BeSS report – April 2019

Data compiled by Valérie Desnoux – H-alpha monitoring

- 59 stars were observed
- 16 Observers contributed this month
- 147 Spectra

Observers…

Observateur	Nb spec
Stiewing	33
Bryssinck	21
Charbonnel	20
HOUPERT	14
Guarro Fló	10
Graham	10
Bohlsen	9
de Bruin	7
Desnoux	6
Buil Desnoux	4
Heathcote	4
VERILHAC Cochard GARDE	3
GARDE	3
Martineau	1
Iadevaia	1
KREIDER	1
Total général	**147**

Events of the month…

EE: Emission Event, ME: Moderate Events, DE: Decreasing Event

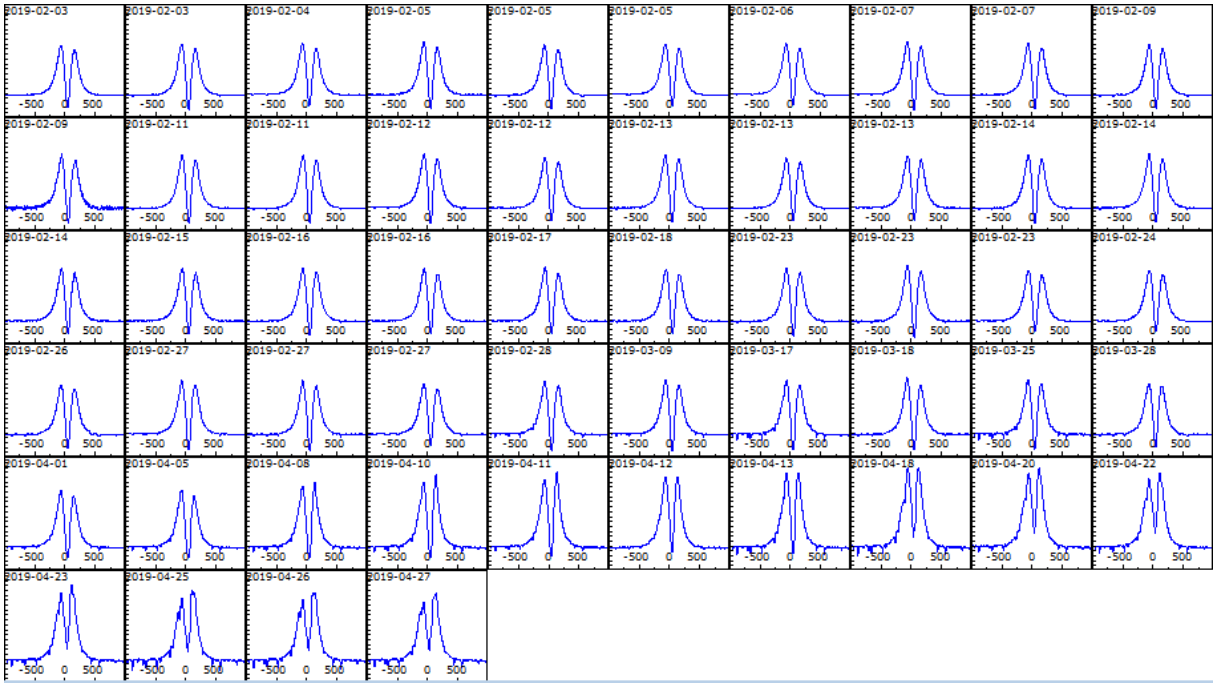
EE	ME	DE
PLEIONE	lam Cyg	QR Vul
FF Cam	CX Dra	OT Gem
V421 Cep	phi Per	11 Cam
HD 195554	ALFIRK	BN Gem
6 Cep	V558 Lyr	V743 Mon
V739 Mon	GP Vir	V767 Cen
	kap Dra	r Pup
	HD 76868	
	25 Cyg	
	BZ Cru	

Objects observed

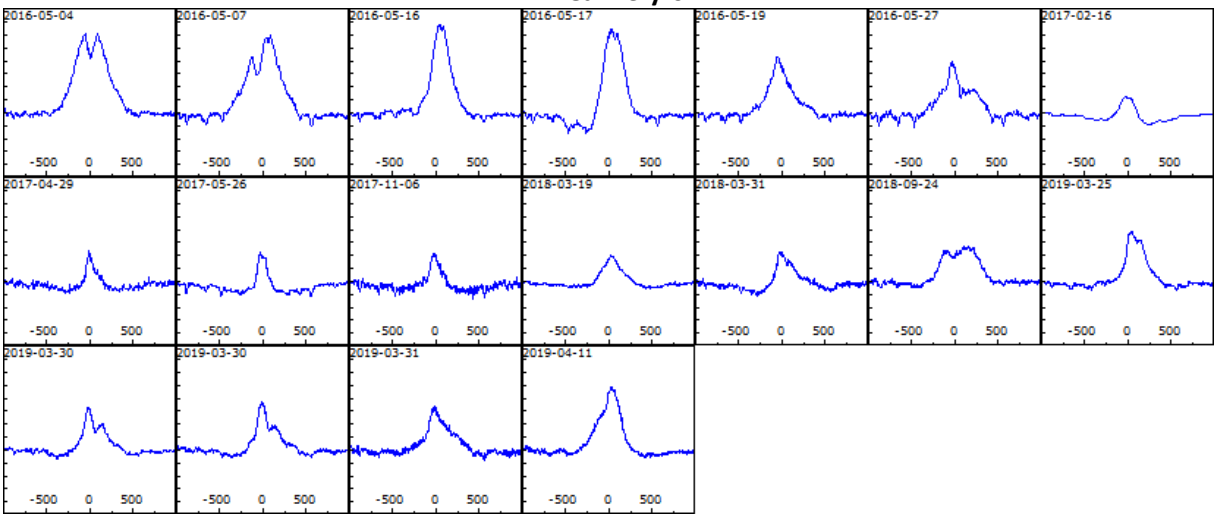
Classique						
lam Cyg	11 Cyg	PHECDA	V532 Lyr	HD 195554	HD 42529	del Sco
28 Cyg	V558 Lyr	GP Vir	4 Her	HD 24479	HD 112028	nu Gem
QR Vul	eps Cas	kap Dra	CW Cru	48 Per	V739 Mon	66 Oph
gam Cas	BK Cam	17 Sex	zet Oph	11 Cam	BZ Cru	V421 Cep
CX Dra	69 Ori	HD 70340	CQ UMa	AX Mon	V767 Cen	HD 71510
PLEIONE	OT Gem	phi Leo	V2315 Oph	6 Cep	r Pup	
phi Per	5 Cnc	HD 44783	z Her	29 Dor	HD 84511	
ALFIRK	FF Cam	HD 76868	V2385 Oph	BN Gem	HD 84523	
zet Tau	tet CrB	HD 45995	25 Cyg	V743 Mon	IU Vel	

Emission increase since last observations

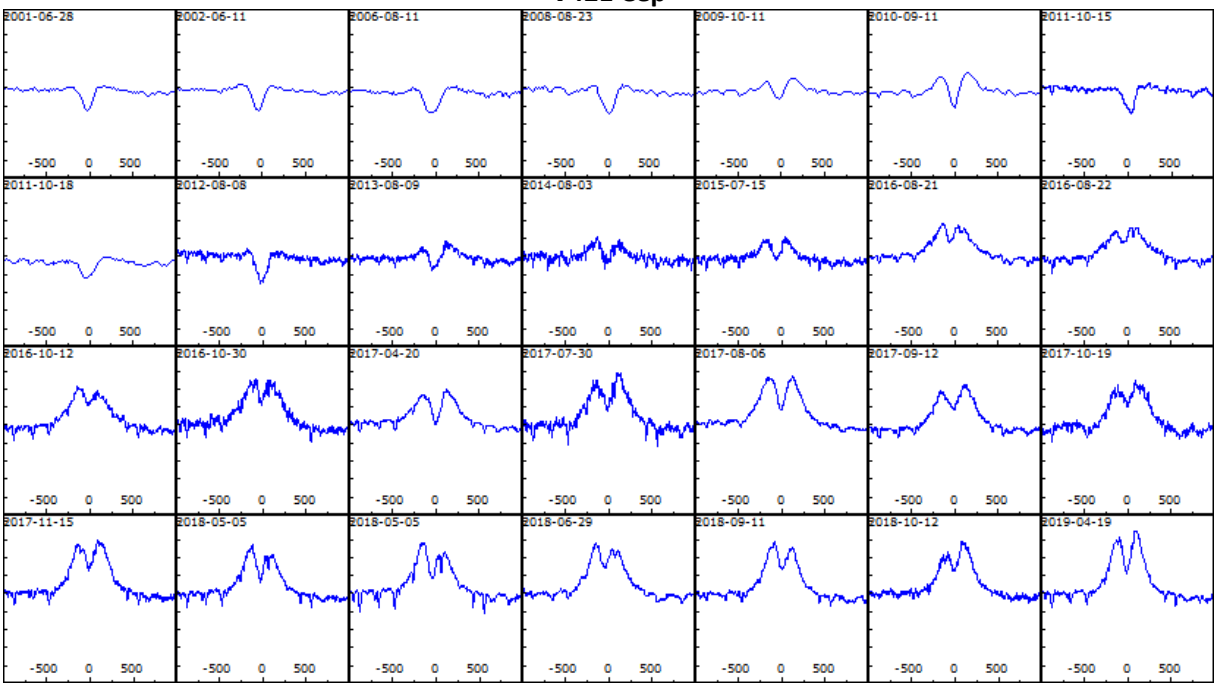
PLEIONE 3 months



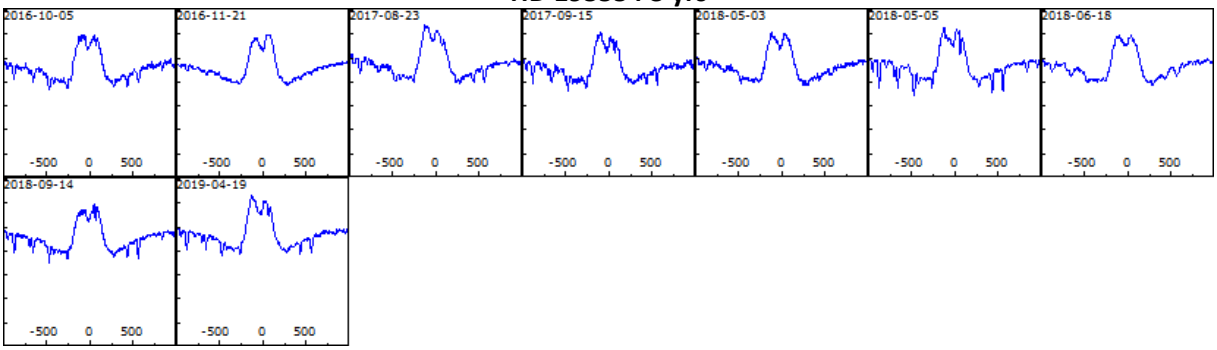
FF Cam 3 yrs



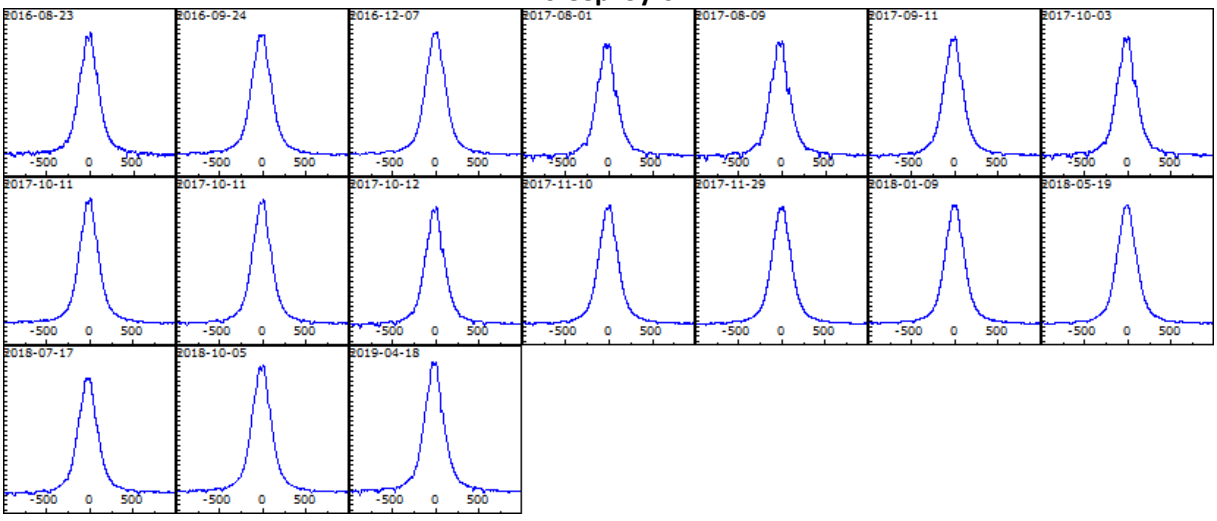
V421 Cep



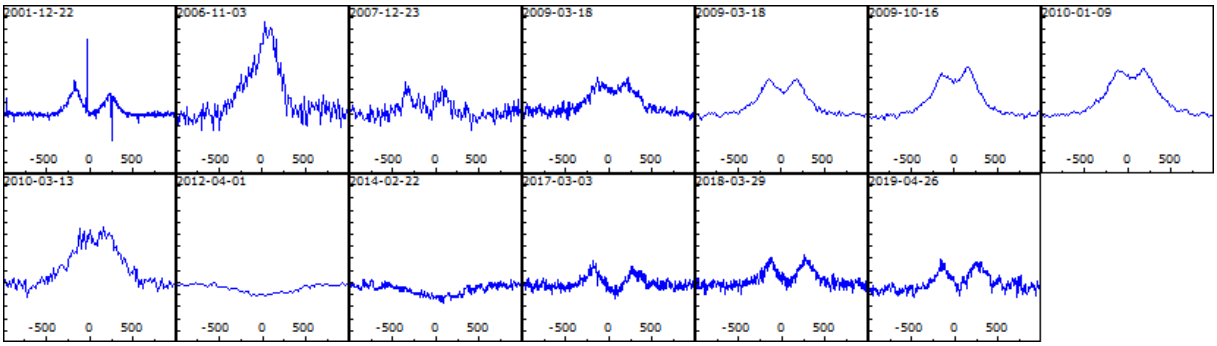
HD 195554 3 yrs



6 Cep 3yrs

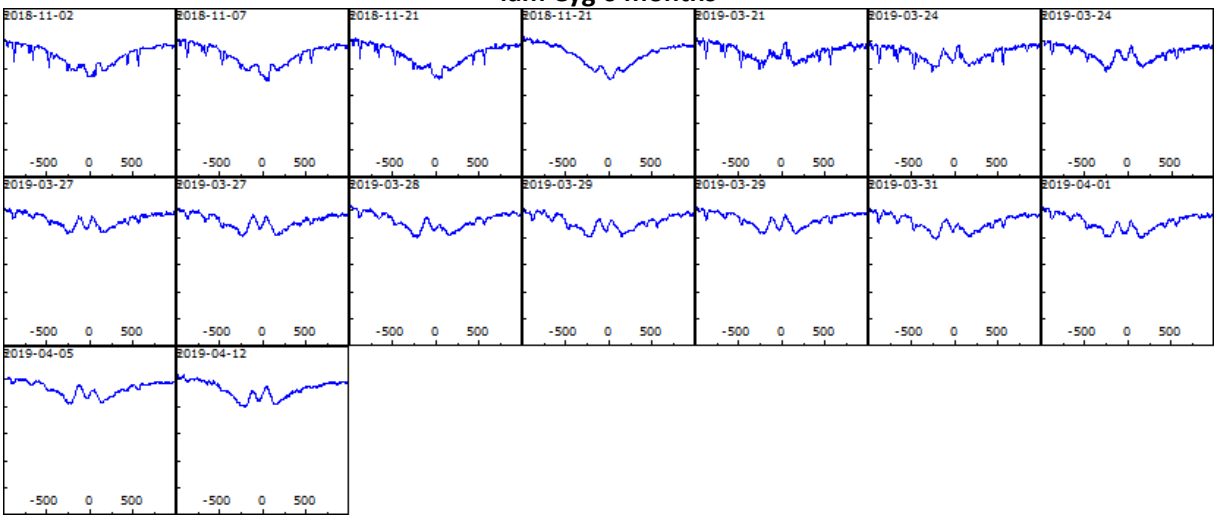


V739 Mon

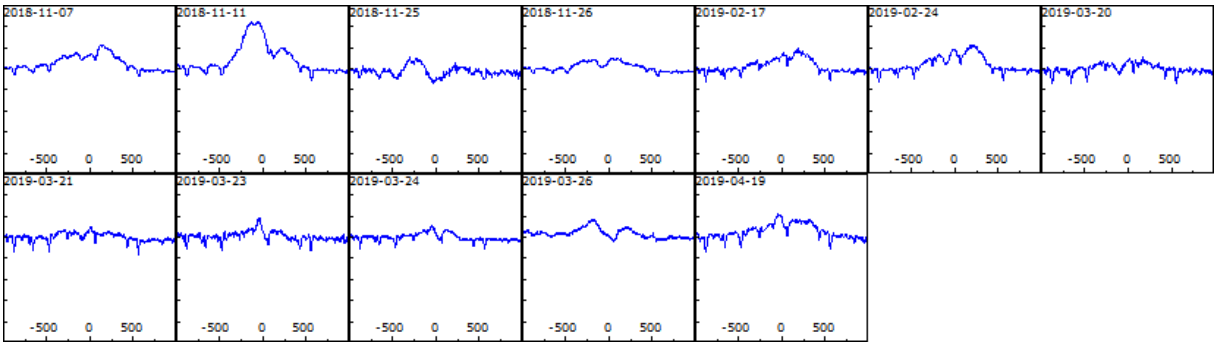


Moderate evolutions of H-alpha line

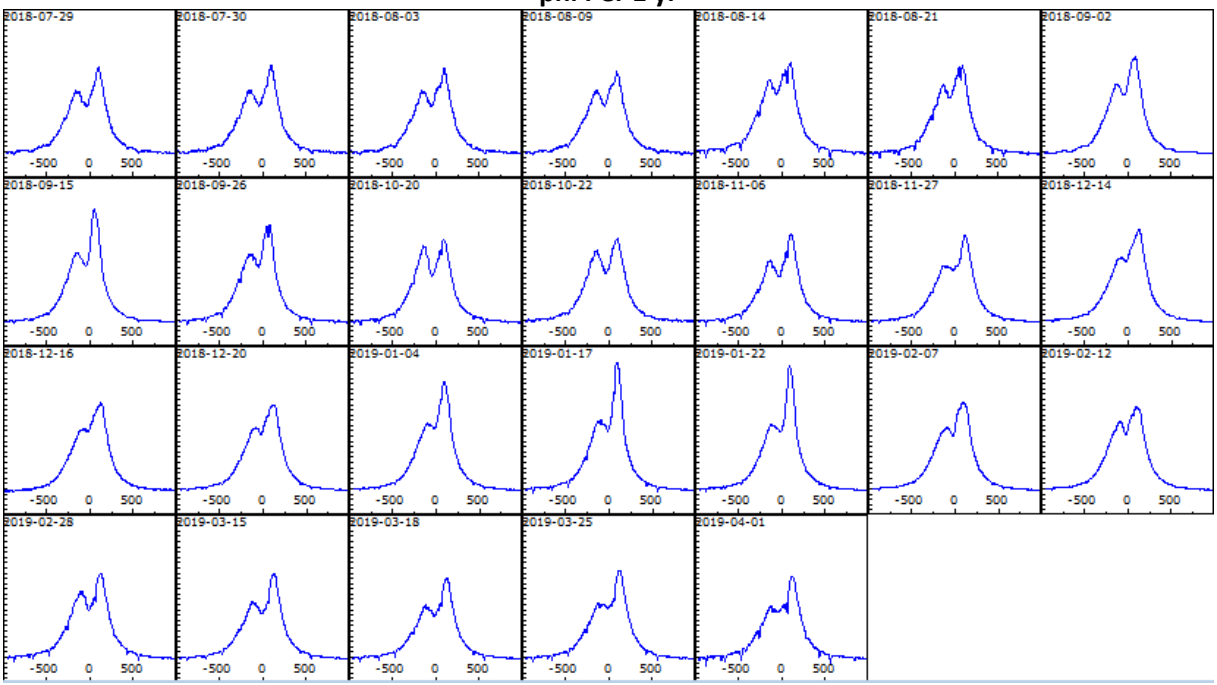
Iam Cyg 6 months



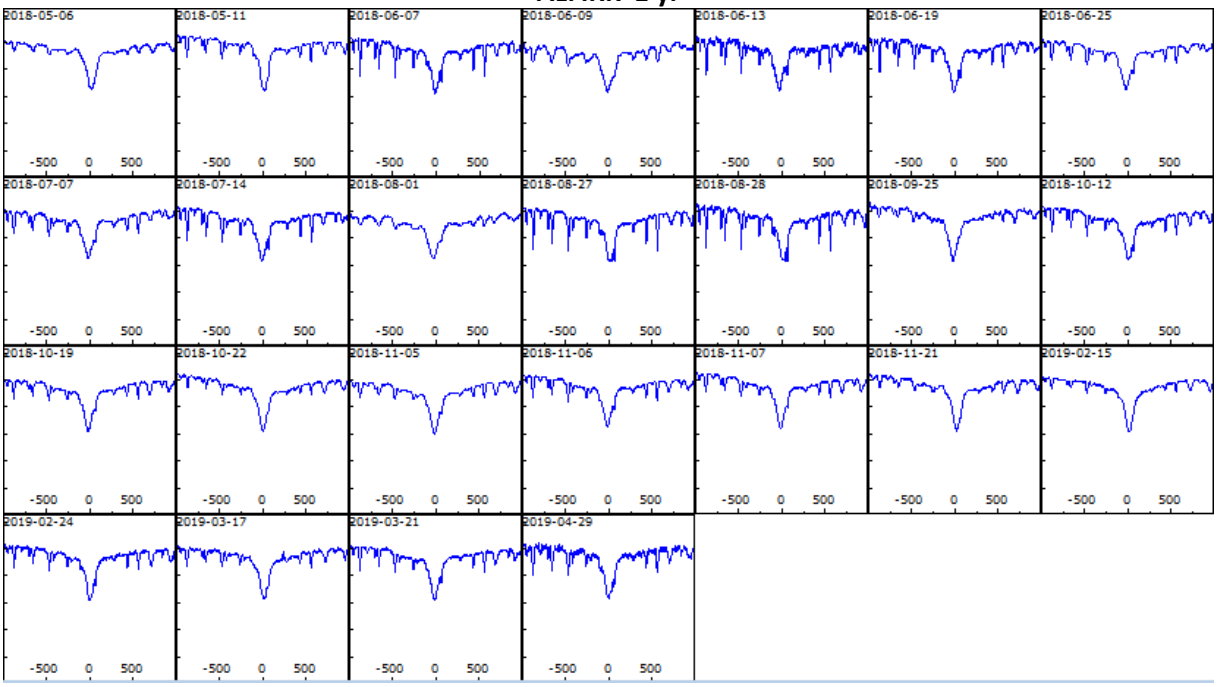
CX Dra 6 months



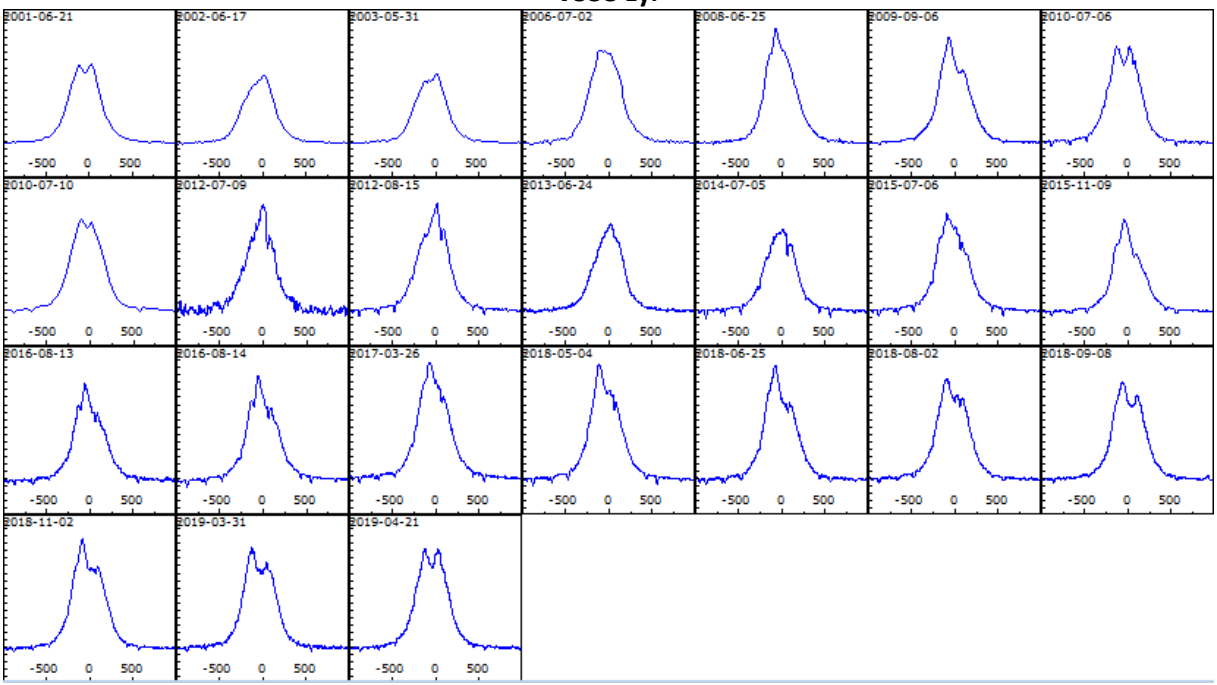
phi Per 1 yr



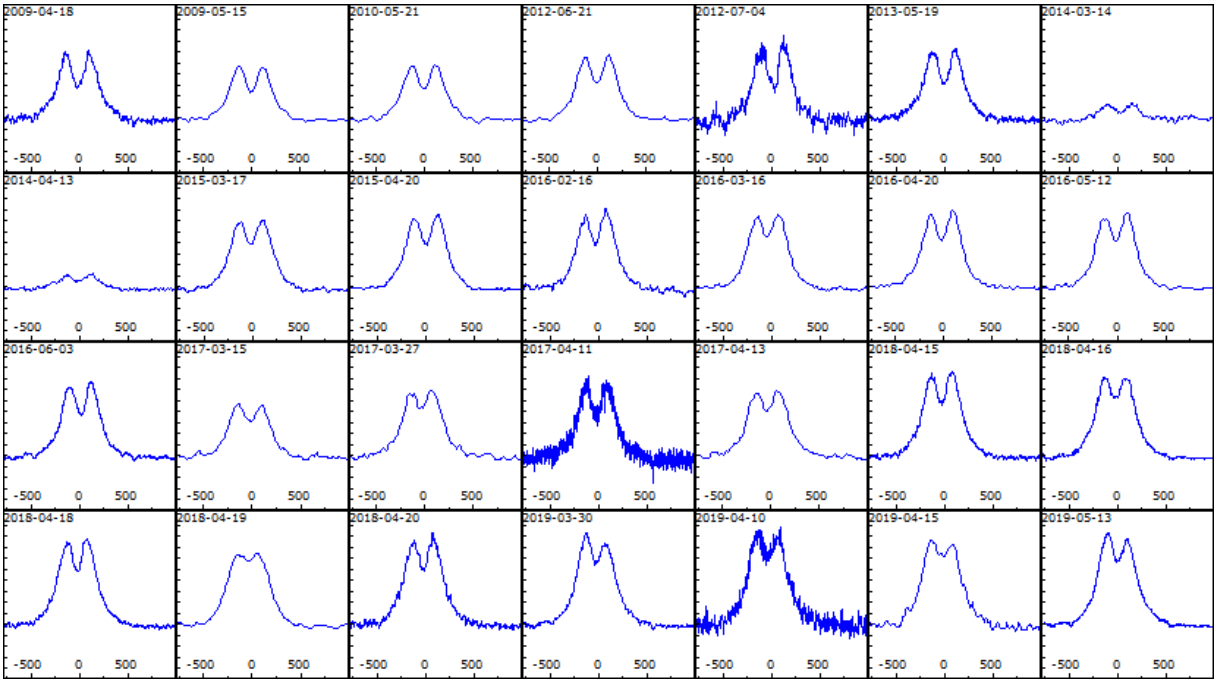
ALFIRK 1 yr



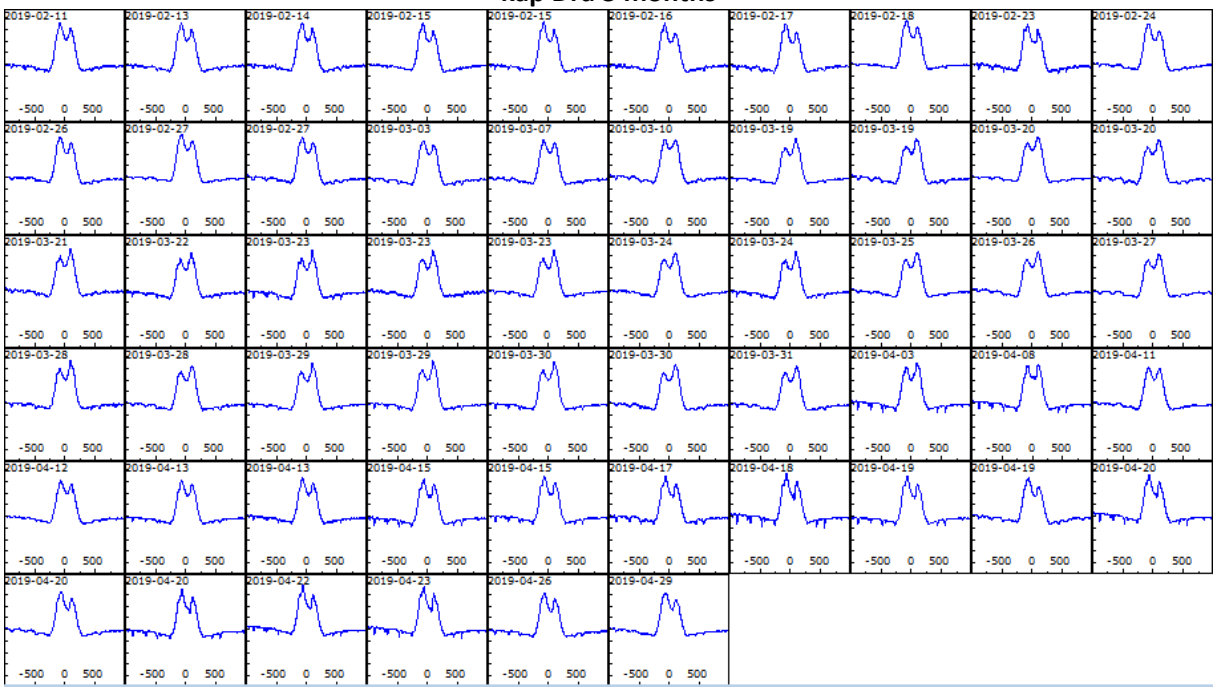
V558 Lyr



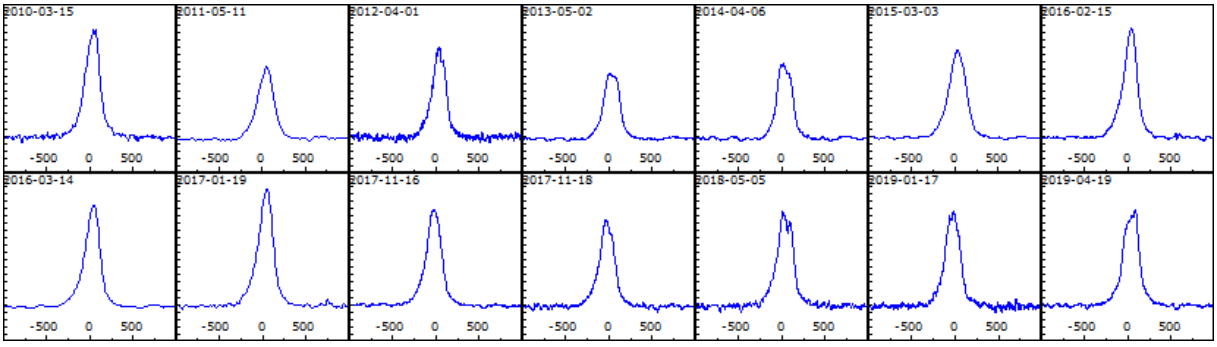
GP Vir



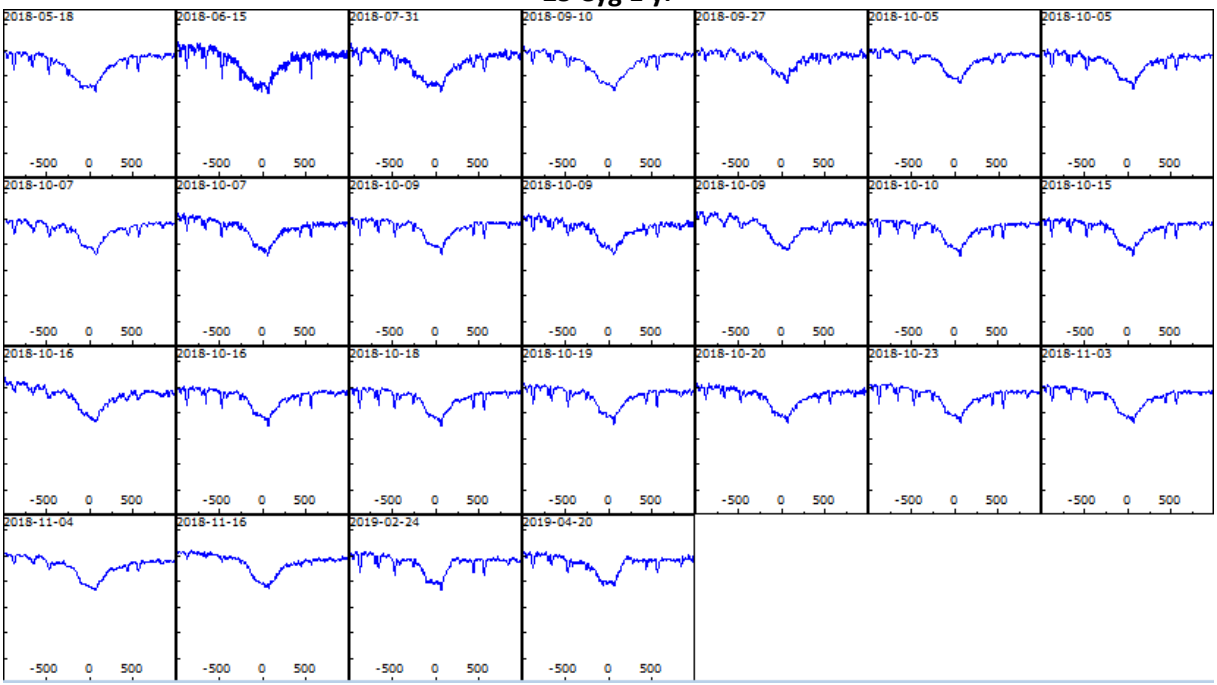
kap Dra 3 months



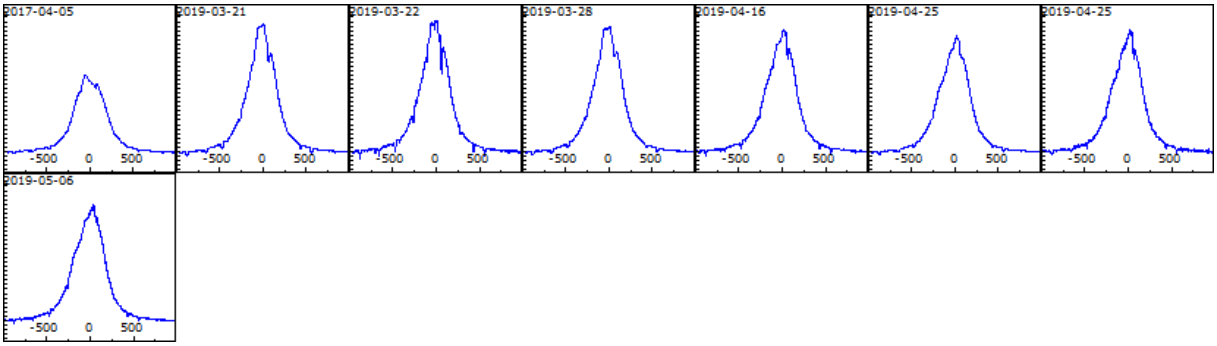
HD 76868



25 Cyg 1 yr

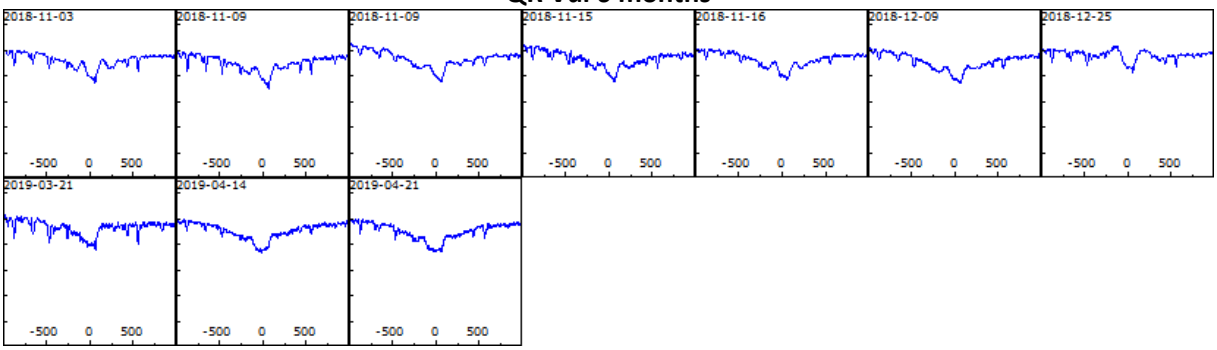


BZ Cru

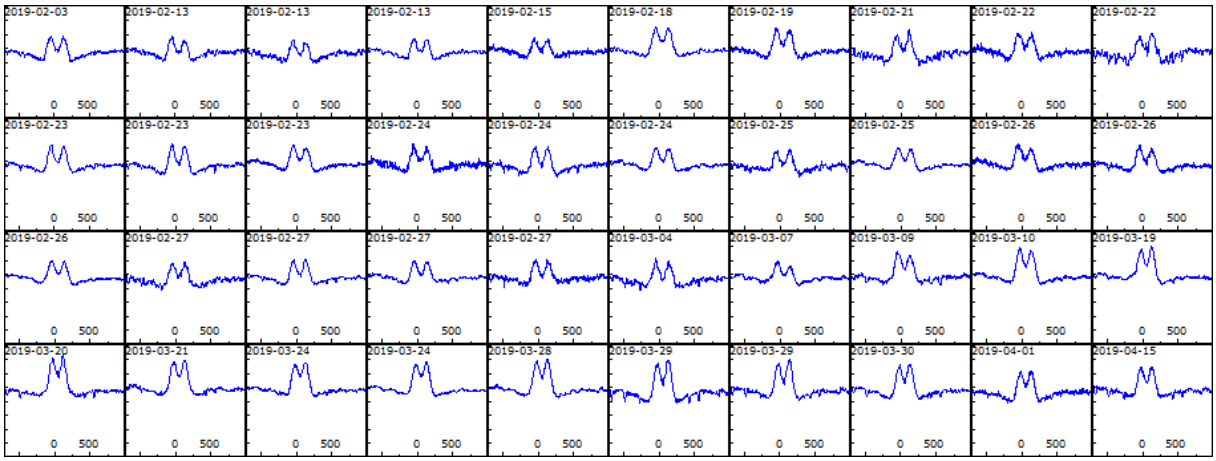


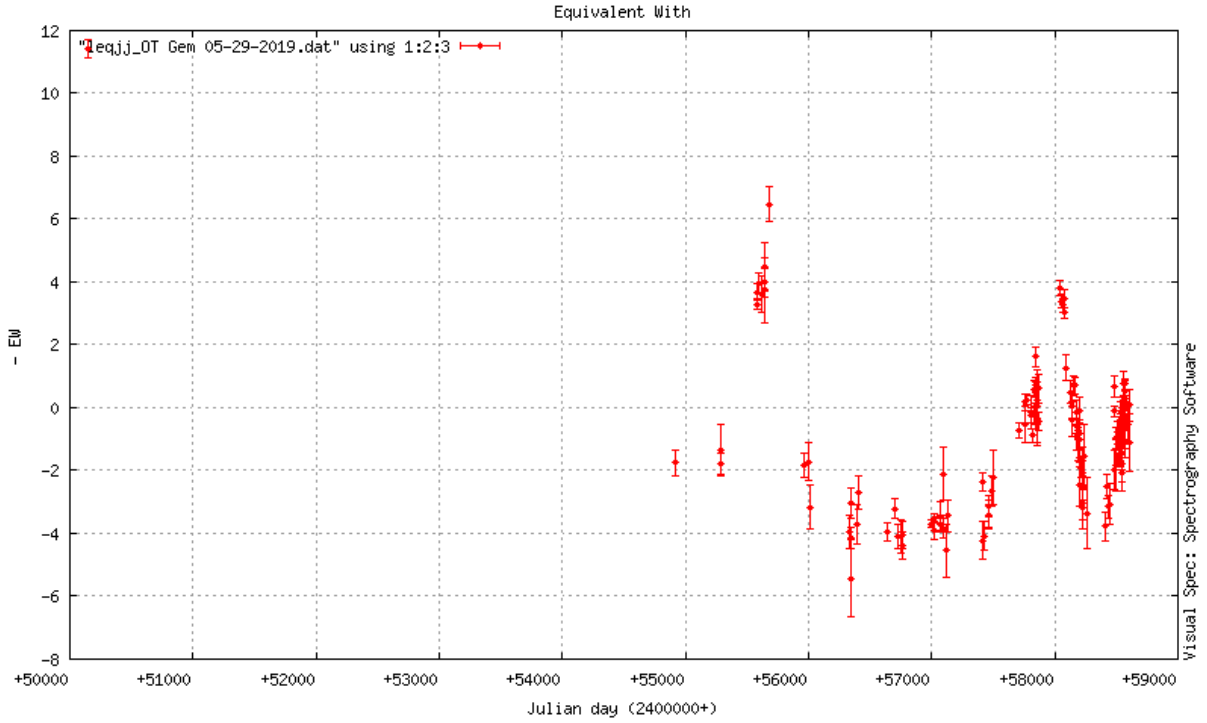
Emission decrease of H-alpha line

QR Vul 6 months

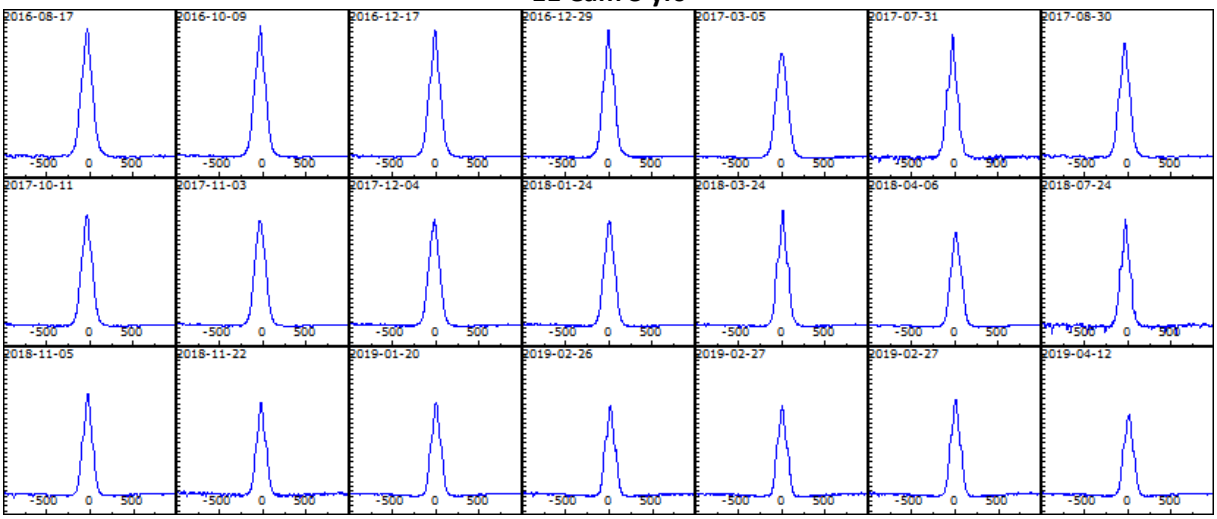


OT Gem 3 months

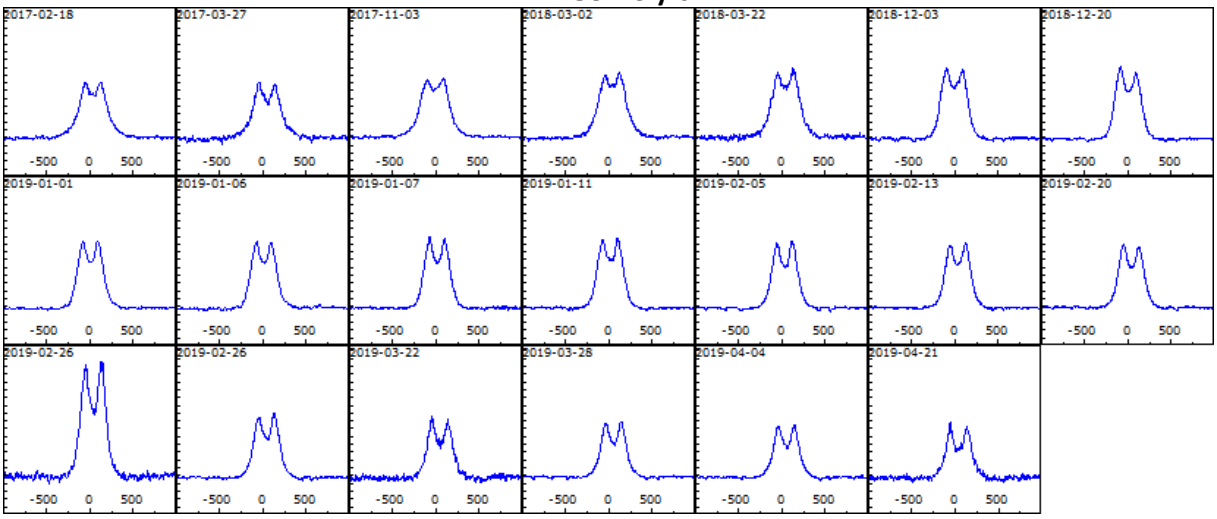




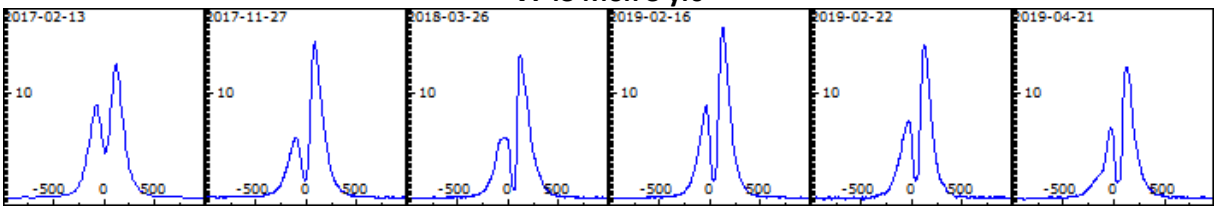
11 Cam 3 yrs



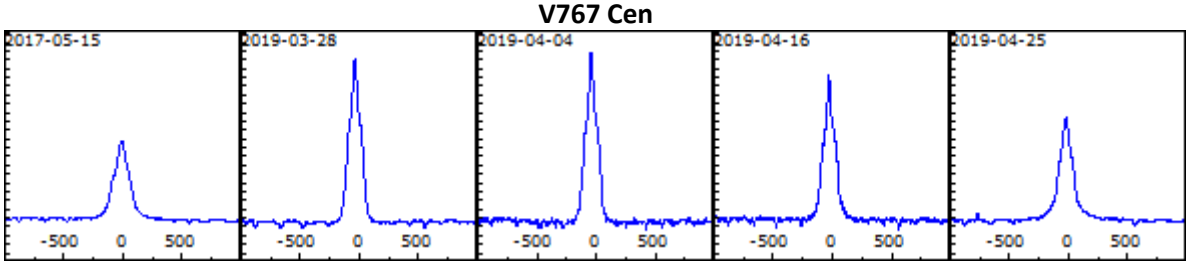
BN Gem 3 yrs



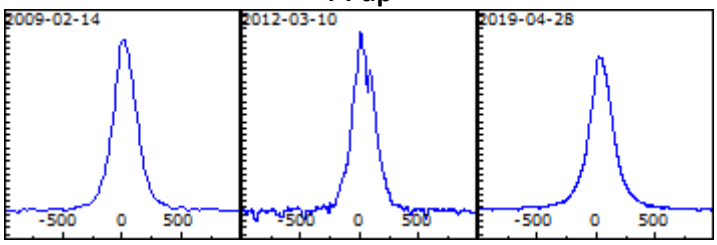
V743 Mon 3 yrs



V767 Cen



r Pup



BeSS report Materiel & Method

For each star having a spectrum loaded in BeSS database for the monthly report the last six spectra in BeSS are displayed. A visual check is performed to detect any change in the H-alpha profile. Sometimes a copy/paste is needed for subtle evolutions.
For each star, which exhibits a change, the above series are generated with the following steps. Each spectrum is zoomed on the H-alpha line. Each profile is scaled on the continuum on a region around 6580 angströms. The x-axis is converted into Doppler velocity centered on H-alpha.
If too many spectra of the object are available, a shorter period of observation is displayed and thus the length period is indicated (1yr, 3yrs).
All data are processed with Visual Spec with dedicated function to automatically load BeSS spectra and automatize most of the above processing.

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Aras Site at http://www.astrosurf.com/aras/
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