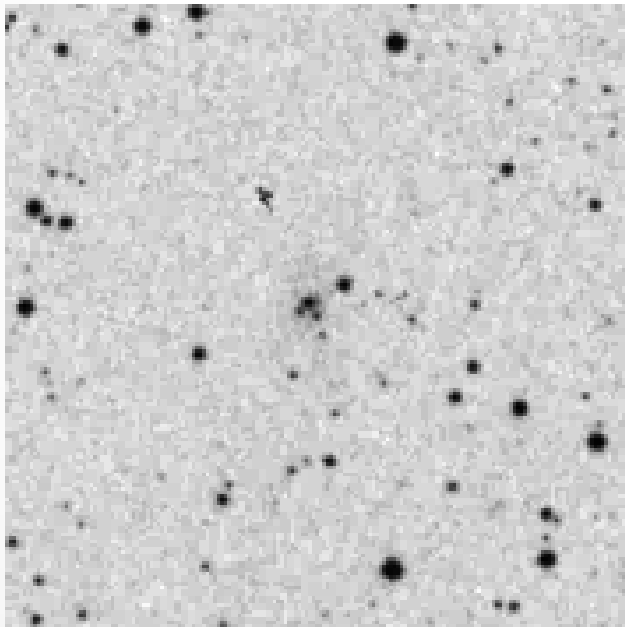
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Second International Workshop “The UX Ori type stars and related topics”
St. Petersburg, 30 September - 4 October 2019

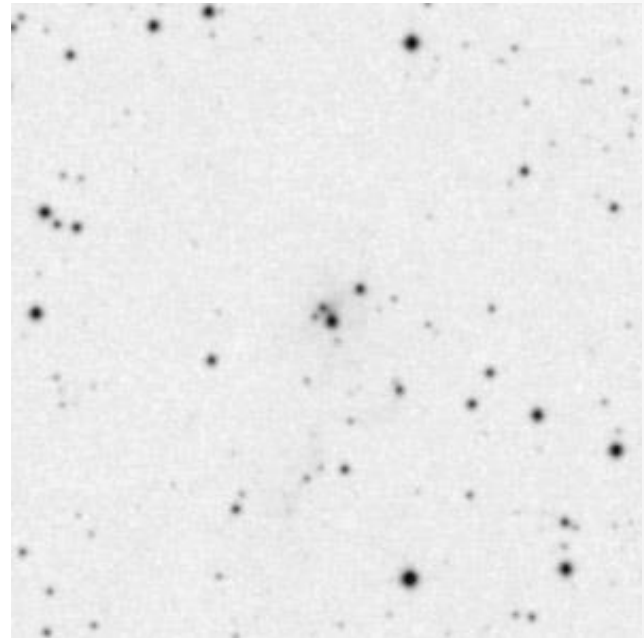
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V1184 Tau (CB 34 V)

Discovered by Yun, Moreira, Alves, and Strom (1997) in the region of Bok globule CB 34.

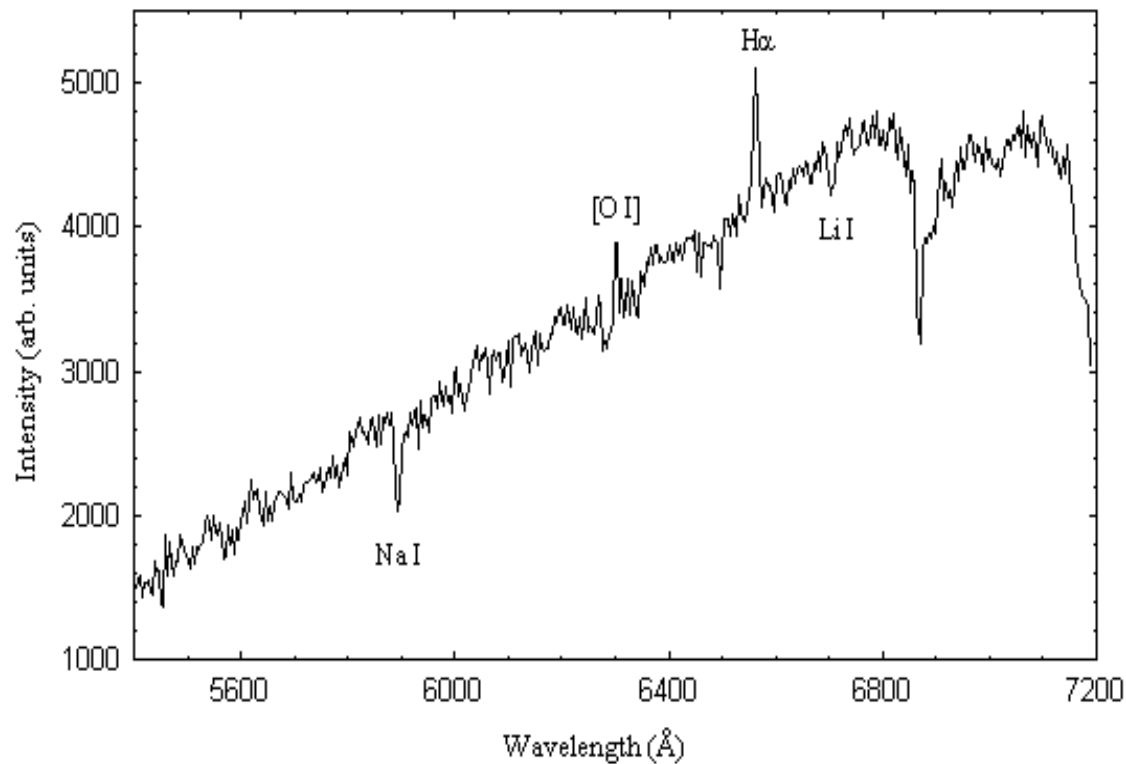


POSS1



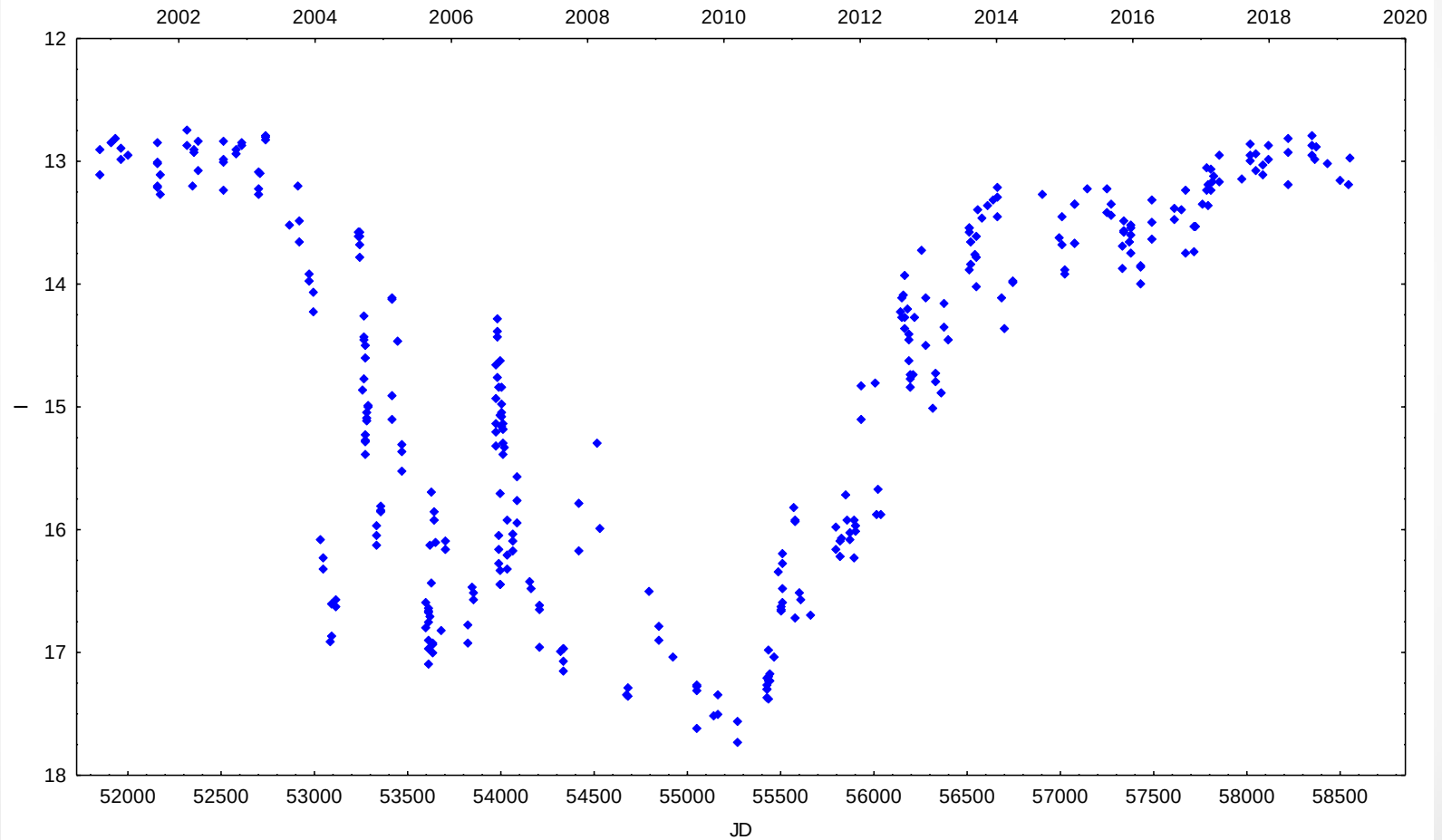
POSS2

Spectral Observations of V1184 Tau

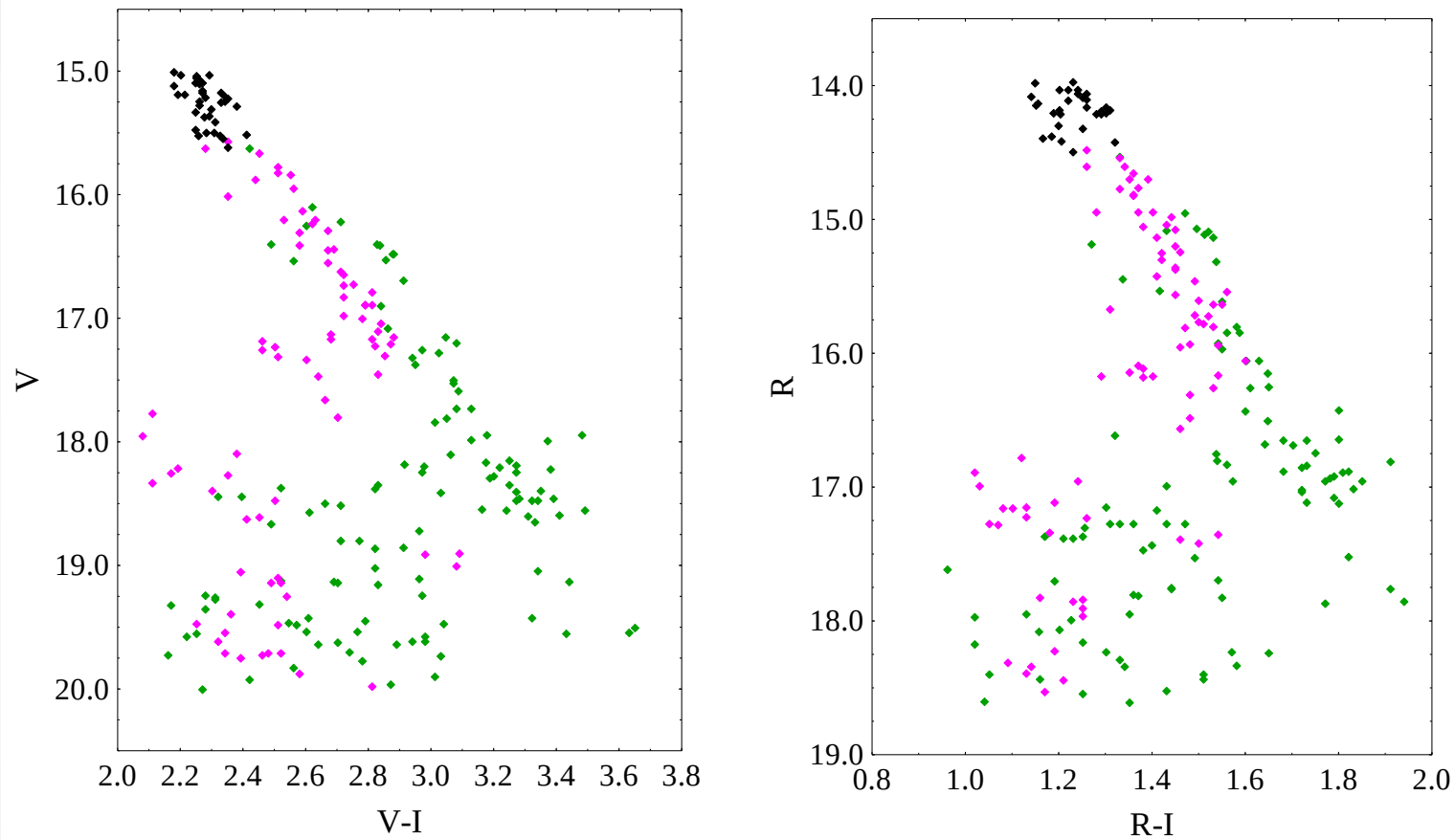


Optical spectrum of V1184 Tau obtained on 24 March 2001.

I-light curve of V1184 Tau

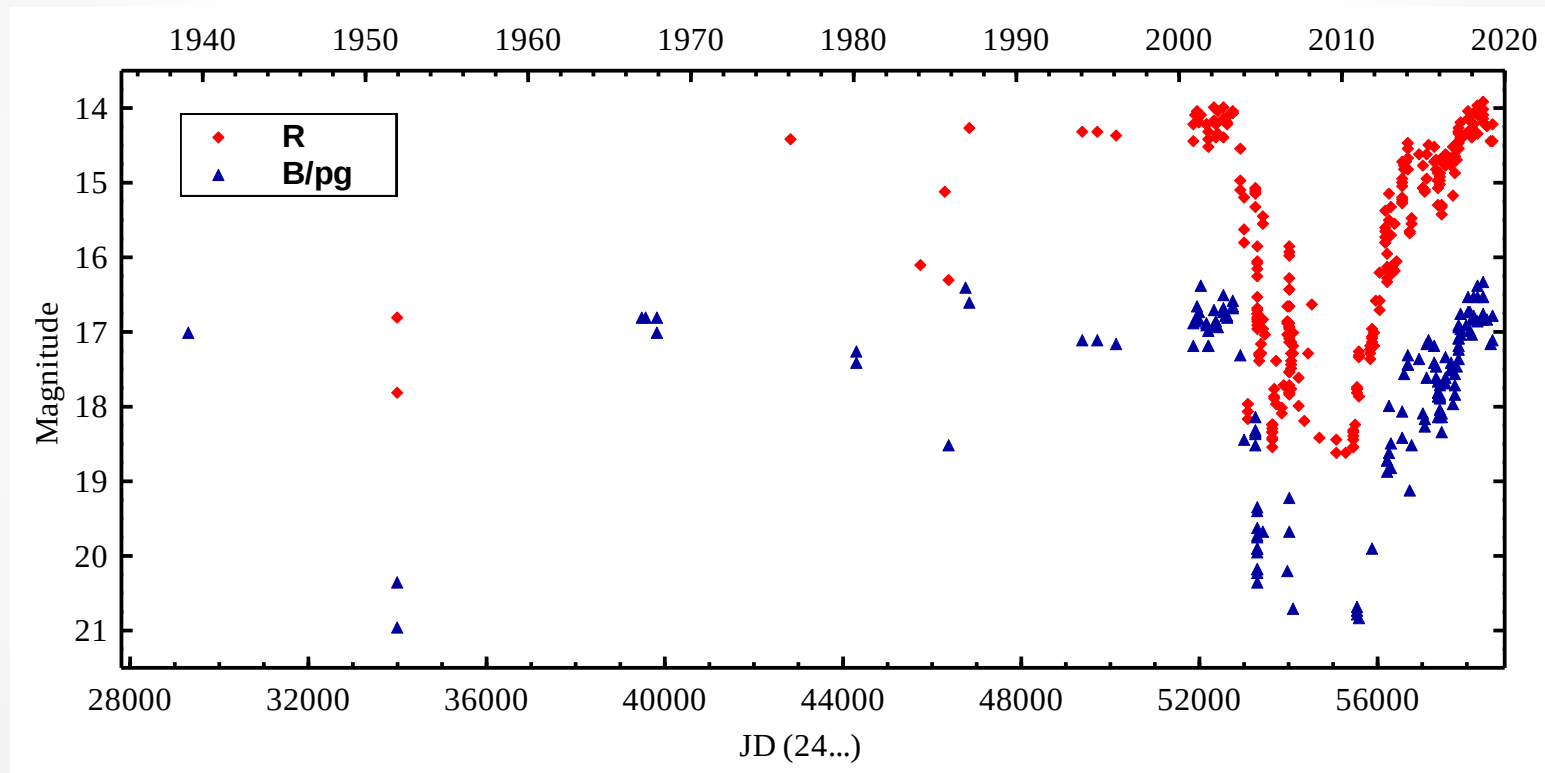


V1184 Tau



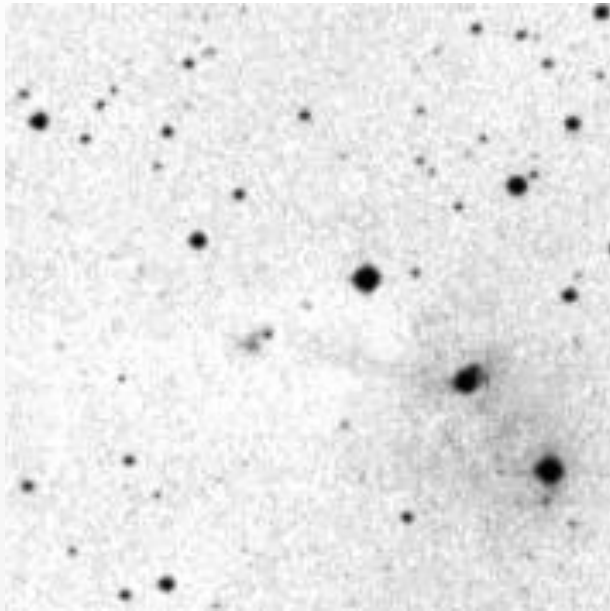
Color indices $V-I$ versus the stellar magnitude V and $V-R$ versus R . The black diamonds denote observations from Oct. 2000 to Apr. 2003 (maximum level of brightness), the green diamonds observations from Aug. 2003 to Mar. 2010 (when the brightness of the star dropped) and the pink diamonds from Aug. 2010 to Apr. 2015. the star increased).

Long term B,R-light curves of V1184 Tau

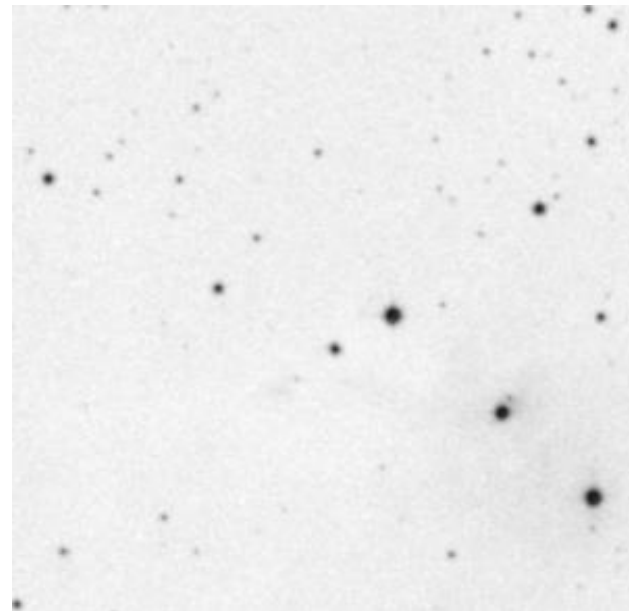


V350 Cep

Discovered by Gyulbudaghian & Sarkissian (1977) in the region of NGC 7129. Observed outburst 5^m in R

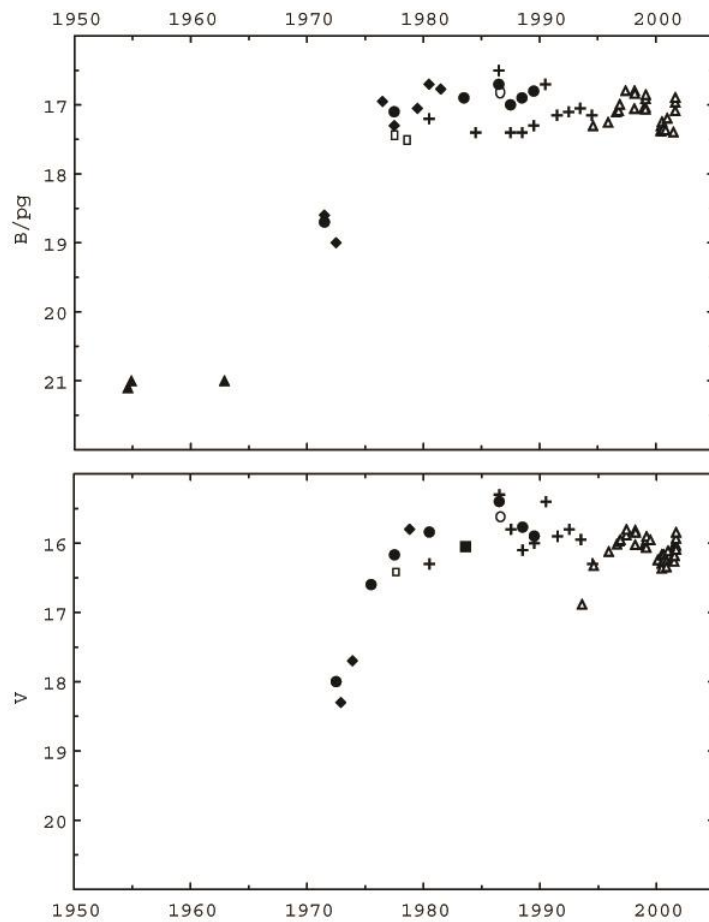


POSS1

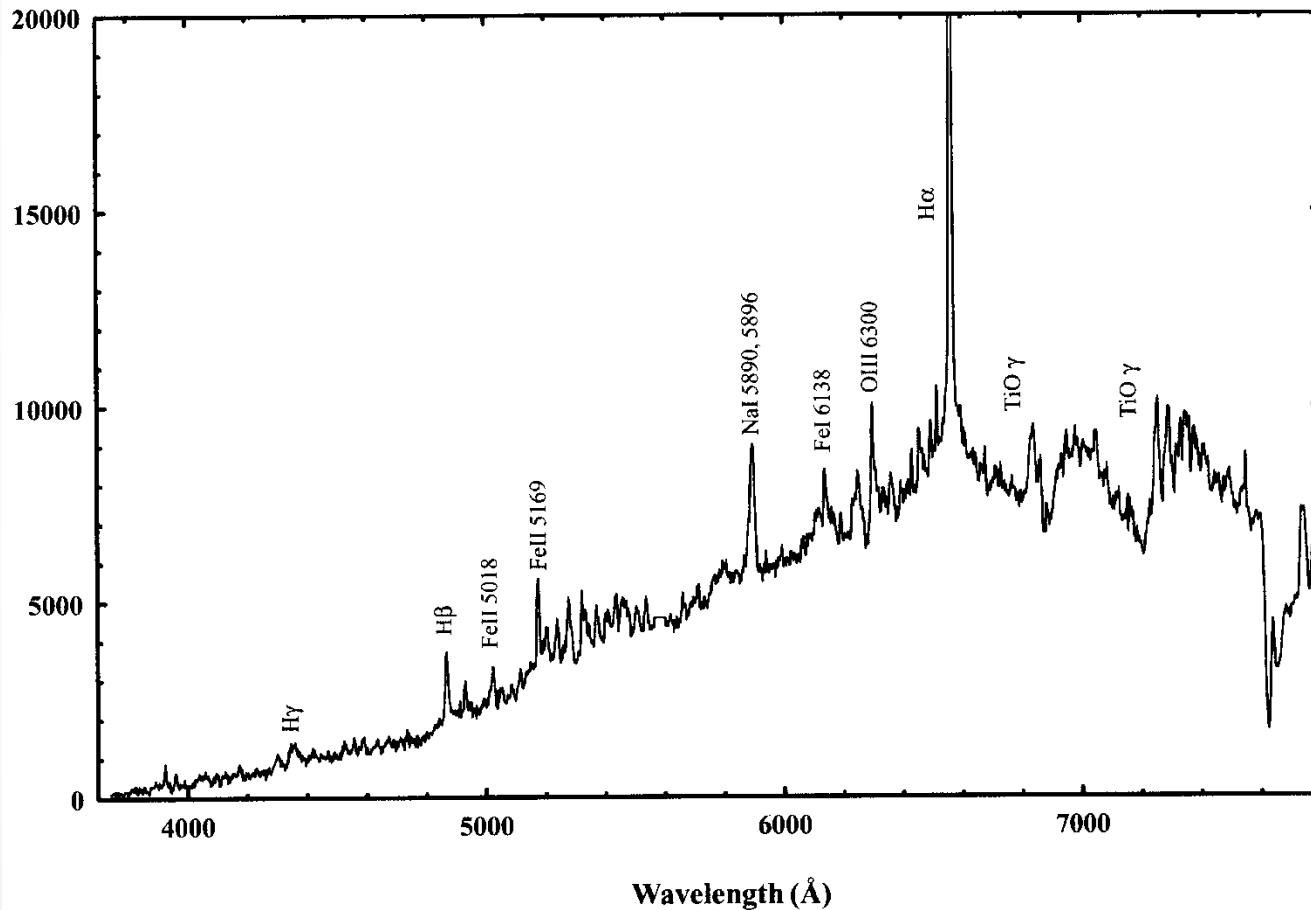


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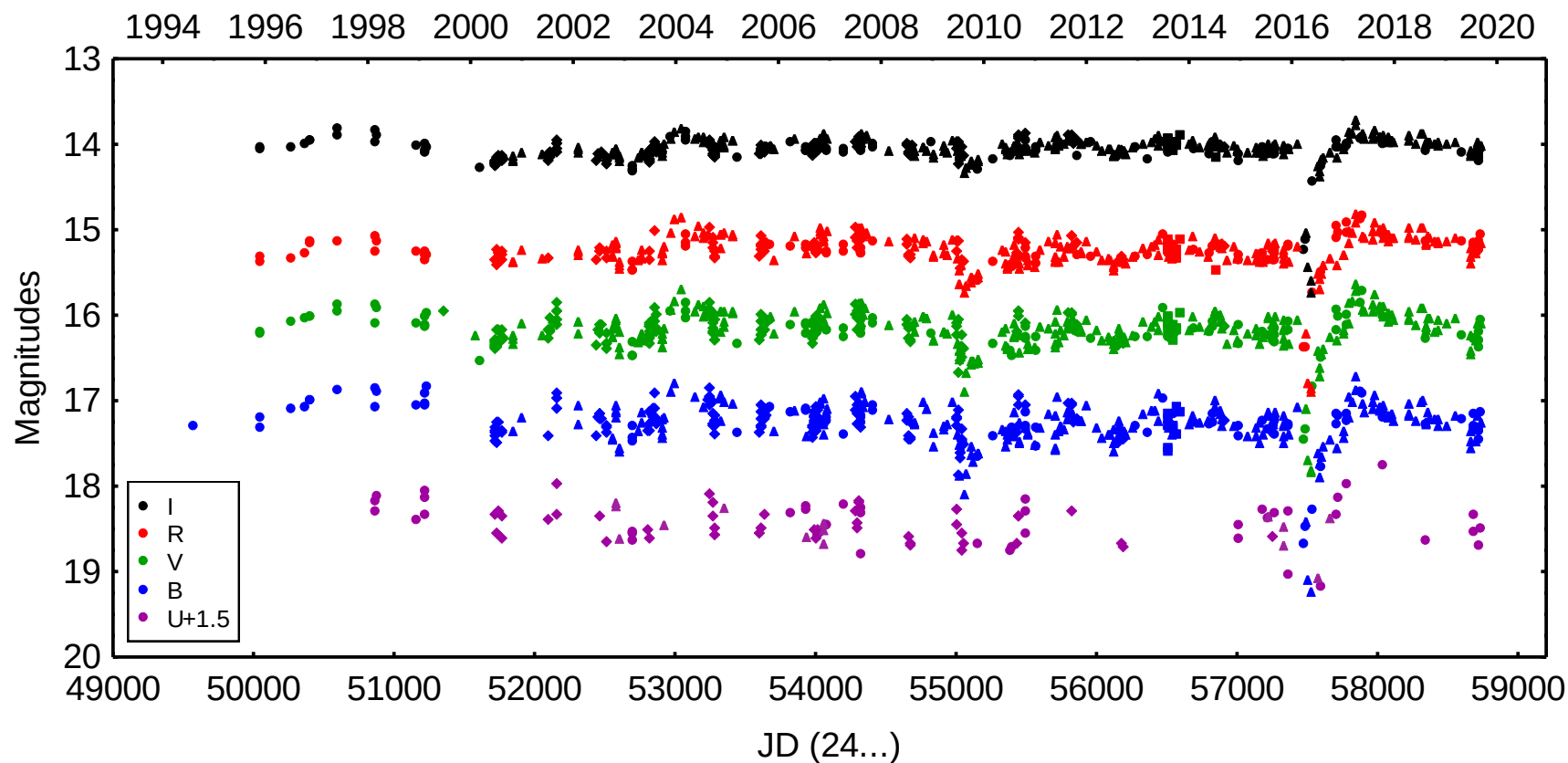
V350 Cep



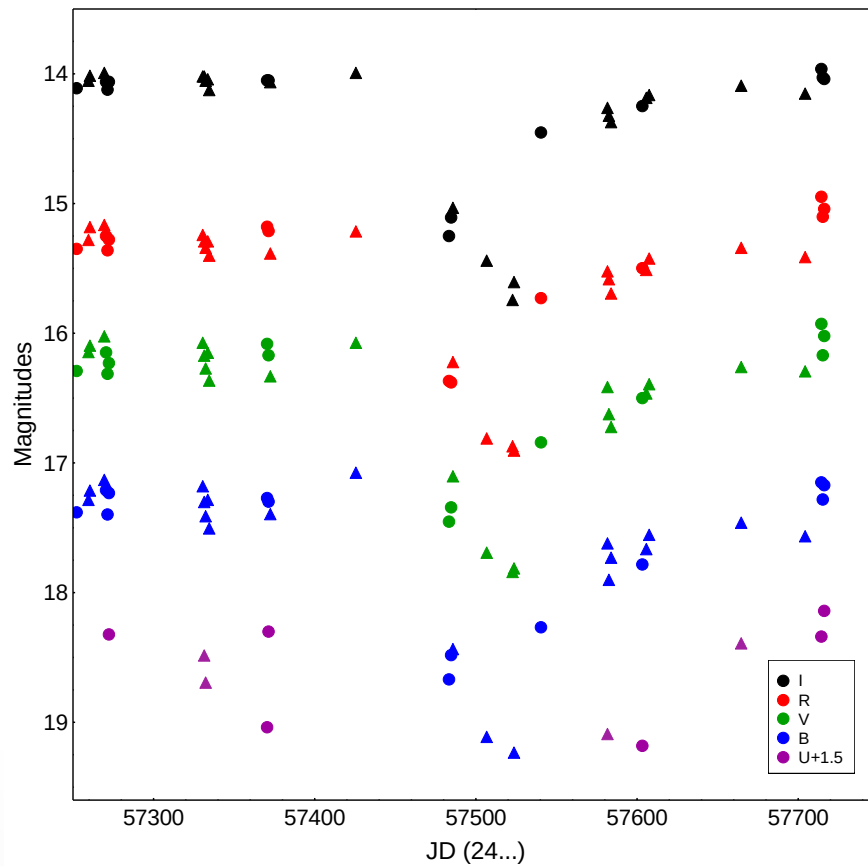
Optical spectrum of V350 Cep



UBVRI optical photometry of V350 Cep

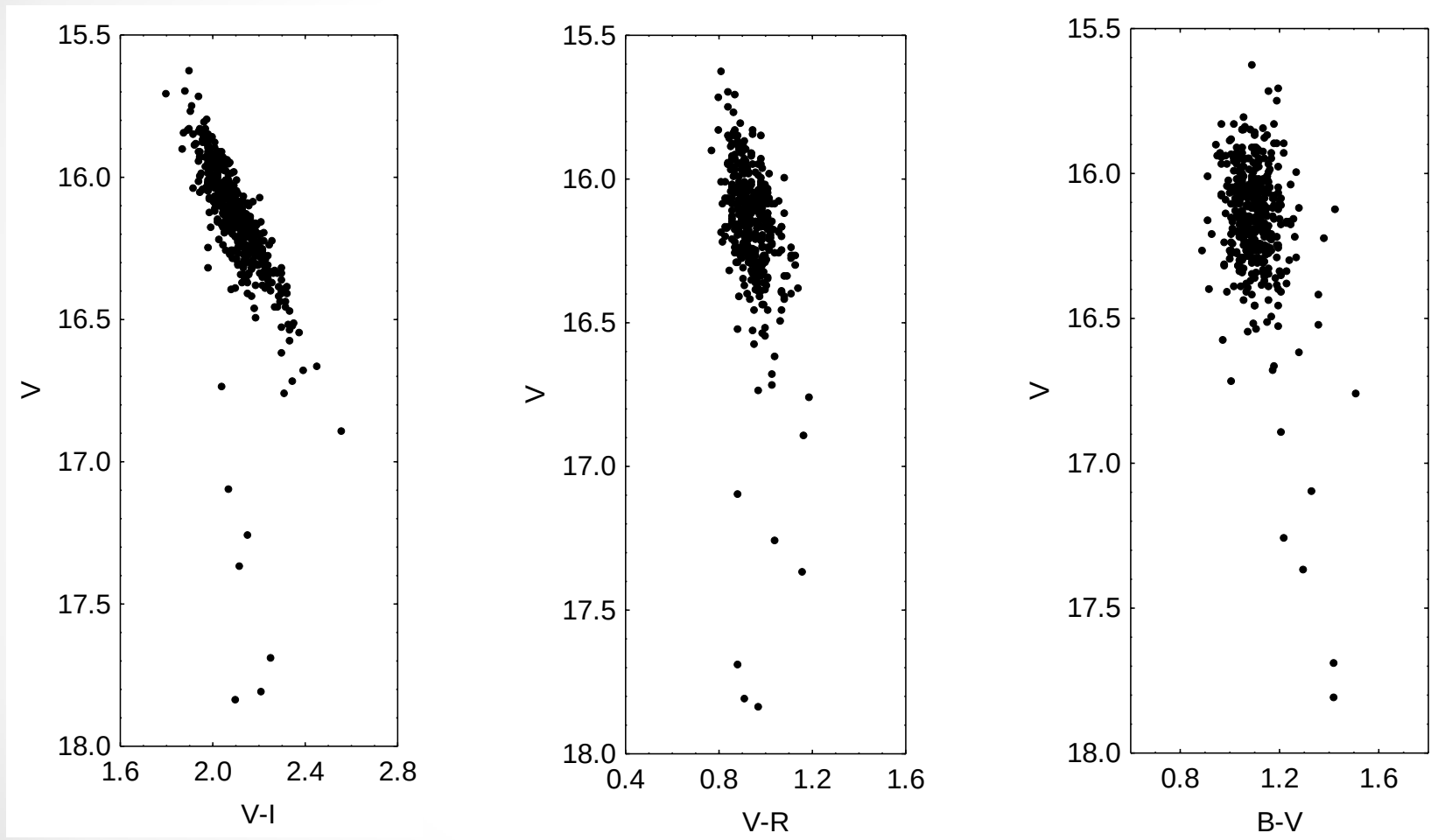


V350 Cep



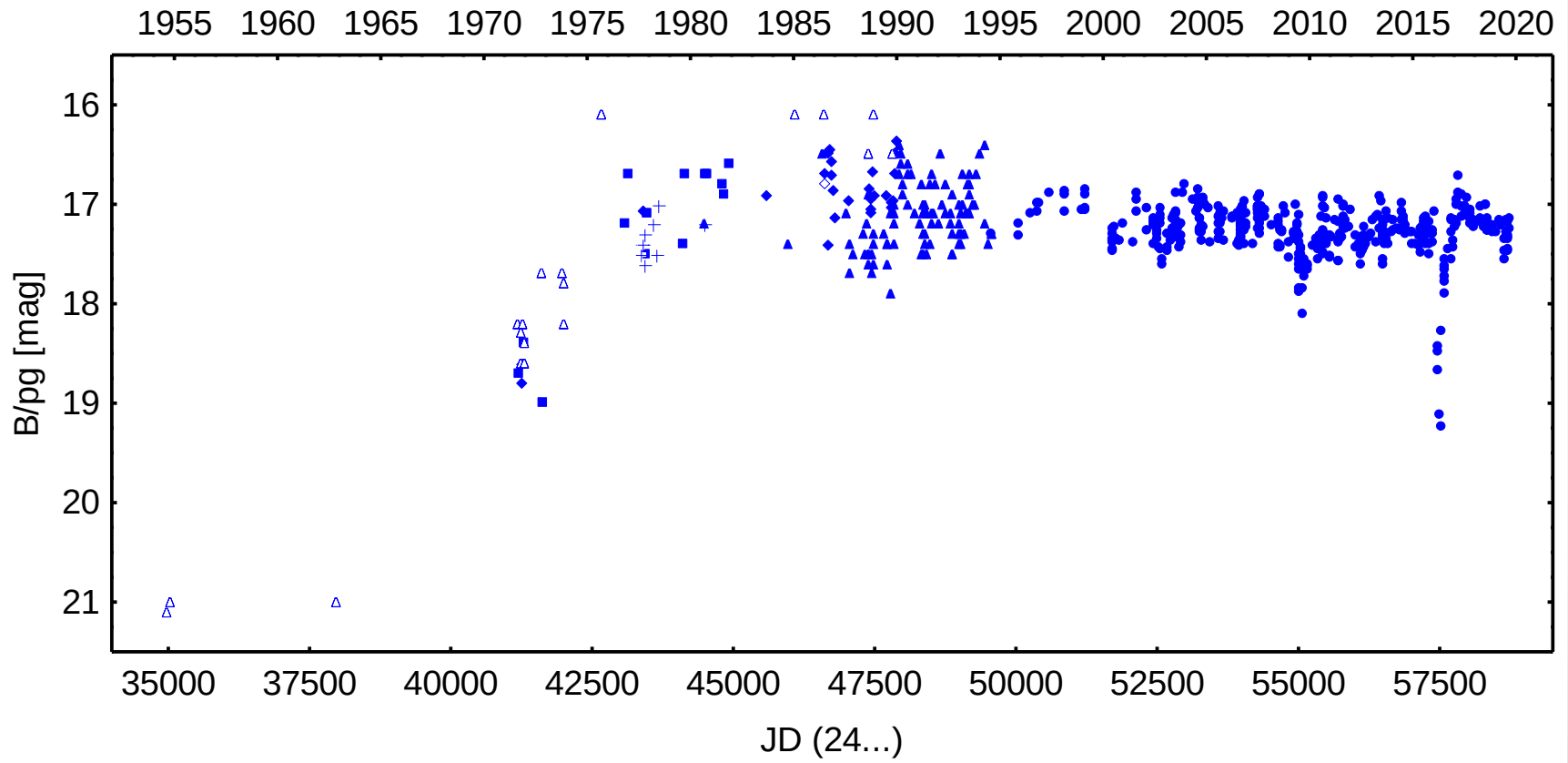
UBVRI- -light curves of V350 Cep in the period August 2015 - November 2016

V350 Cep

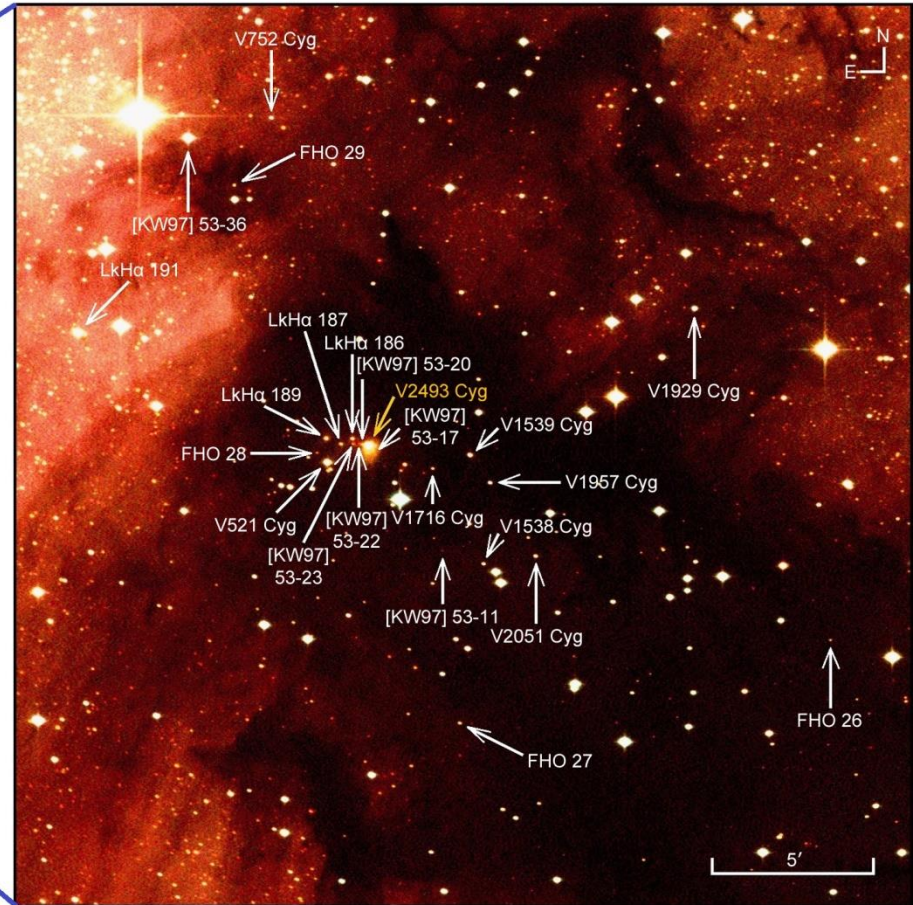
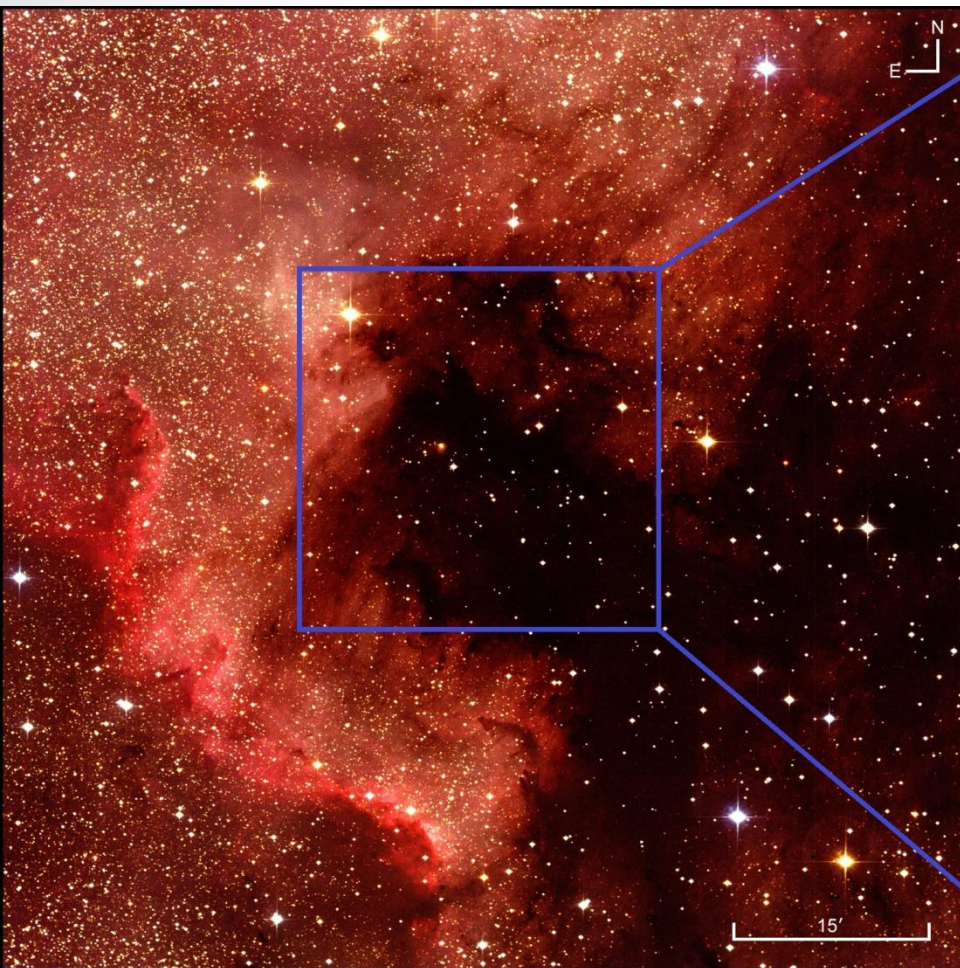


• Color indices V-I, V-R, and B-V versus the stellar V magnitude of V350 Cep.

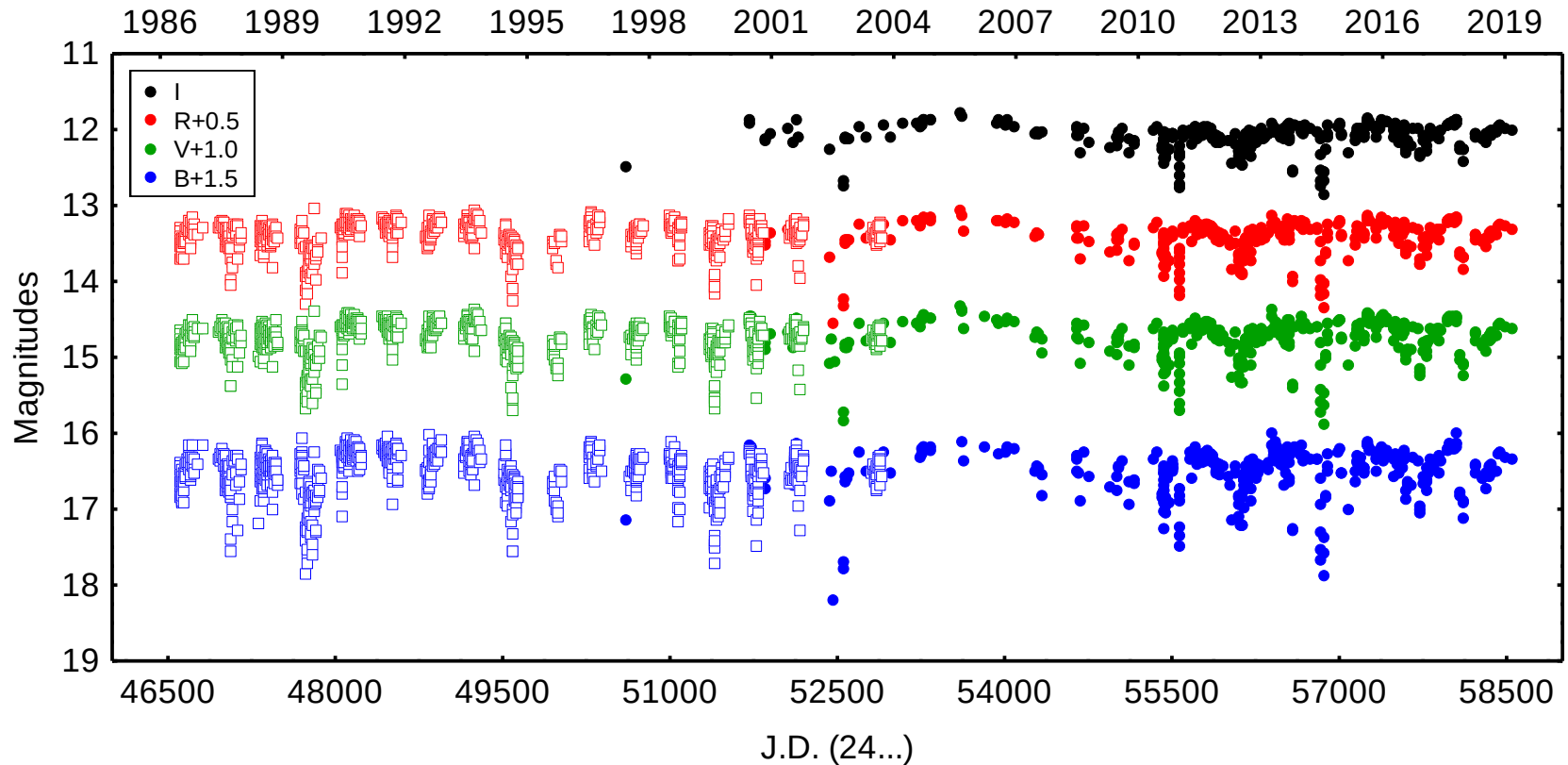
Long term B-light curve of V350 Cep



Star forming region Northern America/Pelican nebulae



V521 Cyg (LkH α 188)



V521 Cyg was discovered and the star was classified as a RW Aurigae type by Hoffmeister 1949. Herbig & Bell 1988 classified it as T Tauri star with spectral type G8. Grankin et al. 2007 conduct the long-term photometric monitoring providing light curves of V521 Cyg from 1986 to 2003.

Thanks for your attention!